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Cover Page

Order ID : Q3434

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number	Client Sample Number
Q3434-01	PR132-WC1-20251022
Q3434-02	PR132-WC2-20251022
Q3434-03	TB

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

Signature : _____

Date: 11/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

AECOM
Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Project # N/A
Order ID # Q3434
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 10/22/2025.
2 Water samples were received on 10/22/2025.

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_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.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 except for PR132-WC2-20251022 [1,2-Dichloroethane-d4 - 126%] and PR132-WC2-20251022RE [1,2-Dichloroethane-d4 - 131%] sample was reanalyzed to confirm the failure and reported.

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 %RSD is greater than 20% in the Initial Calibration method (82V100725W.M) for Chloroethane, Acetone, Methylene Chloride, passing on Linear Regression.

The Continuous Calibration File ID VV039306.D met the requirements except for Dichlorodifluoromethane is failing marginally low while Methylene Chloride failing high but no hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

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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 soil samples results are based on a dry weight basis.

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_____

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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: Q3434 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 %RSD is greater than 20% in the Initial Calibration method (82V100725W.M) for Chloroethane, Acetone, Methylene Chloride, passing on Linear Regression. The Continuous Calibration File ID VV039306.D met the requirements except for Dichlorodifluoromethane is failing marginally low while Methylene Chloride failing high but no 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. The Surrogate recoveries were met for all analysis except for PR132-WC2-20251022 [1,2-Dichloroethane-d4 - 126%] and PR132-WC2-20251022RE [1,2-Dichloroethane-d4 - 131%] sample was reanalyzed to confirm the failure and reported.		✓	
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:

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

NA NO YES

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

The soil samples results are based on a dry weight basis.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q3434**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **11/05/2025**

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LAB CHRONICLE

OrderID:	Q3434	**OrderDate:**	10/22/2025 1:40:00 PM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3434-01	**PR132-WC1-20251022**	**SOIL**			**10/22/25**			**10/22/25**
			VOC-TCLVOA-10	8260D			10/24/25	
Q3434-02	**PR132-WC2-20251022**	**Water**			**10/22/25**			**10/22/25**
			VOC-TCLVOA-10	8260D			11/04/25	
Q3434-02RE	**PR132-WC2-20251022RE**	**Water**			**10/22/25**			**10/22/25**
			VOC-TCLVOA-10	8260D			11/04/25	
Q3434-03	**TB**	**Water**			**10/22/25**			**10/22/25**
			VOC-TCLVOA-10	8260D			11/04/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3434

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PR132-WC1-20251022**								
Q3434-01	PR132-WC1-20251	SOIL	Acetone		27.9	J	6.60	35.0	ug/Kg
Q3434-01	PR132-WC1-20251	SOIL	Carbon Disulfide		12.6	J	1.50	7.00	ug/Kg
			Total Voc :		40.5				
Q3434-01	PR132-WC1-20251	SOIL	3-Heptene, 2,2,4,6,6-pentameth	*	10.3	J	0	0	ug/Kg
Q3434-01	PR132-WC1-20251	SOIL	Heptane, 2,2,6,6-tetramethyl-4-	*	10.2	J	0	0	ug/Kg
Q3434-01	PR132-WC1-20251	SOIL	Tert butyl alcohol	*	38.2	J	19.2	35.0	ug/Kg
			Total Tics :		58.7				
			Total Concentration:		99.2				
Client ID:	**PR132-WC2-20251022**								
Q3434-02	PR132-WC2-20251	Water	Acetone		7.80	J	1.50	25.0	ug/L
Q3434-02	PR132-WC2-20251	Water	Carbon Disulfide		0.31	J	0.21	5.00	ug/L
Q3434-02	PR132-WC2-20251	Water	2-Butanone		3.90	J	0.98	25.0	ug/L
			Total Voc :		12.0				
			Total Concentration:		12.0				
Client ID:	**PR132-WC2-20251022RE**								
Q3434-02RE	PR132-WC2-20251	Water	Acetone		9.10	J	1.50	25.0	ug/L
Q3434-02RE	PR132-WC2-20251	Water	Carbon Disulfide		0.35	J	0.21	5.00	ug/L
Q3434-02RE	PR132-WC2-20251	Water	2-Butanone		4.20	J	0.98	25.0	ug/L
			Total Voc :		13.7				
			Total Concentration:		13.7				

QC
SUMMARY

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Surrogate Summary

SDG No.: Q3434

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3434-01	PR132-WC1-20251022	1,2-Dichloroethane-d4	50	53.2	106		63	155
		Dibromofluoromethane	50	51.4	103		70	134
		Toluene-d8	50	49.3	99		74	123
		4-Bromofluorobenzene	50	46.7	93		17	146
Q3434-02	PR132-WC2-20251022	1,2-Dichloroethane-d4	50	63.1	126	*	74	125
		Dibromofluoromethane	50	55.5	111		75	124
		Toluene-d8	50	51.6	103		86	113
		4-Bromofluorobenzene	50	55.4	111		77	121
Q3434-02RE	PR132-WC2-20251022RE	1,2-Dichloroethane-d4	50	65.5	131	*	74	125
		Dibromofluoromethane	50	57.7	115		75	124
		Toluene-d8	50	53.8	108		86	113
		4-Bromofluorobenzene	50	58.3	117		77	121
Q3434-03	TB	1,2-Dichloroethane-d4	50	62.2	124		74	125
		Dibromofluoromethane	50	52.9	106		75	124
		Toluene-d8	50	48.9	98		86	113
		4-Bromofluorobenzene	50	51.6	103		77	121
VY1024SBL01	VY1024SBL01	1,2-Dichloroethane-d4	50	44.4	89		63	155
		Dibromofluoromethane	50	48.7	97		70	134
		Toluene-d8	50	47.8	95		74	123
		4-Bromofluorobenzene	50	40.6	81		17	146
VY1024SBS01	VY1024SBS01	1,2-Dichloroethane-d4	50	44.2	88		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	48.4	97		74	123
		4-Bromofluorobenzene	50	49.3	99		17	146
VY1024SBSD01	VY1024SBSD01	1,2-Dichloroethane-d4	50	44.4	89		63	155
		Dibromofluoromethane	50	49.4	99		70	134
		Toluene-d8	50	47.6	95		74	123
		4-Bromofluorobenzene	50	47.8	96		17	146

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Surrogate Summary

SDG No.: Q3434

Client: AECOM

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VV1104WBL01	VV1104WBL01	1,2-Dichloroethane-d4	50	58.0	116		74	125
		Dibromofluoromethane	50	50.3	101		75	124
		Toluene-d8	50	48.6	97		86	113
		4-Bromofluorobenzene	50	51.8	104		77	121
VV1104WBS01	VV1104WBS01	1,2-Dichloroethane-d4	50	49.1	98		74	125
		Dibromofluoromethane	50	50.1	100		75	124
		Toluene-d8	50	52.5	105		86	113
		4-Bromofluorobenzene	50	53.7	107		77	121
VV1104WBSD0	VV1104WBSD01	1,2-Dichloroethane-d4	50	50.3	100		74	125
		Dibromofluoromethane	50	50.2	100		75	124
		Toluene-d8	50	52.5	105		86	113
		4-Bromofluorobenzene	50	53.5	107		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VV039309.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV1104WBS01	Dichlorodifluoromethane	20	16.2	ug/L	81			69	116	
	Chloromethane	20	17.6	ug/L	88			65	116	
	Vinyl chloride	20	16.8	ug/L	84			65	117	
	Bromomethane	20	18.8	ug/L	94			58	125	
	Chloroethane	20	19.0	ug/L	95			56	128	
	Trichlorofluoromethane	20	17.4	ug/L	87			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			80	112	
	1,1-Dichloroethene	20	16.8	ug/L	84			74	110	
	Acetone	100	78.3	ug/L	78			60	125	
	Carbon disulfide	20	17.3	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	17.5	ug/L	88			78	114	
	Methyl Acetate	20	14.2	ug/L	71			67	125	
	Methylene Chloride	20	19.1	ug/L	96			72	114	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			75	108	
	1,1-Dichloroethane	20	17.4	ug/L	87			78	112	
	Cyclohexane	20	18.3	ug/L	92			75	110	
	2-Butanone	100	76.2	ug/L	76			65	122	
	Carbon Tetrachloride	20	18.3	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	18.1	ug/L	91			77	110	
	Bromochloromethane	20	17.4	ug/L	87			70	124	
	Chloroform	20	17.5	ug/L	88			79	113	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			80	108	
	Methylcyclohexane	20	17.7	ug/L	89			72	115	
	Benzene	20	18.8	ug/L	94			82	109	
	1,2-Dichloroethane	20	18.0	ug/L	90			80	115	
	Trichloroethene	20	18.6	ug/L	93			77	113	
	1,2-Dichloropropane	20	19.5	ug/L	98			83	111	
	Bromodichloromethane	20	18.3	ug/L	92			83	110	
	4-Methyl-2-Pentanone	100	86.1	ug/L	86			74	118	
	Toluene	20	19.7	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			79	110	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			82	110	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			83	112	
	2-Hexanone	100	83.8	ug/L	84			73	117	
	Dibromochloromethane	20	18.3	ug/L	92			82	110	
	1,2-Dibromoethane	20	18.5	ug/L	93			81	110	
	Tetrachloroethene	20	18.6	ug/L	93			67	123	
	Chlorobenzene	20	18.3	ug/L	92			82	109	
	Ethyl Benzene	20	18.7	ug/L	94			83	109	
	m/p-Xylenes	40	39.6	ug/L	99			82	110	
	o-Xylene	20	18.7	ug/L	94			83	109	
	Styrene	20	19.8	ug/L	99			80	111	
	Bromoform	20	17.9	ug/L	90			79	109	
	Isopropylbenzene	20	19.2	ug/L	96			83	112	
	1,1,2,2-Tetrachloroethane	20	16.2	ug/L	81			76	118	
	1,3-Dichlorobenzene	20	18.7	ug/L	94			82	108	
	1,4-Dichlorobenzene	20	17.9	ug/L	90			82	107	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3434**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM**	**Datafile :**	VV039309.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV1104WBS01	1,2-Dibromo-3-Chloropropane	20	14.9	ug/L	75			68	112	
	1,2,4-Trichlorobenzene	20	17.9	ug/L	90			75	113	
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VV039310.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV1104WBSD01	Dichlorodifluoromethane	20	15.9	ug/L	79	3		69	116	19
	Chloromethane	20	17.6	ug/L	88	0		65	116	21
	Vinyl chloride	20	16.7	ug/L	84	0		65	117	19
	Bromomethane	20	19.0	ug/L	95	1		58	125	20
	Chloroethane	20	18.6	ug/L	93	2		56	128	20
	Trichlorofluoromethane	20	17.3	ug/L	86	1		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	2		80	112	15
	1,1-Dichloroethene	20	16.5	ug/L	83	1		74	110	20
	Acetone	100	89.0	ug/L	89	13		60	125	20
	Carbon disulfide	20	17.0	ug/L	85	1		64	112	20
	Methyl tert-butyl Ether	20	18.3	ug/L	92	4		78	114	20
	Methyl Acetate	20	15.7	ug/L	79	11		67	125	20
	Methylene Chloride	20	19.5	ug/L	98	2		72	114	20
	trans-1,2-Dichloroethene	20	17.0	ug/L	85	2		75	108	16
	1,1-Dichloroethane	20	17.3	ug/L	86	1		78	112	20
	Cyclohexane	20	18.1	ug/L	91	1		75	110	20
	2-Butanone	100	85.1	ug/L	85	11		65	122	26
	Carbon Tetrachloride	20	18.5	ug/L	93	1		77	113	15
	cis-1,2-Dichloroethene	20	19.0	ug/L	95	4		77	110	20
	Bromochloromethane	20	17.6	ug/L	88	1		70	124	20
	Chloroform	20	17.7	ug/L	89	1		79	113	20
	1,1,1-Trichloroethane	20	17.9	ug/L	90	1		80	108	20
	Methylcyclohexane	20	17.9	ug/L	90	1		72	115	20
	Benzene	20	18.8	ug/L	94	0		82	109	15
	1,2-Dichloroethane	20	18.2	ug/L	91	1		80	115	20
	Trichloroethene	20	19.0	ug/L	95	2		77	113	15
	1,2-Dichloropropane	20	18.5	ug/L	93	5		83	111	16
	Bromodichloromethane	20	18.5	ug/L	93	1		83	110	16
	4-Methyl-2-Pentanone	100	93.4	ug/L	93	8		74	118	25
	Toluene	20	20.0	ug/L	100	1		82	110	16
	t-1,3-Dichloropropene	20	19.3	ug/L	97	3		79	110	20
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	1		82	110	16
	1,1,2-Trichloroethane	20	18.8	ug/L	94	4		83	112	20
	2-Hexanone	100	91.1	ug/L	91	8		73	117	25
	Dibromochloromethane	20	18.7	ug/L	94	2		82	110	20
	1,2-Dibromoethane	20	18.9	ug/L	95	2		81	110	20
	Tetrachloroethene	20	19.0	ug/L	95	2		67	123	15
	Chlorobenzene	20	18.7	ug/L	94	2		82	109	15
	Ethyl Benzene	20	19.0	ug/L	95	1		83	109	16
	m/p-Xylenes	40	40.2	ug/L	101	2		82	110	15
	o-Xylene	20	19.3	ug/L	97	3		83	109	20
	Styrene	20	20.2	ug/L	101	2		80	111	17
	Bromoform	20	18.8	ug/L	94	4		79	109	20
	Isopropylbenzene	20	19.3	ug/L	97	1		83	112	29
	1,1,2,2-Tetrachloroethane	20	16.6	ug/L	83	2		76	118	20
	1,3-Dichlorobenzene	20	19.1	ug/L	96	2		82	108	20
	1,4-Dichlorobenzene	20	18.0	ug/L	90	0		82	107	15
	1,2-Dichlorobenzene	20	18.1	ug/L	91	0		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3434**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM**	**Datafile :**	VV039310.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV1104WBSD01	1,2-Dibromo-3-Chloropropane	20	15.9	ug/L	79	5		68	112	20
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91	1		75	113	29
	1,2,3-Trichlorobenzene	20	18.0	ug/L	90	5		76	114	29

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023561.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1024SBS01	Dichlorodifluoromethane	20	18.6	ug/Kg	93			64	136	
	Chloromethane	20	17.3	ug/Kg	86			52	151	
	Vinyl chloride	20	18.0	ug/Kg	90			56	148	
	Bromomethane	20	20.6	ug/Kg	103			58	141	
	Chloroethane	20	18.5	ug/Kg	93			69	130	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100			81	123	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	18.4	ug/Kg	92			59	130	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			77	129	
	Methyl Acetate	20	17.2	ug/Kg	86			69	149	
	Methylene Chloride	20	18.5	ug/Kg	93			72	131	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			82	123	
	Cyclohexane	20	18.3	ug/Kg	92			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			76	129	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			82	123	
	Bromochloromethane	20	18.9	ug/Kg	95			80	127	
	Chloroform	20	20.4	ug/Kg	102			82	125	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			80	126	
	Methylcyclohexane	20	20.0	ug/Kg	100			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	19.6	ug/Kg	98			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	96.4	ug/Kg	96			70	135	
	Toluene	20	21.3	ug/Kg	106			83	122	
	t-1,3-Dichloropropene	20	20.3	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	21.6	ug/Kg	108			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.3	ug/Kg	106			79	125	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			80	125	
	Tetrachloroethene	20	20.6	ug/Kg	103			83	125	
	Chlorobenzene	20	20.9	ug/Kg	104			84	122	
	Ethyl Benzene	20	20.5	ug/Kg	103			82	124	
	m/p-Xylenes	40	42.3	ug/Kg	106			83	124	
	o-Xylene	20	21.1	ug/Kg	106			83	123	
	Styrene	20	20.9	ug/Kg	104			82	124	
	Bromoform	20	20.9	ug/Kg	104			75	127	
	Isopropylbenzene	20	20.6	ug/Kg	103			82	124	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/Kg	102			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.4	ug/Kg	102			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023561.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1024SBS01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96			66	134	
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100			78	127	
	1,2,3-Trichlorobenzene	20	19.6	ug/Kg	98			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1024SBSD01	Dichlorodifluoromethane	20	19.0	ug/Kg	95	2		64	136	20
	Chloromethane	20	17.9	ug/Kg	90	5		52	151	20
	Vinyl chloride	20	18.8	ug/Kg	94	4		56	148	20
	Bromomethane	20	21.4	ug/Kg	107	4		58	141	20
	Chloroethane	20	19.6	ug/Kg	98	5		69	130	20
	Trichlorofluoromethane	20	20.3	ug/Kg	102	7		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106	6		81	123	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	5		79	121	20
	Acetone	100	130	ug/Kg	130	0		40	171	20
	Carbon disulfide	20	19.0	ug/Kg	95	3		59	130	20
	Methyl tert-butyl Ether	20	21.1	ug/Kg	106	6		77	129	20
	Methyl Acetate	20	17.5	ug/Kg	88	2		69	149	20
	Methylene Chloride	20	19.3	ug/Kg	97	4		72	131	20
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106	5		80	123	20
	1,1-Dichloroethane	20	20.6	ug/Kg	103	4		82	123	20
	Cyclohexane	20	19.2	ug/Kg	96	4		76	122	20
	2-Butanone	100	120	ug/Kg	120	9		69	131	20
	Carbon Tetrachloride	20	21.4	ug/Kg	107	4		76	129	20
	cis-1,2-Dichloroethene	20	21.7	ug/Kg	109	5		82	123	20
	Bromochloromethane	20	20.0	ug/Kg	100	5		80	127	20
	Chloroform	20	21.3	ug/Kg	106	4		82	125	20
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106	3		80	126	20
	Methylcyclohexane	20	20.7	ug/Kg	104	4		77	123	20
	Benzene	20	21.3	ug/Kg	106	2		84	121	20
	1,2-Dichloroethane	20	20.4	ug/Kg	102	4		81	126	20
	Trichloroethene	20	21.9	ug/Kg	110	3		83	122	20
	1,2-Dichloropropane	20	21.0	ug/Kg	105	3		83	122	20
	Bromodichloromethane	20	21.6	ug/Kg	108	4		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	4		70	135	20
	Toluene	20	21.9	ug/Kg	110	4		83	122	20
	t-1,3-Dichloropropene	20	21.3	ug/Kg	106	4		78	124	20
	cis-1,3-Dichloropropene	20	21.8	ug/Kg	109	6		81	122	20
	1,1,2-Trichloroethane	20	23.0	ug/Kg	115	6		82	125	20
	2-Hexanone	100	120	ug/Kg	120	9		66	138	20
	Dibromochloromethane	20	22.7	ug/Kg	114	7		79	125	20
	1,2-Dibromoethane	20	22.5	ug/Kg	113	5		80	125	20
	Tetrachloroethene	20	21.3	ug/Kg	106	3		83	125	20
	Chlorobenzene	20	21.9	ug/Kg	110	6		84	122	20
	Ethyl Benzene	20	21.5	ug/Kg	108	5		82	124	20
	m/p-Xylenes	40	44.4	ug/Kg	111	5		83	124	20
	o-Xylene	20	22.0	ug/Kg	110	4		83	123	20
	Styrene	20	21.9	ug/Kg	110	6		82	124	20
	Bromoform	20	22.6	ug/Kg	113	8		75	127	20
	Isopropylbenzene	20	21.8	ug/Kg	109	6		82	124	20
	1,1,2,2-Tetrachloroethane	20	22.4	ug/Kg	112	9		77	127	20
	1,3-Dichlorobenzene	20	22.0	ug/Kg	110	8		83	122	20
	1,4-Dichlorobenzene	20	21.8	ug/Kg	109	6		84	121	20
	1,2-Dichlorobenzene	20	22.3	ug/Kg	112	9		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3434 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1024SBSD01	1,2-Dibromo-3-Chloropropane	20	22.0	ug/Kg	110	14		66	134	20
	1,2,4-Trichlorobenzene	20	21.9	ug/Kg	110	10		78	127	20
	1,2,3-Trichlorobenzene	20	21.4	ug/Kg	107	9		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VV1104WBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3434

Lab File ID: VV039308.D | Lab Sample ID: VV1104WBL01

Date Analyzed: 11/04/2025 | Time Analyzed: 12:21

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

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VV1104WBS01	VV1104WBS01	VV039309.D	11/04/2025
VV1104WBSD01	VV1104WBSD01	VV039310.D	11/04/2025
PR132-WC2-20251022	Q3434-02	VV039311.D	11/04/2025
TB	Q3434-03	VV039312.D	11/04/2025
PR132-WC2-20251022RE	Q3434-02RE	VV039313.D	11/04/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1024SBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3434

Lab File ID: VY023560.D | Lab Sample ID: VY1024SBL01

Date Analyzed: 10/24/2025 | Time Analyzed: 09:24

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1024SBS01	VY1024SBS01	VY023561.D	10/24/2025
VY1024SBSD01	VY1024SBSD01	VY023562.D	10/24/2025
PR132-WC1-20251022	Q3434-01	VY023571.D	10/24/2025

COMMENTS:

Raw Data: **VV039281.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3434
Lab File ID: VV039281.D
BFB Injection Date: 10/07/2025
Instrument ID: MSVOA_V
BFB Injection Time: 08:25
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.6 (2) 1
174	50.0 - 100.0% of mass 95	78.1
175	5.0 - 9.0% of mass 174	5.9 (7.5) 1
176	95.0 - 101.0% of mass 174	74.2 (95.1) 1
177	5.0 - 9.0% of mass 176	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
VSTDICC001	VSTDICC001	VV039282.D	10/07/2025	09:40
VSTDICC005	VSTDICC005	VV039283.D	10/07/2025	10:03
VSTDICC010	VSTDICC010	VV039284.D	10/07/2025	10:25
VSTDICC020	VSTDICC020	VV039285.D	10/07/2025	10:47
VSTDICCC050	VSTDICCC050	VV039286.D	10/07/2025	11:10
VSTDICC100	VSTDICC100	VV039287.D	10/07/2025	11:32

Raw Data: **VV039305.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3434

Lab File ID: VV039305.D | BFB Injection Date: 11/04/2025

Instrument ID: MSVOA_V | BFB Injection Time: 10:24

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.5 (7.3) 1
176	95.0 - 101.0% of mass 174	74 (97.2) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VV039306.D	11/04/2025	11:21
VV1104WBL01	VV1104WBL01	VV039308.D	11/04/2025	12:21
VV1104WBS01	VV1104WBS01	VV039309.D	11/04/2025	12:49
VV1104WBSD01	VV1104WBSD01	VV039310.D	11/04/2025	13:12
PR132-WC2-20251022	Q3434-02	VV039311.D	11/04/2025	13:49
TB	Q3434-03	VV039312.D	11/04/2025	14:12
PR132-WC2-20251022RE	Q3434-02RE	VV039313.D	11/04/2025	14:34

Raw Data: **VY023383.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3434

Lab File ID: VY023383.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:43

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023384.D	10/07/2025	09:17
VSTDICC010	VSTDICC010	VY023385.D	10/07/2025	10:02
VSTDICC020	VSTDICC020	VY023386.D	10/07/2025	11:24
VSTDICCC050	VSTDICCC050	VY023387.D	10/07/2025	11:47
VSTDICC100	VSTDICC100	VY023388.D	10/07/2025	12:09
VSTDICC150	VSTDICC150	VY023389.D	10/07/2025	12:32

Raw Data: **VY023558.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3434

Lab File ID: VY023558.D | BFB Injection Date: 10/24/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 07:47

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	47.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.1) 1
174	50.0 - 100.0% of mass 95	98.2
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	96.3 (98) 1
177	5.0 - 9.0% of mass 176	6.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023559.D	10/24/2025	08:56
VY1024SBL01	VY1024SBL01	VY023560.D	10/24/2025	09:24
VY1024SBS01	VY1024SBS01	VY023561.D	10/24/2025	09:52
VY1024SBSD01	VY1024SBSD01	VY023562.D	10/24/2025	10:14
PR132-WC1-20251022	Q3434-01	VY023571.D	10/24/2025	14:28

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3434

Lab File ID: VV039306.D Date Analyzed: 11/04/2025

Instrument ID: MSVOA_V Time Analyzed: 11:21

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	637264	4.60	1024760	5.53	1022020	8.77
UPPER LIMIT	1274530	5.1	2049510	6.032	2044030	9.273
LOWER LIMIT	318632	4.1	512378	5.032	511008	8.273
EPA SAMPLE NO.						
PR132-WC2-20251022	659851	4.60	1187277	5.53	1121779	8.77
PR132-WC2-20251022RE	632494	4.60	1126953	5.53	1080628	8.77
TB	659982	4.60	1223717	5.53	1158276	8.77
VV1104WBL01	1064589	4.60	1972523	5.53	1793346	8.77
VV1104WBS01	733220	4.60	1149929	5.53	1129519	8.77
VV1104WBSD01	706395	4.60	1110419	5.53	1079972	8.77

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: AECO02

Lab Code: ACE SDG NO.: Q3434

Lab File ID: VV039306.D Date Analyzed: 11/04/2025

Instrument ID: MSVOA_V Time Analyzed: 11:21

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

	IS4 AREA #	RT #				
12 HOUR STD	572200	11.172				
UPPER LIMIT	1144400	11.672				
LOWER LIMIT	286100	10.672				
EPA SAMPLE NO.						
PR132-WC2-20251022	499329	11.17				
PR132-WC2-20251022RE	492663	11.17				
TB	511635	11.17				
VV1104WBL01	828938	11.17				
VV1104WBS01	636116	11.17				
VV1104WBSD01	618050	11.17				

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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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3434

Lab File ID: VY023559.D Date Analyzed: 10/24/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:56

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	558901	7.71	809883	8.62	712621	11.41
UPPER LIMIT	1117800	8.213	1619770	9.115	1425240	11.914
LOWER LIMIT	279451	7.213	404942	8.115	356311	10.914
EPA SAMPLE NO.						
PR132-WC1-20251022	800623	7.71	1311862	8.62	1147899	11.42
VY1024SBL01	898566	7.71	1421897	8.62	1164716	11.41
VY1024SBS01	551537	7.71	799010	8.62	709717	11.41
VY1024SBSD01	536786	7.71	783587	8.62	686581	11.41

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: AECO02

Lab Code: ACE SDG NO.: Q3434

Lab File ID: VY023559.D Date Analyzed: 10/24/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:56

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	380279	13.346				
UPPER LIMIT	760558	13.846				
LOWER LIMIT	190140	12.846				
EPA SAMPLE NO.						
PR132-WC1-20251022	505336	13.35				
VY1024SBL01	469443	13.35				
VY1024SBS01	380713	13.35				
VY1024SBSD01	360721	13.35				

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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TECHNICAL GROUP

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC1-20251022	SDG No.:	Q3434
Lab Sample ID:	Q3434-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	57.9
Sample Wt/Vol:	6.17 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	7.00	U	1	1.60	7.00	ug/Kg	10/24/25 14:28	VY102425
74-87-3	Chloromethane	7.00	U	1	1.60	7.00	ug/Kg	10/24/25 14:28	VY102425
75-01-4	Vinyl Chloride	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
74-83-9	Bromomethane	7.00	U	1	1.50	7.00	ug/Kg	10/24/25 14:28	VY102425
75-00-3	Chloroethane	7.00	U	1	1.80	7.00	ug/Kg	10/24/25 14:28	VY102425
75-69-4	Trichlorofluoromethane	7.00	U	1	1.70	7.00	ug/Kg	10/24/25 14:28	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	7.00	U	1	1.50	7.00	ug/Kg	10/24/25 14:28	VY102425
75-35-4	1,1-Dichloroethene	7.00	U	1	1.40	7.00	ug/Kg	10/24/25 14:28	VY102425
67-64-1	Acetone	27.9	J	1	6.60	35.0	ug/Kg	10/24/25 14:28	VY102425
75-15-0	Carbon Disulfide	12.6		1	1.50	7.00	ug/Kg	10/24/25 14:28	VY102425
1634-04-4	Methyl tert-butyl Ether	7.00	U	1	1.00	7.00	ug/Kg	10/24/25 14:28	VY102425
79-20-9	Methyl Acetate	7.00	U	1	2.20	7.00	ug/Kg	10/24/25 14:28	VY102425
75-09-2	Methylene Chloride	14.0	U	1	4.90	14.0	ug/Kg	10/24/25 14:28	VY102425
156-60-5	trans-1,2-Dichloroethene	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425
75-34-3	1,1-Dichloroethane	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
110-82-7	Cyclohexane	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
78-93-3	2-Butanone	35.0	U	1	9.20	35.0	ug/Kg	10/24/25 14:28	VY102425
56-23-5	Carbon Tetrachloride	7.00	U	1	1.40	7.00	ug/Kg	10/24/25 14:28	VY102425
156-59-2	cis-1,2-Dichloroethene	7.00	U	1	1.00	7.00	ug/Kg	10/24/25 14:28	VY102425
74-97-5	Bromochloromethane	7.00	U	1	1.60	7.00	ug/Kg	10/24/25 14:28	VY102425
67-66-3	Chloroform	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425
71-55-6	1,1,1-Trichloroethane	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
108-87-2	Methylcyclohexane	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
71-43-2	Benzene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
107-06-2	1,2-Dichloroethane	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
79-01-6	Trichloroethene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
78-87-5	1,2-Dichloropropane	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
75-27-4	Bromodichloromethane	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
108-10-1	4-Methyl-2-Pentanone	35.0	U	1	5.00	35.0	ug/Kg	10/24/25 14:28	VY102425
108-88-3	Toluene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
10061-02-6	t-1,3-Dichloropropene	7.00	U	1	0.91	7.00	ug/Kg	10/24/25 14:28	VY102425
10061-01-5	cis-1,3-Dichloropropene	7.00	U	1	0.87	7.00	ug/Kg	10/24/25 14:28	VY102425
79-00-5	1,1,2-Trichloroethane	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
591-78-6	2-Hexanone	35.0	U	1	5.20	35.0	ug/Kg	10/24/25 14:28	VY102425
124-48-1	Dibromochloromethane	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425
106-93-4	1,2-Dibromoethane	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425
127-18-4	Tetrachloroethene	7.00	U	1	1.50	7.00	ug/Kg	10/24/25 14:28	VY102425
108-90-7	Chlorobenzene	7.00	U	1	1.30	7.00	ug/Kg	10/24/25 14:28	VY102425
100-41-4	Ethyl Benzene	7.00	U	1	0.94	7.00	ug/Kg	10/24/25 14:28	VY102425
179601-23-1	m/p-Xylenes	14.0	U	1	1.70	14.0	ug/Kg	10/24/25 14:28	VY102425
95-47-6	o-Xylene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
100-42-5	Styrene	7.00	U	1	0.99	7.00	ug/Kg	10/24/25 14:28	VY102425
75-25-2	Bromoform	7.00	U	1	1.20	7.00	ug/Kg	10/24/25 14:28	VY102425

Raw Data: **VY023571.D**

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC1-20251022	SDG No.:	Q3434
Lab Sample ID:	Q3434-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	57.9
Sample Wt/Vol:	6.17 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	7.00	U	1	1.10	7.00	ug/Kg	10/24/25 14:28	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	7.00	U	1	1.70	7.00	ug/Kg	10/24/25 14:28	VY102425
541-73-1	1,3-Dichlorobenzene	7.00	U	1	2.40	7.00	ug/Kg	10/24/25 14:28	VY102425
106-46-7	1,4-Dichlorobenzene	7.00	U	1	2.20	7.00	ug/Kg	10/24/25 14:28	VY102425
95-50-1	1,2-Dichlorobenzene	7.00	U	1	2.00	7.00	ug/Kg	10/24/25 14:28	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	7.00	U	1	2.60	7.00	ug/Kg	10/24/25 14:28	VY102425
120-82-1	1,2,4-Trichlorobenzene	7.00	U	1	4.20	7.00	ug/Kg	10/24/25 14:28	VY102425
87-61-6	1,2,3-Trichlorobenzene	7.00	U	1	4.50	7.00	ug/Kg	10/24/25 14:28	VY102425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.2			63 - 155	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.4			70 - 134	103%	SPK: 50		
2037-26-5	Toluene-d8	49.3			74 - 123	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.7			17 - 146	93%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	801000							
540-36-3	1,4-Difluorobenzene	1310000							
3114-55-4	Chlorobenzene-d5	1150000							
3855-82-1	1,4-Dichlorobenzene-d4	505000							
TENTATIVE IDENTIFIED COMPOUNDS									
75-65-0	Tert butyl alcohol	38.2	J			4.86	ug/Kg		
000141-70-8	Heptane, 2,2,6,6-tetramethyl-4-met	10.2	J			12.9	ug/Kg		
000123-48-8	3-Heptene, 2,2,4,6,6-pentamethyl-	10.3	J			12.9	ug/Kg		

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

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

Sample Results: **VY023571.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023571.D
Acq On : 24 Oct 2025 14:28
Operator : SY/MD
Sample : Q3434-01
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Quant Time: Oct 24 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

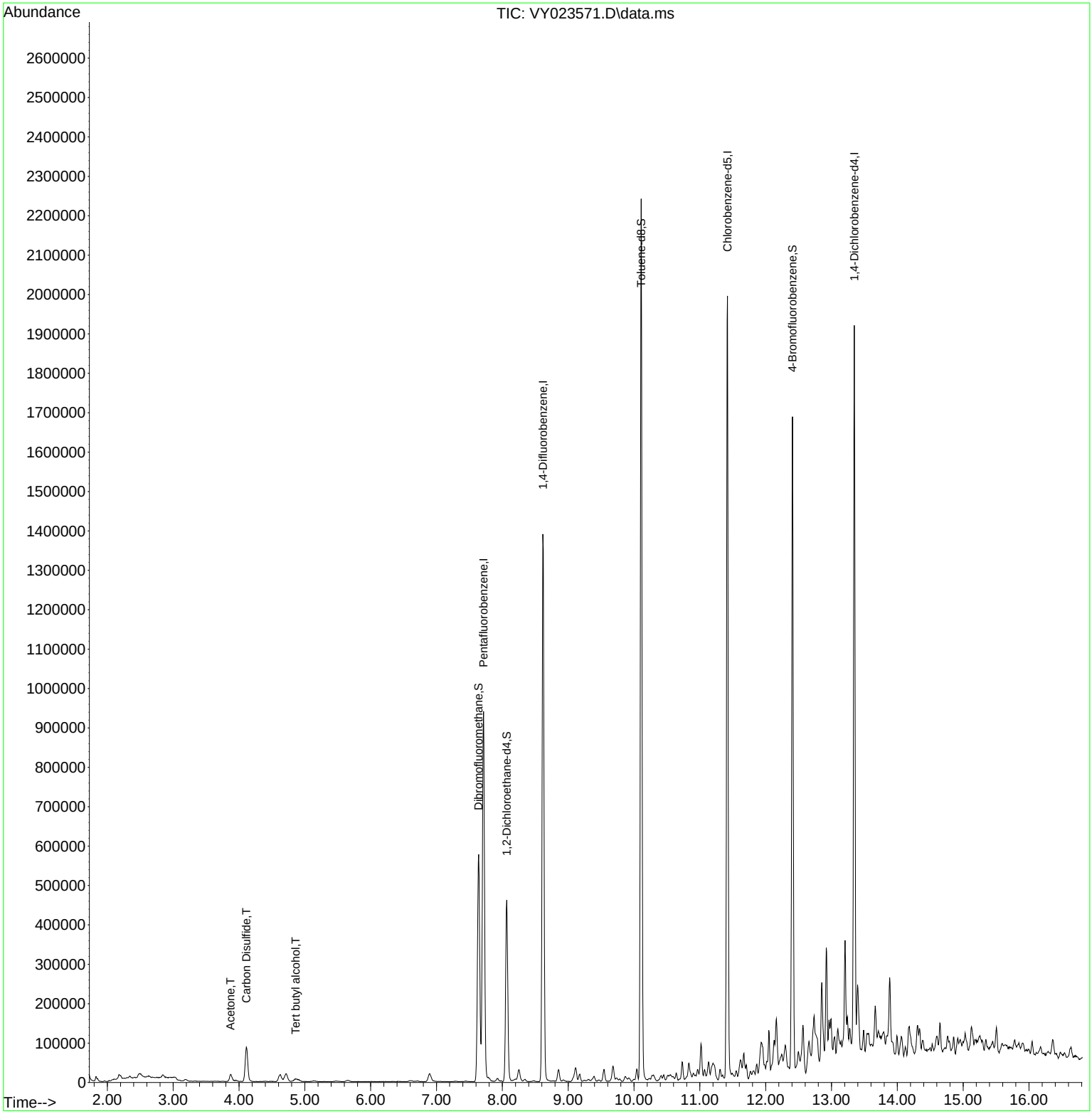
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	800623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1311862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1147899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	505336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	356186	53.202	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.400%			
35) Dibromofluoromethane	7.640	113	414087	51.371	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.740%			
50) Toluene-d8	10.109	98	1480778	49.328	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.408	95	463137	46.731	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.460%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	13608	27.322	ug/l #	92
16) Acetone	3.872	43	31826	19.968	ug/l	98
17) Carbon Disulfide	4.110	76	184454	9.024	ug/l	98

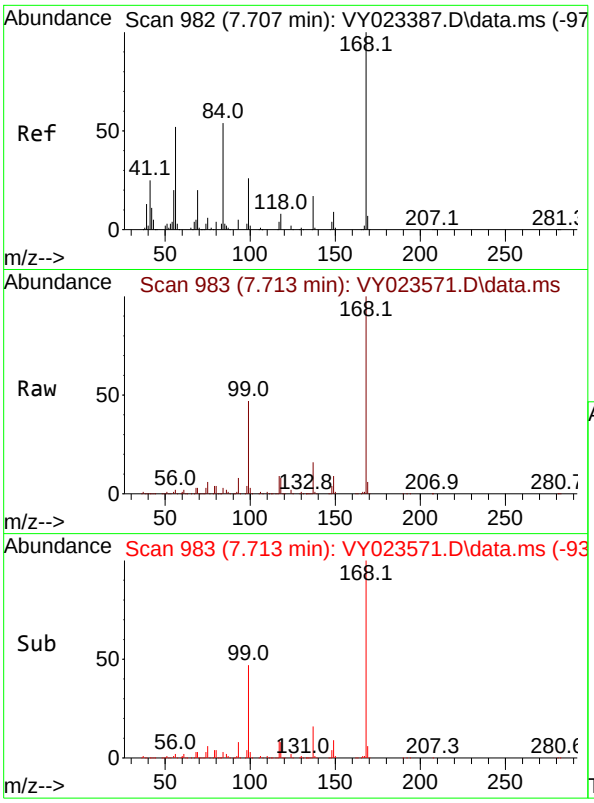
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023571.D
Acq On : 24 Oct 2025 14:28
Operator : SY/MD
Sample : Q3434-01
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Quant Time: Oct 24 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



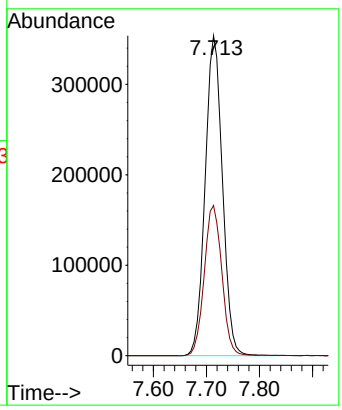


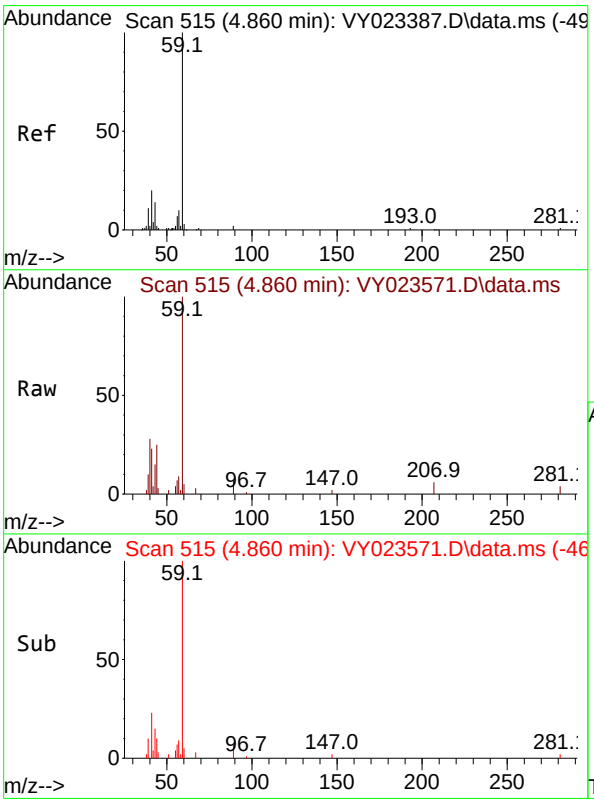
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Tgt Ion:168 Resp: 800623

Ion	Ratio	Lower	Upper
168	100		
99	47.0	39.7	59.5

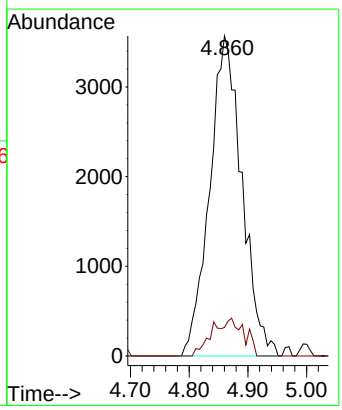


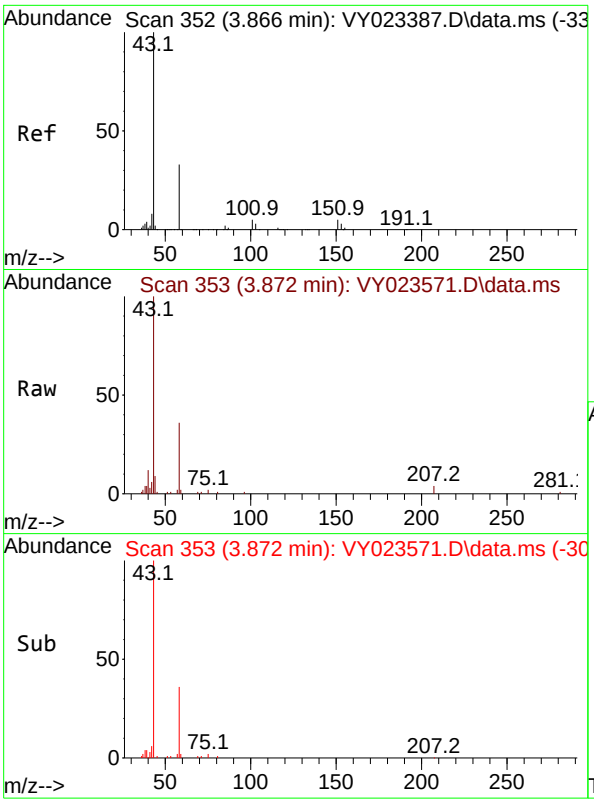


#11
Tert butyl alcohol
Concen: 27.322 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion: 59 Resp: 13608

Ion	Ratio	Lower	Upper
59	100		
57	7.2	8.3	12.5#



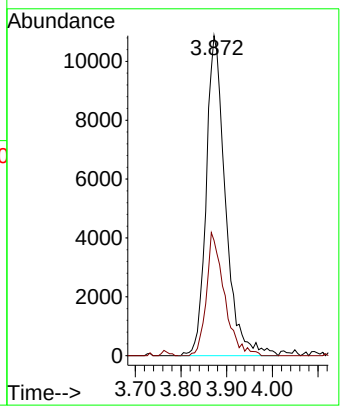


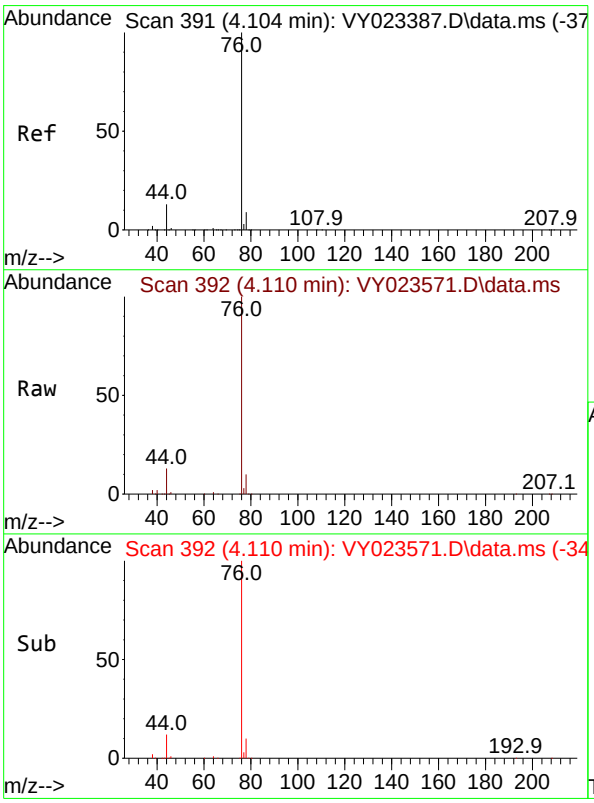
#16
Acetone
Concen: 19.968 ug/l
RT: 3.872 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Tgt Ion: 43 Resp: 31826

Ion	Ratio	Lower	Upper
43	100		
58	36.0	27.7	41.5

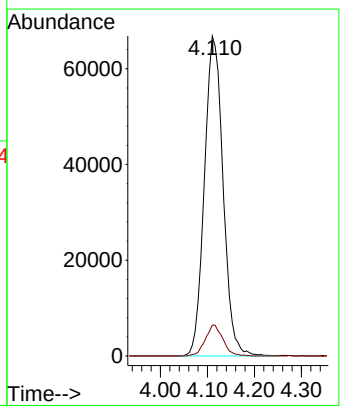


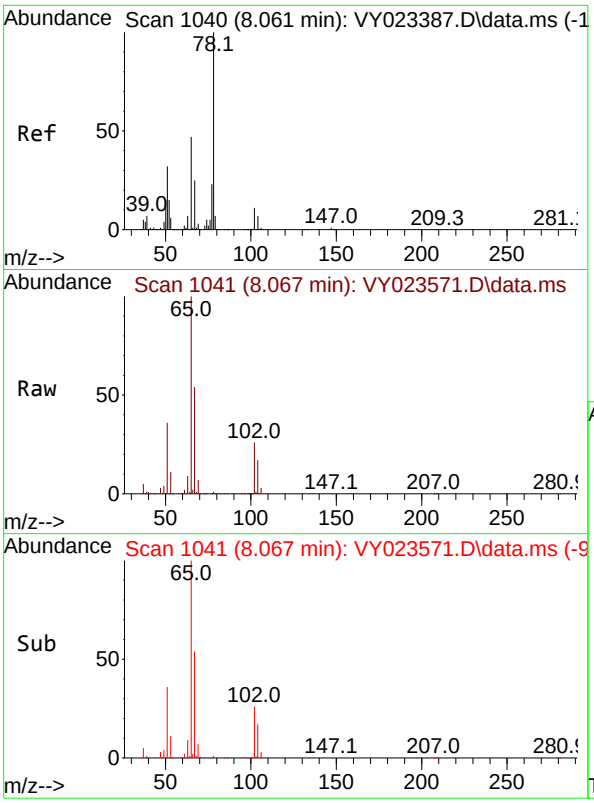


#17
Carbon Disulfide
Concen: 9.024 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion: 76 Resp: 184454

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9



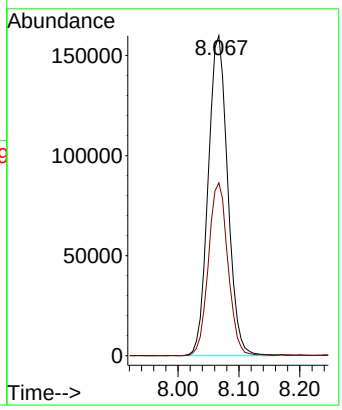


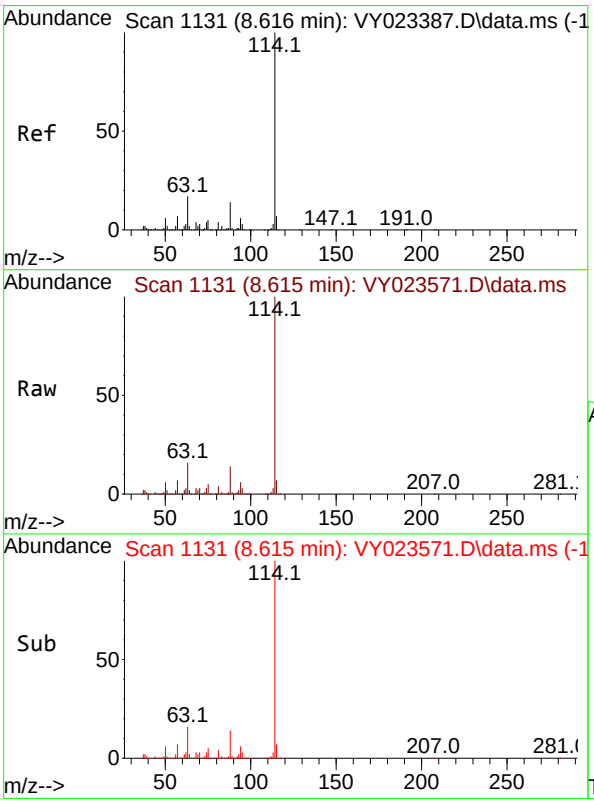
#33
1,2-Dichloroethane-d4
Concen: 53.202 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Tgt Ion: 65 Resp: 356186

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.8

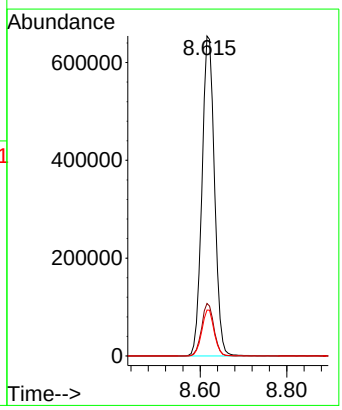


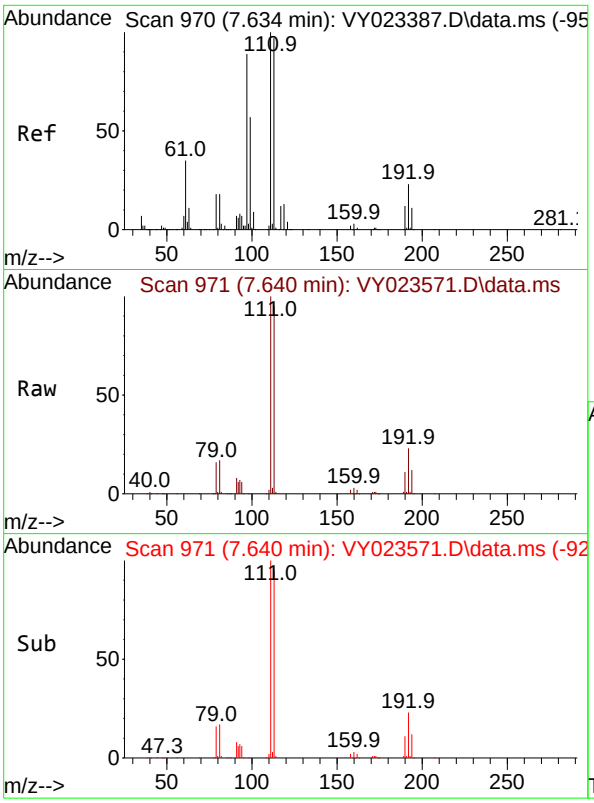


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion:114 Resp: 1311862

Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	34.2
88	14.3	0.0	28.4



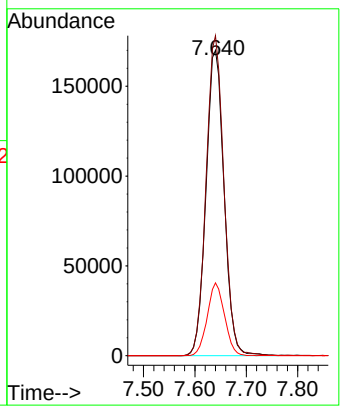


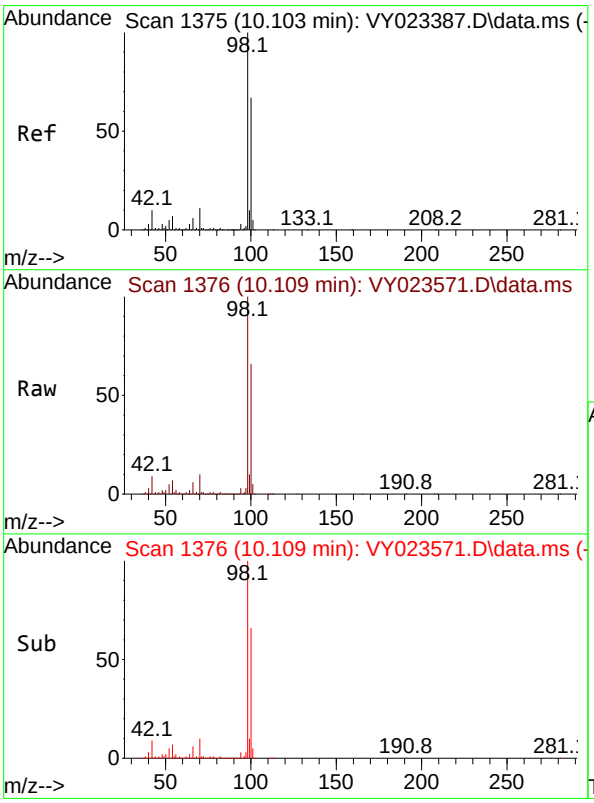
#35
Dibromofluoromethane
Concen: 51.371 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Tgt Ion:113 Resp: 414087

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	22.8	18.0	27.0

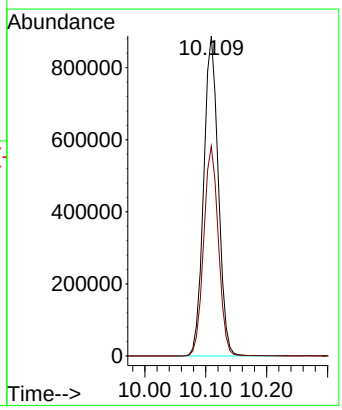


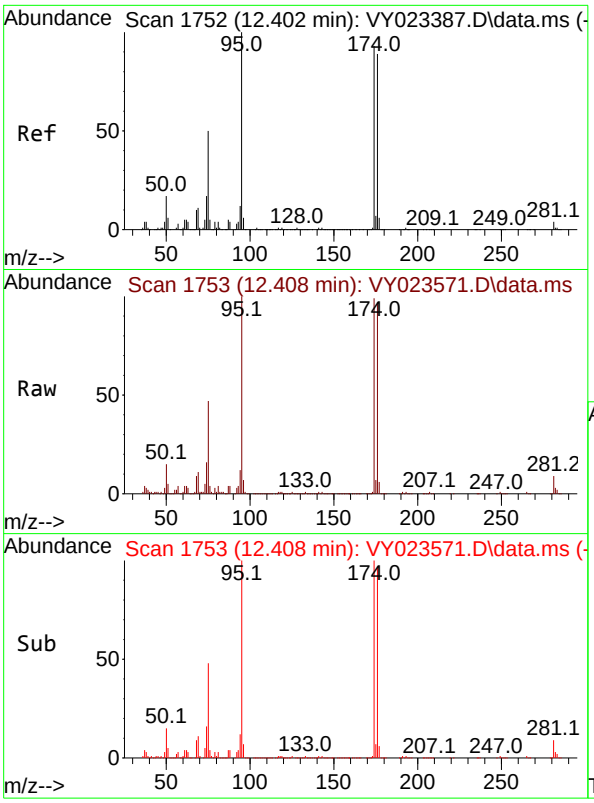


#50
Toluene-d8
Concen: 49.328 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion: 98 Resp: 1480778

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4



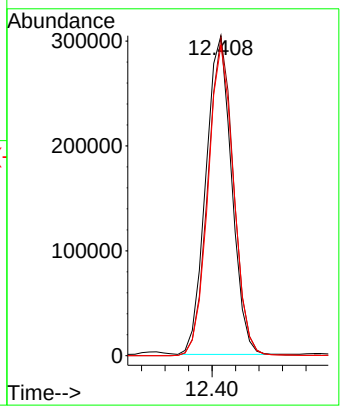


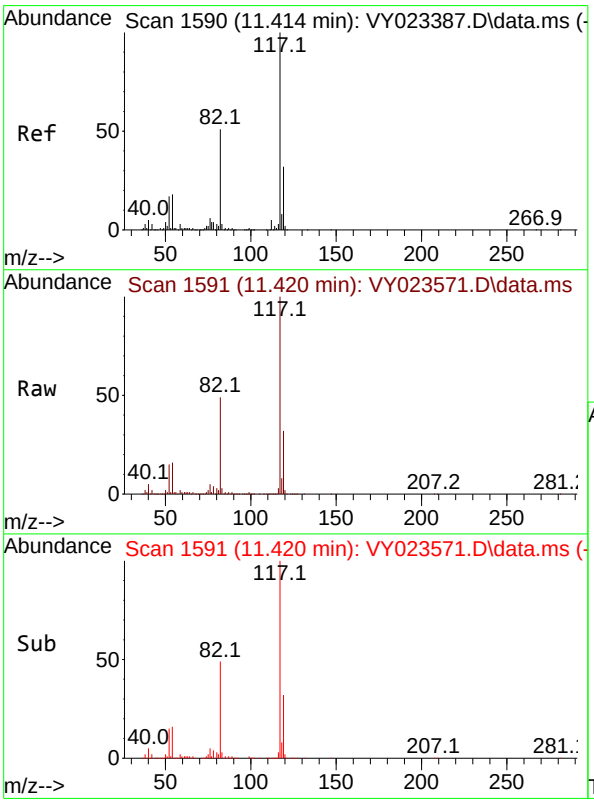
#62
4-Bromofluorobenzene
Concen: 46.731 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Tgt Ion: 95 Resp: 463137

Ion	Ratio	Lower	Upper
95	100		
174	99.3	0.0	192.8
176	96.5	0.0	187.6

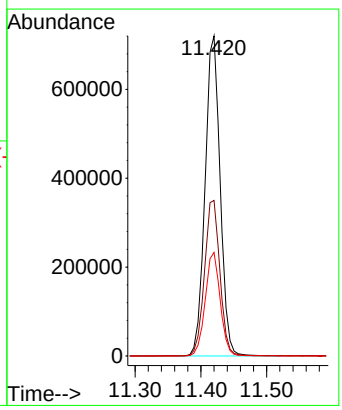


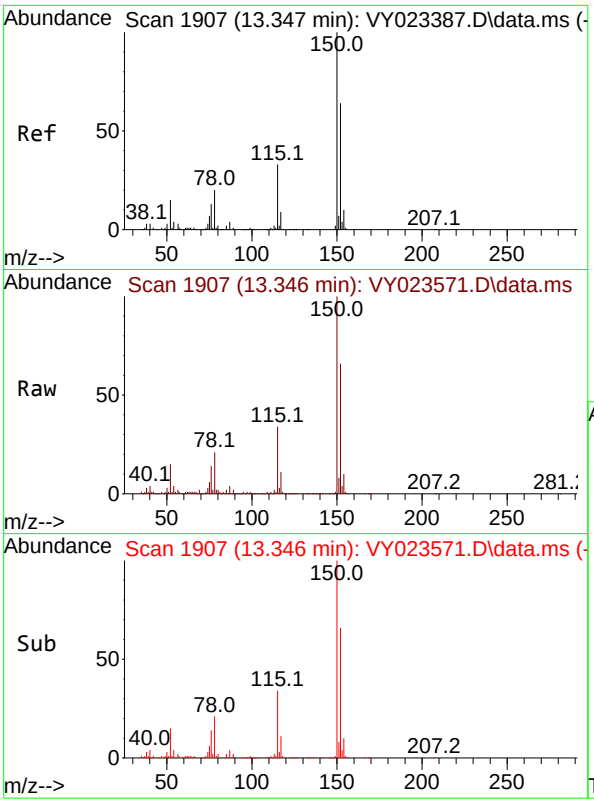


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Tgt Ion:117 Resp: 1147899

Ion	Ratio	Lower	Upper
117	100		
82	48.5	41.0	61.4
119	32.4	25.6	38.4



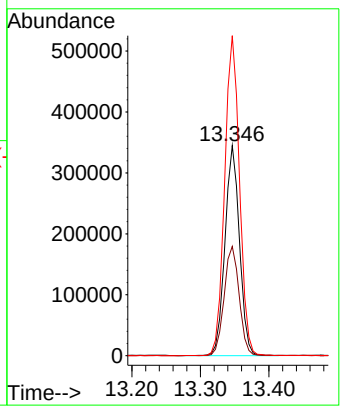


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023571.D
Acq: 24 Oct 2025 14:28

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Tgt Ion:152 Resp: 505336

Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.1	81.2
150	155.4	0.0	347.4



Sample Results: **VY023571.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023571.D
Acq On : 24 Oct 2025 14:28
Operator : SY/MD
Sample : Q3434-01
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

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_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023571.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.872	344	353	363	rBV2	18213	51758	1.37%	0.191%
2	4.110	381	392	406	rBV	87158	239645	6.36%	0.884%
3	4.628	466	477	483	rBV2	17937	58135	1.54%	0.214%
4	4.714	483	491	503	rVB5	19708	65872	1.75%	0.243%
5	6.896	838	849	859	rBV2	20489	66460	1.76%	0.245%
6	7.640	958	971	977	rBV	576953	1401706	37.19%	5.168%
7	7.713	977	983	993	rVB	931125	2091157	55.48%	7.711%
8	8.067	1031	1041	1052	rBV	461061	1036310	27.49%	3.821%
9	8.250	1064	1071	1081	rVB	29030	73350	1.95%	0.270%
10	8.615	1120	1131	1151	rBV	1390190	2778649	73.72%	10.245%
11	8.853	1163	1170	1177	rBV2	29378	63347	1.68%	0.234%
12	9.115	1200	1213	1218	rBV6	34895	98494	2.61%	0.363%
13	9.542	1275	1283	1291	rVB2	29984	61371	1.63%	0.226%
14	9.682	1295	1306	1311	rBV2	38374	86791	2.30%	0.320%
15	10.042	1360	1365	1369	rBV	26805	42945	1.14%	0.158%
16	10.109	1369	1376	1390	rVB	2235602	3769327	100.00%	13.898%
17	10.731	1472	1478	1484	rVB	44557	76720	2.04%	0.283%
18	10.835	1489	1495	1502	rVV	35507	74268	1.97%	0.274%
19	11.018	1520	1525	1531	rVB2	80780	136009	3.61%	0.501%
20	11.133	1538	1544	1548	rBV4	35242	62157	1.65%	0.229%
21	11.200	1548	1555	1567	rVB9	42599	170170	4.51%	0.627%
22	11.310	1567	1573	1576	rBV2	26825	47728	1.27%	0.176%
23	11.420	1583	1591	1601	rBV	1985219	3238940	85.93%	11.943%
24	11.615	1616	1623	1627	rBV5	42252	101325	2.69%	0.374%
25	11.670	1627	1632	1636	rVV2	56900	113851	3.02%	0.420%
26	11.706	1636	1638	1643	rVB3	35828	46007	1.22%	0.170%
27	11.932	1667	1675	1682	rBV6	78782	260215	6.90%	0.959%
28	12.048	1690	1694	1698	rVB	100142	144009	3.82%	0.531%
29	12.127	1698	1707	1709	rBV5	74751	148361	3.94%	0.547%
30	12.164	1709	1713	1718	rVV3	126155	240100	6.37%	0.885%
31	12.243	1718	1726	1729	rVV7	34546	95925	2.54%	0.354%
32	12.298	1730	1735	1741	rVB6	55264	126742	3.36%	0.467%
33	12.408	1746	1753	1760	rBV2	1654637	2709783	71.89%	9.992%
34	12.499	1763	1768	1772	rBV6	35466	65943	1.75%	0.243%
35	12.566	1772	1779	1786	rVB5	122186	285505	7.57%	1.053%
36	12.657	1786	1794	1800	rBV7	80469	247028	6.55%	0.911%

Sample Results: **VY023571.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023571.D
Acq On : 24 Oct 2025 14:28
Operator : SY/MD
Sample : Q3434-01
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

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_Y\methods\82Y100725S.M
Title : SW846 8260

37	12.737	1800	1807	1820	rVB8	115444	422511	11.21%	1.558%
38	12.853	1820	1826	1832	rBV	199858	399002	10.59%	1.471%
39	12.920	1832	1837	1841	rBV	261284	401735	10.66%	1.481%
40	12.962	1841	1844	1846	rBV3	51420	58462	1.55%	0.216%
41	13.048	1853	1858	1861	rVB5	41684	72576	1.93%	0.268%
42	13.096	1861	1866	1872	rBV6	61394	138143	3.66%	0.509%
43	13.206	1879	1884	1888	rBV	251886	376115	9.98%	1.387%
44	13.273	1893	1895	1900	rVB5	38948	51344	1.36%	0.189%
45	13.346	1900	1907	1912	rBV	1823425	2739235	72.67%	10.100%
46	13.395	1912	1915	1922	rVB	163549	318760	8.46%	1.175%
47	13.487	1926	1930	1934	rVB5	54361	75119	1.99%	0.277%
48	13.541	1934	1939	1941	rBV4	45838	83604	2.22%	0.308%
49	13.663	1954	1959	1964	rBV5	100299	183498	4.87%	0.677%
50	13.883	1990	1995	2000	rVB	164087	275340	7.30%	1.015%
51	13.993	2010	2013	2018	rVB5	48243	69420	1.84%	0.256%
52	14.060	2018	2024	2030	rVB7	49814	120231	3.19%	0.443%
53	14.182	2038	2044	2057	rBV6	73300	236365	6.27%	0.872%
54	14.304	2060	2064	2067	rBV4	59565	104132	2.76%	0.384%
55	14.645	2117	2120	2127	rVB3	73064	119738	3.18%	0.442%
56	14.767	2136	2140	2142	rBV4	31023	47829	1.27%	0.176%
57	14.852	2152	2154	2159	rVB4	42567	57631	1.53%	0.212%
58	14.919	2159	2165	2167	rBV5	40466	76497	2.03%	0.282%
59	15.127	2195	2199	2205	rBV4	48110	94986	2.52%	0.350%
60	15.346	2231	2235	2243	rBV9	27320	54744	1.45%	0.202%
61	15.505	2257	2261	2268	rVB4	64807	115822	3.07%	0.427%
62	16.047	2346	2350	2355	rVB4	32951	51768	1.37%	0.191%

Sum of corrected areas: 27120710

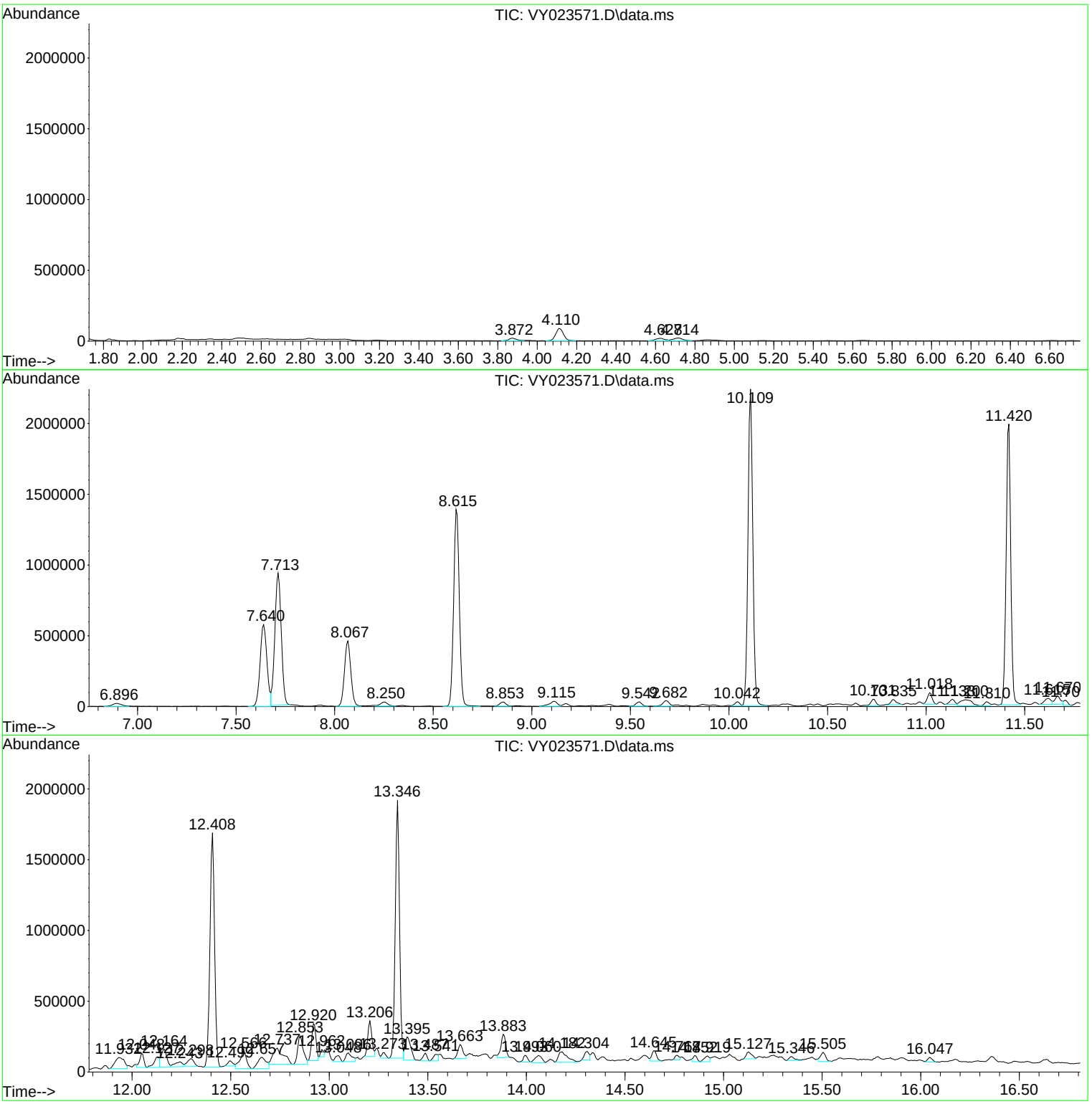
Sample Results: **VY023571.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023571.D
Acq On : 24 Oct 2025 14:28
Operator : SY/MD
Sample : Q3434-01
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



Sample Results: **VY023571.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023571.D
Acq On : 24 Oct 2025 14:28
Operator : SY/MD
Sample : Q3434-01
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

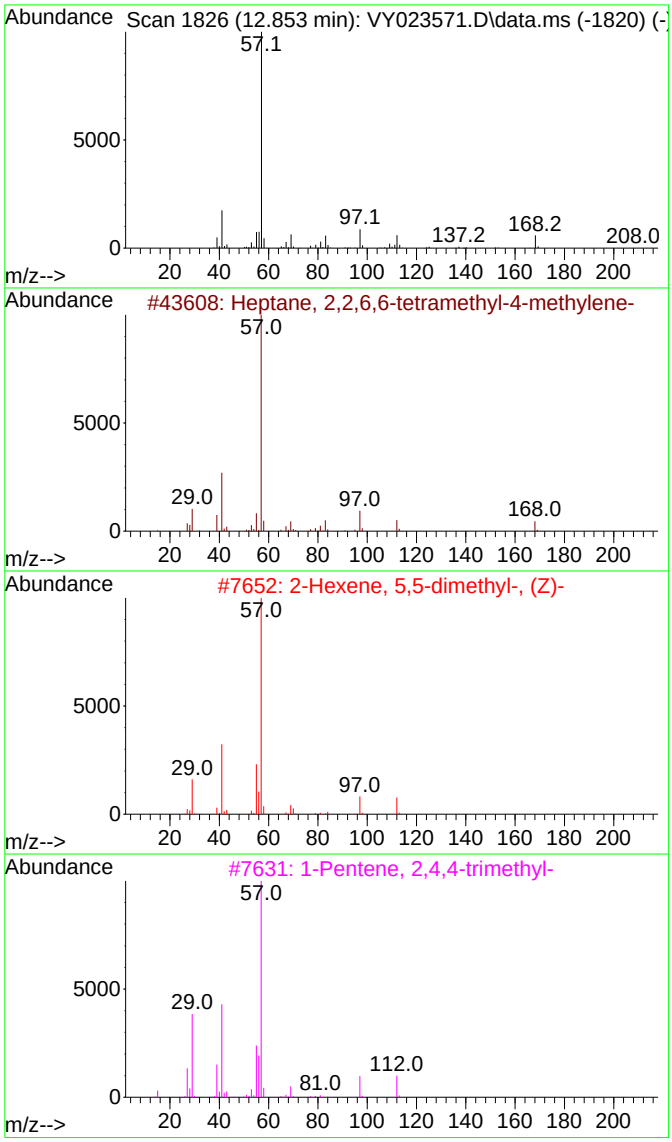
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

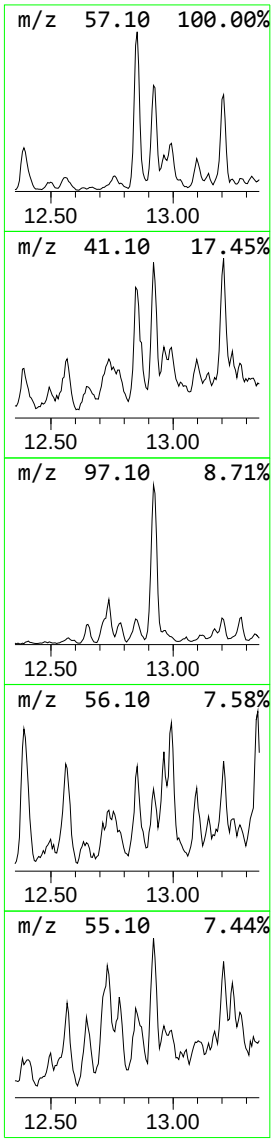
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptane, 2,2,6,6-tetramethy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.852	7.28 ug/l	399002	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	87
2	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	47
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	43
4	4-Decene, 2,2-dimethyl-, (Z)-	168	C12H24	055499-03-1	40
5	6-Tridecene, 2,2,4,10,12,12-hexa...	392	C28H56	055255-73-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023571.D
Acq On : 24 Oct 2025 14:28
Operator : SY/MD
Sample : Q3434-01
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

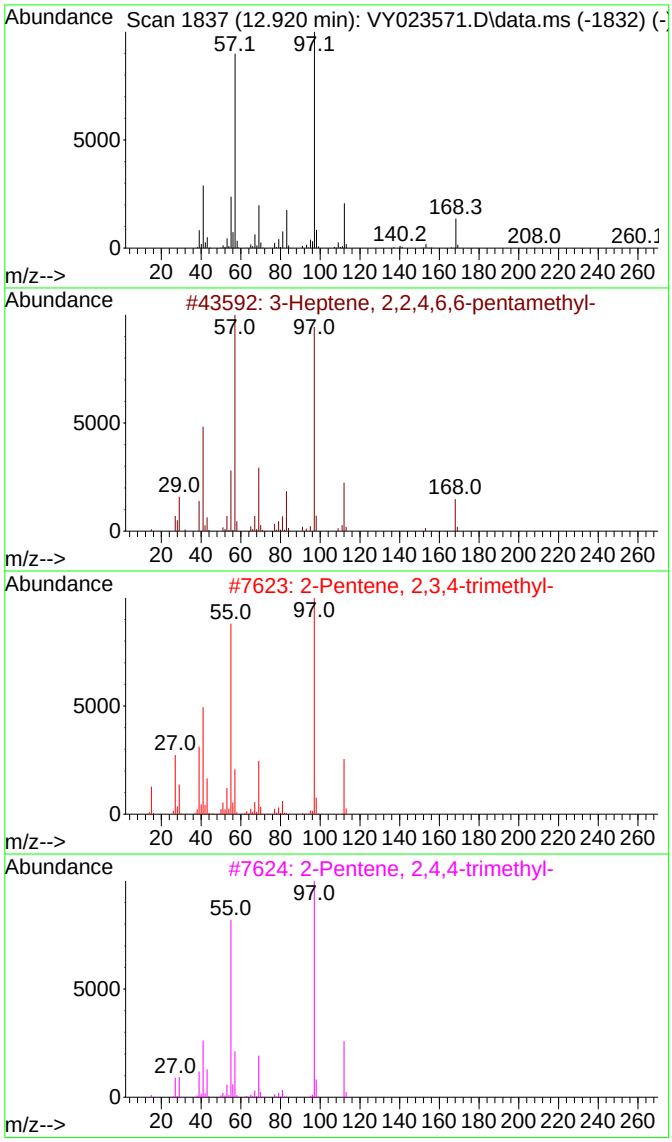
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

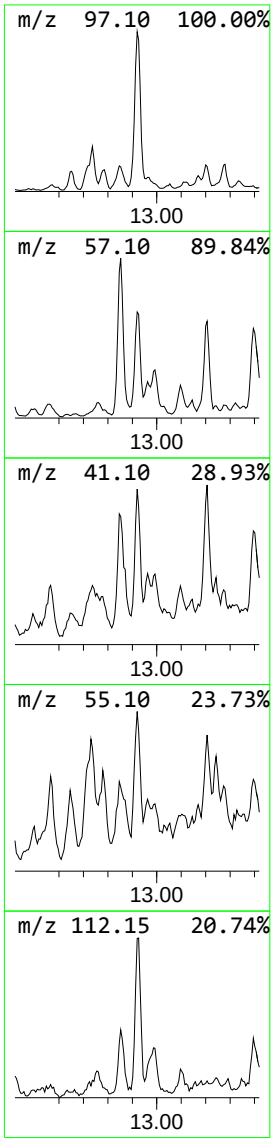
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 3-Heptene, 2,2,4,6,6-pentam... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	7.33 ug/l	401735	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24	000123-48-8	94
2	2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	64
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	58
4	3-Cyclohexen-1-ol, 3-methyl-	112	C7H12O	053783-91-8	53
5	2-Pyrazoline, 1,4,5-trimethyl-	112	C6H12N2	007423-11-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023571.D
Acq On : 24 Oct 2025 14:28
Operator : SY/MD
Sample : Q3434-01
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-WC1-20251022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.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
Heptane, 2,2,6,...	12.852	7.3	ug/l	399002	4	13.346	2739240	50.0
3-Heptene, 2,2,...	12.920	7.3	ug/l	401735	4	13.346	2739240	50.0

Raw Data: **VV039311.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC2-20251022	SDG No.:	Q3434
Lab Sample ID:	Q3434-02	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 13:49	VV110425
74-87-3	Chloromethane	5.00	U	1	0.32	5.00	ug/L	11/04/25 13:49	VV110425
75-01-4	Vinyl Chloride	5.00	U	1	0.26	5.00	ug/L	11/04/25 13:49	VV110425
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/04/25 13:49	VV110425
75-00-3	Chloroethane	5.00	U	1	0.47	5.00	ug/L	11/04/25 13:49	VV110425
75-69-4	Trichlorofluoromethane	5.00	U	1	0.33	5.00	ug/L	11/04/25 13:49	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	0.25	5.00	ug/L	11/04/25 13:49	VV110425
75-35-4	1,1-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 13:49	VV110425
67-64-1	Acetone	7.80	J	1	1.50	25.0	ug/L	11/04/25 13:49	VV110425
75-15-0	Carbon Disulfide	0.31	J	1	0.21	5.00	ug/L	11/04/25 13:49	VV110425
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
79-20-9	Methyl Acetate	5.00	U	1	0.27	5.00	ug/L	11/04/25 13:49	VV110425
75-09-2	Methylene Chloride	5.00	U	1	0.28	5.00	ug/L	11/04/25 13:49	VV110425
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 13:49	VV110425
75-34-3	1,1-Dichloroethane	5.00	U	1	0.23	5.00	ug/L	11/04/25 13:49	VV110425
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/04/25 13:49	VV110425
78-93-3	2-Butanone	3.90	J	1	0.98	25.0	ug/L	11/04/25 13:49	VV110425
56-23-5	Carbon Tetrachloride	5.00	U	1	0.25	5.00	ug/L	11/04/25 13:49	VV110425
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.19	5.00	ug/L	11/04/25 13:49	VV110425
74-97-5	Bromochloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 13:49	VV110425
67-66-3	Chloroform	5.00	U	1	0.25	5.00	ug/L	11/04/25 13:49	VV110425
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.20	5.00	ug/L	11/04/25 13:49	VV110425
108-87-2	Methylcyclohexane	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
71-43-2	Benzene	5.00	U	1	0.15	5.00	ug/L	11/04/25 13:49	VV110425
107-06-2	1,2-Dichloroethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 13:49	VV110425
79-01-6	Trichloroethene	5.00	U	1	0.090	5.00	ug/L	11/04/25 13:49	VV110425
78-87-5	1,2-Dichloropropane	5.00	U	1	0.20	5.00	ug/L	11/04/25 13:49	VV110425
75-27-4	Bromodichloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 13:49	VV110425
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	0.68	25.0	ug/L	11/04/25 13:49	VV110425
108-88-3	Toluene	5.00	U	1	0.14	5.00	ug/L	11/04/25 13:49	VV110425
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.17	5.00	ug/L	11/04/25 13:49	VV110425
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.21	5.00	ug/L	11/04/25 13:49	VV110425
591-78-6	2-Hexanone	25.0	U	1	0.89	25.0	ug/L	11/04/25 13:49	VV110425
124-48-1	Dibromochloromethane	5.00	U	1	0.18	5.00	ug/L	11/04/25 13:49	VV110425
106-93-4	1,2-Dibromoethane	5.00	U	1	0.15	5.00	ug/L	11/04/25 13:49	VV110425
127-18-4	Tetrachloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 13:49	VV110425
108-90-7	Chlorobenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 13:49	VV110425
100-41-4	Ethyl Benzene	5.00	U	1	0.13	5.00	ug/L	11/04/25 13:49	VV110425
179601-23-1	m/p-Xylenes	10.0	U	1	0.24	10.0	ug/L	11/04/25 13:49	VV110425
95-47-6	o-Xylene	5.00	U	1	0.12	5.00	ug/L	11/04/25 13:49	VV110425
100-42-5	Styrene	5.00	U	1	0.15	5.00	ug/L	11/04/25 13:49	VV110425
75-25-2	Bromoform	5.00	U	1	0.19	5.00	ug/L	11/04/25 13:49	VV110425

Raw Data: **VV039311.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC2-20251022	SDG No.:	Q3434
Lab Sample ID:	Q3434-02	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 13:49	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	0.26	5.00	ug/L	11/04/25 13:49	VV110425
541-73-1	1,3-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
106-46-7	1,4-Dichlorobenzene	5.00	U	1	0.19	5.00	ug/L	11/04/25 13:49	VV110425
95-50-1	1,2-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 13:49	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	0.53	5.00	ug/L	11/04/25 13:49	VV110425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 13:49	VV110425
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 13:49	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	63.1	*		74 - 125	126%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.5			75 - 124	111%	SPK: 50		
2037-26-5	Toluene-d8	51.6			86 - 113	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.4			77 - 121	111%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	660000							
540-36-3	1,4-Difluorobenzene	1190000							
3114-55-4	Chlorobenzene-d5	1120000							
3855-82-1	1,4-Dichlorobenzene-d4	499000							

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

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

Sample Results: **VV039311.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039311.D
Acq On : 04 Nov 2025 13:49
Operator : SY/MD
Sample : Q3434-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 00:36:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.596	168	659851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1187277	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1121779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	499329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	591835	63.122	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 126.240%#			
35) Dibromofluoromethane	4.497	113	519604	55.544	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 111.080%			
50) Toluene-d8	7.233	98	1642276	51.603	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 103.200%			
62) 4-Bromofluorobenzene	9.998	95	628109	55.418	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 110.840%			
Target Compounds						Qvalue
16) Acetone	2.121	43	77273	7.765	ug/l	96
17) Carbon Disulfide	2.256	76	7768	0.309	ug/l	98
25) 2-Butanone	3.908	43	22325m	3.893	ug/l	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039311.D
Acq On : 04 Nov 2025 13:49
Operator : SY/MD
Sample : Q3434-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 00:36:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Manual Integrations APPROVED

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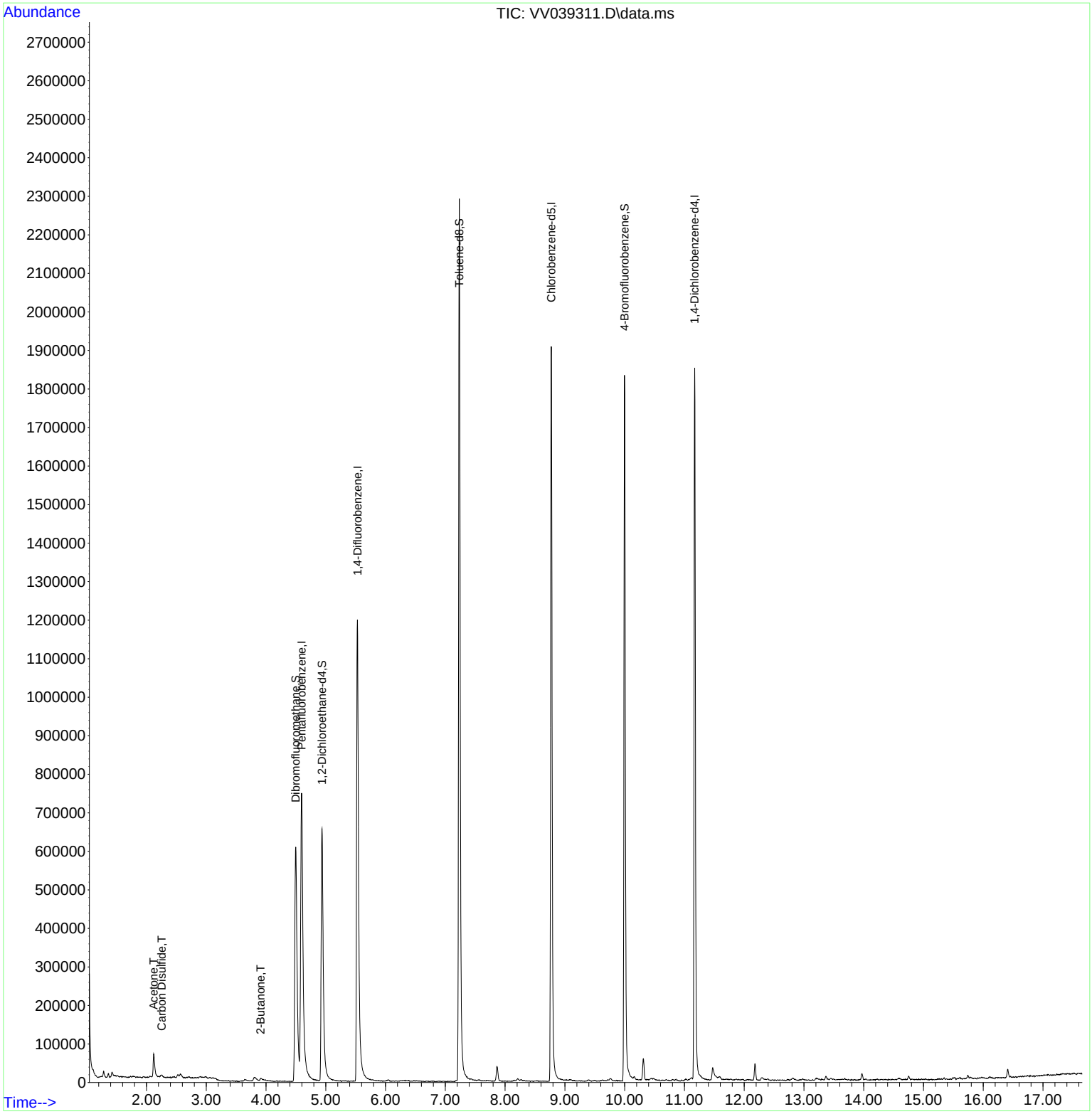

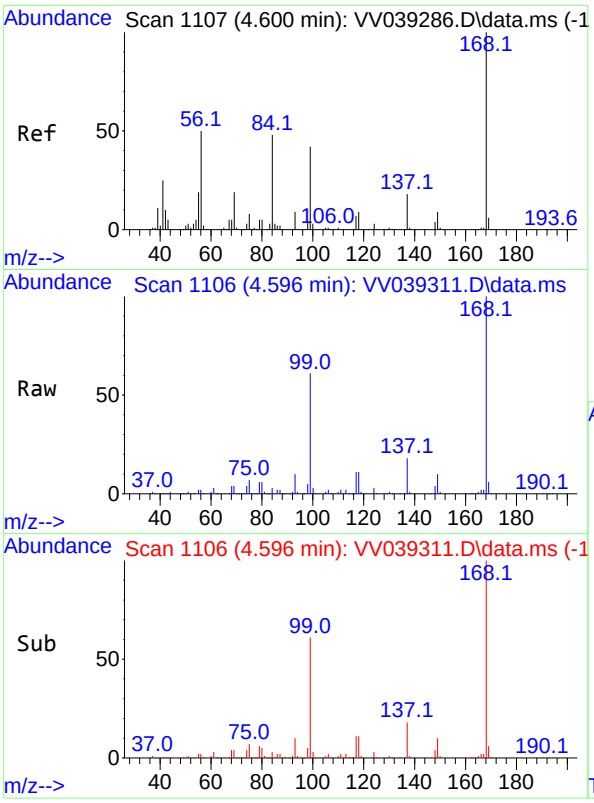

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 1
Delta R.T. -0.004 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion:168 Resp: 65985

Ion	Ratio	Lower	Upper
168	100		
99	61.3	46.6	70.0

Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Manual Integrations
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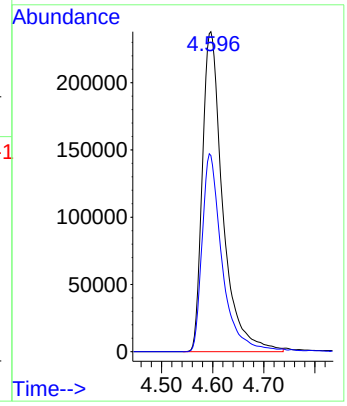
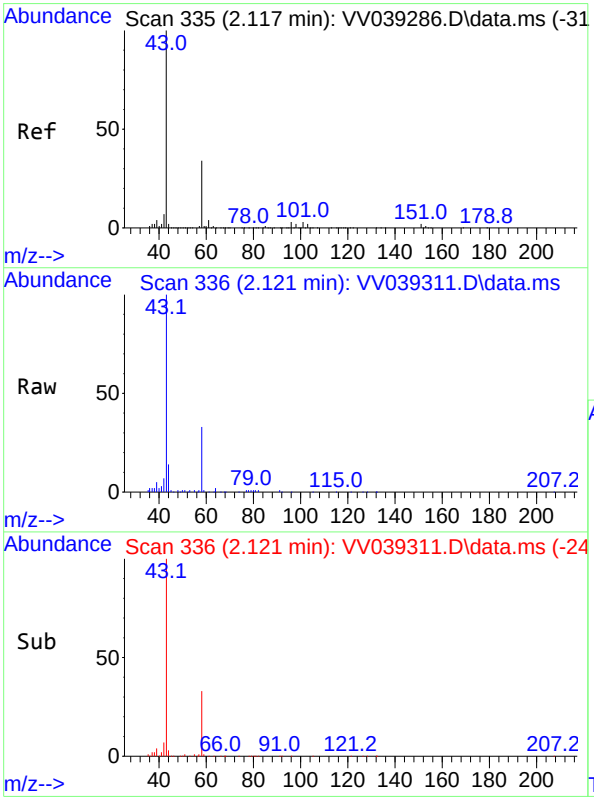
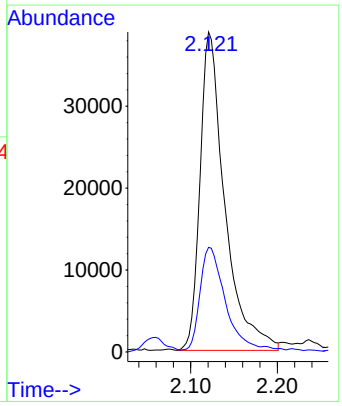


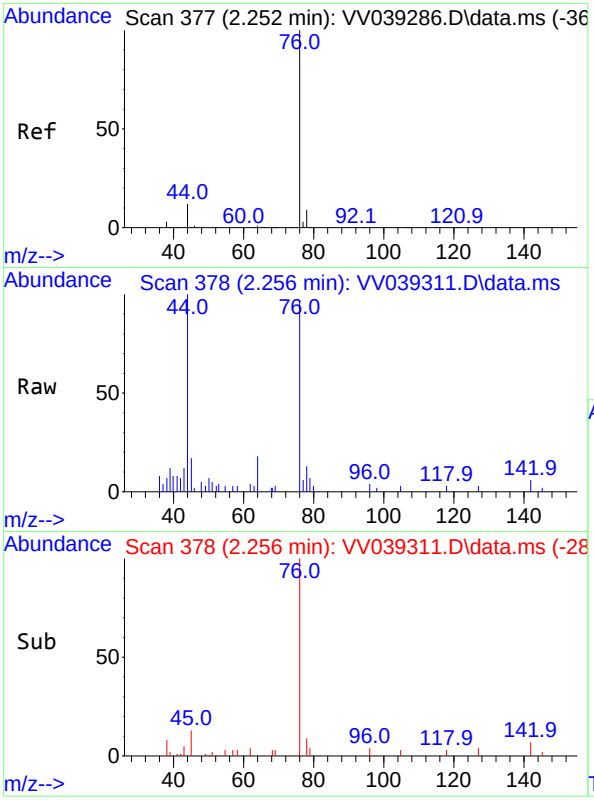


#16
Acetone
Concen: 7.765 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion: 43 Resp: 77273

Ion	Ratio	Lower	Upper
43	100		
58	32.2	27.5	41.3

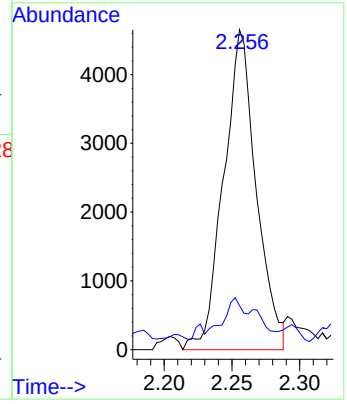




#17
Carbon Disulfide
Concen: 0.309 ug/l
RT: 2.256 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion: 76 Resp: 776

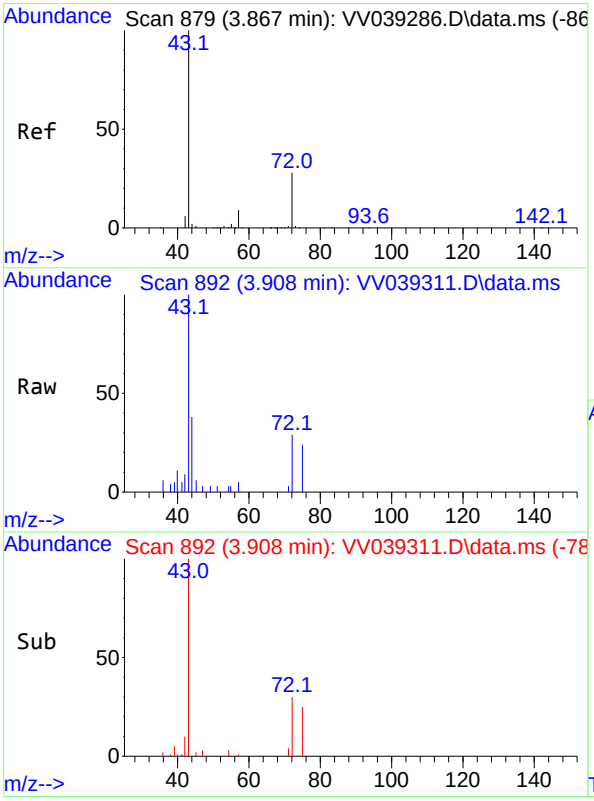
Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.0



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Manual Integrations
APPROVED

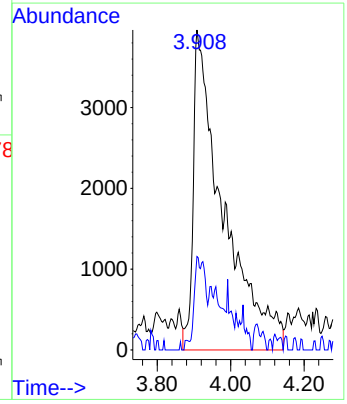
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

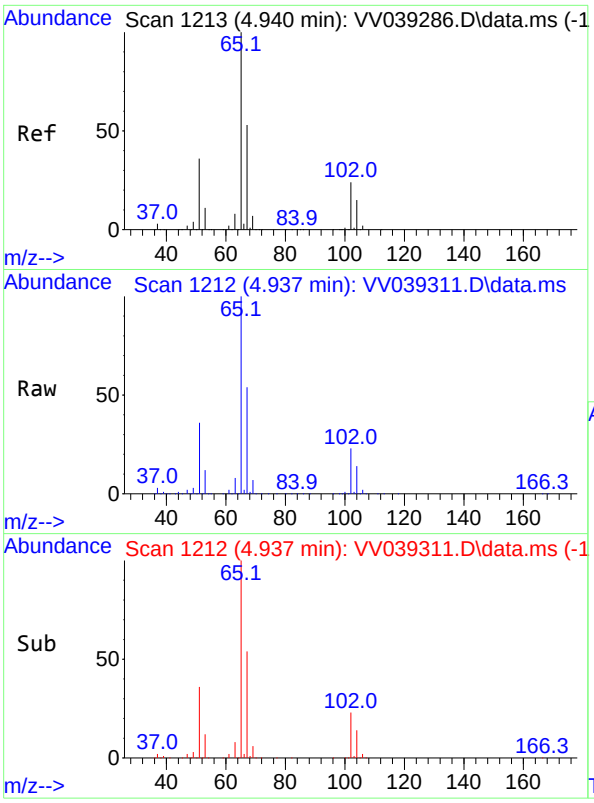


#25
2-Butanone
Concen: 3.893 ug/l m
RT: 3.908 min Scan# 892
Delta R.T. 0.042 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion: 43 Resp: 22325

Ion	Ratio	Lower	Upper
43	100		
72	29.2	22.6	34.0

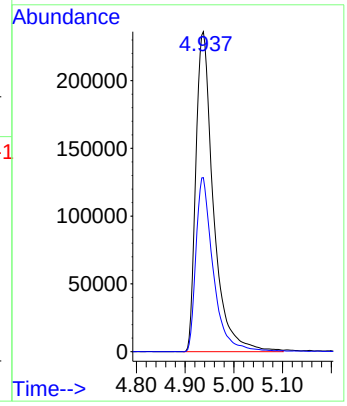




#33
1,2-Dichloroethane-d4
Concen: 63.122 ug/l
RT: 4.937 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion: 65 Resp: 59183

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Manual Integrations
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Reviewed By :Amit Patel 11/05/2025
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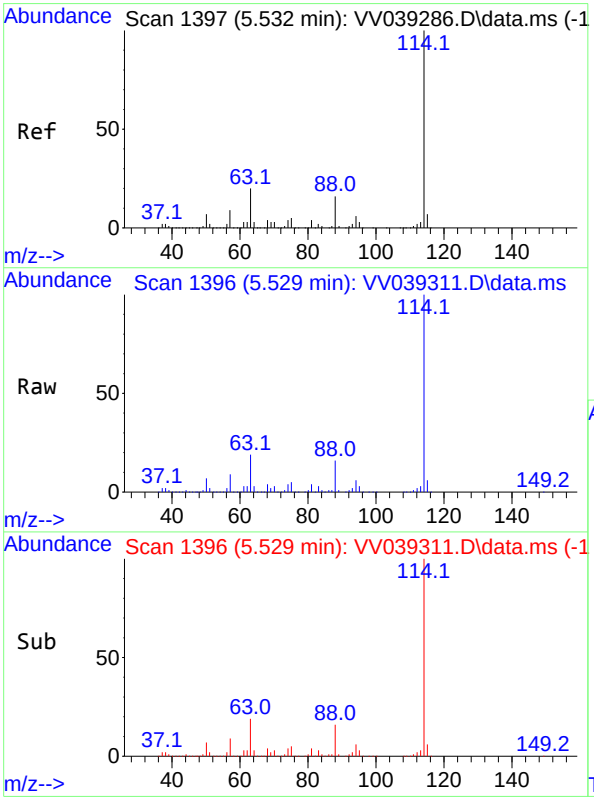
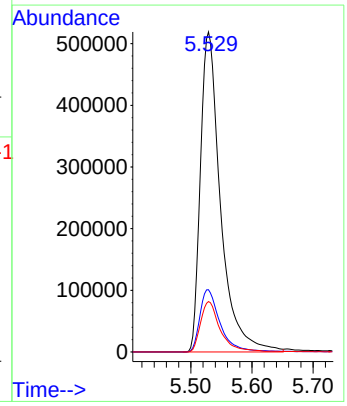
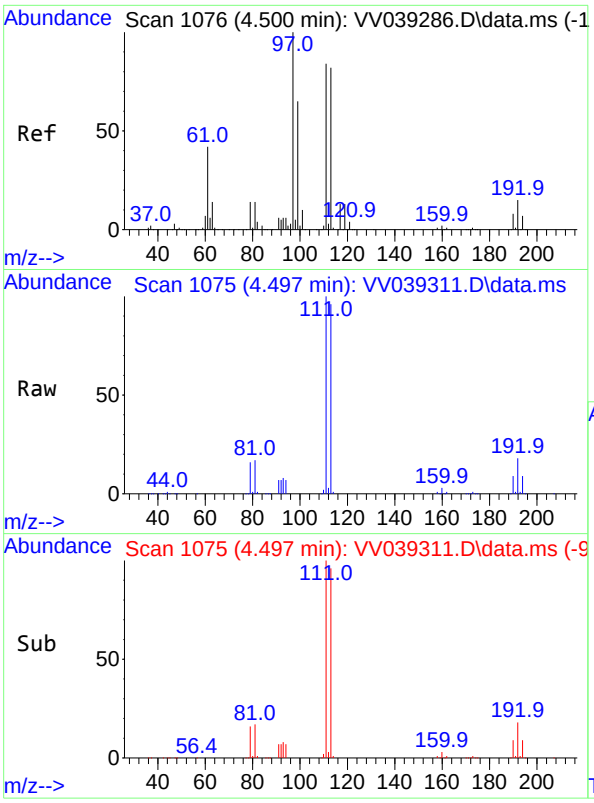


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion:114 Resp: 1187277

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	15.7	0.0	31.6

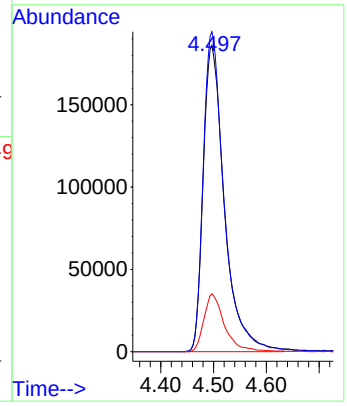




#35
Dibromofluoromethane
Concen: 55.544 ug/l
RT: 4.497 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion:113 Resp: 51960

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.0	123.0
192	18.4	14.3	21.5



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Manual Integrations
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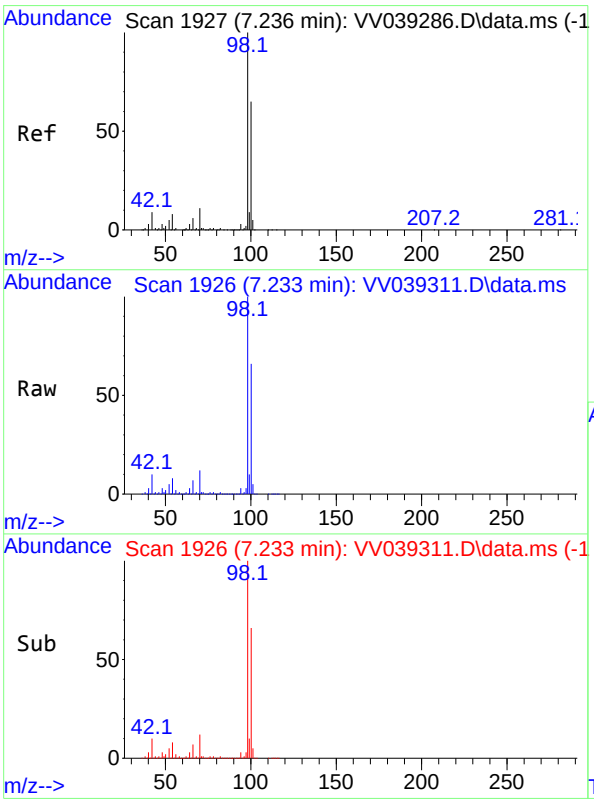
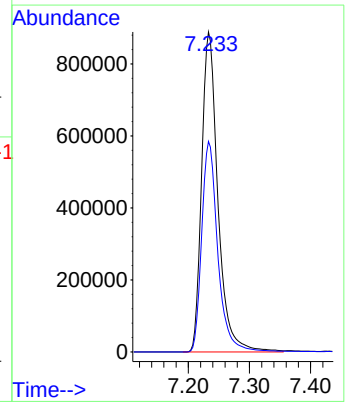
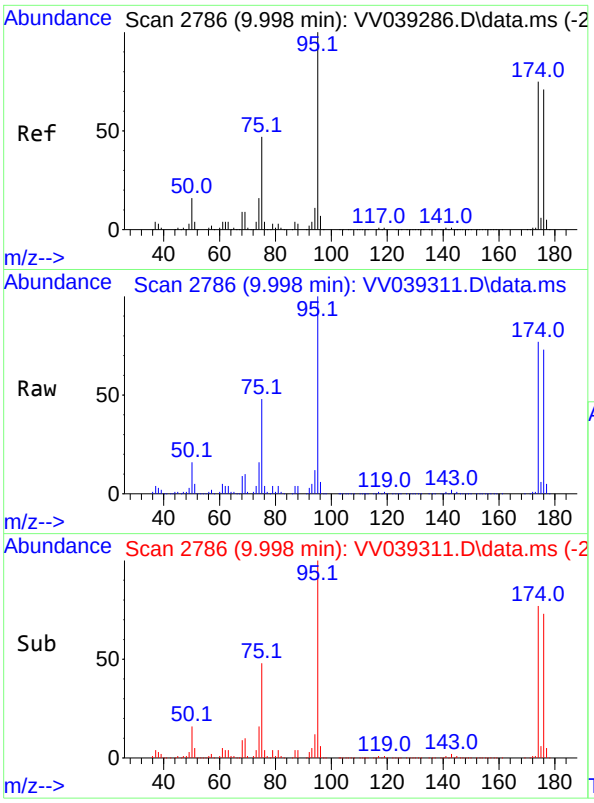


#50
Toluene-d8
Concen: 51.603 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. -0.003 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion: 98 Resp: 1642276

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.8	79.2

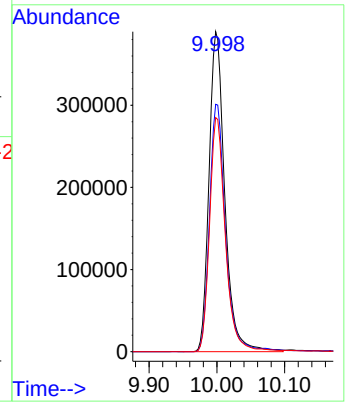




#62
4-Bromofluorobenzene
Concen: 55.418 ug/l
RT: 9.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion: 95 Resp: 62810

Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	153.6
176	73.6	0.0	146.0



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Manual Integrations
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Reviewed By :Amit Patel 11/05/2025
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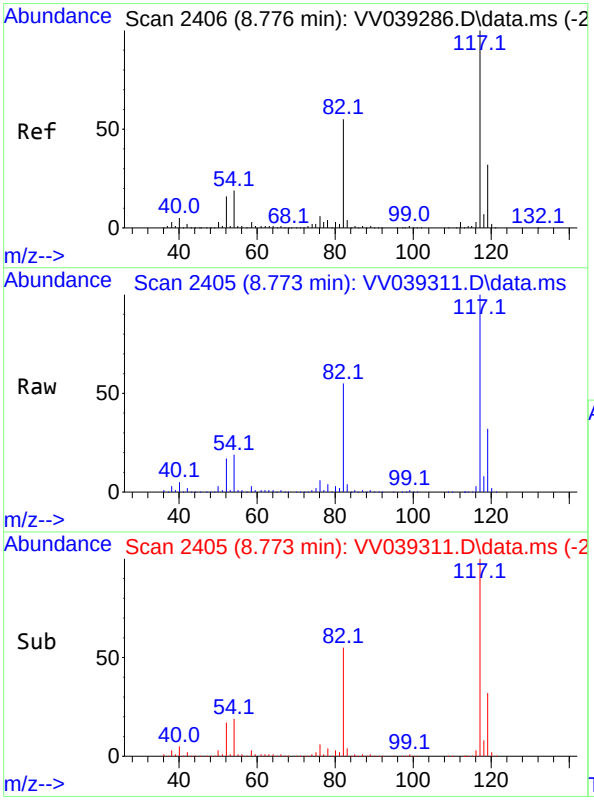
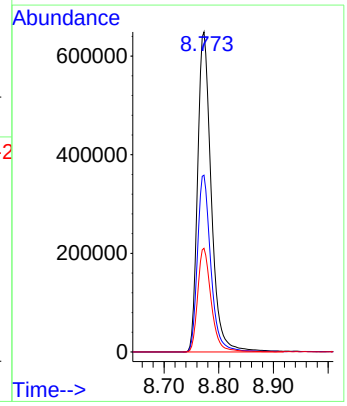
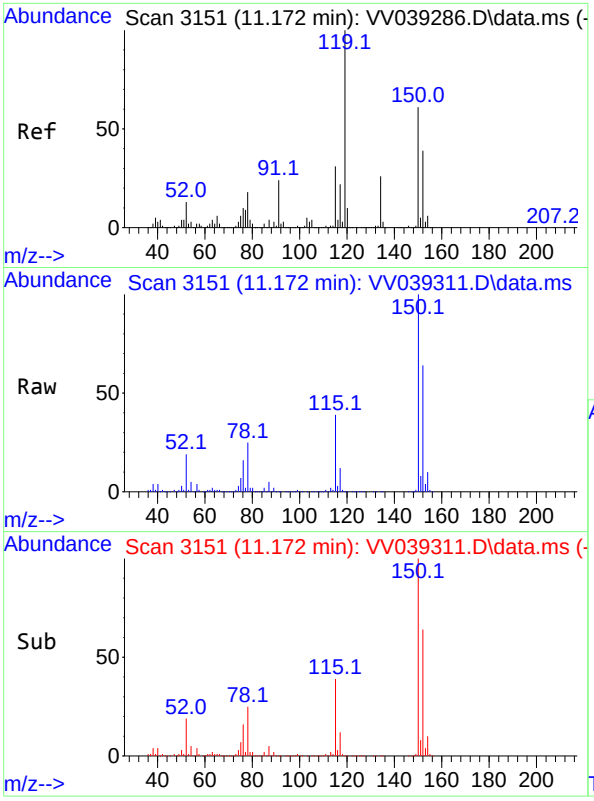


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion:117 Resp: 1121779

Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.8	65.8
119	32.4	25.8	38.6

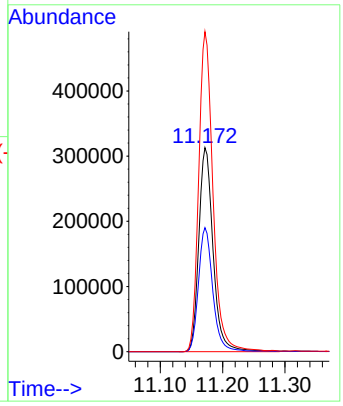




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039311.D
Acq: 04 Nov 2025 13:49

Tgt Ion:152 Resp: 49932

Ion	Ratio	Lower	Upper
152	100		
115	60.7	42.3	126.8
150	156.6	0.0	348.0



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Sample Results: **VV039311.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039311.D
Acq On : 04 Nov 2025 13:49
Operator : SY/MD
Sample : Q3434-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039311.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.121	329	336	357	rVB	59542	110549	2.60%	0.502%
2	4.497	1059	1075	1094	rBV2	608595	1622651	38.22%	7.376%
3	4.593	1094	1105	1143	rVB	737019	2020513	47.59%	9.184%
4	4.937	1200	1212	1259	rBV	653237	1637471	38.57%	7.443%
5	5.529	1384	1396	1450	rBV	1197492	2785303	65.61%	12.660%
6	7.233	1915	1926	1963	rBV	2288320	4245466	100.00%	19.297%
7	7.863	2109	2122	2135	rBV2	38441	76636	1.81%	0.348%
8	8.773	2394	2405	2444	rBV	1906559	3296180	77.64%	14.982%
9	9.998	2776	2786	2821	rBV	1831574	3001560	70.70%	13.643%
10	10.313	2873	2884	2898	rVB2	55592	98207	2.31%	0.446%
11	11.172	3140	3151	3183	rBV	1845407	2941113	69.28%	13.368%
12	11.471	3230	3244	3265	rBV5	32533	94651	2.23%	0.430%
13	12.181	3455	3465	3477	rBV2	42532	70251	1.65%	0.319%

Sum of corrected areas: 22000551

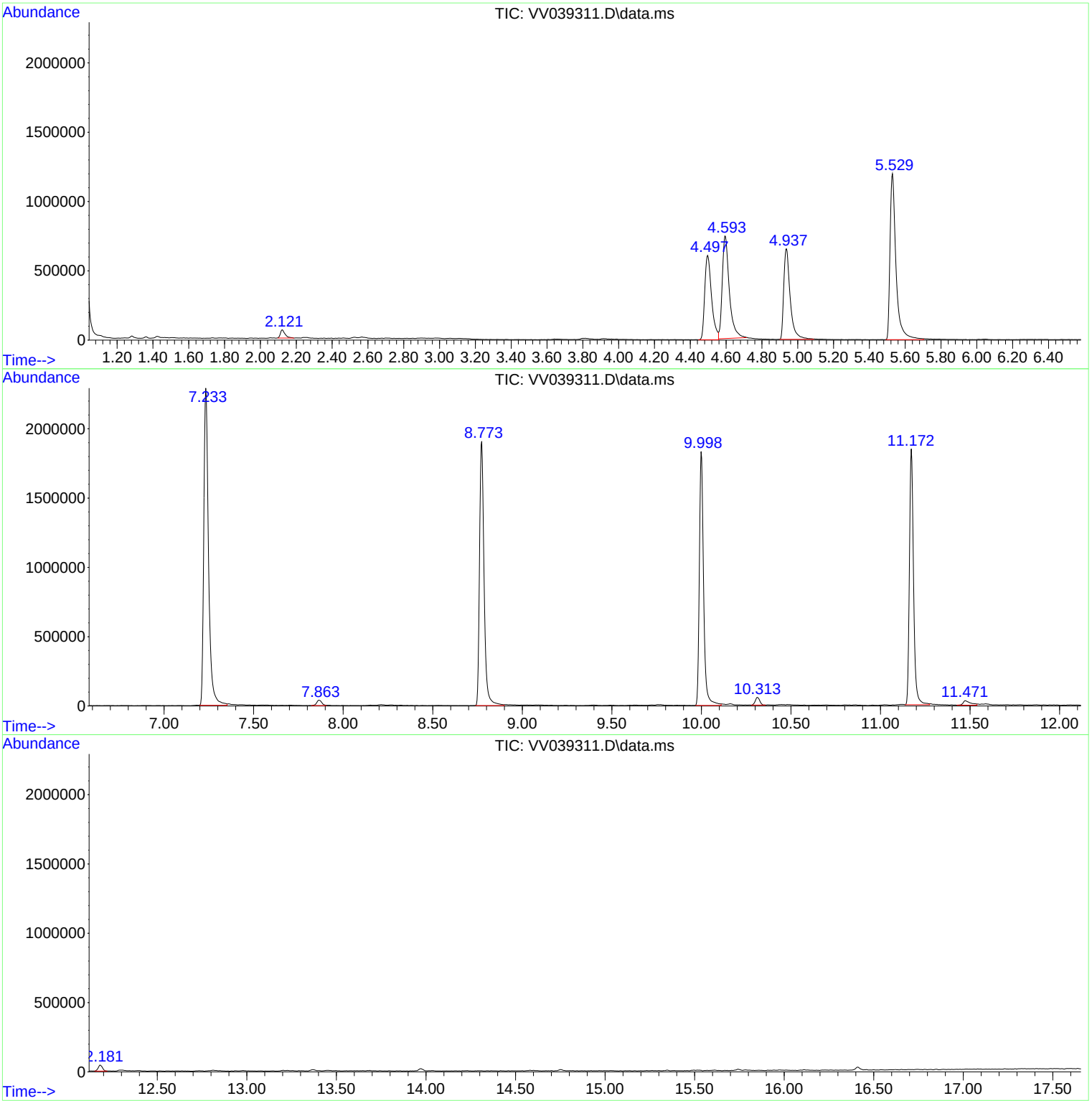
Sample Results: **VV039311.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039311.D
Acq On : 04 Nov 2025 13:49
Operator : SY/MD
Sample : Q3434-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV039311.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039311.D
Acq On : 04 Nov 2025 13:49
Operator : SY/MD
Sample : Q3434-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110425\
Data File : VV039311.D
Acq On : 04 Nov 2025 13:49
Operator : SY/MD
Sample : Q3434-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

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

Raw Data: **VV039313.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC2-20251022RE	SDG No.:	Q3434
Lab Sample ID:	Q3434-02RE	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:34	VV110425
74-87-3	Chloromethane	5.00	U	1	0.32	5.00	ug/L	11/04/25 14:34	VV110425
75-01-4	Vinyl Chloride	5.00	U	1	0.26	5.00	ug/L	11/04/25 14:34	VV110425
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/04/25 14:34	VV110425
75-00-3	Chloroethane	5.00	U	1	0.47	5.00	ug/L	11/04/25 14:34	VV110425
75-69-4	Trichlorofluoromethane	5.00	U	1	0.33	5.00	ug/L	11/04/25 14:34	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:34	VV110425
75-35-4	1,1-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:34	VV110425
67-64-1	Acetone	9.10	J	1	1.50	25.0	ug/L	11/04/25 14:34	VV110425
75-15-0	Carbon Disulfide	0.35	J	1	0.21	5.00	ug/L	11/04/25 14:34	VV110425
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
79-20-9	Methyl Acetate	5.00	U	1	0.27	5.00	ug/L	11/04/25 14:34	VV110425
75-09-2	Methylene Chloride	5.00	U	1	0.28	5.00	ug/L	11/04/25 14:34	VV110425
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:34	VV110425
75-34-3	1,1-Dichloroethane	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:34	VV110425
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/04/25 14:34	VV110425
78-93-3	2-Butanone	4.20	J	1	0.98	25.0	ug/L	11/04/25 14:34	VV110425
56-23-5	Carbon Tetrachloride	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:34	VV110425
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:34	VV110425
74-97-5	Bromochloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:34	VV110425
67-66-3	Chloroform	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:34	VV110425
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:34	VV110425
108-87-2	Methylcyclohexane	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
71-43-2	Benzene	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:34	VV110425
107-06-2	1,2-Dichloroethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:34	VV110425
79-01-6	Trichloroethene	5.00	U	1	0.090	5.00	ug/L	11/04/25 14:34	VV110425
78-87-5	1,2-Dichloropropane	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:34	VV110425
75-27-4	Bromodichloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:34	VV110425
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	0.68	25.0	ug/L	11/04/25 14:34	VV110425
108-88-3	Toluene	5.00	U	1	0.14	5.00	ug/L	11/04/25 14:34	VV110425
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.17	5.00	ug/L	11/04/25 14:34	VV110425
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.21	5.00	ug/L	11/04/25 14:34	VV110425
591-78-6	2-Hexanone	25.0	U	1	0.89	25.0	ug/L	11/04/25 14:34	VV110425
124-48-1	Dibromochloromethane	5.00	U	1	0.18	5.00	ug/L	11/04/25 14:34	VV110425
106-93-4	1,2-Dibromoethane	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:34	VV110425
127-18-4	Tetrachloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:34	VV110425
108-90-7	Chlorobenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:34	VV110425
100-41-4	Ethyl Benzene	5.00	U	1	0.13	5.00	ug/L	11/04/25 14:34	VV110425
179601-23-1	m/p-Xylenes	10.0	U	1	0.24	10.0	ug/L	11/04/25 14:34	VV110425
95-47-6	o-Xylene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:34	VV110425
100-42-5	Styrene	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:34	VV110425
75-25-2	Bromoform	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:34	VV110425

Raw Data: **VV039313.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	PR132-WC2-20251022RE	SDG No.:	Q3434
Lab Sample ID:	Q3434-02RE	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:34	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	0.26	5.00	ug/L	11/04/25 14:34	VV110425
541-73-1	1,3-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
106-46-7	1,4-Dichlorobenzene	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:34	VV110425
95-50-1	1,2-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:34	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	0.53	5.00	ug/L	11/04/25 14:34	VV110425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:34	VV110425
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:34	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	65.5	*		74 - 125	131%	SPK: 50		
1868-53-7	Dibromofluoromethane	57.7			75 - 124	115%	SPK: 50		
2037-26-5	Toluene-d8	53.8			86 - 113	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	58.3			77 - 121	117%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	632000							
540-36-3	1,4-Difluorobenzene	1130000							
3114-55-4	Chlorobenzene-d5	1080000							
3855-82-1	1,4-Dichlorobenzene-d4	493000							

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

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

Sample Results: **VV039313.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039313.D
Acq On : 04 Nov 2025 14:34
Operator : SY/MD
Sample : Q3434-02RE
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 05 00:37:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022RE

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	632494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1126953	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1080628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	492663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	588764	65.510	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 131.020%#			
35) Dibromofluoromethane	4.500	113	512576	57.725	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 115.460%			
50) Toluene-d8	7.236	98	1626339	53.838	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 107.680%			
62) 4-Bromofluorobenzene	10.001	95	627116	58.292	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 116.580%#			
Target Compounds						Qvalue
16) Acetone	2.124	43	79561	9.137	ug/l	96
17) Carbon Disulfide	2.256	76	8462	0.351	ug/l #	95
25) 2-Butanone	3.915	43	23215m	4.224	ug/l	

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

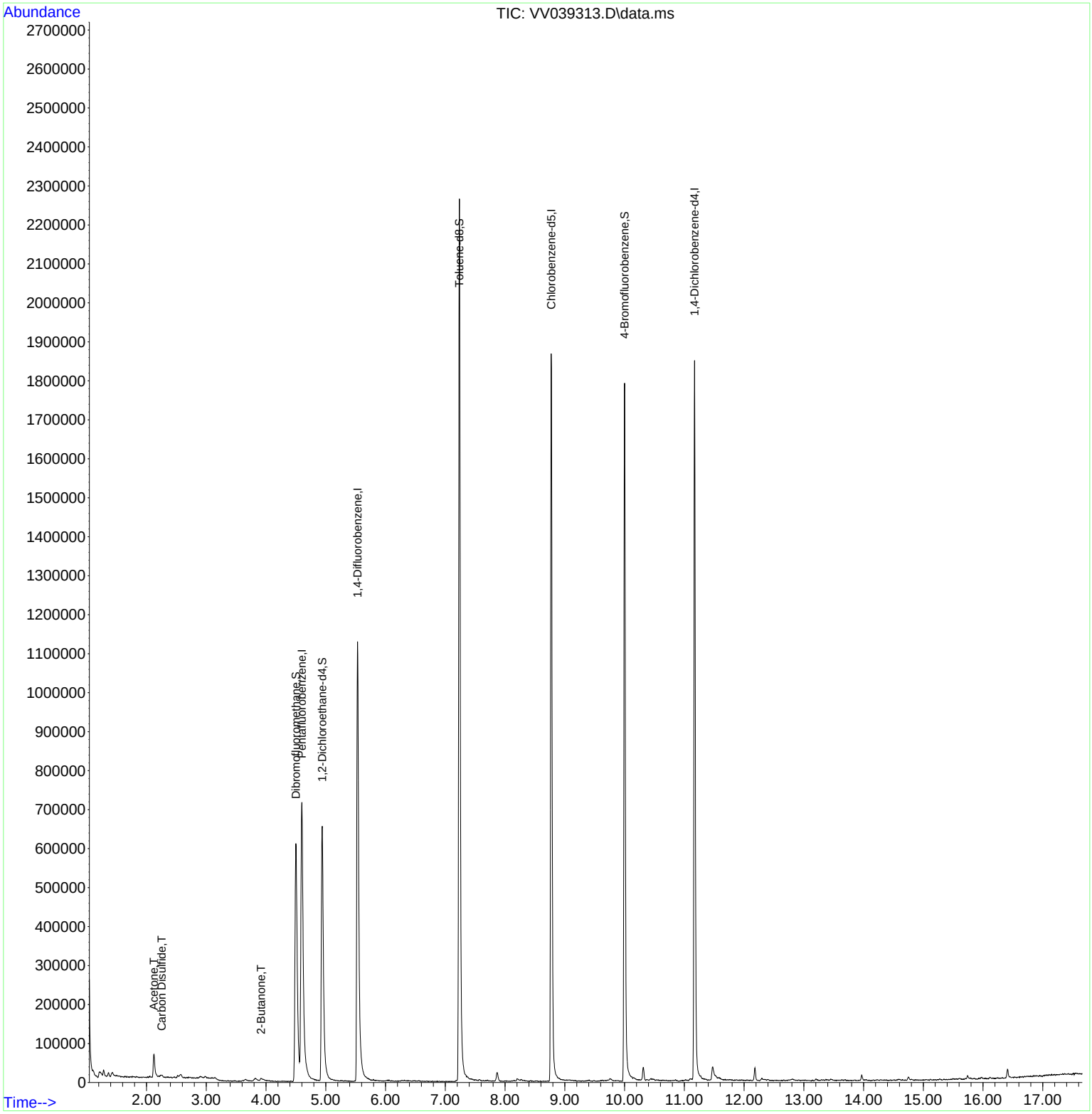
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039313.D
Acq On : 04 Nov 2025 14:34
Operator : SY/MD
Sample : Q3434-02RE
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

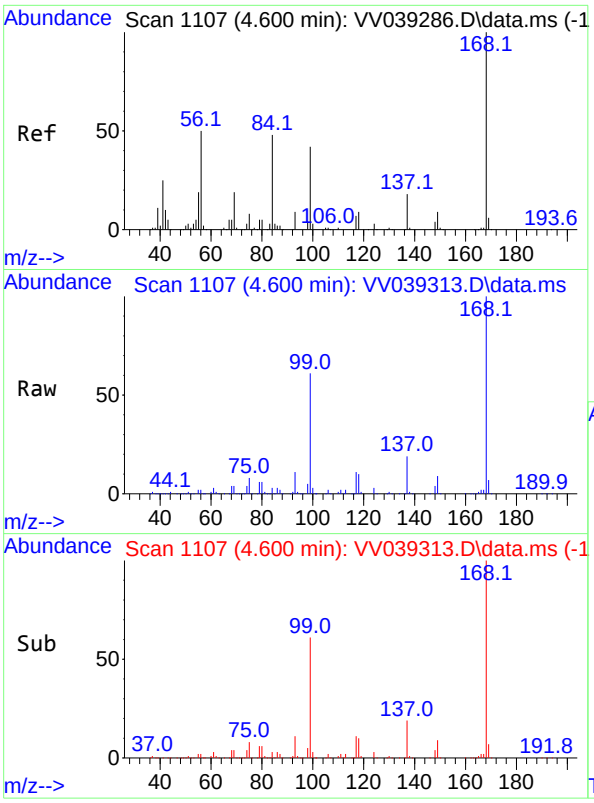
Quant Time: Nov 05 00:37:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022RE

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

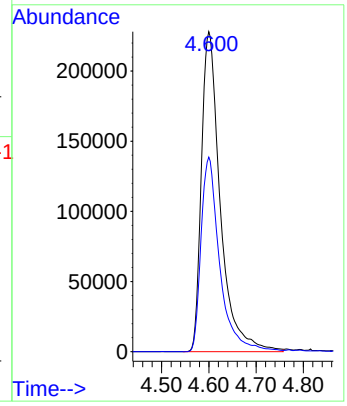




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion:168 Resp: 63249

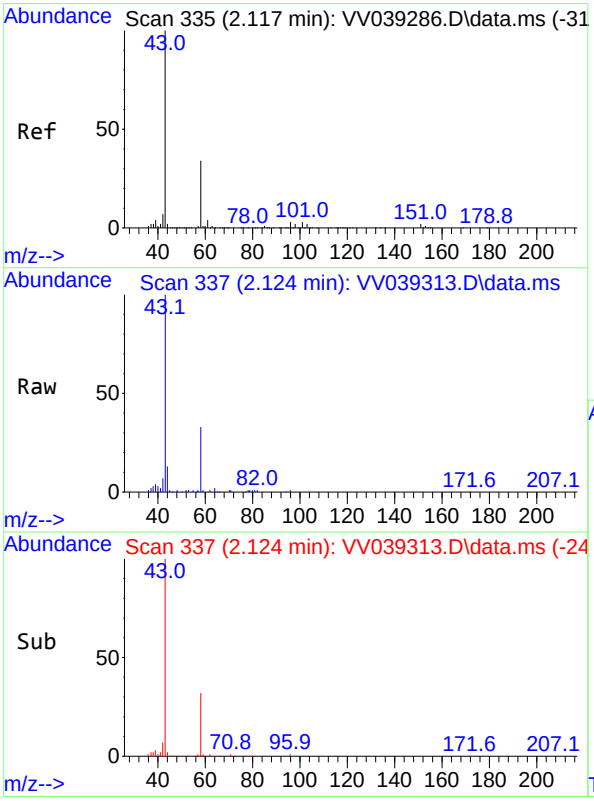
Ion	Ratio	Lower	Upper
168	100		
99	60.8	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022RE

Manual Integrations
APPROVED

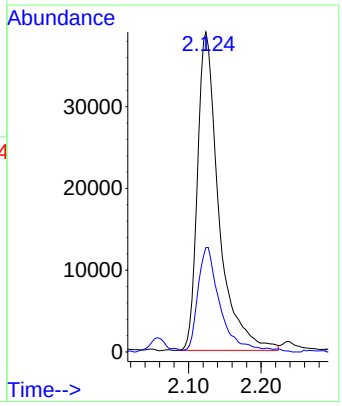
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

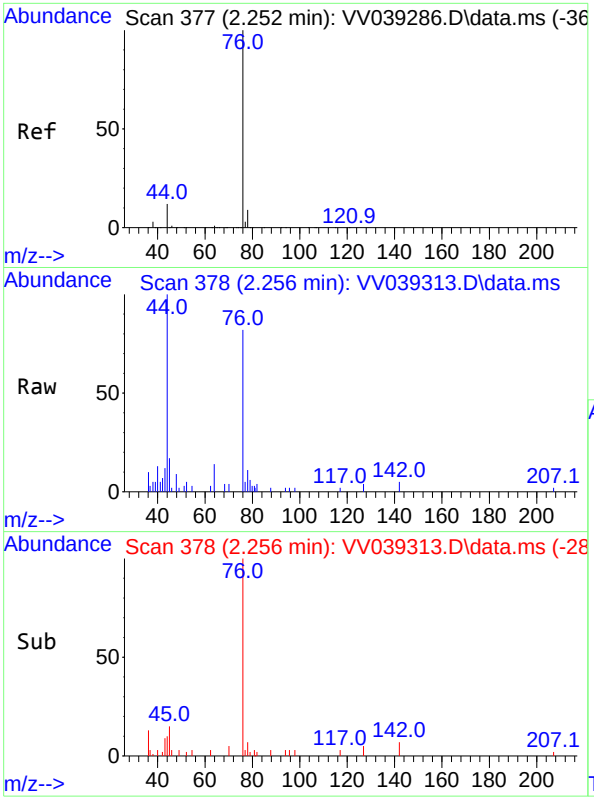


#16
Acetone
Concen: 9.137 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion: 43 Resp: 79561

Ion	Ratio	Lower	Upper
43	100		
58	31.9	27.5	41.3

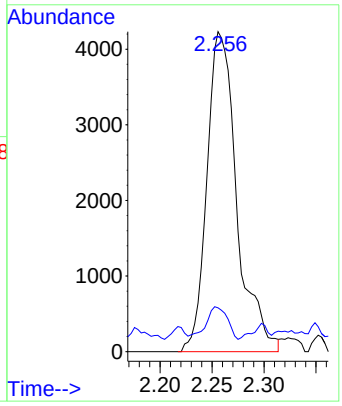




#17
Carbon Disulfide
Concen: 0.351 ug/l
RT: 2.256 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion: 76 Resp: 846

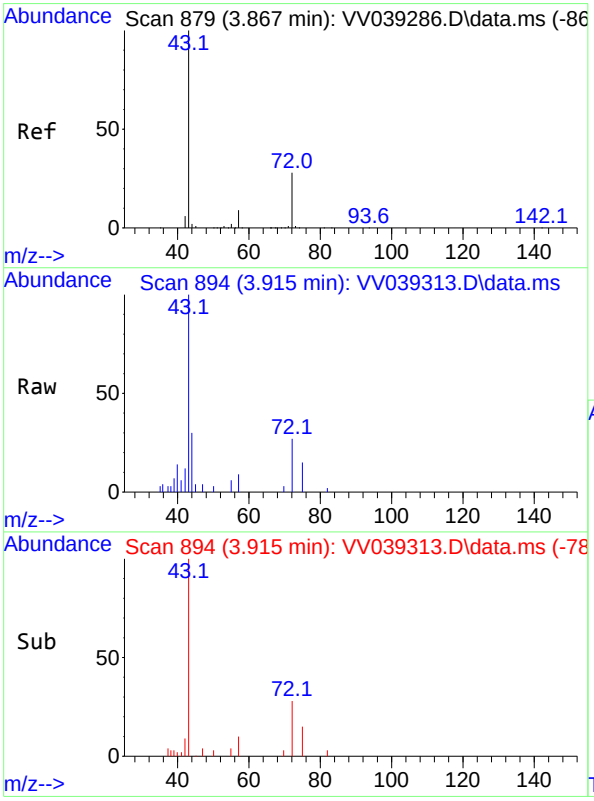
Ion	Ratio	Lower	Upper
76	100		
78	7.3	7.4	11.0#



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022RE

Manual Integrations
APPROVED

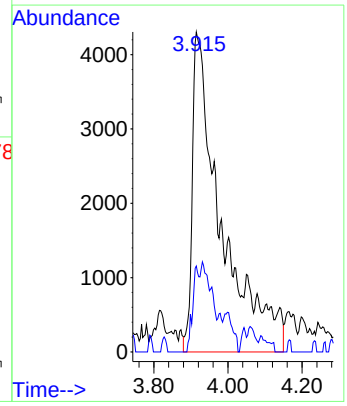
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

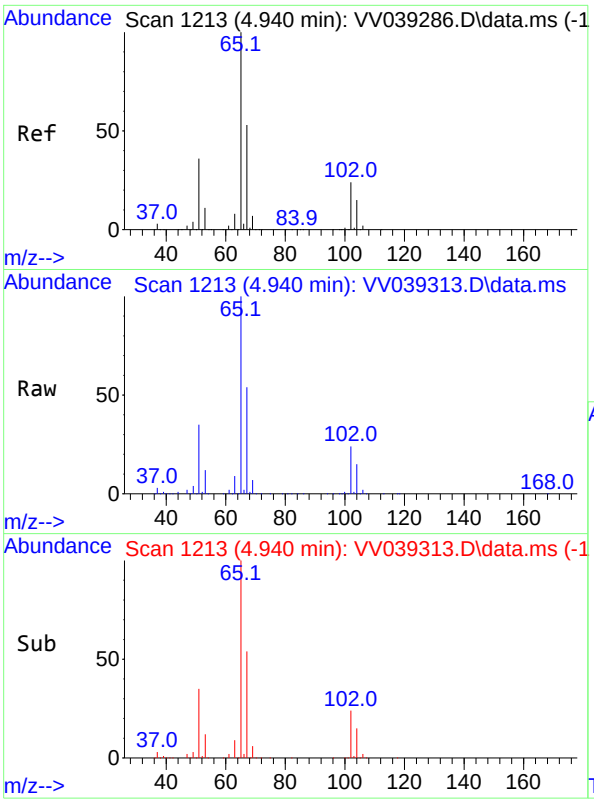


#25
2-Butanone
Concen: 4.224 ug/l m
RT: 3.915 min Scan# 894
Delta R.T. 0.048 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion: 43 Resp: 23215

Ion	Ratio	Lower	Upper
43	100		
72	26.9	22.6	34.0

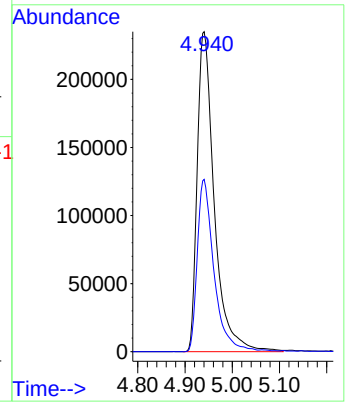




#33
1,2-Dichloroethane-d4
Concen: 65.510 ug/l
RT: 4.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion: 65 Resp: 58876

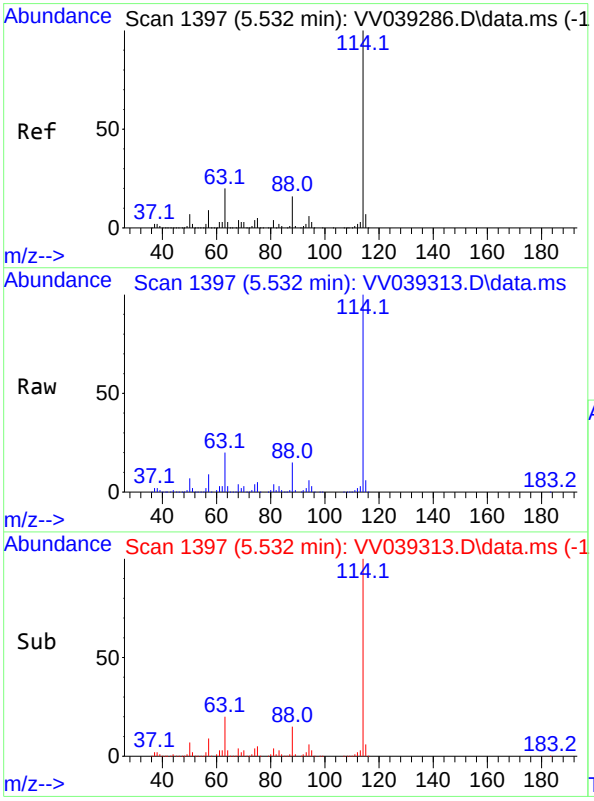
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	108.4



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022RE

Manual Integrations
APPROVED

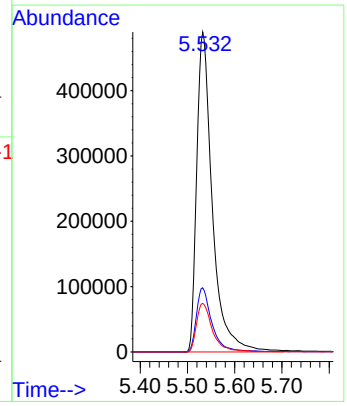
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

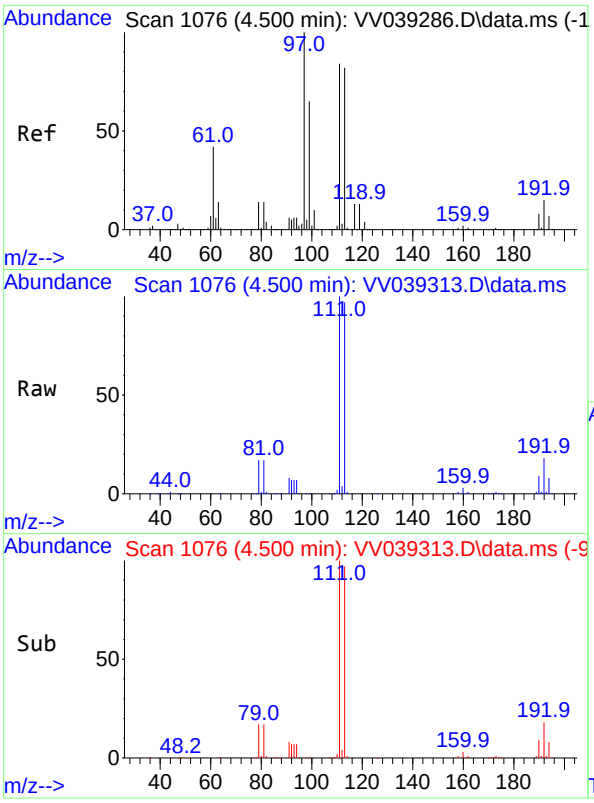


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion:114 Resp: 1126953

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.6
88	15.2	0.0	31.6

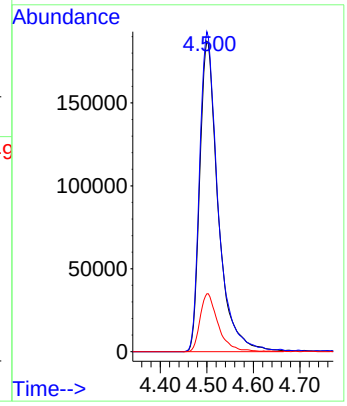




#35
Dibromofluoromethane
Concen: 57.725 ug/l
RT: 4.500 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion:113 Resp: 51257(

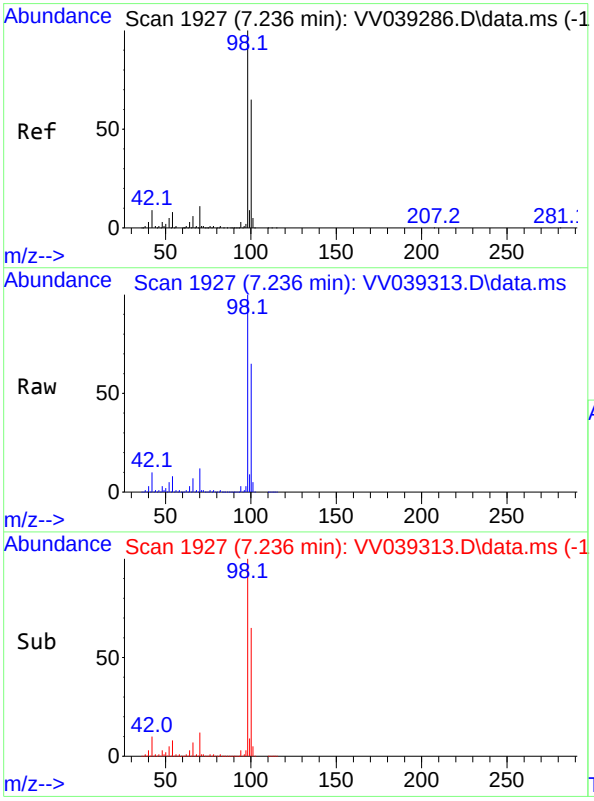
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	18.0	14.3	21.5



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022RE

Manual Integrations
APPROVED

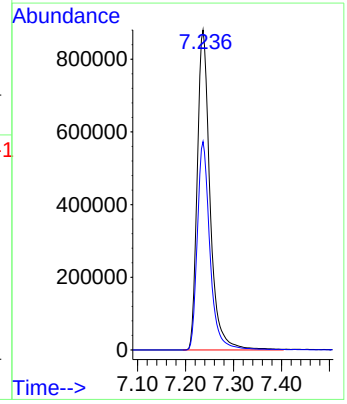
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

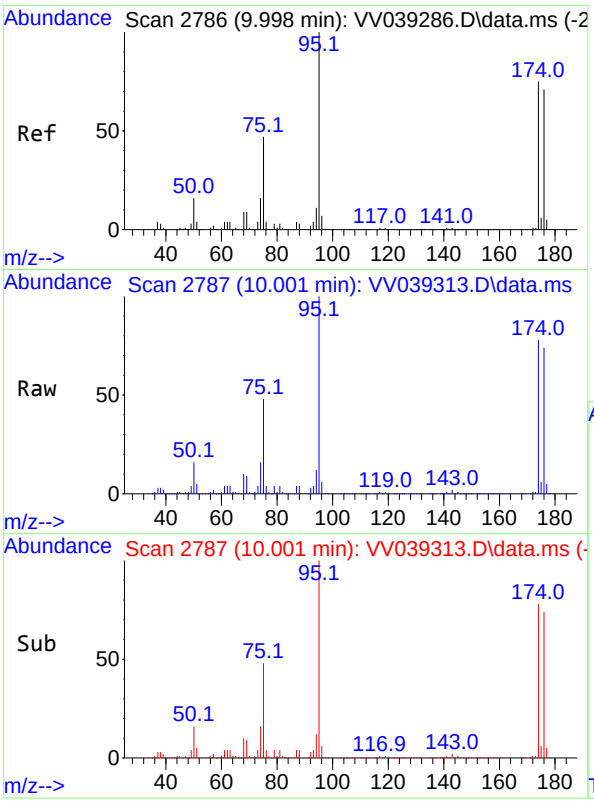


#50
Toluene-d8
Concen: 53.838 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion: 98 Resp: 1626339

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.8	79.2

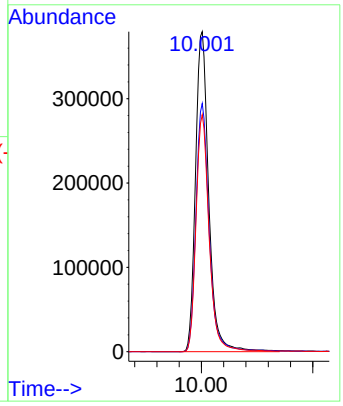




#62
4-Bromofluorobenzene
Concen: 58.292 ug/l
RT: 10.001 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion: 95 Resp: 62711

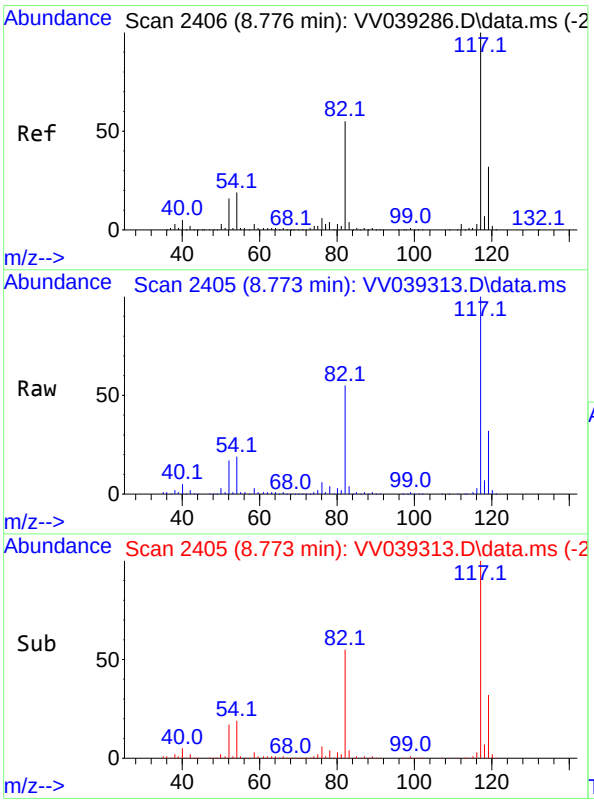
Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	153.6
176	72.9	0.0	146.0



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022RE

Manual Integrations
APPROVED

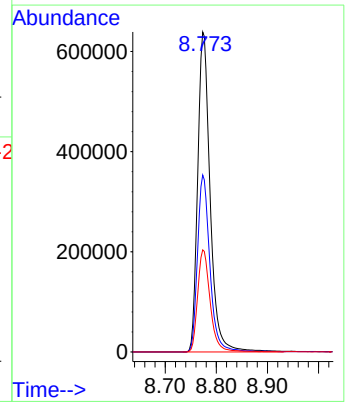
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

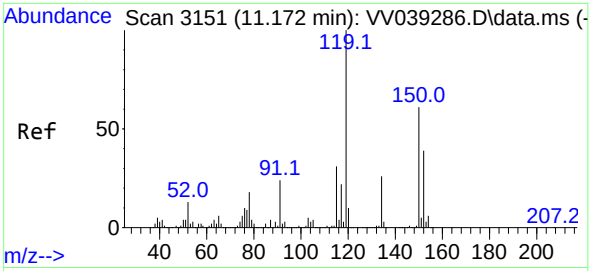


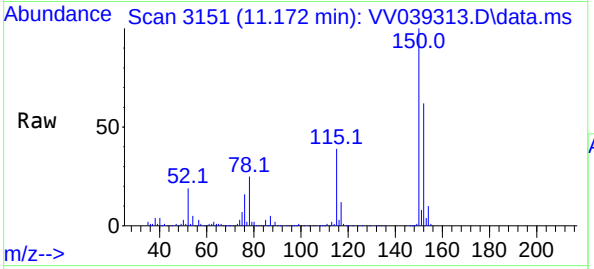
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

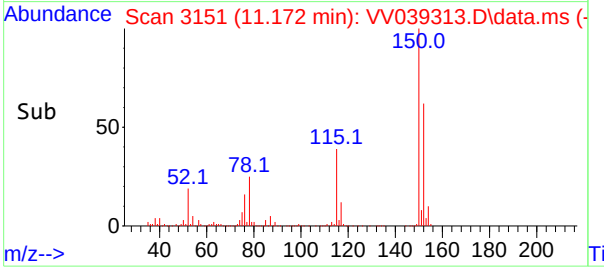
Tgt Ion:117 Resp: 1080628

Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.8	65.8
119	31.9	25.8	38.6





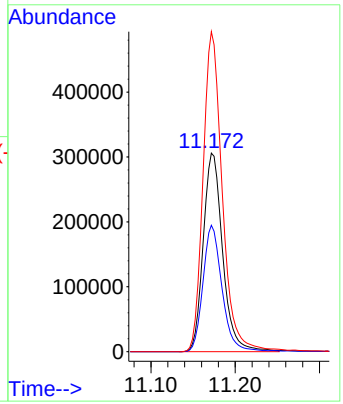




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039313.D
Acq: 04 Nov 2025 14:34

Tgt Ion:152 Resp: 49266

Ion	Ratio	Lower	Upper
152	100		
115	62.0	42.3	126.8
150	159.6	0.0	348.0



Instrument :
MSVOA_V
ClientSampleId :
PR132-WC2-20251022RE

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Raw Data: **VV039312.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	TB	SDG No.:	Q3434
Lab Sample ID:	Q3434-03	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:12	VV110425
74-87-3	Chloromethane	5.00	U	1	0.32	5.00	ug/L	11/04/25 14:12	VV110425
75-01-4	Vinyl Chloride	5.00	U	1	0.26	5.00	ug/L	11/04/25 14:12	VV110425
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/04/25 14:12	VV110425
75-00-3	Chloroethane	5.00	U	1	0.47	5.00	ug/L	11/04/25 14:12	VV110425
75-69-4	Trichlorofluoromethane	5.00	U	1	0.33	5.00	ug/L	11/04/25 14:12	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:12	VV110425
75-35-4	1,1-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:12	VV110425
67-64-1	Acetone	25.0	U	1	1.50	25.0	ug/L	11/04/25 14:12	VV110425
75-15-0	Carbon Disulfide	5.00	U	1	0.21	5.00	ug/L	11/04/25 14:12	VV110425
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
79-20-9	Methyl Acetate	5.00	U	1	0.27	5.00	ug/L	11/04/25 14:12	VV110425
75-09-2	Methylene Chloride	5.00	U	1	0.28	5.00	ug/L	11/04/25 14:12	VV110425
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:12	VV110425
75-34-3	1,1-Dichloroethane	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:12	VV110425
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/04/25 14:12	VV110425
78-93-3	2-Butanone	25.0	U	1	0.98	25.0	ug/L	11/04/25 14:12	VV110425
56-23-5	Carbon Tetrachloride	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:12	VV110425
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:12	VV110425
74-97-5	Bromochloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:12	VV110425
67-66-3	Chloroform	5.00	U	1	0.25	5.00	ug/L	11/04/25 14:12	VV110425
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:12	VV110425
108-87-2	Methylcyclohexane	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
71-43-2	Benzene	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:12	VV110425
107-06-2	1,2-Dichloroethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:12	VV110425
79-01-6	Trichloroethene	5.00	U	1	0.090	5.00	ug/L	11/04/25 14:12	VV110425
78-87-5	1,2-Dichloropropane	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:12	VV110425
75-27-4	Bromodichloromethane	5.00	U	1	0.22	5.00	ug/L	11/04/25 14:12	VV110425
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	0.68	25.0	ug/L	11/04/25 14:12	VV110425
108-88-3	Toluene	5.00	U	1	0.14	5.00	ug/L	11/04/25 14:12	VV110425
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.17	5.00	ug/L	11/04/25 14:12	VV110425
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.21	5.00	ug/L	11/04/25 14:12	VV110425
591-78-6	2-Hexanone	25.0	U	1	0.89	25.0	ug/L	11/04/25 14:12	VV110425
124-48-1	Dibromochloromethane	5.00	U	1	0.18	5.00	ug/L	11/04/25 14:12	VV110425
106-93-4	1,2-Dibromoethane	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:12	VV110425
127-18-4	Tetrachloroethene	5.00	U	1	0.23	5.00	ug/L	11/04/25 14:12	VV110425
108-90-7	Chlorobenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:12	VV110425
100-41-4	Ethyl Benzene	5.00	U	1	0.13	5.00	ug/L	11/04/25 14:12	VV110425
179601-23-1	m/p-Xylenes	10.0	U	1	0.24	10.0	ug/L	11/04/25 14:12	VV110425
95-47-6	o-Xylene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:12	VV110425
100-42-5	Styrene	5.00	U	1	0.15	5.00	ug/L	11/04/25 14:12	VV110425
75-25-2	Bromoform	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:12	VV110425

Raw Data: **VV039312.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/22/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/22/25
Client Sample ID:	TB	SDG No.:	Q3434
Lab Sample ID:	Q3434-03	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.12	5.00	ug/L	11/04/25 14:12	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	0.26	5.00	ug/L	11/04/25 14:12	VV110425
541-73-1	1,3-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
106-46-7	1,4-Dichlorobenzene	5.00	U	1	0.19	5.00	ug/L	11/04/25 14:12	VV110425
95-50-1	1,2-Dichlorobenzene	5.00	U	1	0.16	5.00	ug/L	11/04/25 14:12	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	0.53	5.00	ug/L	11/04/25 14:12	VV110425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:12	VV110425
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	0.20	5.00	ug/L	11/04/25 14:12	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.2			74 - 125	124%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.9			75 - 124	106%	SPK: 50		
2037-26-5	Toluene-d8	48.8			86 - 113	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.6			77 - 121	103%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	660000							
540-36-3	1,4-Difluorobenzene	1220000							
3114-55-4	Chlorobenzene-d5	1160000							
3855-82-1	1,4-Dichlorobenzene-d4	512000							

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_V\DATA\VV110425\
Data File : VV039312.D
Acq On : 04 Nov 2025 14:12
Operator : SY/MD
Sample : Q3434-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Time: Nov 05 00:37:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

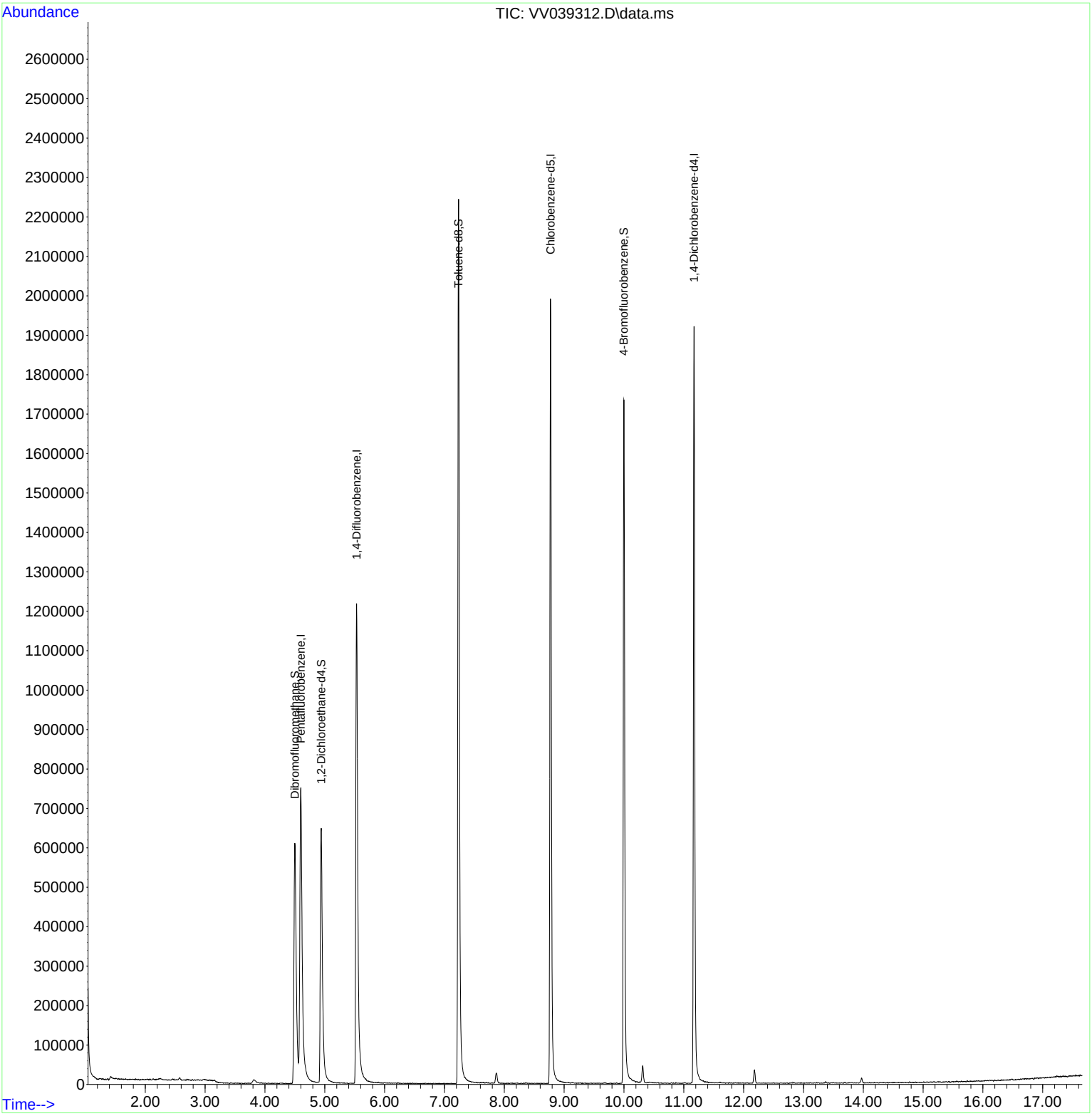
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	659982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1223717	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1158276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	511635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	583542	62.225	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 124.440%#			
35) Dibromofluoromethane	4.500	113	510064	52.900	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 105.800%			
50) Toluene-d8	7.236	98	1602221	48.846	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 97.700%			
62) 4-Bromofluorobenzene	9.998	95	602736	51.595	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 103.200%			
Target Compounds						Qvalue

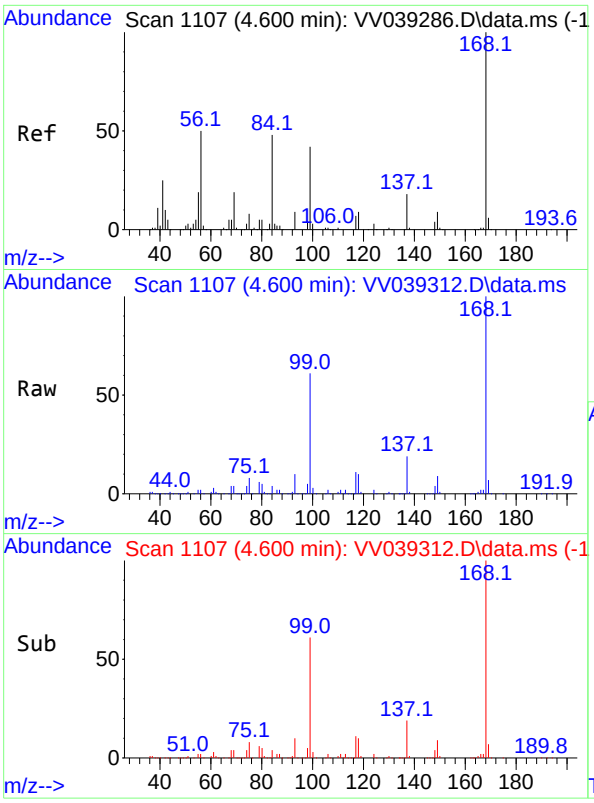
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039312.D
Acq On : 04 Nov 2025 14:12
Operator : SY/MD
Sample : Q3434-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Time: Nov 05 00:37:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



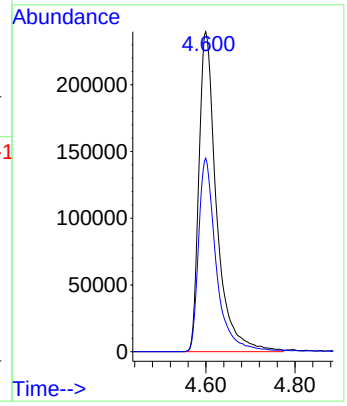


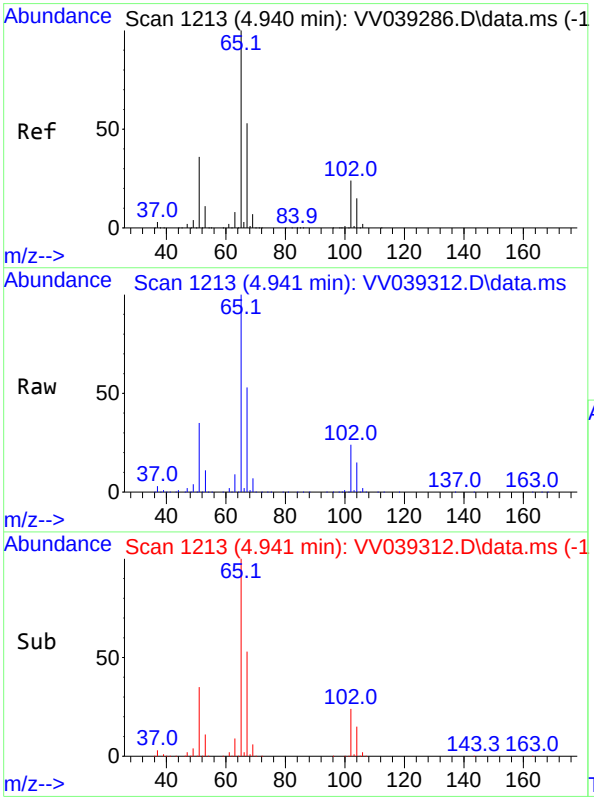
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:168 Resp: 659982

Ion	Ratio	Lower	Upper
168	100		
99	60.5	46.6	70.0

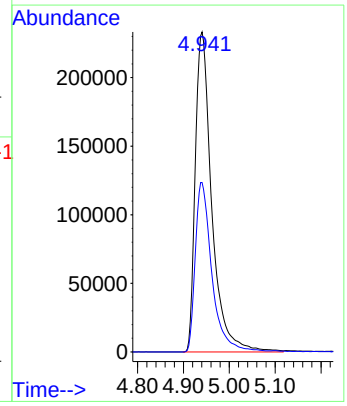


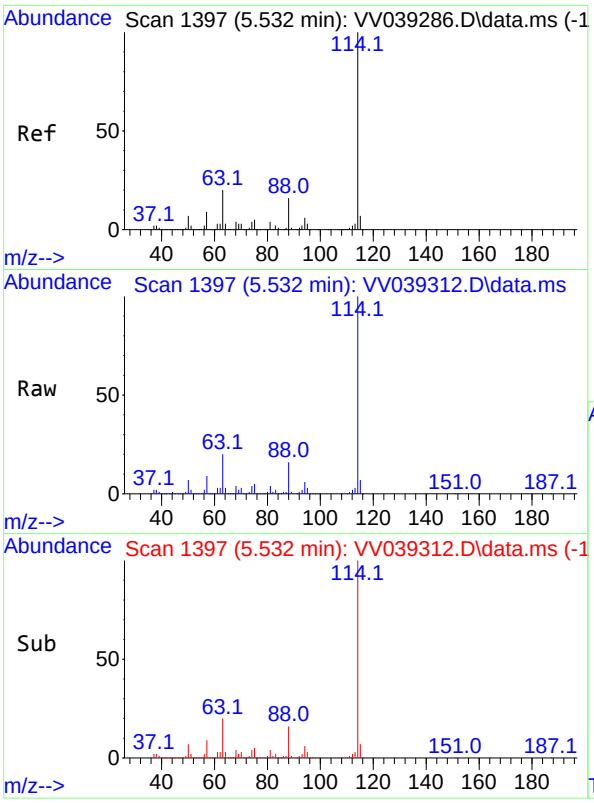


#33
1,2-Dichloroethane-d4
Concen: 62.225 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Tgt Ion: 65 Resp: 583542

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.4



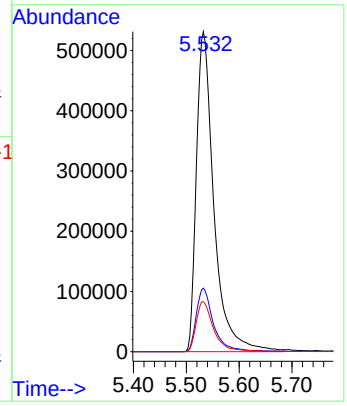


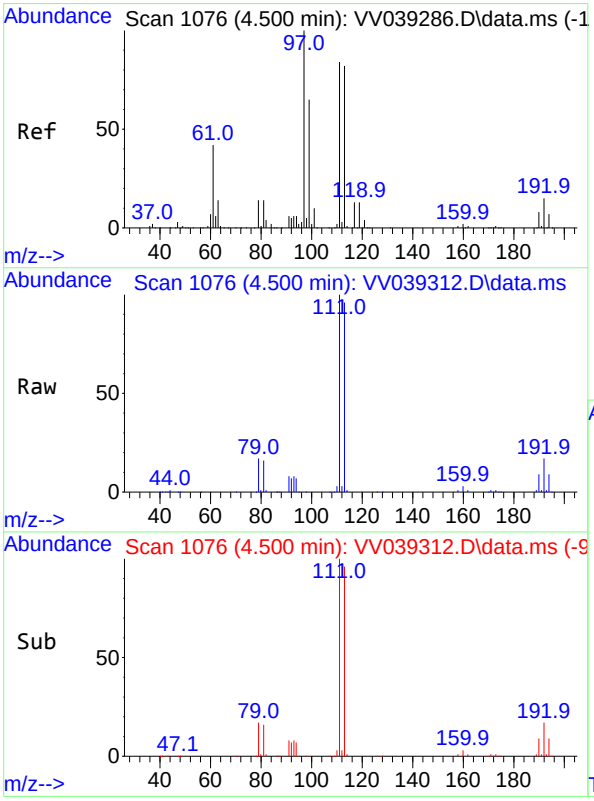
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:114 Resp: 1223717

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.6	0.0	31.6

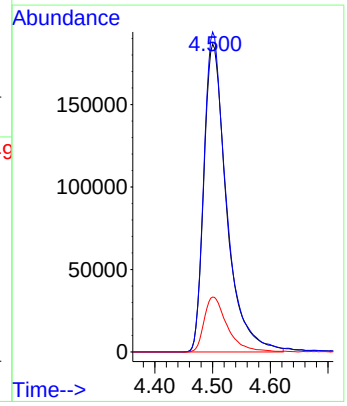


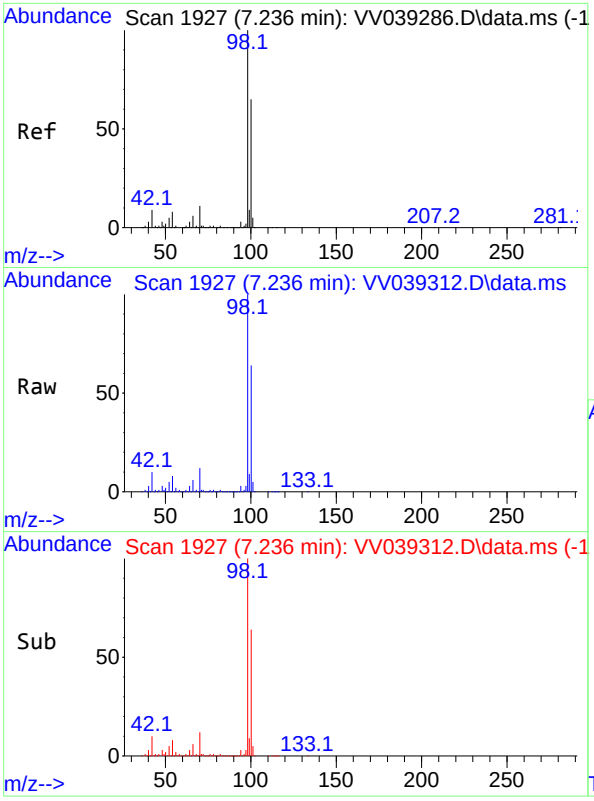


#35
Dibromofluoromethane
Concen: 52.900 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Tgt Ion:113 Resp: 510064

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.0	123.0
192	18.2	14.3	21.5



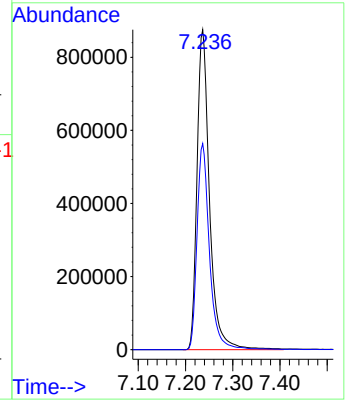


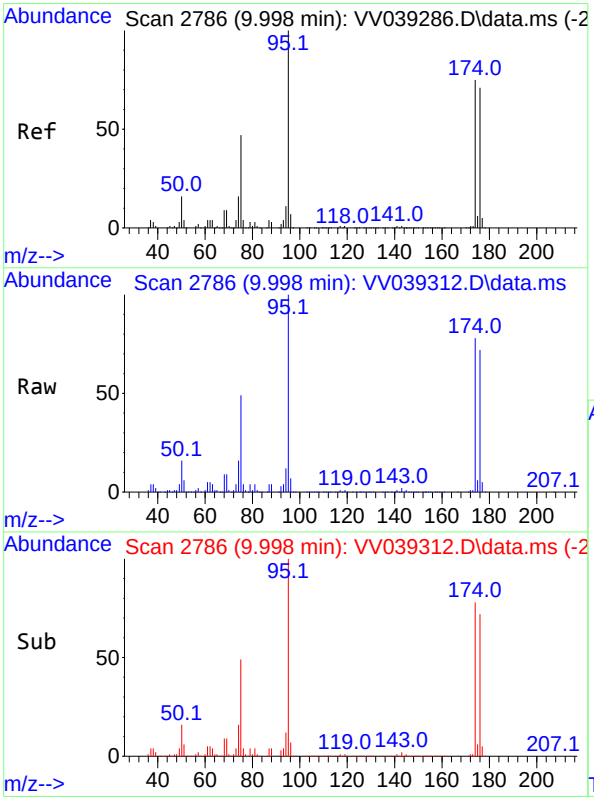
#50
Toluene-d8
Concen: 48.846 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion: 98 Resp: 1602221

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.8	79.2

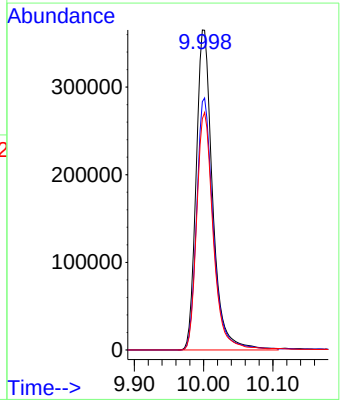


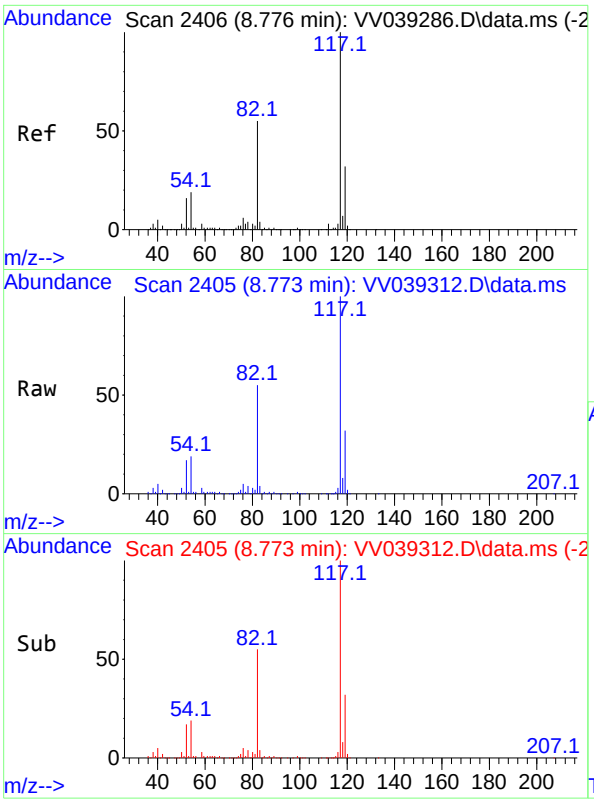


#62
4-Bromofluorobenzene
Concen: 51.595 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Tgt Ion: 95 Resp: 602736

Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	153.6
176	74.5	0.0	146.0



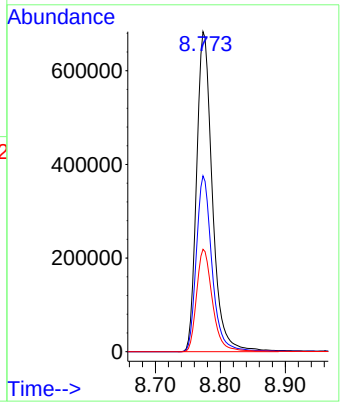


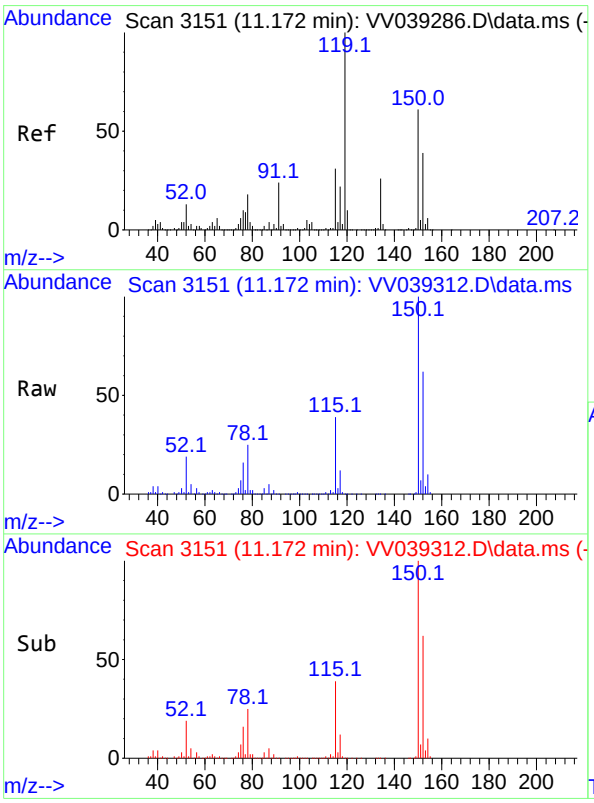
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:117 Resp: 1158276

Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.8	65.8
119	32.0	25.8	38.6

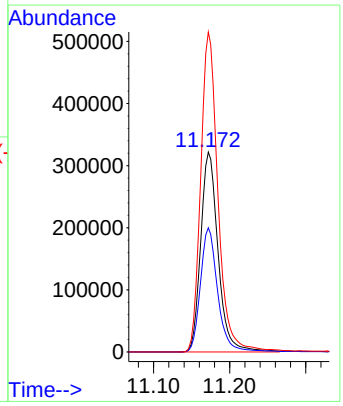




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039312.D
Acq: 04 Nov 2025 14:12

Tgt Ion:152 Resp: 511635

Ion	Ratio	Lower	Upper
152	100		
115	61.6	42.3	126.8
150	159.4	0.0	348.0



Sample Results: **VV039312.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039312.D
Acq On : 04 Nov 2025 14:12
Operator : SY/MD
Sample : Q3434-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.500	1061	1076	1095	rBV2	609455	1593628	38.69%	7.346%
2	4.600	1095	1107	1144	rVB	737757	2006323	48.71%	9.249%
3	4.941	1201	1213	1253	rBV	643706	1602667	38.91%	7.388%
4	5.532	1385	1397	1428	rBV	1216434	2795981	67.88%	12.889%
5	7.236	1913	1927	1958	rBV	2243524	4118935	100.00%	18.987%
6	7.870	2113	2124	2136	rVB3	25672	50031	1.21%	0.231%
7	8.773	2394	2405	2441	rBV	1989875	3409189	82.77%	15.715%
8	9.998	2774	2786	2817	rBV	1733839	2911642	70.69%	13.422%
9	10.313	2870	2884	2897	rVB3	43030	77822	1.89%	0.359%
10	11.172	3140	3151	3182	rBV	1917967	3071014	74.56%	14.157%
11	12.181	3453	3465	3476	rBV	33579	55987	1.36%	0.258%

Sum of corrected areas: 21693219

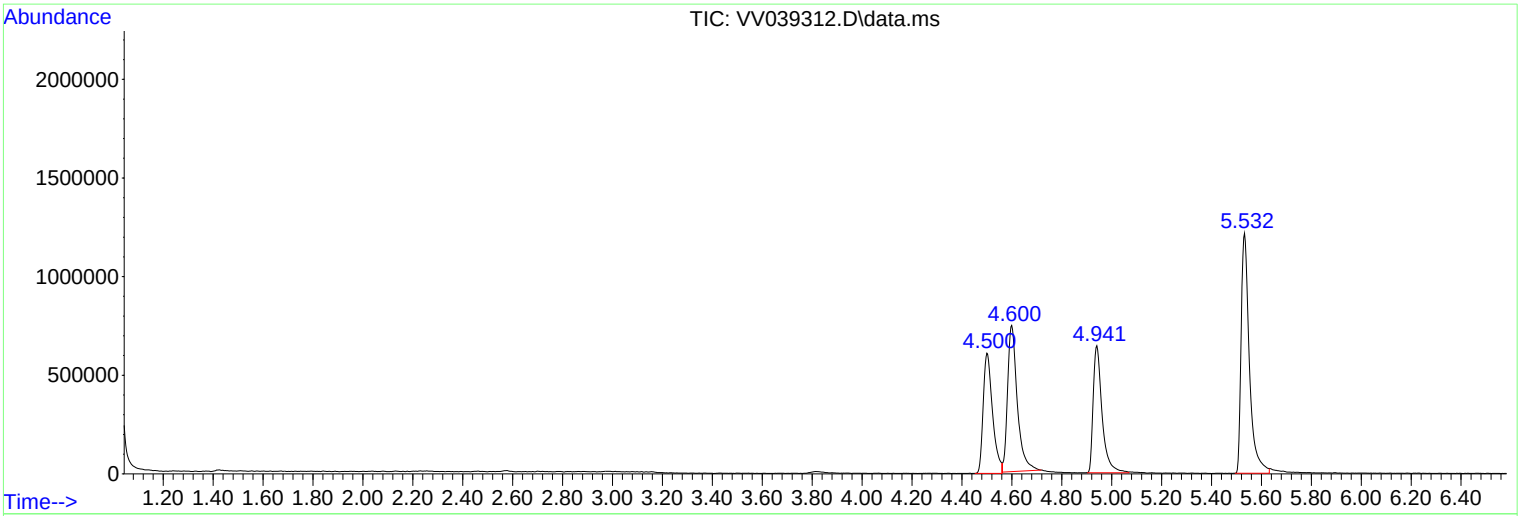
Sample Results: **VV039312.D**

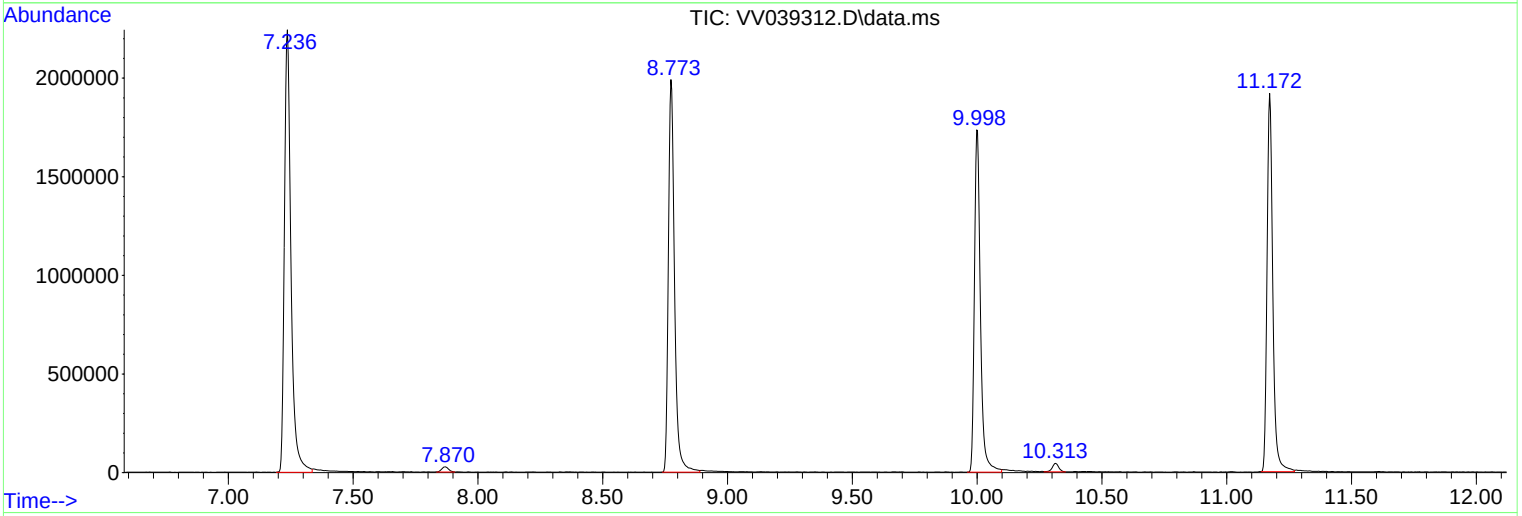
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039312.D
Acq On : 04 Nov 2025 14:12
Operator : SY/MD
Sample : Q3434-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

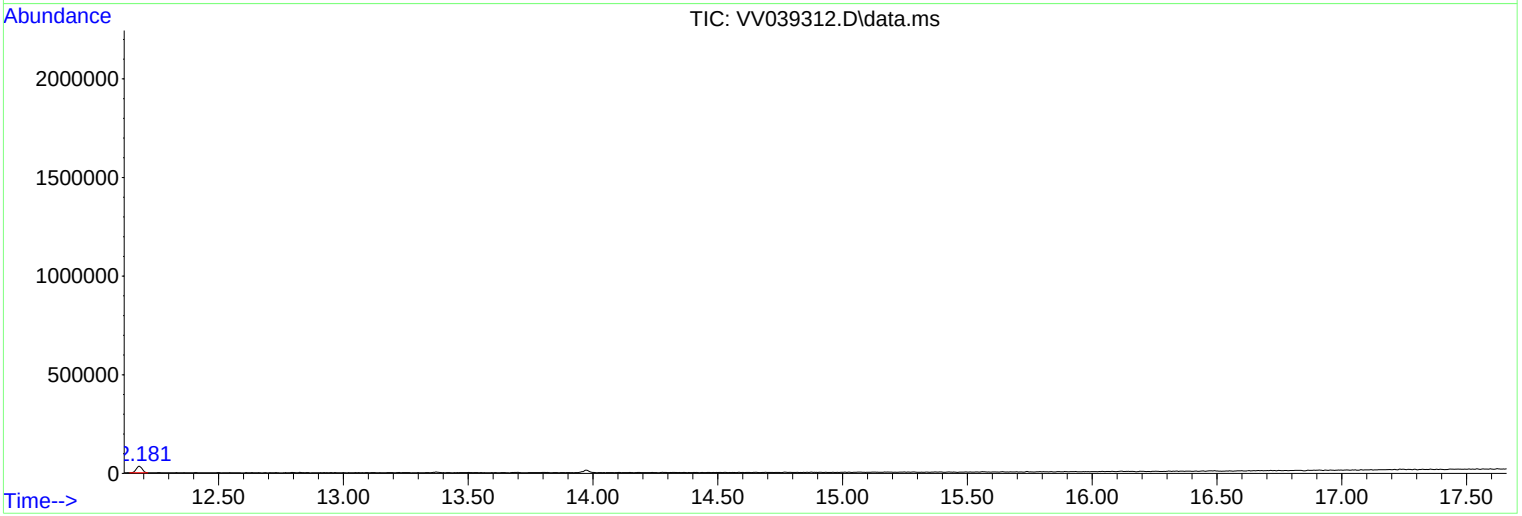
Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VV039312.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039312.D
Acq On : 04 Nov 2025 14:12
Operator : SY/MD
Sample : Q3434-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110425\
Data File : VV039312.D
Acq On : 04 Nov 2025 14:12
Operator : SY/MD
Sample : Q3434-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3434

Instrument ID: MSVOA_V Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 11:32

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

LAB FILE ID: RRF001 = VV039282.D RRF005 = VV039283.D RRF010 = VV039284.D
RRF020 = VV039285.D RRF050 = VV039286.D RRF100 = VV039287.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.626	0.584	0.740	0.647	0.598	0.596	0.632	9.2
Chloromethane	0.732	0.659	0.754	0.629	0.588	0.586	0.658	10.8
Vinyl Chloride	0.863	0.761	0.827	0.720	0.666	0.666	0.751	11
Bromomethane		0.539	0.582	0.478	0.421	0.416	0.487	14.9
Chloroethane	0.693	0.540	0.519	0.470	0.419	0.403	0.507	20.9
Trichlorofluoromethane	1.374	1.185	1.258	1.095	0.992	0.976	1.147	13.6
1,1,2-Trichlorotrifluoroethane	0.800	0.726	0.754	0.655	0.597	0.588	0.687	12.7
1,1-Dichloroethene	0.846	0.713	0.711	0.637	0.569	0.570	0.674	15.6
Acetone	0.585	0.406	0.420	0.355	0.339	0.321	0.404	23.8
Carbon Disulfide	2.560	1.934	2.027	1.751	1.589	1.565	1.904	19.4
Methyl tert-butyl Ether	2.377	2.087	2.168	1.923	1.798	1.822	2.029	11
Methyl Acetate	1.062	0.818	1.044	0.928	0.828	0.843	0.921	11.9
Methylene Chloride	1.144	0.831	0.798	0.715	0.627	0.616	0.788	24.7
trans-1,2-Dichloroethene	0.929	0.742	0.755	0.654	0.592	0.587	0.710	18.1
1,1-Dichloroethane	1.599	1.384	1.378	1.195	1.092	1.066	1.286	15.9
Cyclohexane		0.999	1.004	0.908	0.872	0.899	0.936	6.5
2-Butanone	0.431	0.404	0.467	0.442	0.427	0.435	0.434	4.7
Carbon Tetrachloride	0.613	0.635	0.667	0.598	0.556	0.548	0.603	7.6
cis-1,2-Dichloroethene	0.808	0.727	0.733	0.657	0.656	0.683	0.711	8.2
Bromochloromethane	0.608	0.606	0.568	0.561	0.490	0.456	0.548	11.4
Chloroform	1.560	1.417	1.409	1.249	1.120	1.109	1.311	13.8
1,1,1-Trichloroethane	1.362	1.212	1.234	1.087	1.002	0.981	1.146	12.9
Methylcyclohexane	0.575	0.501	0.565	0.537	0.588	0.628	0.566	7.7
Benzene	1.579	1.604	1.727	1.588	1.523	1.505	1.588	4.9
1,2-Dichloroethane	0.647	0.565	0.604	0.537	0.501	0.490	0.557	10.9
Trichloroethene	0.424	0.398	0.425	0.395	0.377	0.377	0.399	5.3
1,2-Dichloropropane	0.405	0.354	0.419	0.385	0.381	0.374	0.386	5.9
Bromodichloromethane	0.687	0.668	0.688	0.623	0.583	0.570	0.636	8.2
4-Methyl-2-Pentanone	0.435	0.470	0.598	0.567	0.544	0.543	0.526	11.6
Toluene	0.815	0.927	1.070	1.000	0.971	0.969	0.959	8.9

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG No.: Q3434

Instrument ID: MSVOA_V | Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:40 11:32

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

LAB FILE ID: RRF001 = VV039282.D RRF005 = VV039283.D RRF010 = VV039284.D
RRF020 = VV039285.D RRF050 = VV039286.D RRF100 = VV039287.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.490	0.542	0.601	0.556	0.562	0.586	0.556	7
cis-1,3-Dichloropropene	0.570	0.593	0.671	0.627	0.622	0.626	0.618	5.5
1,1,2-Trichloroethane	0.482	0.428	0.471	0.428	0.400	0.389	0.433	8.6
2-Hexanone	0.318	0.322	0.427	0.425	0.414	0.411	0.386	13.4
Dibromochloromethane	0.541	0.519	0.551	0.496	0.469	0.461	0.506	7.3
1,2-Dibromoethane	0.447	0.449	0.507	0.450	0.427	0.424	0.451	6.6
Tetrachloroethene	0.390	0.361	0.378	0.370	0.344	0.346	0.365	4.9
Chlorobenzene	1.250	1.185	1.276	1.145	1.116	1.130	1.184	5.6
Ethyl Benzene	1.587	1.545	1.798	1.730	1.866	1.936	1.744	8.9
m/p-Xylenes	0.566	0.569	0.747	0.733	0.764	0.770	0.692	14
o-Xylene	0.523	0.514	0.618	0.610	0.682	0.719	0.611	13.5
Styrene	0.839	0.851	1.117	1.170	1.258	1.285	1.087	18.1
Bromoform	0.379	0.356	0.377	0.354	0.340	0.345	0.359	4.5
Isopropylbenzene	2.745	2.655	3.119	3.050	3.242	3.406	3.036	9.5
1,1,2,2-Tetrachloroethane	1.854	1.451	1.444	1.260	1.180	1.177	1.394	18.4
1,3-Dichlorobenzene	1.658	1.624	1.817	1.650	1.612	1.628	1.665	4.6
1,4-Dichlorobenzene	2.208	1.889	1.962	1.769	1.693	1.659	1.863	11
1,2-Dichlorobenzene	1.765	1.522	1.652	1.498	1.516	1.549	1.584	6.6
1,2-Dibromo-3-Chloropropane	0.373	0.287	0.288	0.258	0.249	0.265	0.287	15.7
1,2,4-Trichlorobenzene	0.880	0.774	0.880	0.839	0.926	1.000	0.883	8.7
1,2,3-Trichlorobenzene	0.919	0.792	0.929	0.883	0.956	1.028	0.918	8.5
1,2-Dichloroethane-d4		0.720	0.759	0.757	0.659	0.657	0.710	7.1
Dibromofluoromethane		0.391	0.408	0.427	0.377	0.367	0.394	6
Toluene-d8		1.121	1.394	1.491	1.353	1.342	1.340	10.2
4-Bromofluorobenzene		0.396	0.473	0.519	0.498	0.500	0.477	10.1

* 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_V

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : 82V100725W.M
Title : SW846 8260
Last Update : Wed Oct 08 05:01:26 2025
Response Via : Initial Calibration

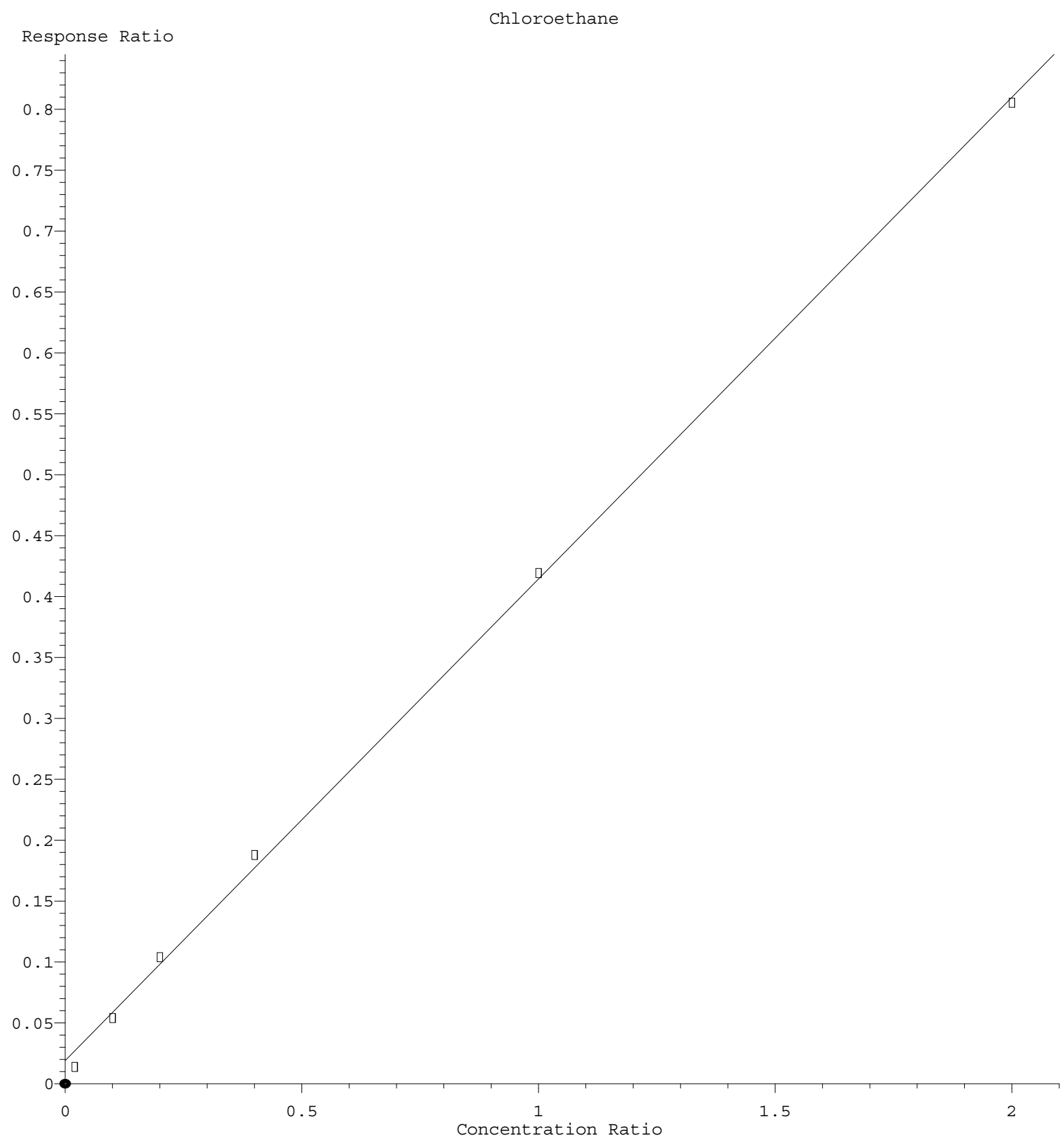
Calibration Files
1 =VV039282.D 5 =VV039283.D 10 =VV039284.D 20 =VV039285.D 50 =VV039286.D 100 =VV039287.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.626	0.584	0.740	0.647	0.598	0.596	0.632	9.17
3)	P	Chloromethane	0.732	0.659	0.754	0.629	0.588	0.586	0.658	10.84
4)	C	Vinyl Chloride	0.863	0.761	0.827	0.720	0.666	0.666	0.751	10.97#
5)	T	Bromomethane		0.539	0.582	0.478	0.421	0.416	0.487	14.91
6)	T	Chloroethane	0.693	0.540	0.519	0.470	0.419	0.403	0.507	20.85
7)	T	Trichlorofluor...	1.374	1.185	1.258	1.095	0.992	0.976	1.147	13.57
8)	T	Diethyl Ether	0.502	0.436	0.440	0.382	0.361	0.367	0.414	13.18
9)	T	1,1,2-Trichlor...	0.800	0.726	0.754	0.655	0.597	0.588	0.687	12.67
10)	T	Methyl Iodide		0.478	0.563	0.595	0.636	0.686	0.592	13.27
11)	T	Tert butyl alc...		0.155	0.157	0.139	0.120	0.119	0.138	13.30
12)	CM	1,1-Dichloroet...	0.846	0.713	0.711	0.637	0.569	0.570	0.674	15.63#
13)	T	Acrolein		0.128	0.083	0.085	0.075	0.080	0.090	23.76
14)	T	Allyl chloride	1.285	1.122	1.135	1.002	0.930	0.939	1.069	12.85
15)	T	Acrylonitrile	0.523	0.423	0.434	0.380	0.344	0.346	0.408	16.56
16)	T	Acetone	0.585	0.406	0.420	0.355	0.339	0.321	0.404	23.81
17)	T	Carbon Disulfide	2.560	1.934	2.027	1.751	1.589	1.565	1.904	19.43
18)	T	Methyl Acetate	1.062	0.818	1.044	0.928	0.828	0.843	0.921	11.94
19)	T	Methyl tert-bu...	2.377	2.087	2.168	1.923	1.798	1.822	2.029	11.04
20)	T	Methylene Chlo...	1.144	0.831	0.798	0.715	0.627	0.616	0.788	24.70
21)	T	trans-1,2-Dich...	0.929	0.742	0.755	0.654	0.592	0.587	0.710	18.15
22)	T	Diisopropyl ether	2.024	1.935	2.102	1.896	1.781	1.776	1.919	6.78
23)	T	Vinyl Acetate	1.820	1.723	1.812	1.642	1.557	1.554	1.685	7.08
24)	P	1,1-Dichloroet...	1.599	1.384	1.378	1.195	1.092	1.066	1.286	15.95
25)	T	2-Butanone	0.431	0.404	0.467	0.442	0.427	0.435	0.434	4.70
26)	T	2,2-Dichloropr...	1.269	1.042	1.104	0.965	0.915	0.917	1.035	13.14
27)	T	cis-1,2-Dichlo...	0.808	0.727	0.733	0.657	0.656	0.683	0.711	8.15
28)	T	Bromochloromet...	0.608	0.606	0.568	0.561	0.490	0.456	0.548	11.35
29)	T	Tetrahydrofuran	0.311	0.236	0.291	0.280	0.269	0.280	0.278	9.04
30)	C	Chloroform	1.560	1.417	1.409	1.249	1.120	1.109	1.311	13.81#
31)	T	Cyclohexane		0.999	1.004	0.908	0.872	0.899	0.936	6.53
32)	T	1,1,1-Trichlor...	1.362	1.212	1.234	1.087	1.002	0.981	1.146	12.95
33)	S	1,2-Dichloroet...		0.720	0.759	0.757	0.659	0.657	0.710	7.05
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.391	0.408	0.427	0.377	0.367	0.394	6.03
36)	T	1,1-Dichloropr...	0.537	0.477	0.513	0.486	0.475	0.481	0.495	5.05
37)	T	Ethyl Acetate	0.651	0.609	0.613	0.555	0.522	0.526	0.579	9.10
38)	T	Carbon Tetrach...	0.613	0.635	0.667	0.598	0.556	0.548	0.603	7.58
39)	T	Methylcyclohexane	0.575	0.501	0.565	0.537	0.588	0.628	0.566	7.67
40)	TM	Benzene	1.579	1.604	1.727	1.587	1.523	1.505	1.588	4.94
41)	T	Methacrylonitrile	0.129	0.174	0.220	0.222	0.240	0.254	0.207	22.60
42)	TM	1,2-Dichloroet...	0.647	0.565	0.604	0.537	0.501	0.490	0.557	10.87
43)	T	Isopropyl Acetate	0.649	0.707	0.831	0.775	0.771	0.817	0.758	9.08
44)	TM	Trichloroethene	0.424	0.398	0.425	0.395	0.377	0.377	0.399	5.33
45)	C	1,2-Dichloropr...	0.405	0.354	0.419	0.385	0.381	0.374	0.386	5.95#
46)	T	Dibromomethane	0.359	0.340	0.348	0.312	0.292	0.286	0.323	9.50
47)	T	Bromodichlorom...	0.687	0.668	0.688	0.623	0.583	0.570	0.636	8.21
48)	T	Methyl methacr...	0.439	0.254	0.323	0.335	0.365	0.392	0.351	18.01
49)	T	1,4-Dioxane	0.005	0.004	0.006	0.007	0.006	0.006	0.006	15.24
50)	S	Toluene-d8		1.121	1.394	1.491	1.353	1.342	1.340	10.15
51)	T	4-Methyl-2-Pen...	0.435	0.470	0.598	0.567	0.544	0.543	0.526	11.65
52)	CM	Toluene	0.815	0.927	1.070	1.000	0.971	0.969	0.959	8.87#
53)	T	t-1,3-Dichloro...	0.490	0.542	0.601	0.556	0.562	0.586	0.556	7.00
54)	T	cis-1,3-Dichlo...	0.570	0.593	0.671	0.627	0.622	0.626	0.618	5.53
55)	T	1,1,2-Trichlor...	0.482	0.428	0.471	0.428	0.400	0.389	0.433	8.63
56)	T	Ethyl methacry...	0.430	0.380	0.489	0.490	0.553	0.601	0.490	16.34

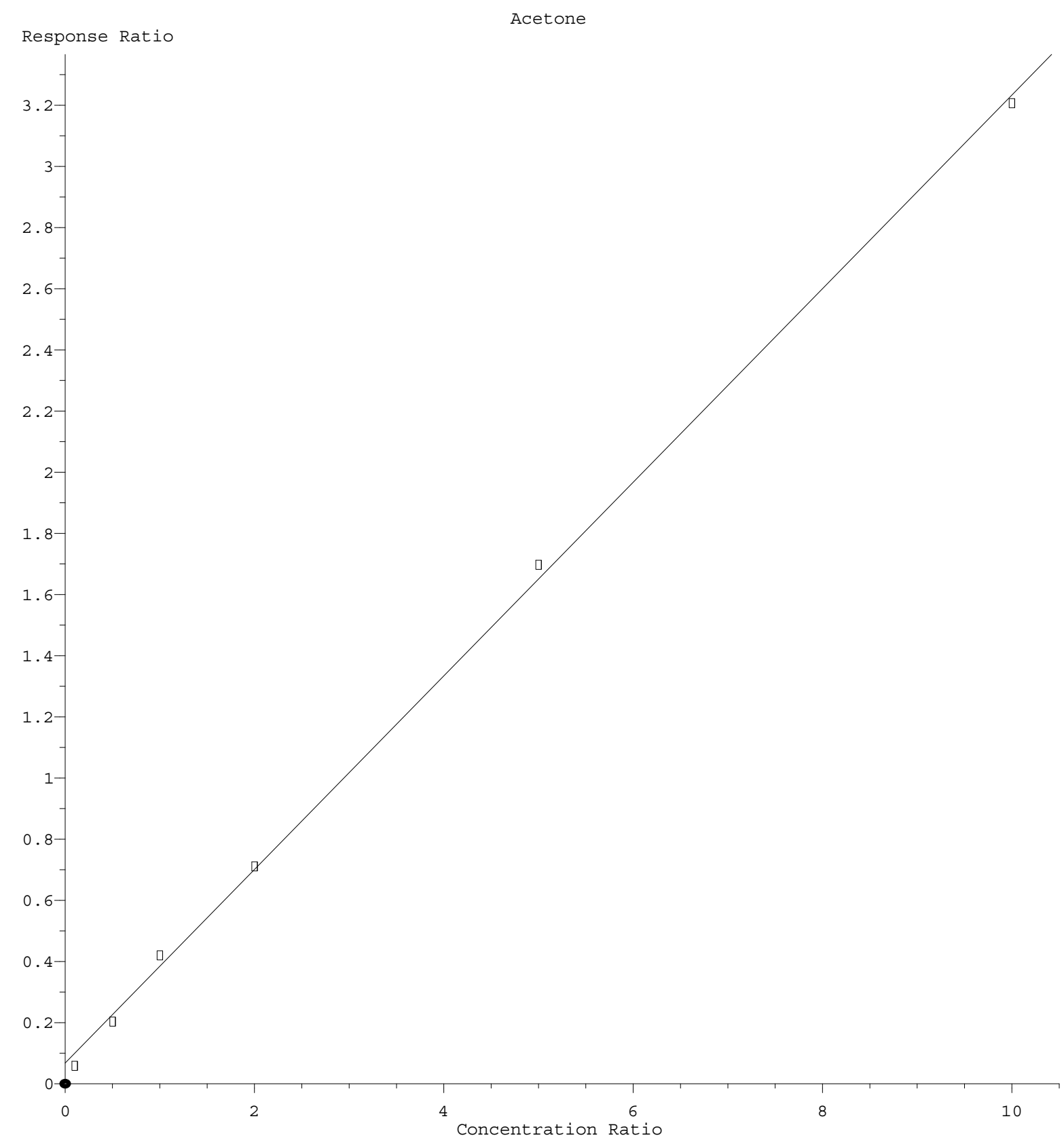
Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : 82V100725W.M

57)	T	1,3-Dichloropr...	0.625	0.639	0.726	0.665	0.636	0.628	0.653	5.87
58)	T	2-Chloroethyl ...	0.161	0.180	0.232	0.276	0.298	0.302	0.242	25.13
59)	T	2-Hexanone	0.318	0.322	0.427	0.425	0.414	0.411	0.386	13.37
60)	T	Dibromochlorom...	0.541	0.519	0.551	0.496	0.469	0.461	0.506	7.30
61)	T	1,2-Dibromoethane	0.447	0.449	0.507	0.450	0.427	0.424	0.451	6.63
62)	S	4-Bromofluorob...		0.396	0.473	0.519	0.498	0.500	0.477	10.13
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.390	0.361	0.378	0.370	0.344	0.346	0.365	4.94
65)	PM	Chlorobenzene	1.250	1.185	1.276	1.145	1.116	1.130	1.184	5.58
66)	T	1,1,1,2-Tetrac...	0.507	0.443	0.479	0.422	0.407	0.403	0.443	9.43
67)	C	Ethyl Benzene	1.587	1.545	1.798	1.730	1.866	1.936	1.744	8.86#
68)	T	m/p-Xylenes	0.566	0.569	0.747	0.733	0.764	0.770	0.692	14.04
69)	T	o-Xylene	0.523	0.514	0.618	0.610	0.682	0.719	0.611	13.50
70)	T	Styrene	0.839	0.851	1.117	1.170	1.258	1.285	1.087	18.10
71)	P	Bromoform	0.379	0.356	0.377	0.354	0.340	0.345	0.359	4.54
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.745	2.655	3.119	3.050	3.242	3.406	3.036	9.51
74)	T	N-amyl acetate	1.451	1.010	1.195	1.190	1.280	1.381	1.251	12.52
75)	P	1,1,2,2-Tetrac...	1.854	1.451	1.444	1.260	1.180	1.177	1.394	18.38
76)	T	1,2,3-Trichlor...	1.207	1.032	1.037	0.903	0.892	0.916	0.998	12.14
77)	T	Bromobenzene	0.841	0.808	0.897	0.809	0.817	0.835	0.835	4.00
78)	T	n-propylbenzene	3.439	3.182	3.811	3.698	3.930	4.045	3.684	8.75
79)	T	2-Chlorotoluene	1.947	2.135	2.460	2.332	2.360	2.413	2.275	8.59
80)	T	1,3,5-Trimethy...	2.060	2.217	2.695	2.637	2.801	2.869	2.546	12.96
81)	T	trans-1,4-Dich...		0.345	0.414	0.384	0.403	0.431	0.395	8.37
82)	T	4-Chlorotoluene	2.079	2.373	2.872	2.710	2.796	2.856	2.614	12.24
83)	T	tert-Butylbenzene	2.414	2.312	2.529	2.428	2.655	2.834	2.529	7.49
84)	T	1,2,4-Trimethy...	2.184	2.052	2.553	2.594	2.787	2.871	2.507	13.01
85)	T	sec-Butylbenzene	2.801	2.824	3.280	3.190	3.467	3.621	3.197	10.42
86)	T	p-Isopropyltol...	2.428	2.406	2.859	2.776	2.967	3.056	2.749	9.96
87)	T	1,3-Dichlorobe...	1.658	1.624	1.817	1.650	1.612	1.628	1.665	4.58
88)	T	1,4-Dichlorobe...	2.208	1.889	1.962	1.769	1.693	1.659	1.863	10.97
89)	T	n-Butylbenzene	2.327	2.264	2.569	2.507	2.784	2.908	2.560	9.83
90)	T	Hexachloroethane	0.822	0.728	0.711	0.616	0.595	0.606	0.680	13.24
91)	T	1,2-Dichlorobe...	1.765	1.522	1.652	1.498	1.516	1.549	1.584	6.60
92)	T	1,2-Dibromo-3-...	0.373	0.287	0.288	0.258	0.249	0.265	0.287	15.71
93)	T	1,2,4-Trichlor...	0.880	0.774	0.880	0.839	0.926	1.000	0.883	8.70
94)	T	Hexachlorobuta...	0.555	0.441	0.462	0.413	0.403	0.409	0.447	12.86
95)	T	Naphthalene	2.712	2.287	2.660	2.752	3.286	3.666	2.894	17.11
96)	T	1,2,3-Trichlor...	0.919	0.792	0.929	0.883	0.956	1.028	0.918	8.55

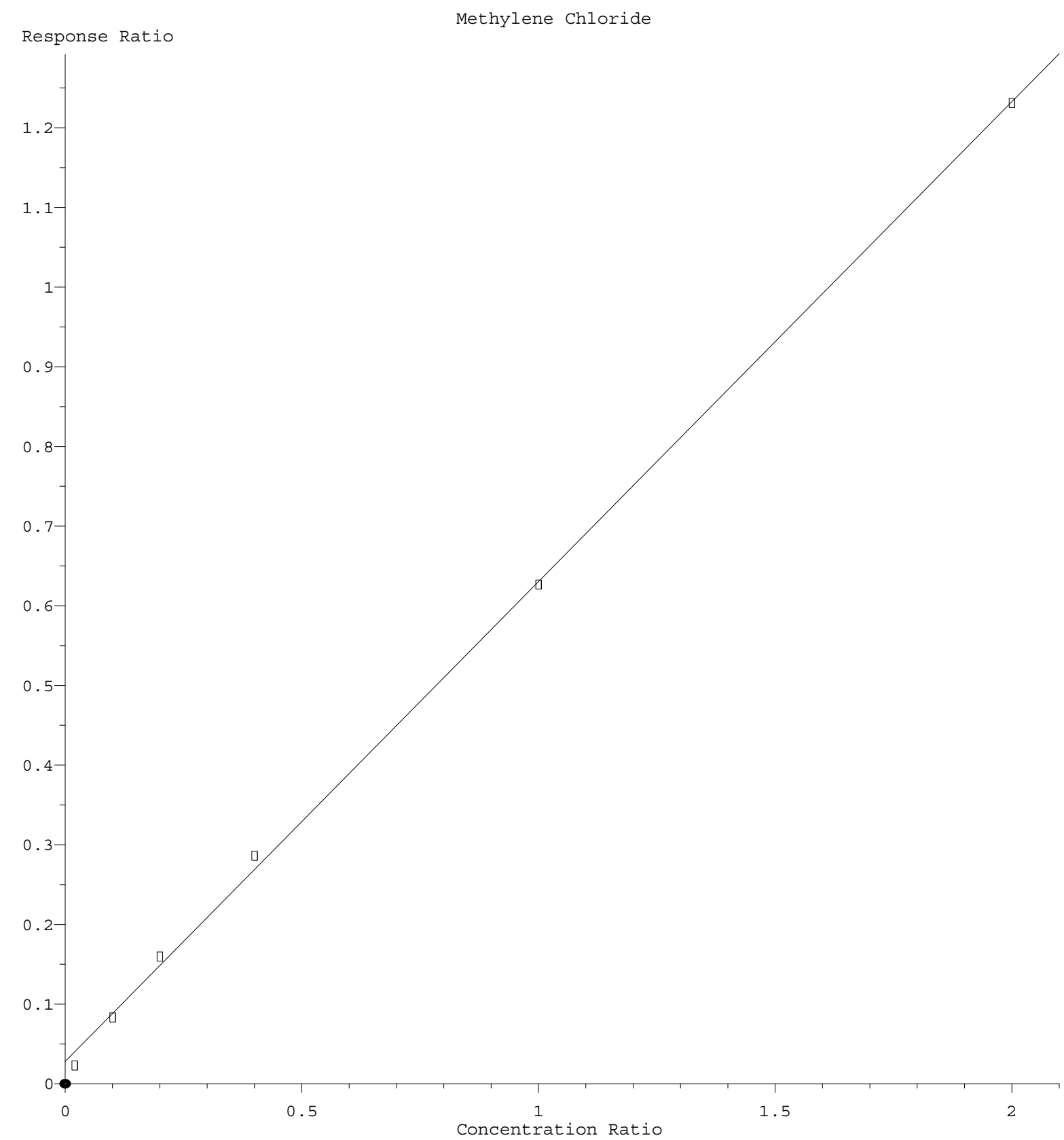
(#) = Out of Range



Response = 3.958e-001 * Amt + 1.865e-002
Coef of Det (r^2) = 0.999163 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V100725W.M
Calibration Table Last Updated: Wed Oct 08 05:01:26 2025



Response = 3.166e-001 * Amt + 6.794e-002
Coef of Det (r^2) = 0.999116 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V100725W.M
Calibration Table Last Updated: Wed Oct 08 05:01:26 2025



Response = 6.026e-001 * Amt + 2.794e-002
Coef of Det (r^2) = 0.999283 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V100725W.M
Calibration Table Last Updated: Wed Oct 08 05:01:26 2025

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039282.D
Acq On : 07 Oct 2025 09:40
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:53:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:53:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.593	168	527709	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	5.529	114	895274	50.000	ug/l		0.00
63) Chlorobenzene-d5	8.773	117	857185	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	385797	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 81 - 118		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 80 - 119		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 89 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 85 - 114		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	6611	0.991	ug/l		86
3) Chloromethane	1.227	50	7724	1.112	ug/l	#	85
4) Vinyl Chloride	1.298	62	9112	1.150	ug/l	#	87
6) Chloroethane	1.558	64	7318	1.367	ug/l		97
7) Trichlorofluoromethane	1.725	101	14501	1.198	ug/l		97
8) Diethyl Ether	1.921	74	5296	1.211	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.079	101	8446	1.165	ug/l		88
12) 1,1-Dichloroethene	2.089	96	8925	1.254	ug/l	#	79
14) Allyl chloride	2.355	41	13558	1.202	ug/l	#	88
15) Acrylonitrile	2.680	53	27594	6.403	ug/l		98
16) Acetone	2.124	43	30850	7.229	ug/l		96
17) Carbon Disulfide	2.253	76	27022	1.345	ug/l		95
18) Methyl Acetate	2.384	43	11207	1.153	ug/l		93
19) Methyl tert-butyl Ether	2.716	73	25085	1.171	ug/l		98
20) Methylene Chloride	2.458	84	12071	1.451	ug/l	#	90
21) trans-1,2-Dichloroethene	2.703	96	9802	1.308	ug/l		86
22) Diisopropyl ether	3.217	45	21362	1.055	ug/l	#	24
23) Vinyl Acetate	3.198	43	96018	5.401	ug/l		97
24) 1,1-Dichloroethane	3.121	63	16873	1.244	ug/l		97
25) 2-Butanone	3.905	43	22759m	4.977	ug/l		
26) 2,2-Dichloropropane	3.806	77	13393	1.226	ug/l		88
27) cis-1,2-Dichloroethene	3.828	96	8526m	1.137	ug/l		
28) Bromochloromethane	4.162	49	6412	1.081	ug/l	#	91
29) Tetrahydrofuran	4.259	42	16417m	5.601	ug/l		
30) Chloroform	4.278	83	16465	1.190	ug/l		97
32) 1,1,1-Trichloroethane	4.519	97	14370	1.188	ug/l	#	52
36) 1,1-Dichloropropene	4.751	75	9618m	1.086	ug/l		
37) Ethyl Acetate	3.905	43	11654	1.127	ug/l	#	68
38) Carbon Tetrachloride	4.735	117	10983	0.978	ug/l		93
39) Methylcyclohexane	6.043	83	10292	1.016	ug/l		97
40) Benzene	5.021	78	28276	0.995	ug/l		99
41) Methacrylonitrile	4.204	41	2308m	2.194	ug/l		
42) 1,2-Dichloroethane	5.053	62	11586	1.161	ug/l		94
43) Isopropyl Acetate	5.220	43	11626	0.823	ug/l	#	78
44) Trichloroethene	5.844	130	7590	1.062	ug/l		97
45) 1,2-Dichloropropane	6.108	63	7250	1.048	ug/l		92

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039282.D
Acq On : 07 Oct 2025 09:40
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:53:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:53:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	6.243	93	6432	1.112	ug/l		90
47) Bromodichloromethane	6.439	83	12294	1.079	ug/l		88
48) Methyl methacrylate	6.359	41	7865m	1.250	ug/l		
49) 1,4-Dioxane	6.342	88	1832m	17.505	ug/l		
51) 4-Methyl-2-Pentanone	7.162	43	38959	4.135	ug/l		89
52) Toluene	7.323	92	14589	0.850	ug/l		84
53) t-1,3-Dichloropropene	7.600	75	8766	0.880	ug/l		98
54) cis-1,3-Dichloropropene	6.973	75	10212	0.922	ug/l		94
55) 1,1,2-Trichloroethane	7.776	97	8628	1.113	ug/l		91
56) Ethyl methacrylate	7.744	69	7695m	0.889	ug/l		
57) 1,3-Dichloropropane	7.950	76	11189	0.957	ug/l		91
58) 2-Chloroethyl Vinyl ether	6.834	63	14435	10.957	ug/l	#	87
59) 2-Hexanone	8.085	43	28473m	4.117	ug/l		
60) Dibromochloromethane	8.175	129	9684	1.069	ug/l		98
61) 1,2-Dibromoethane	8.288	107	8007	0.992	ug/l		100
64) Tetrachloroethene	7.902	164	6686	1.069	ug/l	#	86
65) Chlorobenzene	8.809	112	21425	1.056	ug/l		95
66) 1,1,1,2-Tetrachloroethane	8.899	131	8692	1.144	ug/l	#	62
67) Ethyl Benzene	8.947	91	27200	0.910	ug/l		98
68) m/p-Xylenes	9.069	106	19390	1.636	ug/l		88
69) o-Xylene	9.474	106	8958	0.856	ug/l		97
70) Styrene	9.506	104	14383m	0.772	ug/l		
71) Bromoform	9.661	173	6502	1.058	ug/l	#	99
73) Isopropylbenzene	9.860	105	21180	0.904	ug/l		86
74) N-amyl acetate	9.744	43	11196m	1.151	ug/l		
75) 1,1,2,2-Tetrachloroethane	10.172	83	14304	1.330	ug/l		99
76) 1,2,3-Trichloropropane	10.207	75	9316	1.210	ug/l		85
77) Bromobenzene	10.153	156	6491	1.008	ug/l		97
78) n-propylbenzene	10.284	91	26534	0.933	ug/l		100
79) 2-Chlorotoluene	10.355	91	15022	0.856	ug/l		90
80) 1,3,5-Trimethylbenzene	10.468	105	15895	0.809	ug/l		99
82) 4-Chlorotoluene	10.474	91	16039	0.795	ug/l		89
83) tert-Butylbenzene	10.789	119	18627	0.955	ug/l		99
84) 1,2,4-Trimethylbenzene	10.847	105	16853	0.871	ug/l		92
85) sec-Butylbenzene	11.014	105	21613	0.876	ug/l		97
86) p-Isopropyltoluene	11.169	119	18735	0.883	ug/l		94
87) 1,3-Dichlorobenzene	11.117	146	12791	0.996	ug/l		96
88) 1,4-Dichlorobenzene	11.198	146	17036m	1.177	ug/l		
89) n-Butylbenzene	11.587	91	17957	0.909	ug/l		93
90) Hexachloroethane	11.821	117	6345	1.210	ug/l		97
91) 1,2-Dichlorobenzene	11.577	146	13621	1.115	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	12.365	75	2878	1.301	ug/l		92
93) 1,2,4-Trichlorobenzene	13.197	180	6793	0.997	ug/l		95
94) Hexachlorobutadiene	13.368	225	4285	1.242	ug/l		98
95) Naphthalene	13.435	128	20925m	0.937	ug/l		
96) 1,2,3-Trichlorobenzene	13.677	180	7094	1.002	ug/l		95

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

ICAL Form

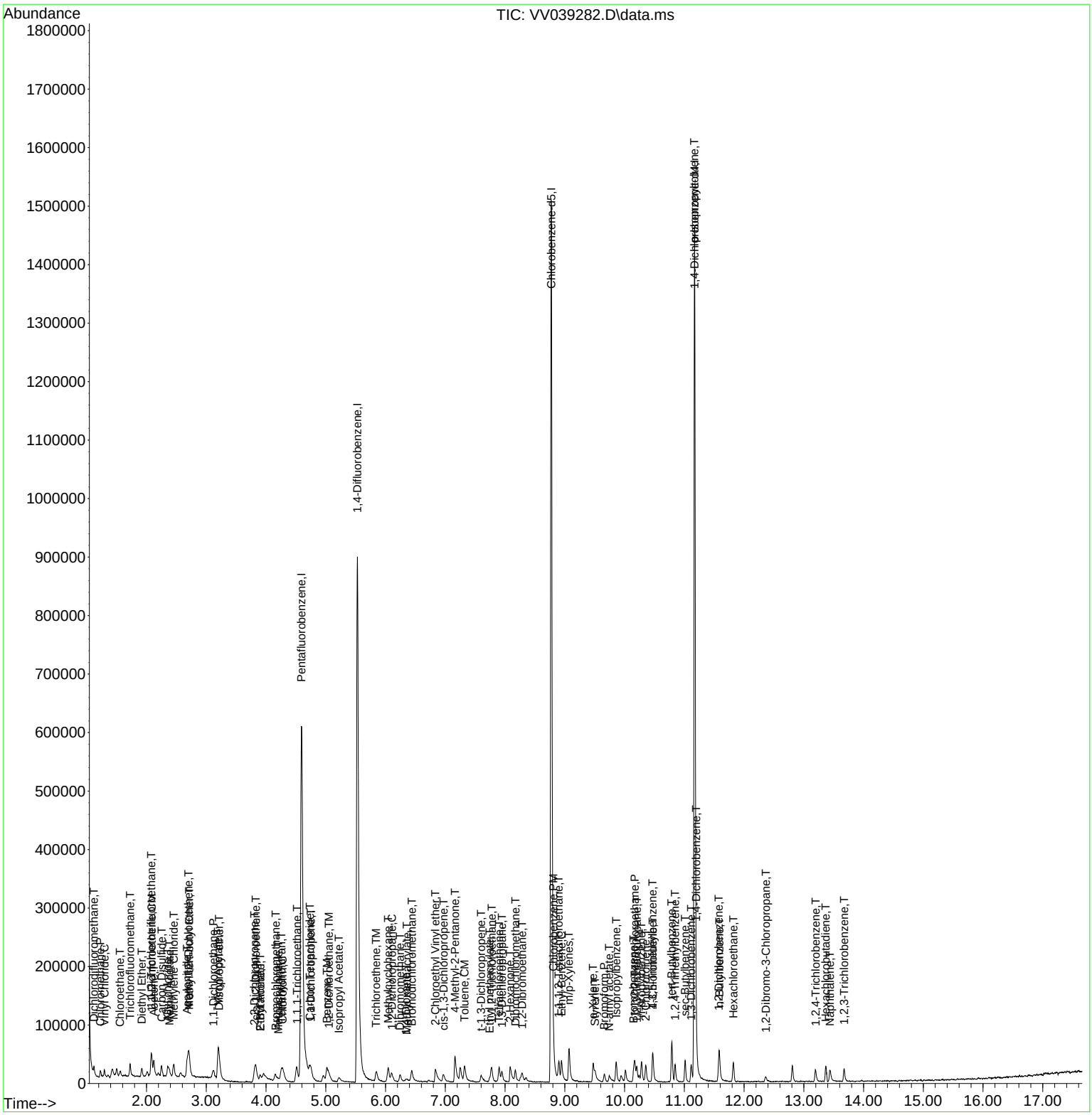
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039282.D
Acq On : 07 Oct 2025 09:40
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

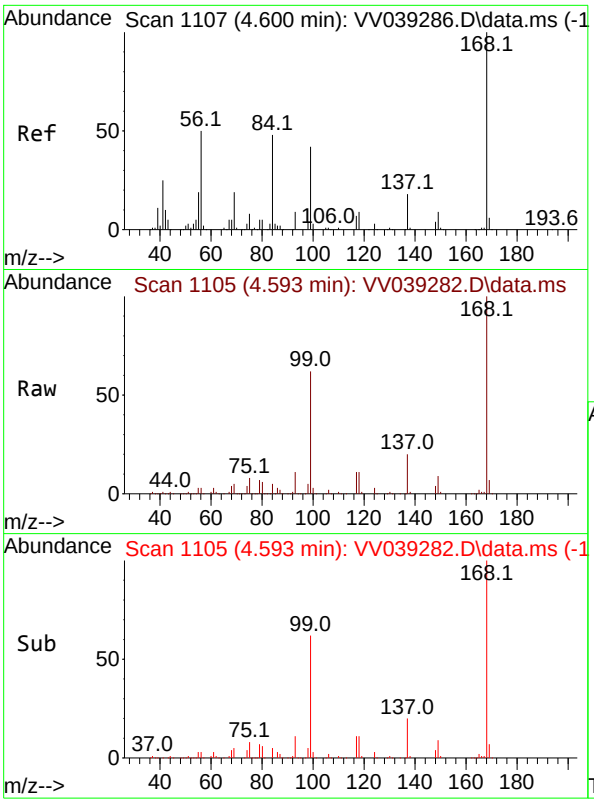
Quant Time: Oct 08 04:53:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:53:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

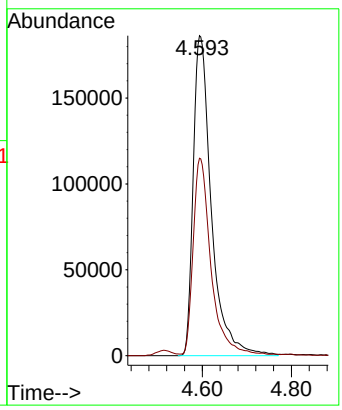




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.593 min Scan# 1
Delta R.T. -0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:168 Resp: 52770

Ion	Ratio	Lower	Upper
168	100		
99	61.3	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

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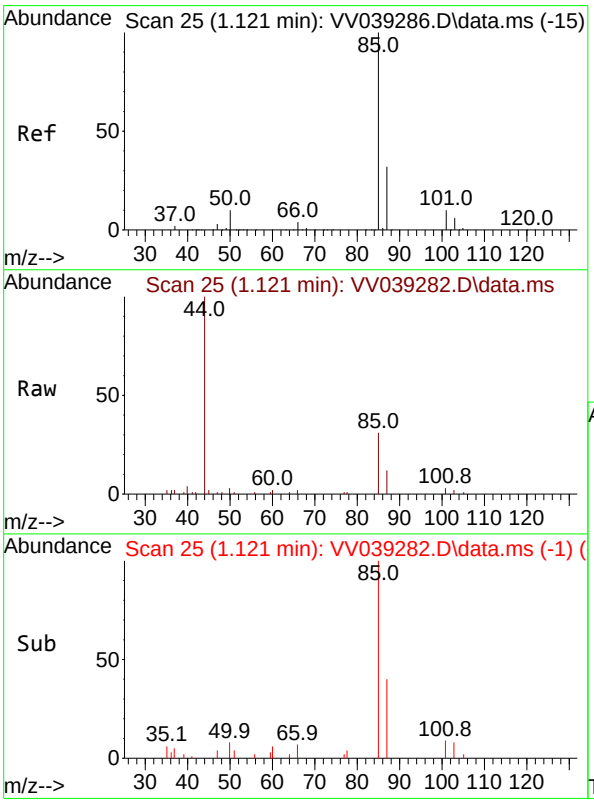
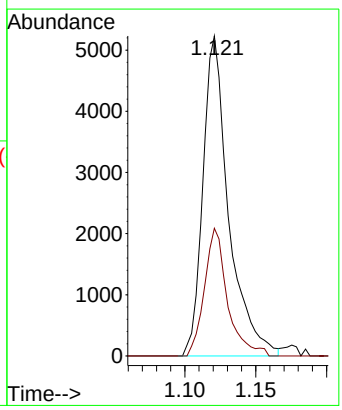
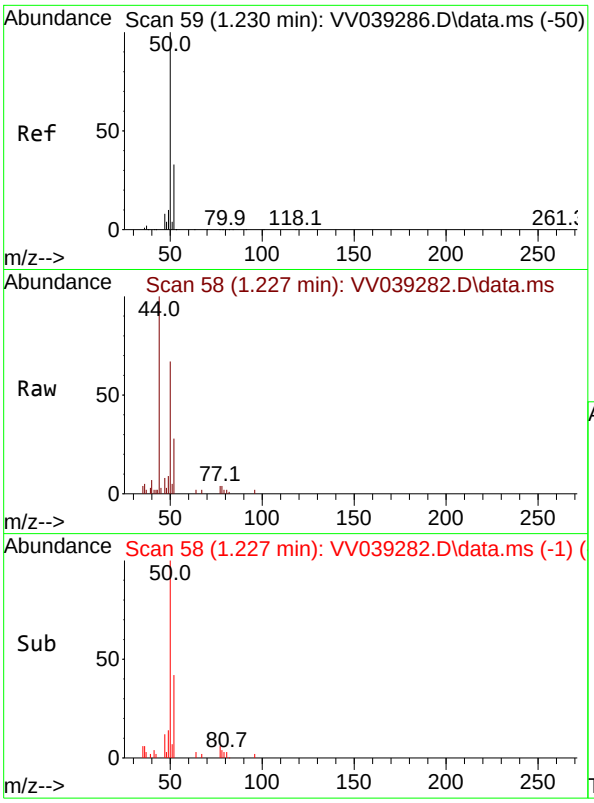


#2
Dichlorodifluoromethane
Concen: 0.991 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 85 Resp: 6611

Ion	Ratio	Lower	Upper
85	100		
87	39.9	16.1	48.2

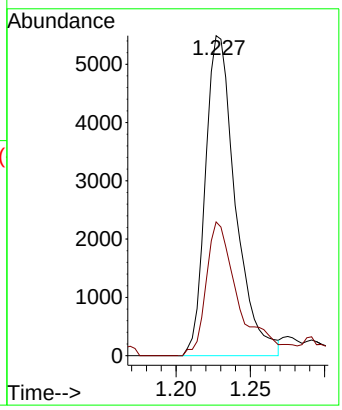




#3
Chloromethane
Concen: 1.112 ug/l
RT: 1.227 min Scan# 5
Delta R.T. -0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 50 Resp: 772

Ion	Ratio	Lower	Upper
50	100		
52	41.8	26.6	39.8#



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

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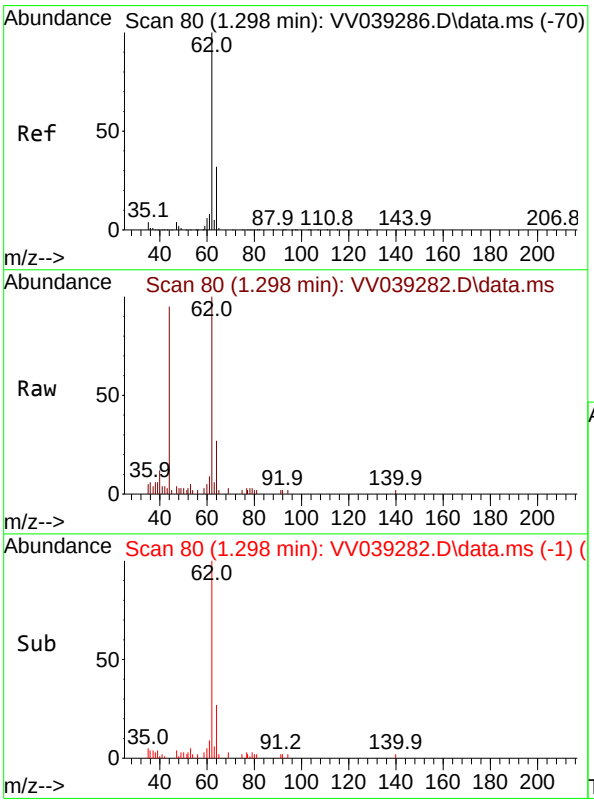
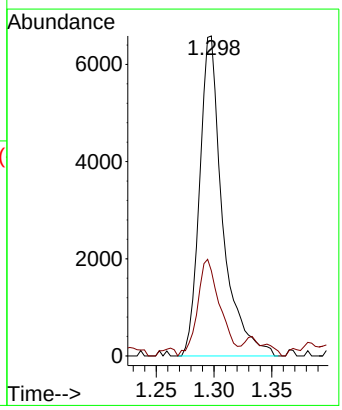
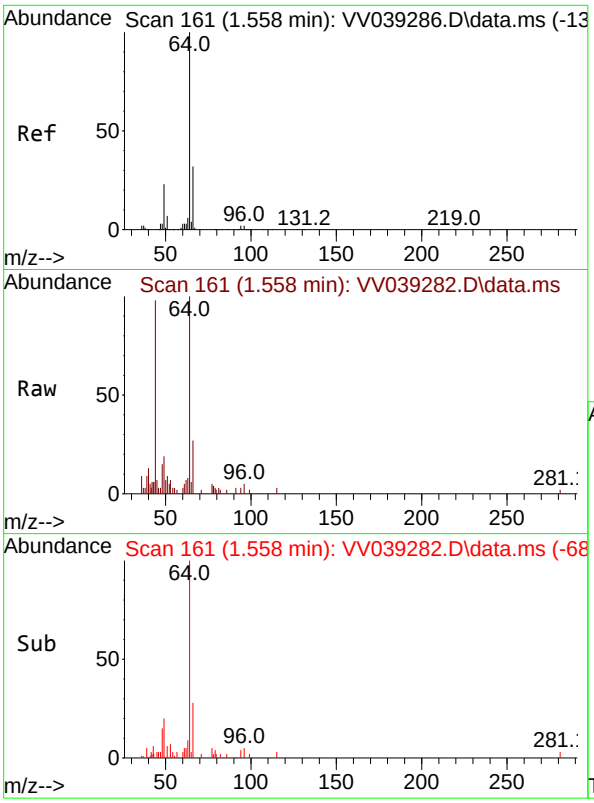


#4
Vinyl Chloride
Concen: 1.150 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 62 Resp: 9112

Ion	Ratio	Lower	Upper
62	100		
64	25.1	25.8	38.6#

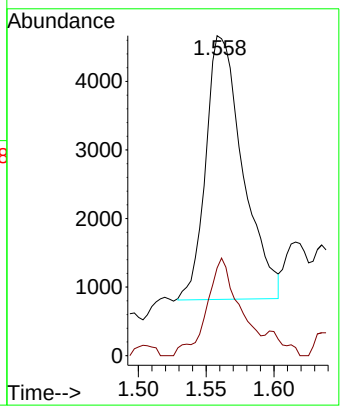




#6
Chloroethane
Concen: 1.367 ug/l
RT: 1.558 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 64 Resp: 731

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.7	38.5



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

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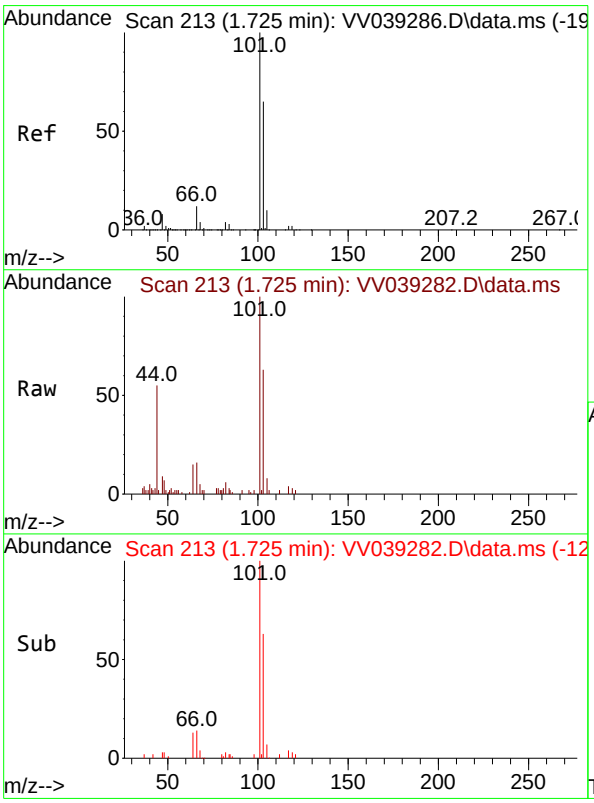
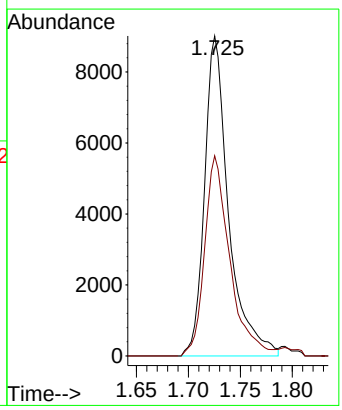
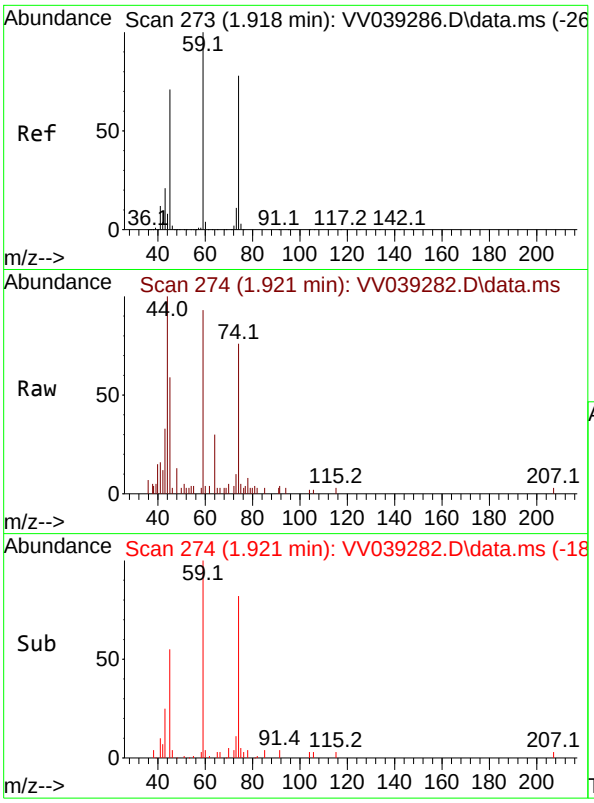


#7
Trichlorofluoromethane
Concen: 1.198 ug/l
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:101 Resp: 14501

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.0	78.0





#8
Diethyl Ether
Concen: 1.211 ug/l
RT: 1.921 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 74 Resp: 529

Ion	Ratio	Lower	Upper
74	100		
45	91.3	45.9	137.7

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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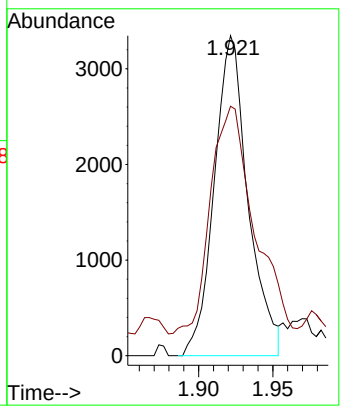
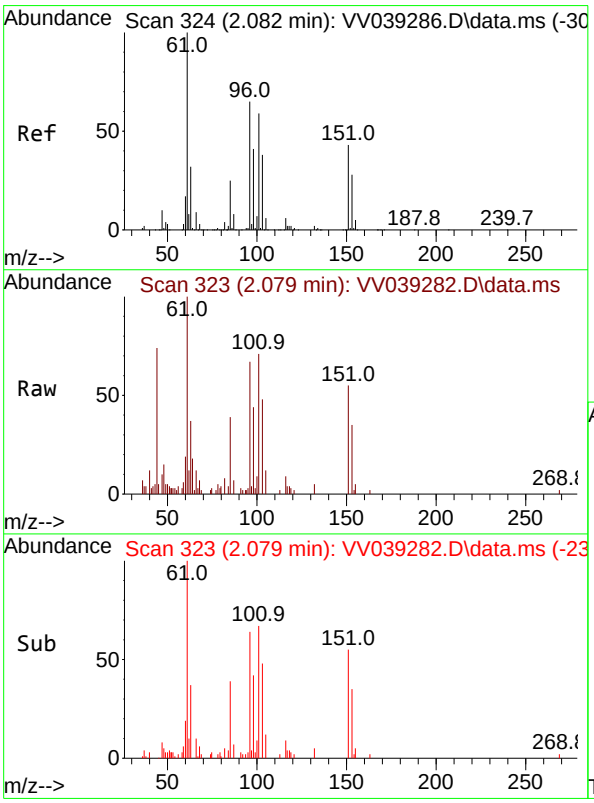
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

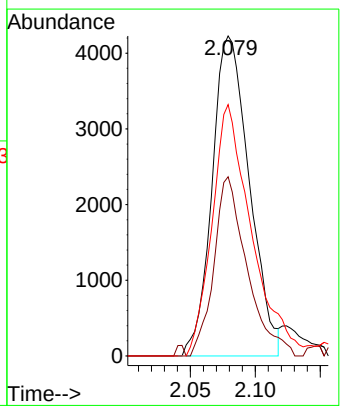


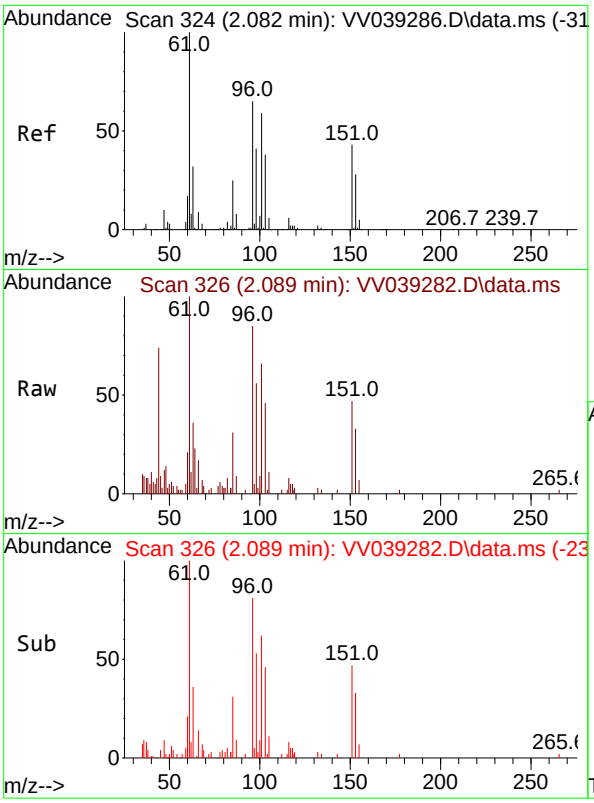


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.165 ug/l
RT: 2.079 min Scan# 323
Delta R.T. -0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:101 Resp: 8446

Ion	Ratio	Lower	Upper
101	100		
85	49.8	34.0	51.0
151	82.8	58.5	87.7





#12
1,1-Dichloroethene
Concen: 1.254 ug/l
RT: 2.089 min Scan# 3
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 96 Resp: 892

Ion	Ratio	Lower	Upper
96	100		
61	118.1	123.6	185.4#
98	66.3	51.1	76.7

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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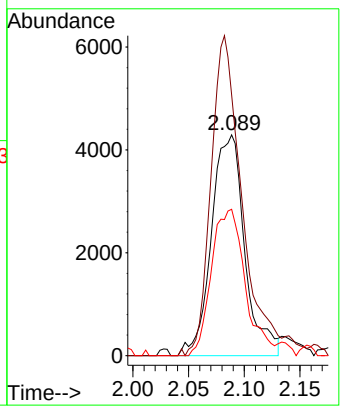
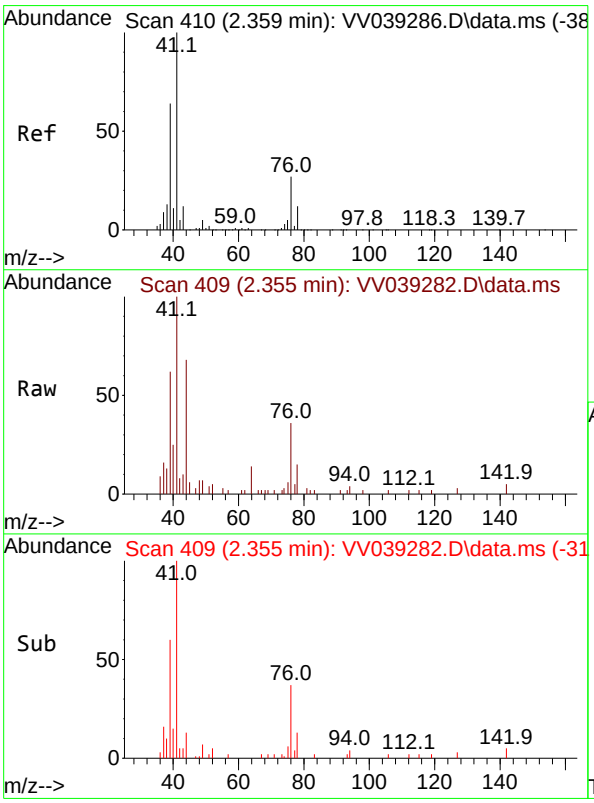
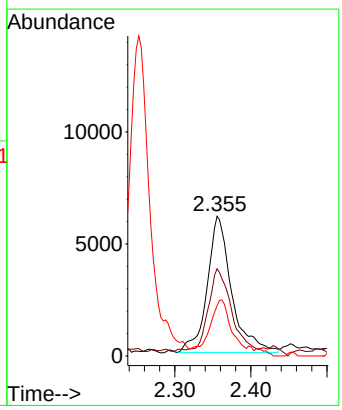


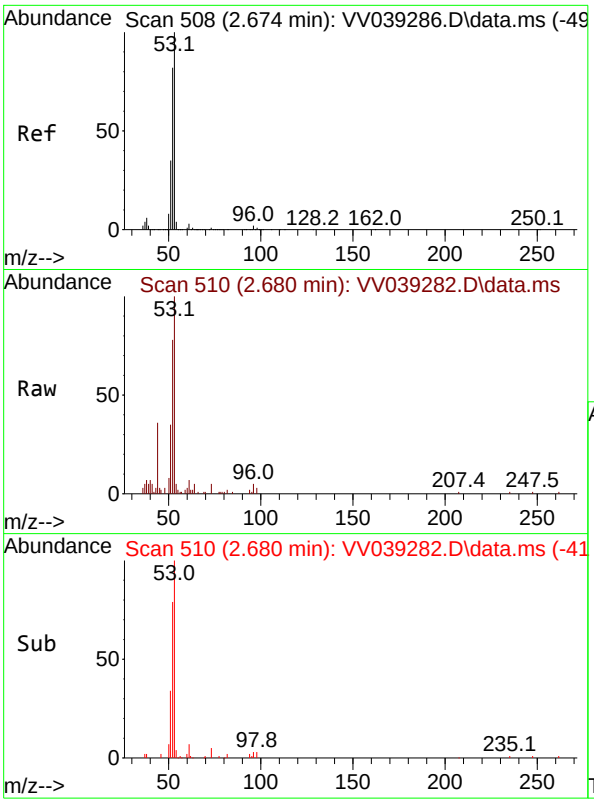


#14
Allyl chloride
Concen: 1.202 ug/l
RT: 2.355 min Scan# 409
Delta R.T. -0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 41 Resp: 13558

Ion	Ratio	Lower	Upper
41	100		
39	52.4	47.8	71.6
76	28.4	30.2	45.2#

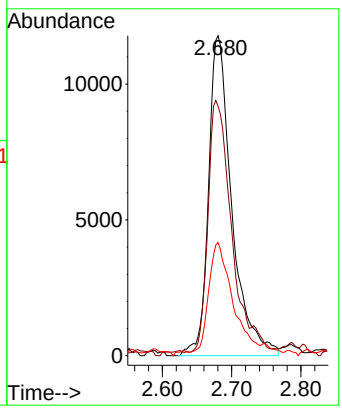




#15
Acrylonitrile
Concen: 6.403 ug/l
RT: 2.680 min Scan# 5
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 53 Resp: 2759

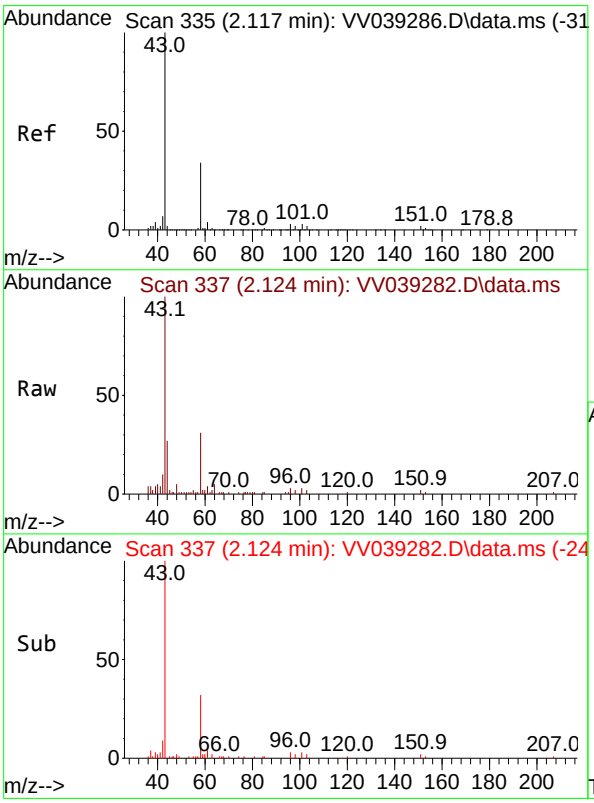
Ion	Ratio	Lower	Upper
53	100		
52	79.0	65.0	97.6
51	34.4	27.9	41.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

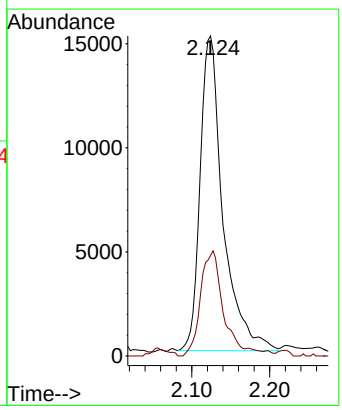
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

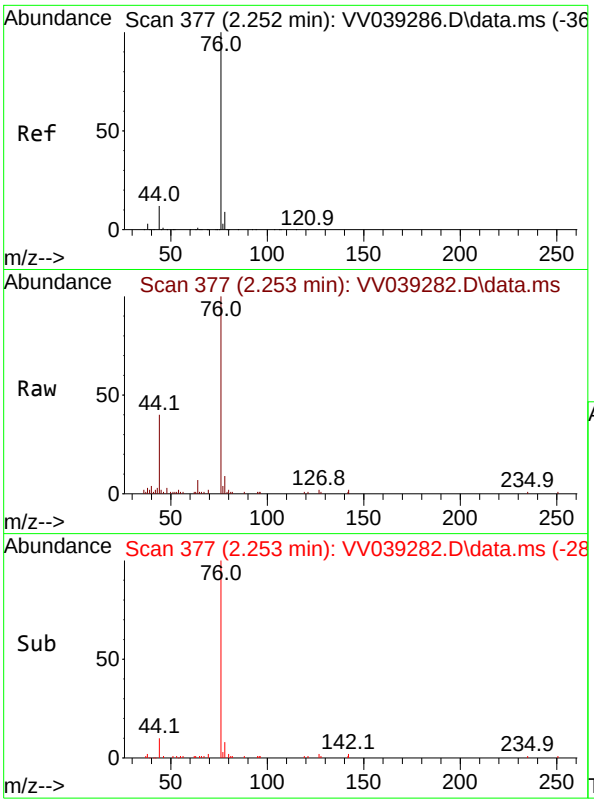


#16
Acetone
Concen: 7.229 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 43 Resp: 30850

Ion	Ratio	Lower	Upper
43	100		
58	31.9	27.5	41.3

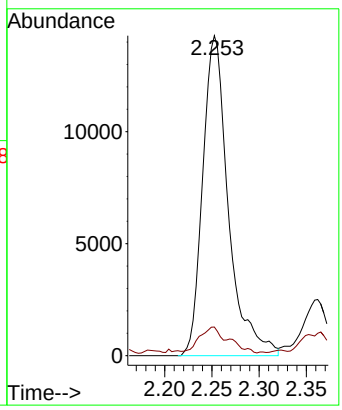




#17
Carbon Disulfide
Concen: 1.345 ug/l
RT: 2.253 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 76 Resp: 2702

Ion	Ratio	Lower	Upper
76	100		
78	7.4	7.4	11.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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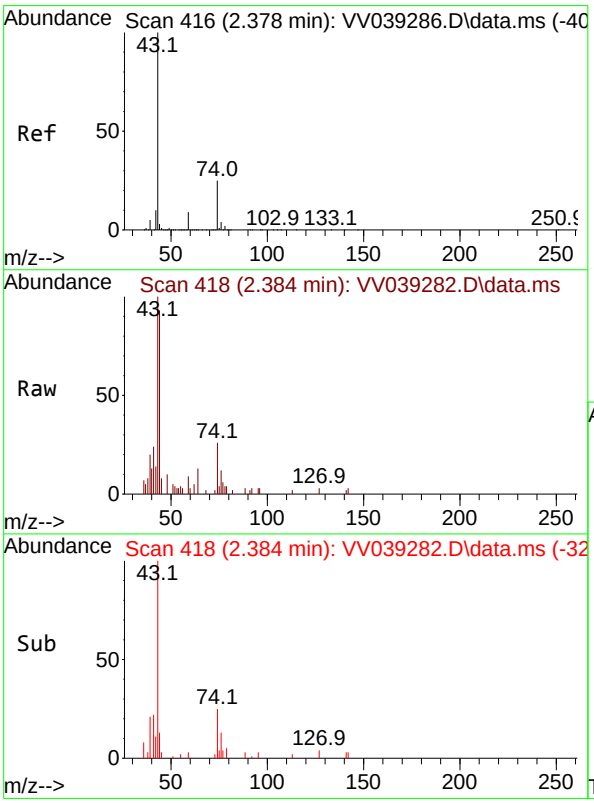
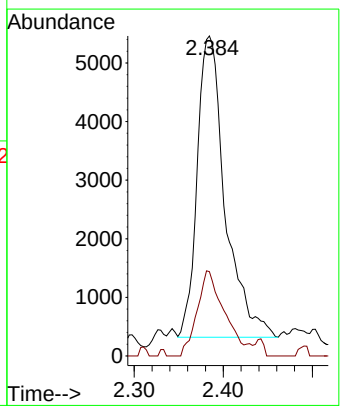
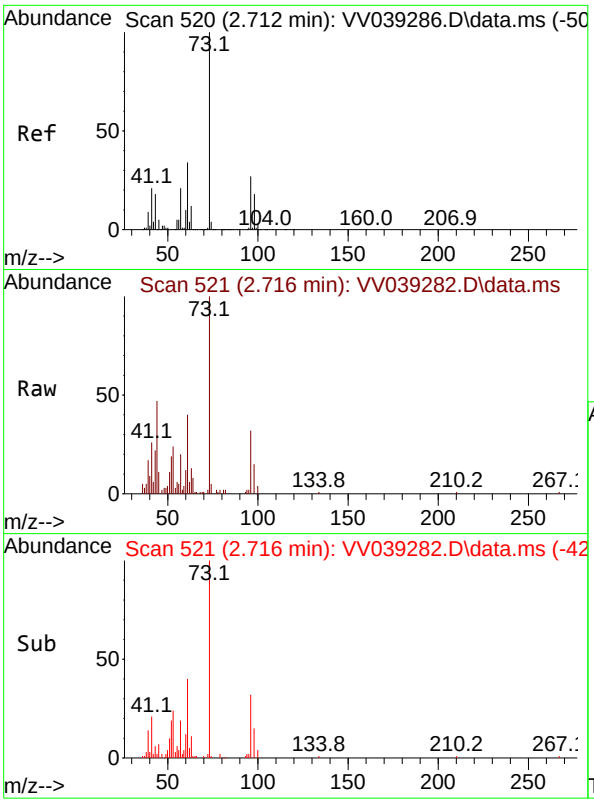


#18
Methyl Acetate
Concen: 1.153 ug/l
RT: 2.384 min Scan# 418
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 43 Resp: 11207

Ion	Ratio	Lower	Upper
43	100		
74	28.1	19.5	29.3





#19
Methyl tert-butyl Ether
Concen: 1.171 ug/l
RT: 2.716 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 73 Resp: 2508

Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.0	25.6

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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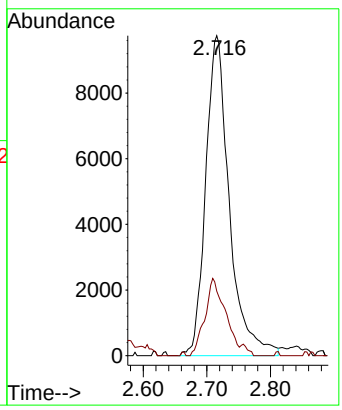
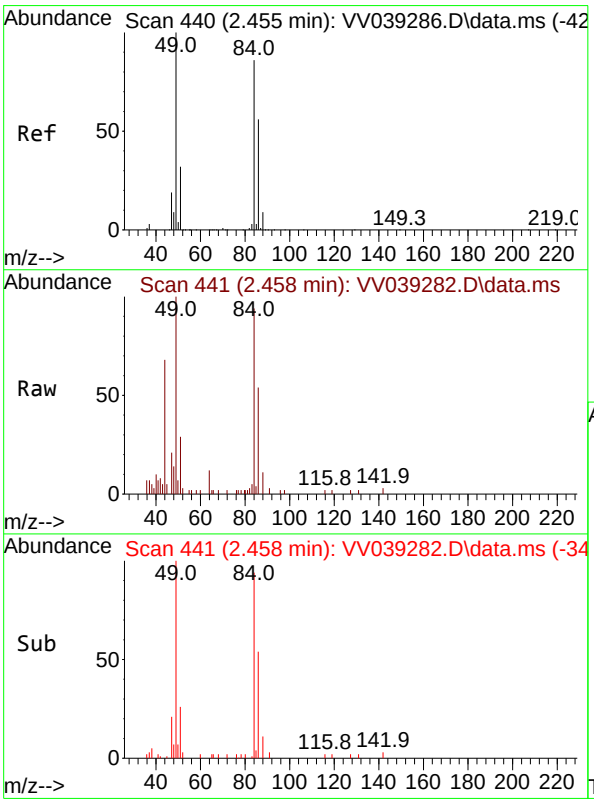
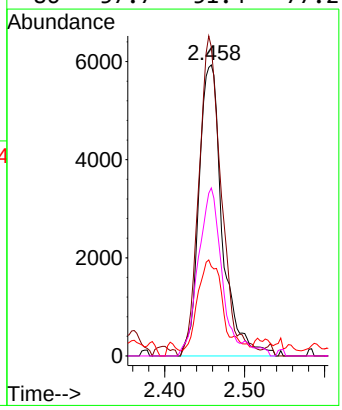


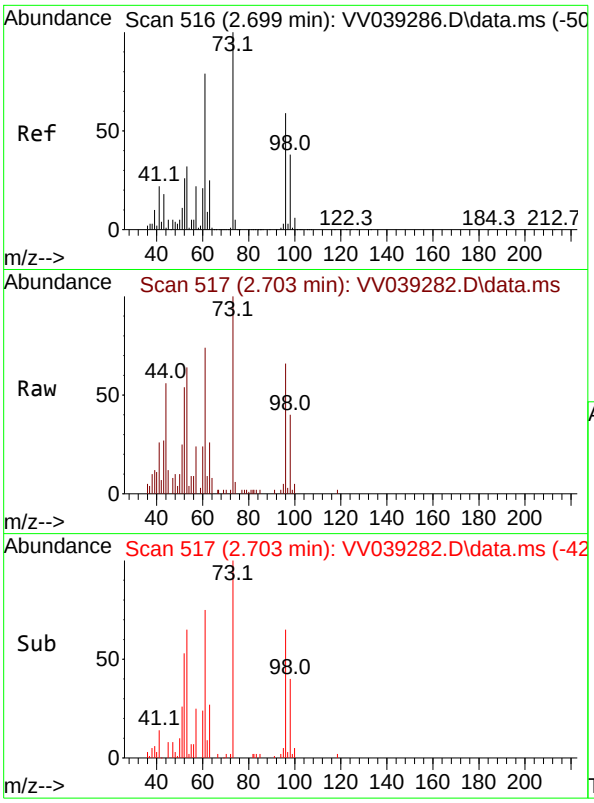


#20
Methylene Chloride
Concen: 1.451 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 84 Resp: 12071

Ion	Ratio	Lower	Upper
84	100		
49	106.2	92.6	139.0
51	28.6	29.6	44.4#
86	57.7	51.4	77.2





#21
trans-1,2-Dichloroethene
Concen: 1.308 ug/l
RT: 2.703 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

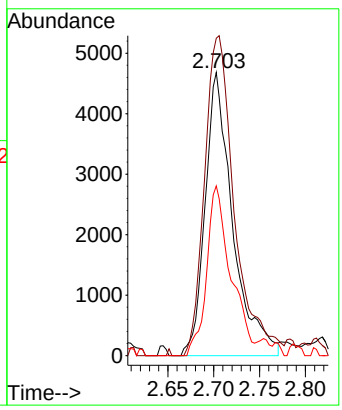
Tgt Ion: 96 Resp: 980

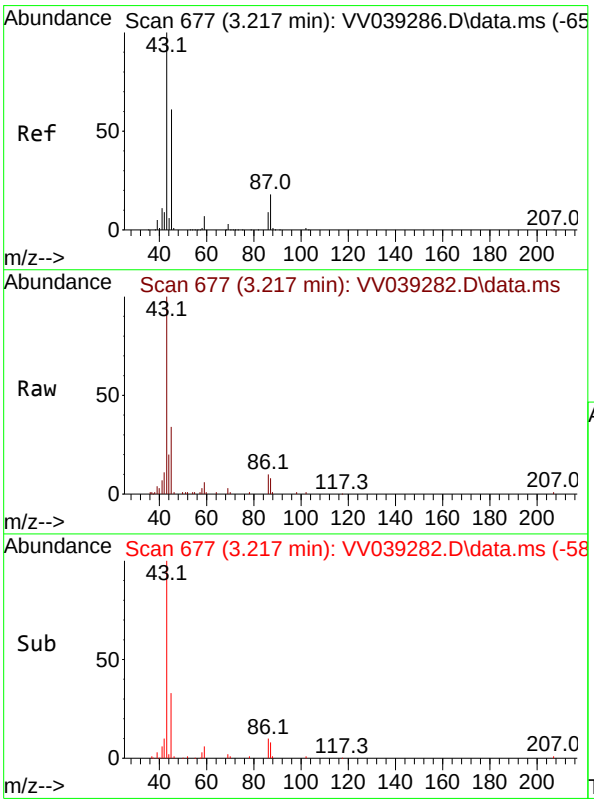
Ion	Ratio	Lower	Upper
96	100		
61	112.1	106.8	160.2
98	59.9	51.1	76.7

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

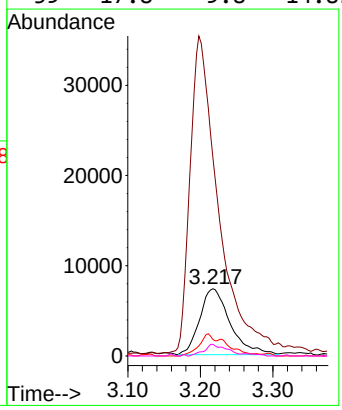


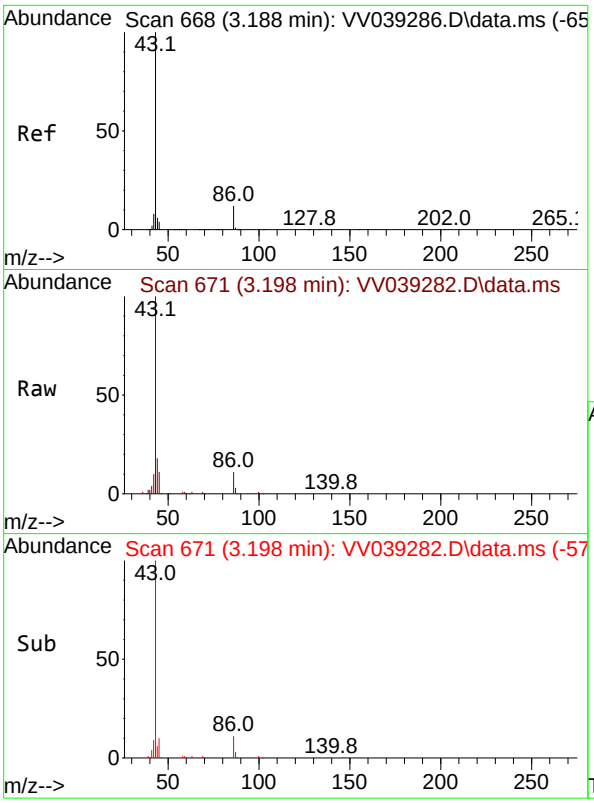


#22
Diisopropyl ether
Concen: 1.055 ug/l
RT: 3.217 min Scan# 677
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 45 Resp: 21362

Ion	Ratio	Lower	Upper
45	100		
43	288.1	130.8	196.2#
87	25.1	23.8	35.8
59	17.8	9.8	14.8#

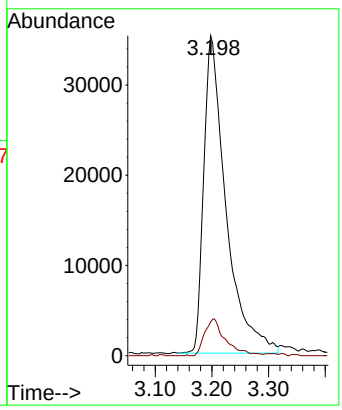




#23
Vinyl Acetate
Concen: 5.401 ug/l
RT: 3.198 min Scan# 6
Delta R.T. 0.010 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 43 Resp: 9601

Ion	Ratio	Lower	Upper
43	100		
86	10.6	9.4	14.2



Instrument :
MSVOA_V
ClientSampleId :
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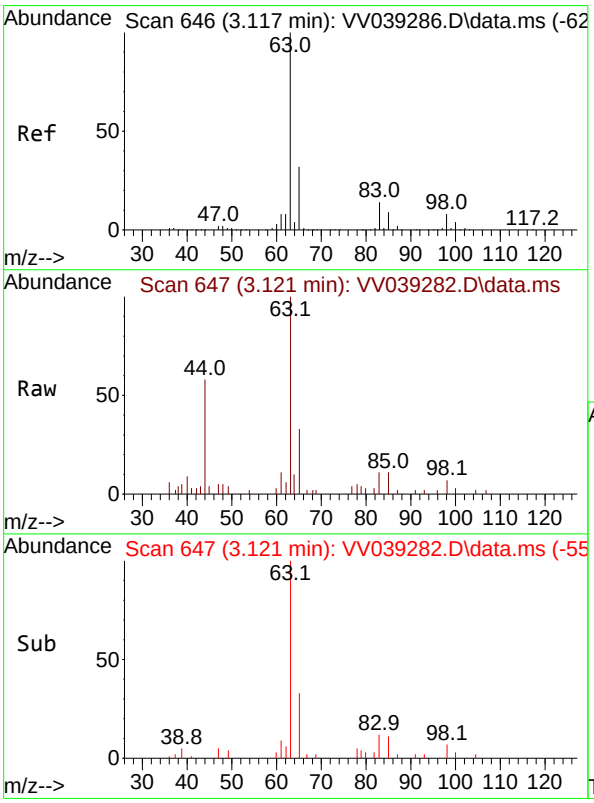
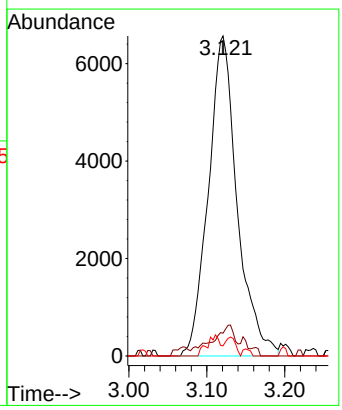
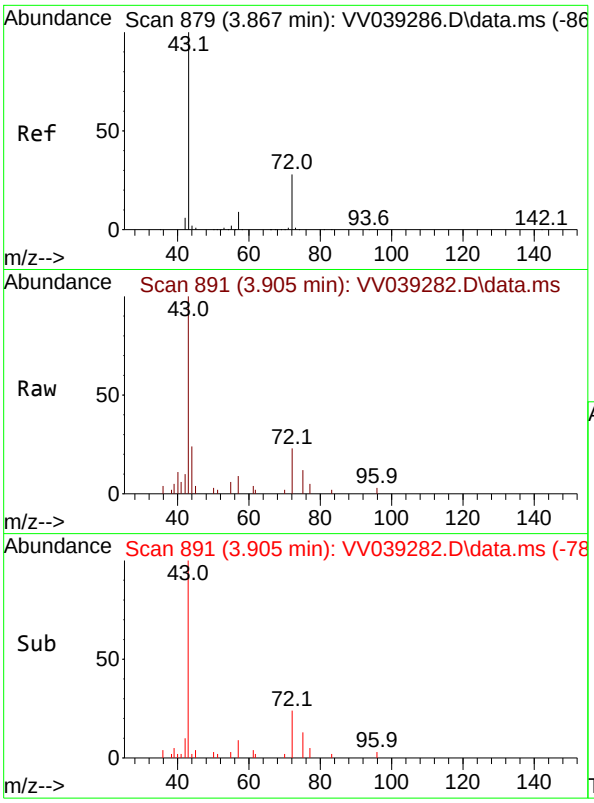


#24
1,1-Dichloroethane
Concen: 1.244 ug/l
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 63 Resp: 16873

Ion	Ratio	Lower	Upper
63	100		
98	7.1	4.0	12.0
100	3.2	2.3	6.8

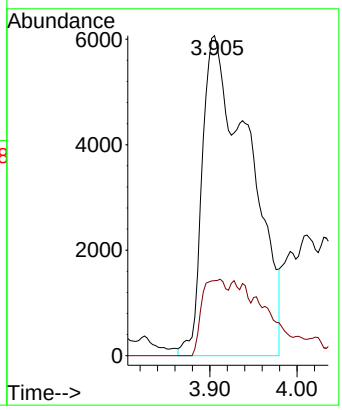




#25
2-Butanone
Concen: 4.977 ug/l m
RT: 3.905 min Scan# 8
Delta R.T. 0.039 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 43 Resp: 2275

Ion	Ratio	Lower	Upper
43	100		
72	23.5	22.6	34.0



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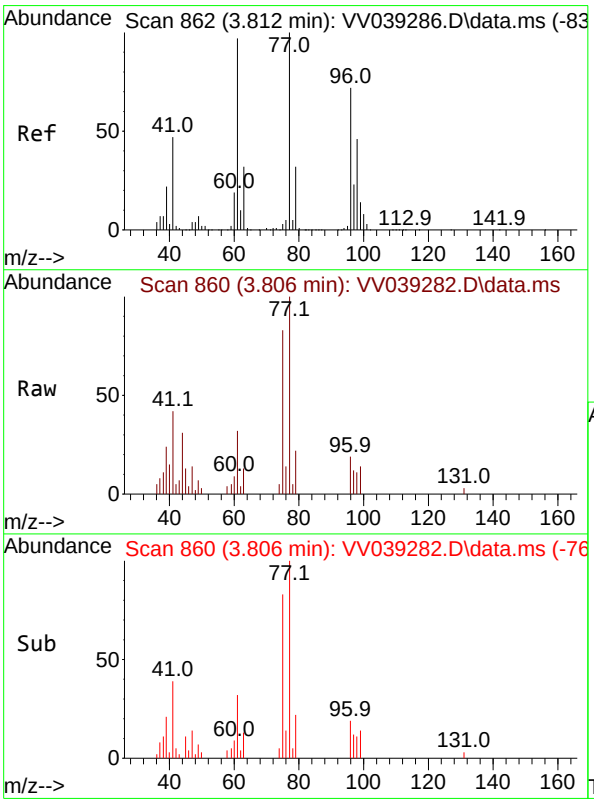
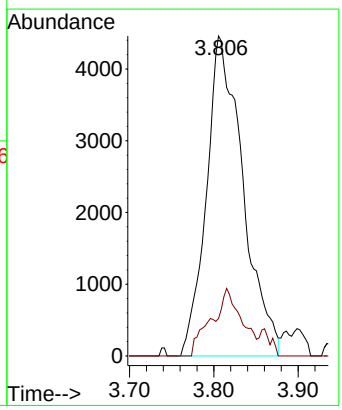
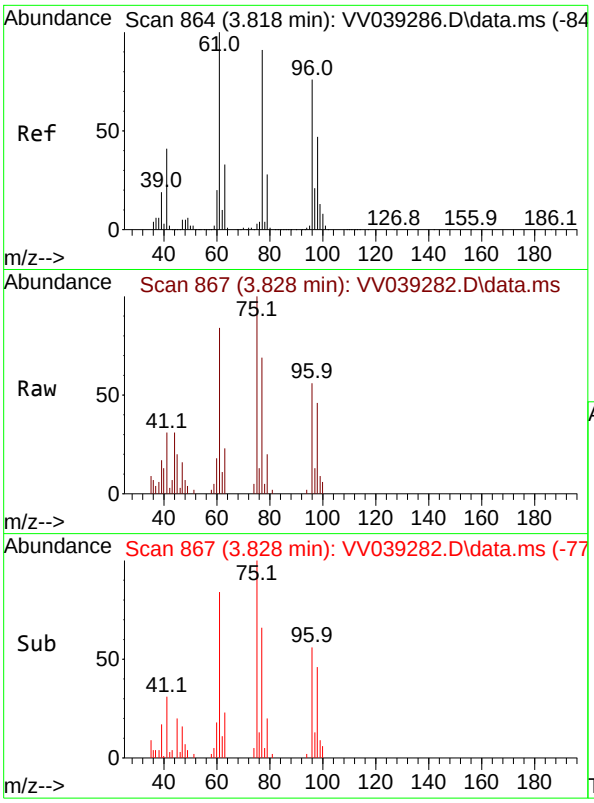


#26
2,2-Dichloropropane
Concen: 1.226 ug/l
RT: 3.806 min Scan# 860
Delta R.T. -0.006 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 77 Resp: 13393

Ion	Ratio	Lower	Upper
77	100		
97	17.5	11.6	34.8

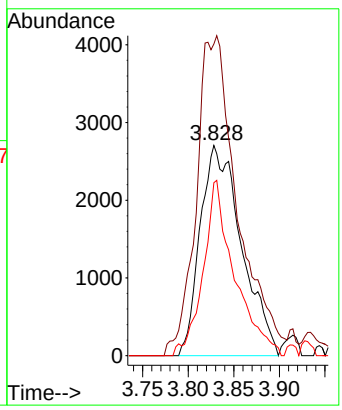




#27
cis-1,2-Dichloroethene
Concen: 1.137 ug/l m
RT: 3.828 min Scan# 8
Delta R.T. 0.010 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 96 Resp: 852

Ion	Ratio	Lower	Upper
96	100		
61	58.9	0.0	275.0
98	63.0	0.0	127.8



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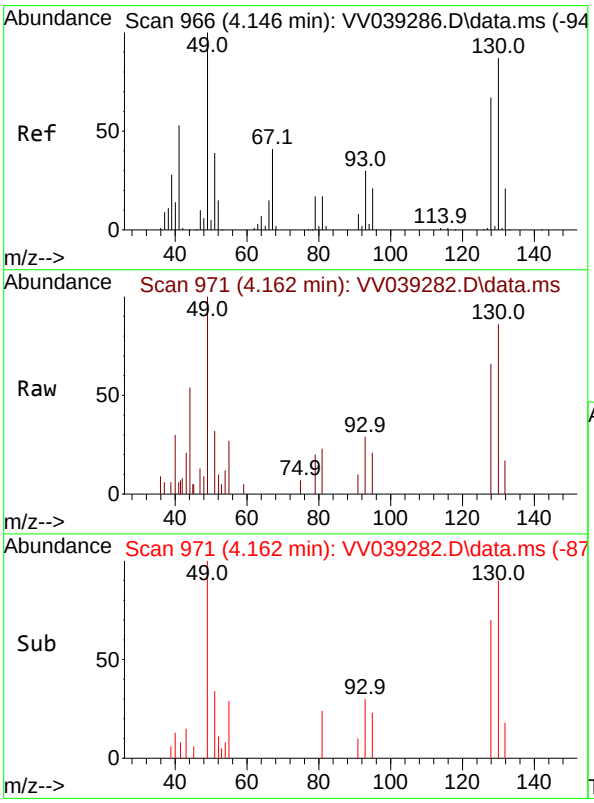
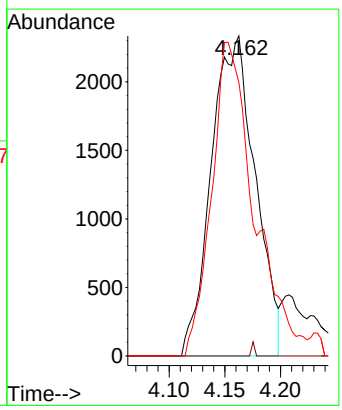
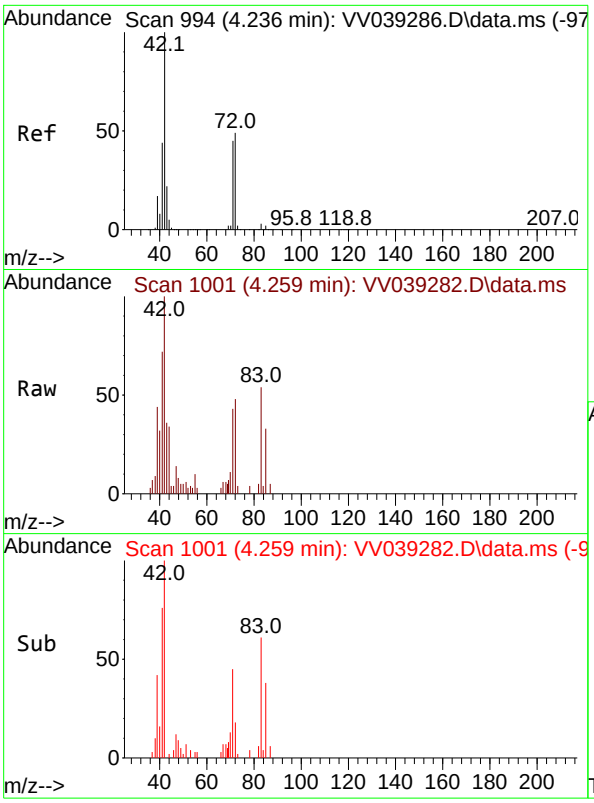


#28
Bromochloromethane
Concen: 1.081 ug/l
RT: 4.162 min Scan# 971
Delta R.T. 0.016 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 49 Resp: 6412

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	95.1	69.5	104.3





#29
Tetrahydrofuran
Concen: 5.601 ug/l m
RT: 4.259 min Scan# 1
Delta R.T. 0.023 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 42 Resp: 1641

Ion	Ratio	Lower	Upper
42	100		
72	27.8	39.8	59.8#
71	11.2	36.5	54.7#

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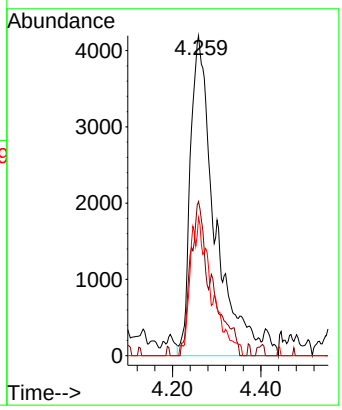
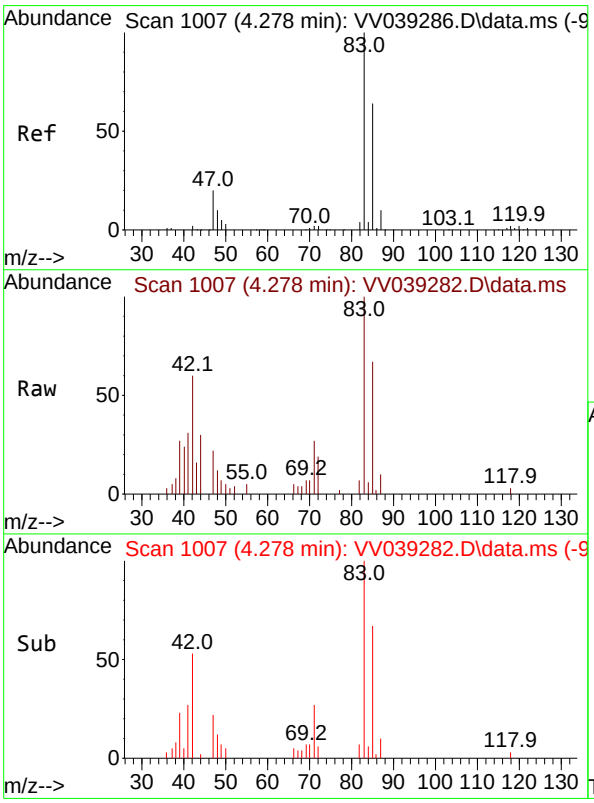
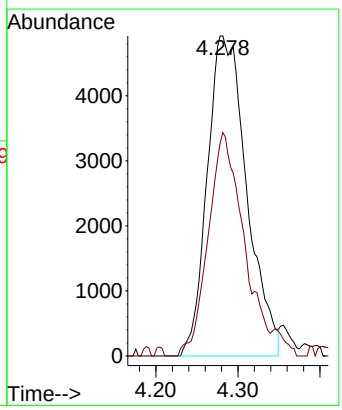


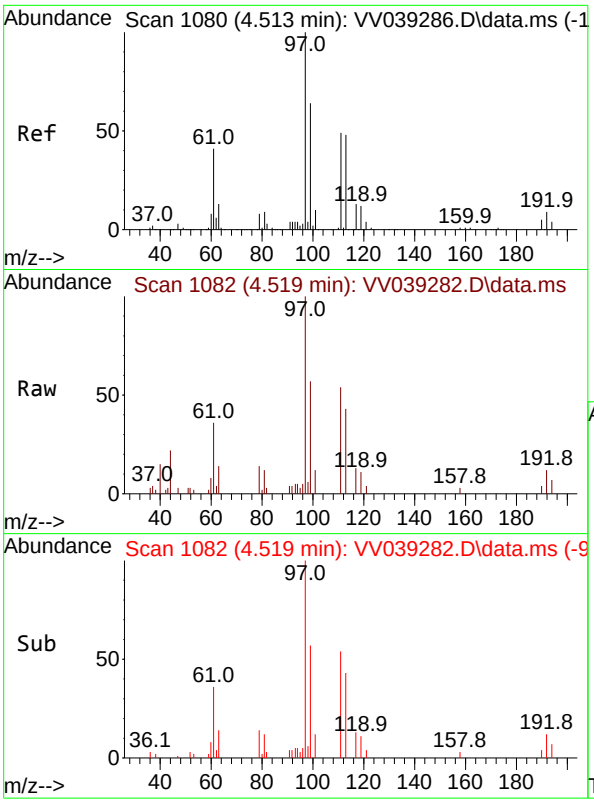


#30
Chloroform
Concen: 1.190 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 83 Resp: 16465

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.1	76.7





#32
1,1,1-Trichloroethane
Concen: 1.188 ug/l
RT: 4.519 min Scan# 1
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 97 Resp: 1437

Ion	Ratio	Lower	Upper
97	100		
99	0.0	48.6	72.8#
61	39.8	31.8	47.8

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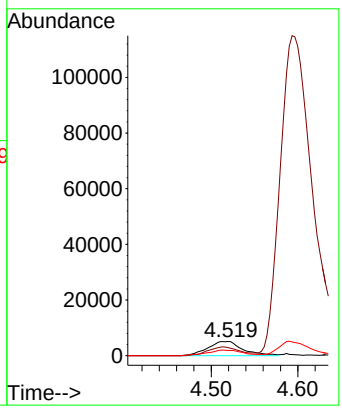
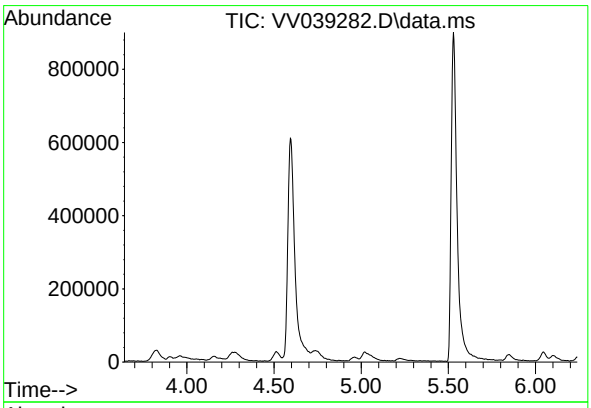


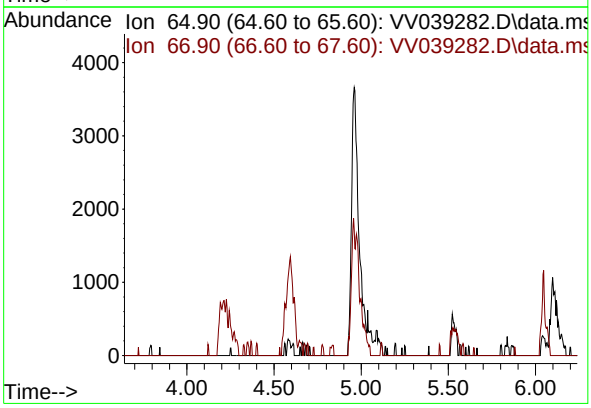


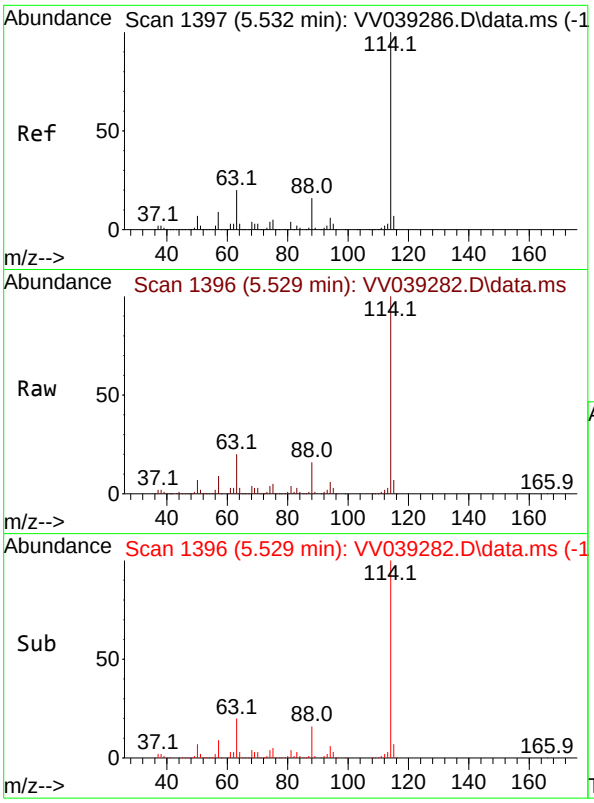
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 4.94 min

Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	54.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:114 Resp: 89527

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.6
88	15.6	0.0	31.6

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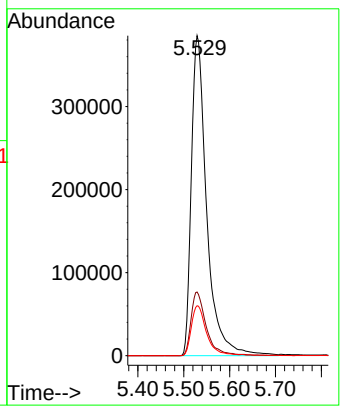
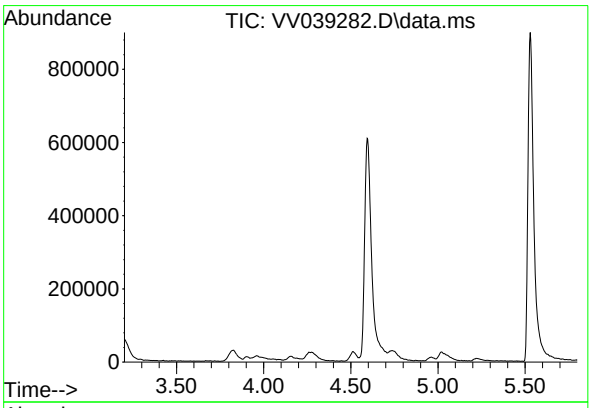


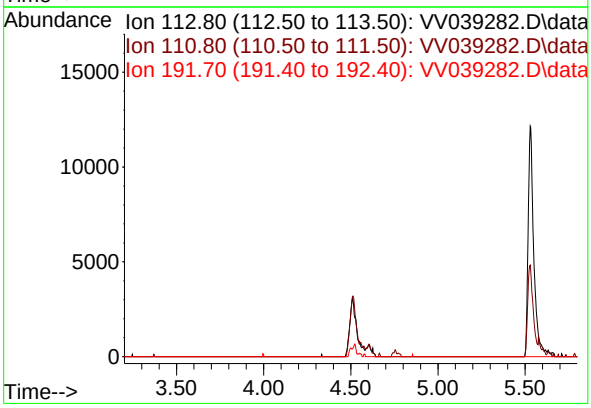


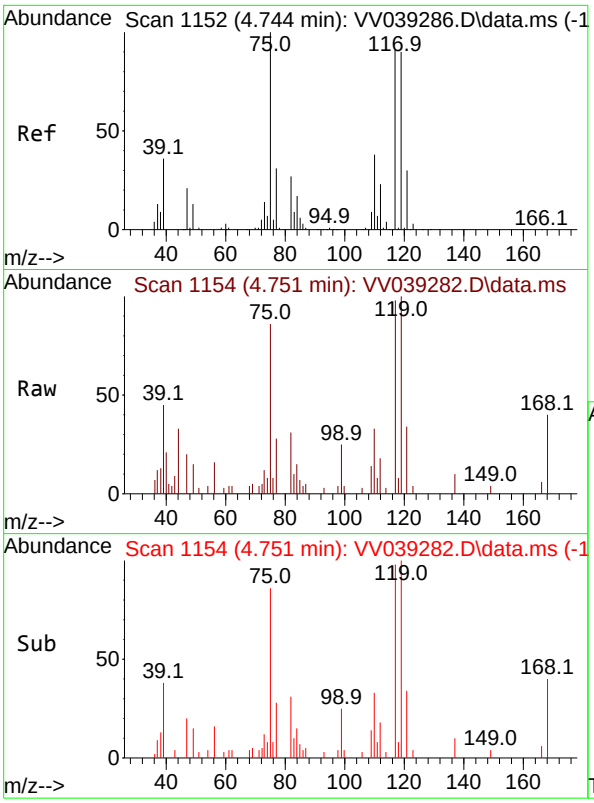
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.50 min

Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.5
192	17.9

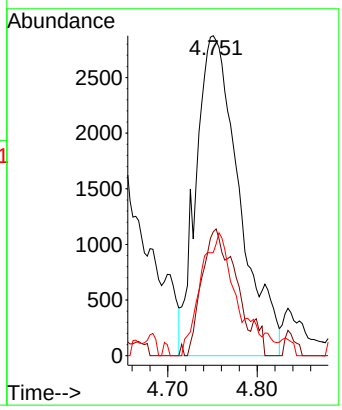




#36
1,1-Dichloropropene
Concen: 1.086 ug/l m
RT: 4.751 min Scan# 1
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 75 Resp: 961

Ion	Ratio	Lower	Upper
75	100		
110	30.1	18.9	56.7
77	28.4	24.1	36.1



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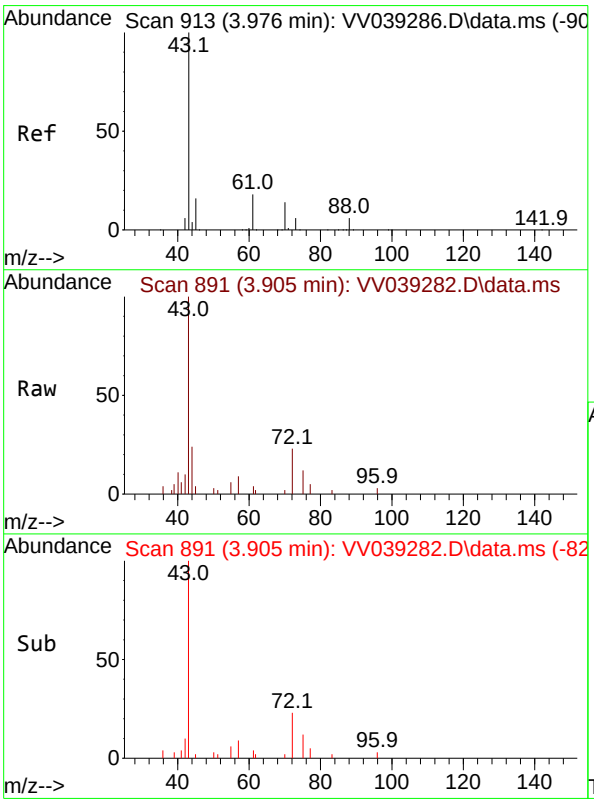
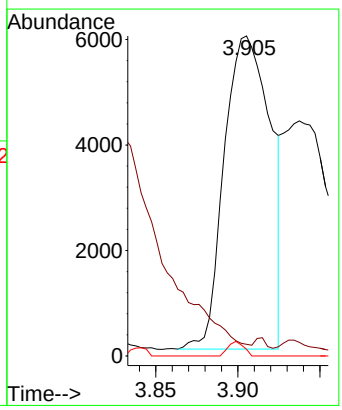
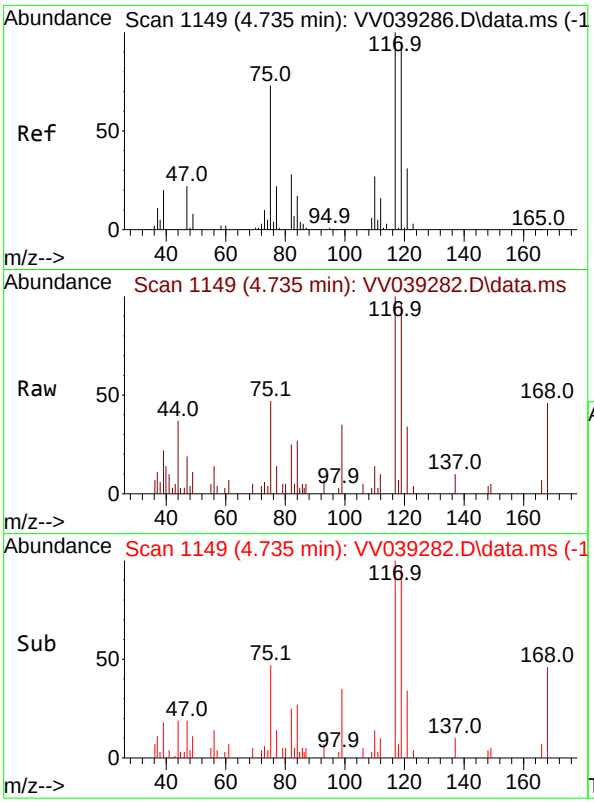


#37
Ethyl Acetate
Concen: 1.127 ug/l
RT: 3.905 min Scan# 891
Delta R.T. -0.071 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 43 Resp: 11654

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	1.6	9.0	13.4#

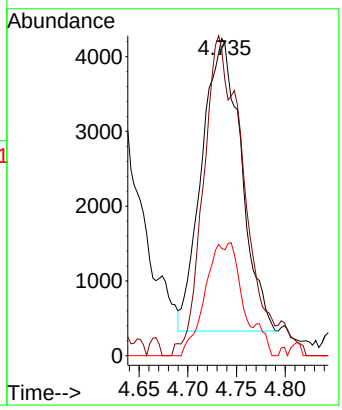




#38
Carbon Tetrachloride
Concen: 0.978 ug/l
RT: 4.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:117 Resp: 1098

Ion	Ratio	Lower	Upper
117	100		
119	100.4	75.9	113.9
121	36.6	24.6	37.0



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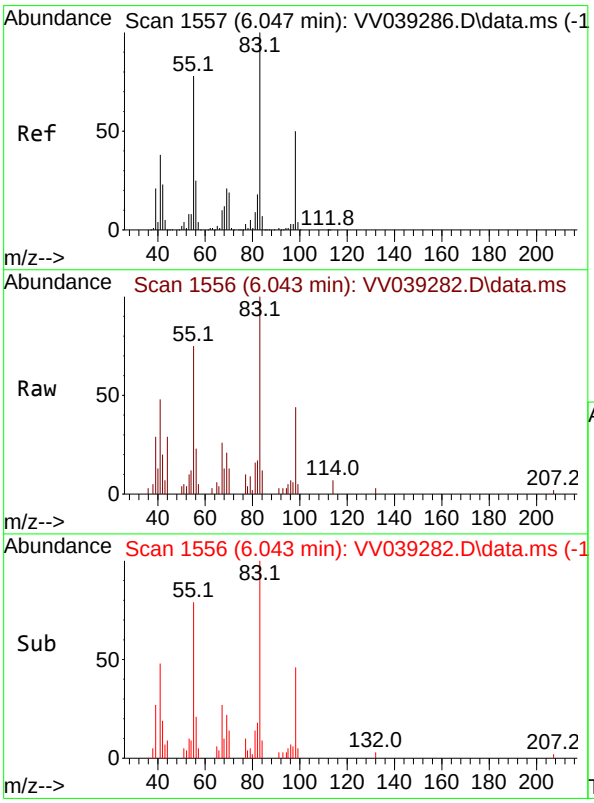
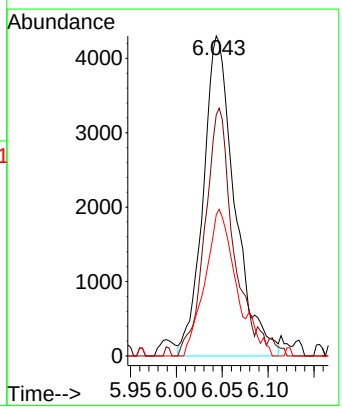
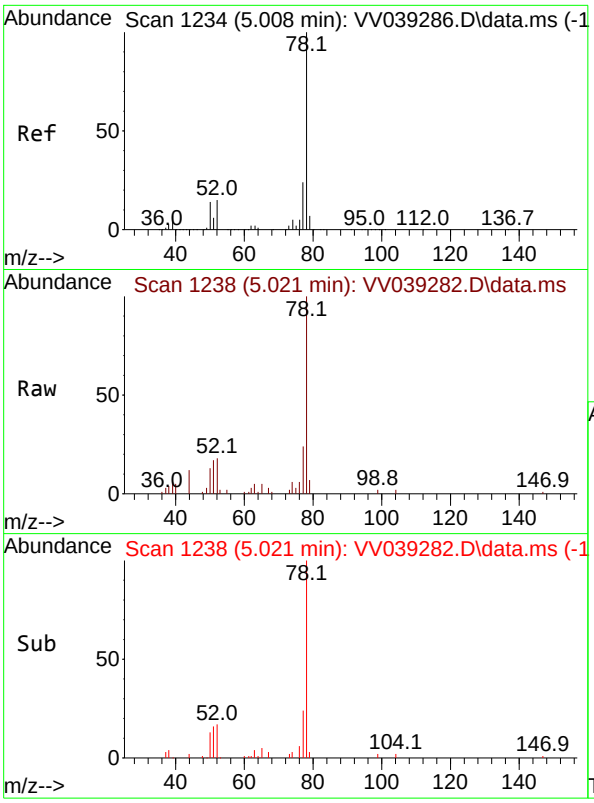


#39
Methylcyclohexane
Concen: 1.016 ug/l
RT: 6.043 min Scan# 1556
Delta R.T. -0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 83 Resp: 10292

Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.1	93.1
98	45.6	40.2	60.4

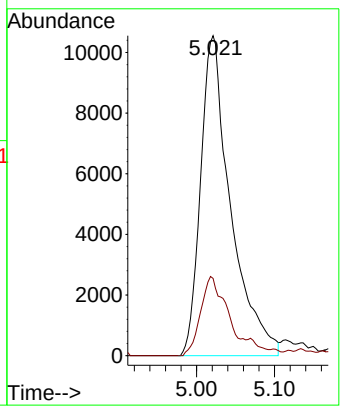




#40
Benzene
Concen: 0.995 ug/l
RT: 5.021 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 78 Resp: 2827

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3



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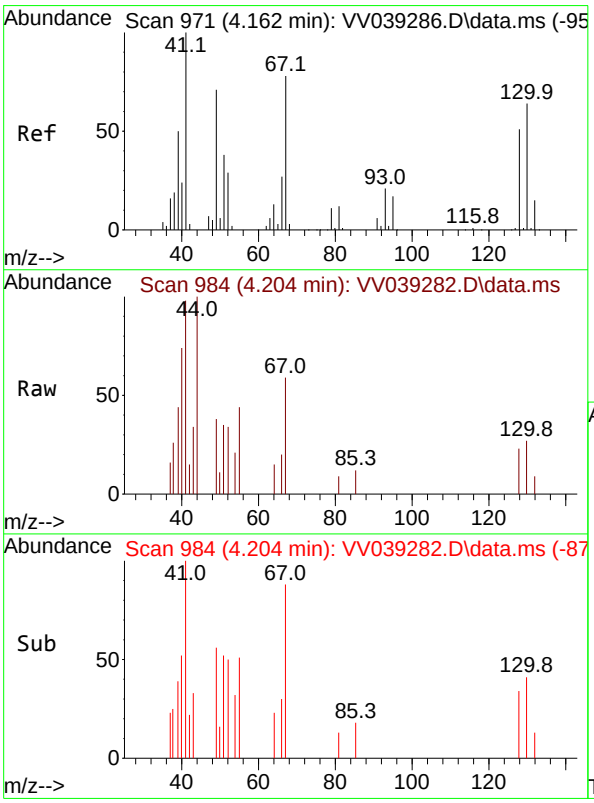
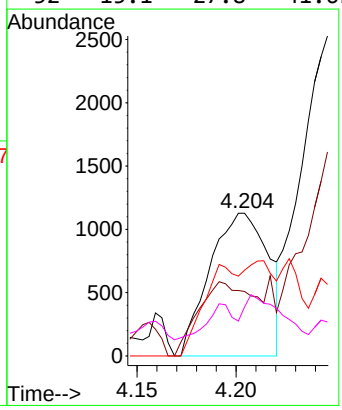
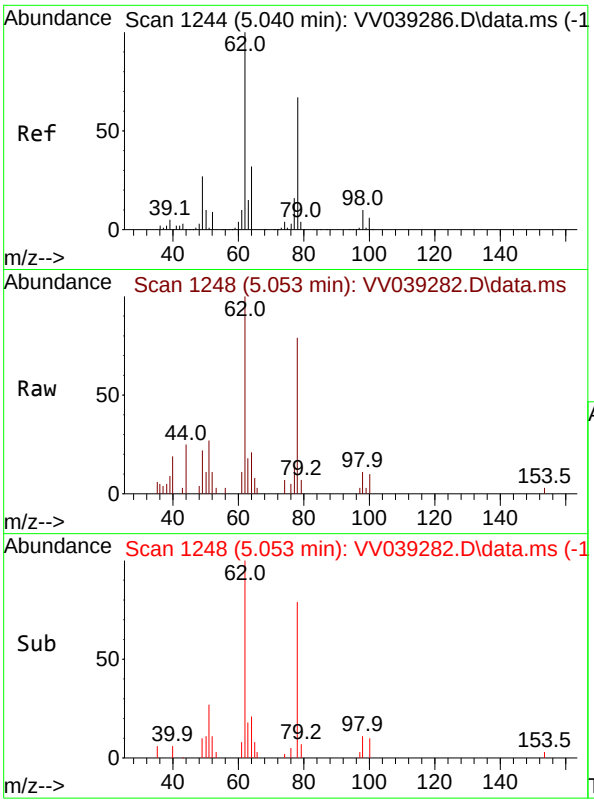


#41
Methacrylonitrile
Concen: 2.194 ug/l m
RT: 4.204 min Scan# 984
Delta R.T. 0.042 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 41 Resp: 2308

Ion	Ratio	Lower	Upper
41	100		
39	9.9	40.9	61.3#
67	0.0	73.1	109.7#
52	15.1	27.8	41.6#





#42
1,2-Dichloroethane
Concen: 1.161 ug/l
RT: 5.053 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 62 Resp: 1158

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	21.0

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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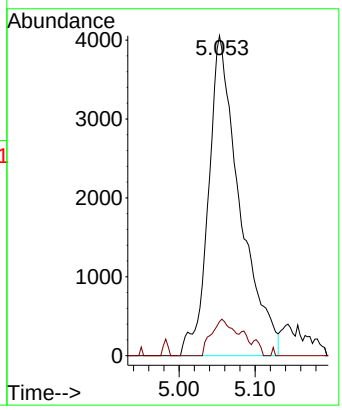
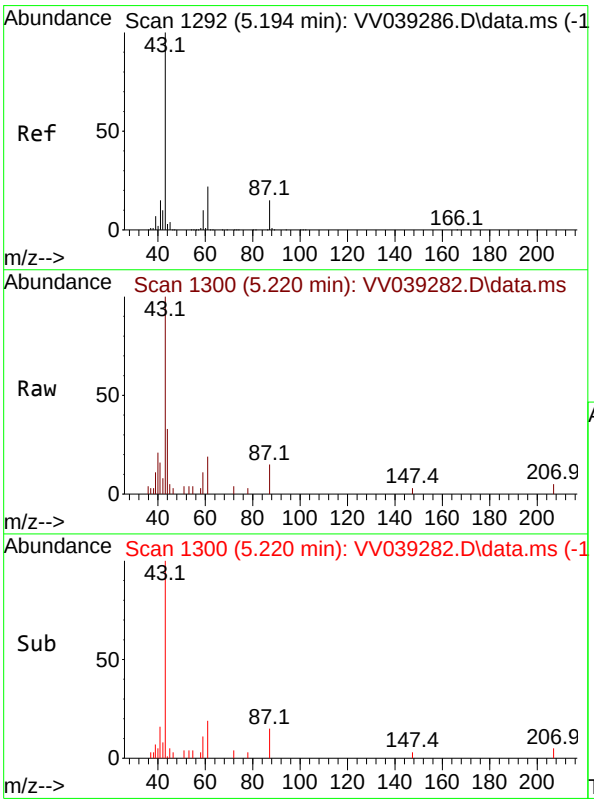
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

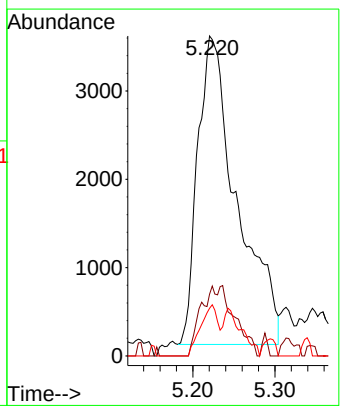


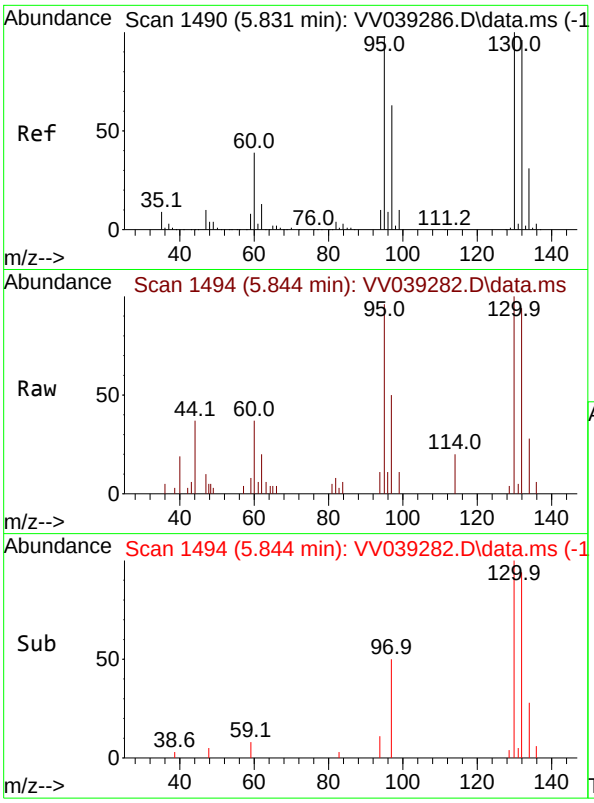


#43
Isopropyl Acetate
Concen: 0.823 ug/l
RT: 5.220 min Scan# 1300
Delta R.T. 0.026 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 43 Resp: 11626

Ion	Ratio	Lower	Upper
43	100		
61	9.8	17.1	25.7#
87	7.2	11.5	17.3#

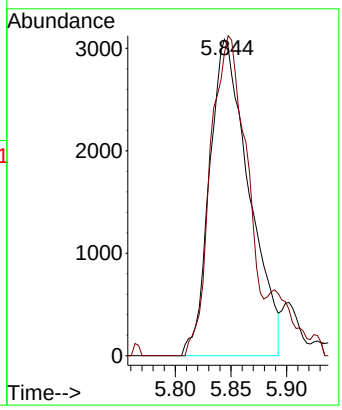




#44
Trichloroethene
Concen: 1.062 ug/l
RT: 5.844 min Scan# 14
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:130 Resp: 759

Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	196.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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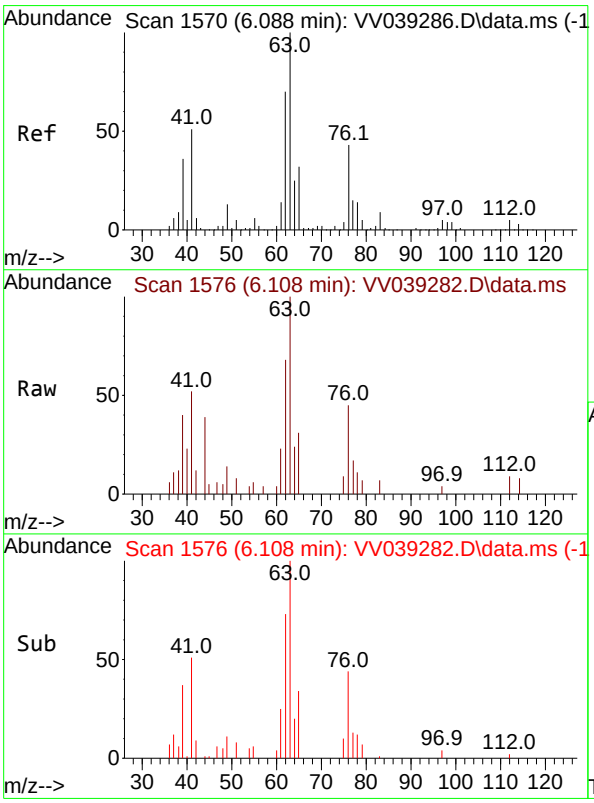
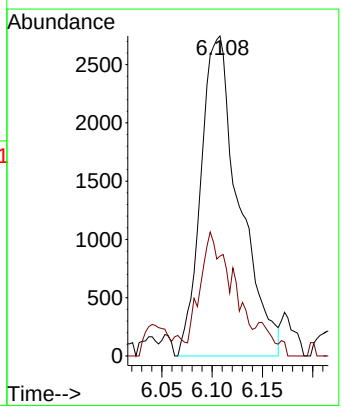
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

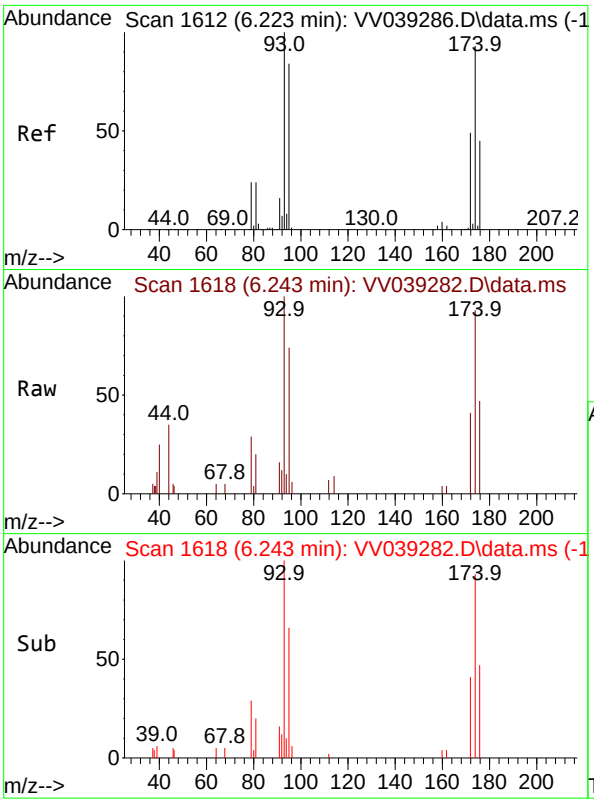


#45
1,2-Dichloropropane
Concen: 1.048 ug/l
RT: 6.108 min Scan# 1576
Delta R.T. 0.019 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 63 Resp: 7250

Ion	Ratio	Lower	Upper
63	100		
65	27.5	25.4	38.2

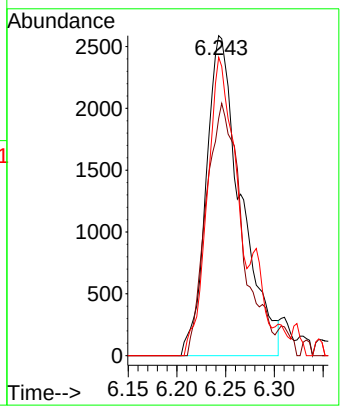




#46
Dibromomethane
Concen: 1.112 ug/l
RT: 6.243 min Scan# 1
Delta R.T. 0.019 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 93 Resp: 643

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.6	98.4
174	75.9	74.6	112.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

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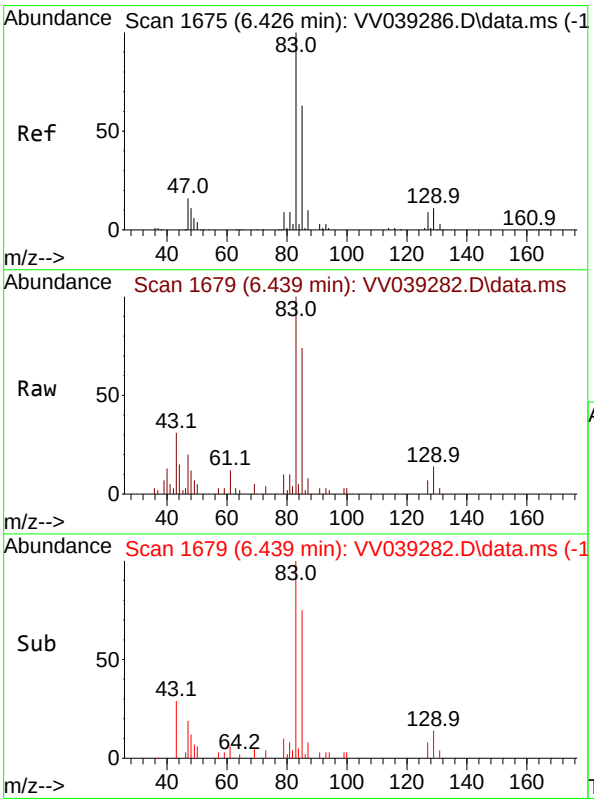
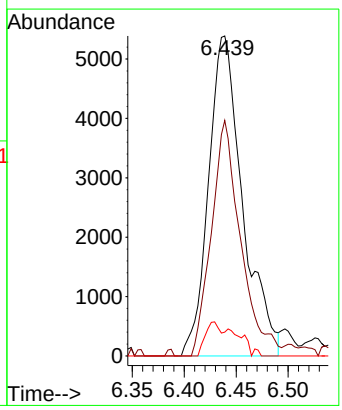
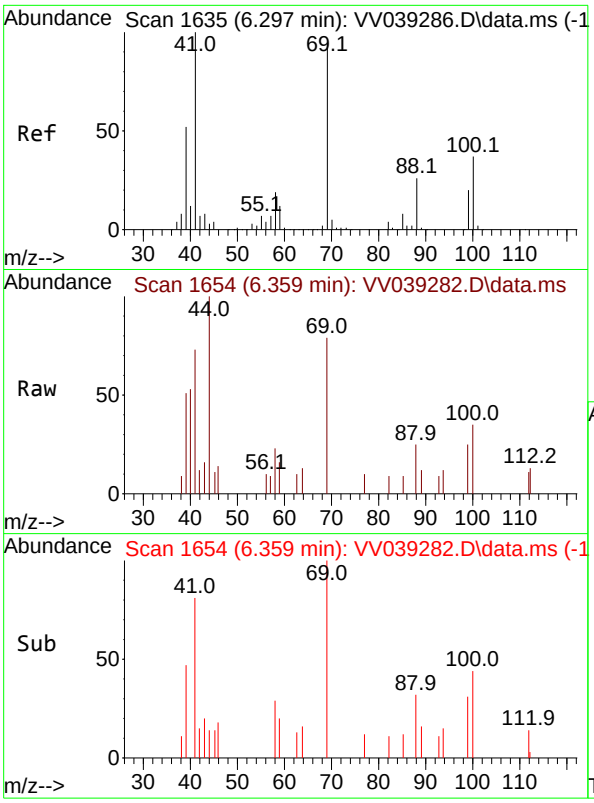


#47
Bromodichloromethane
Concen: 1.079 ug/l
RT: 6.439 min Scan# 1679
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 83 Resp: 12294

Ion	Ratio	Lower	Upper
83	100		
85	73.6	50.9	76.3
127	7.5	7.0	10.6





#48
Methyl methacrylate
Concen: 1.250 ug/l m
RT: 6.359 min Scan# 1
Delta R.T. 0.061 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 41 Resp: 786

Ion	Ratio	Lower	Upper
41	100		
69	0.0	77.2	115.8#
39	0.0	41.4	62.0#

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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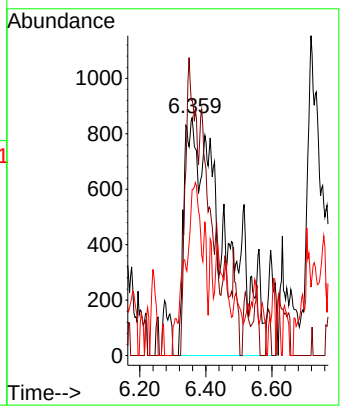
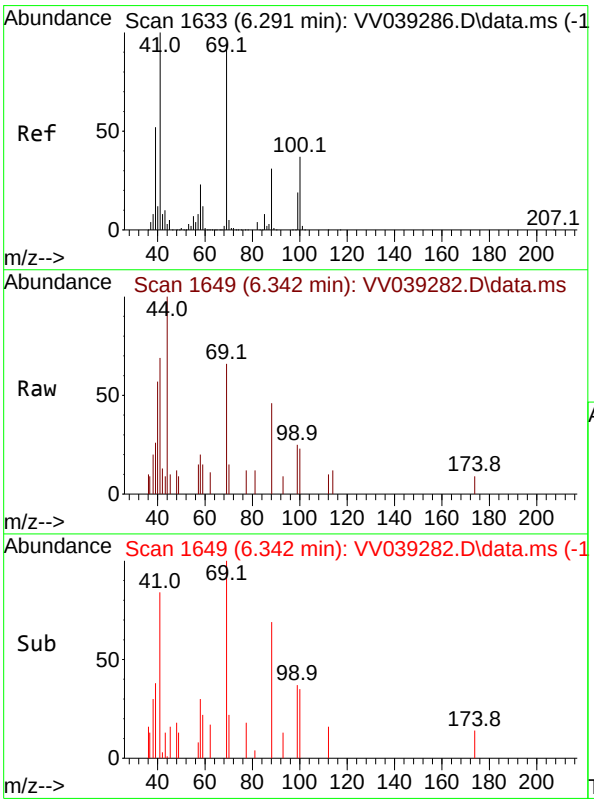
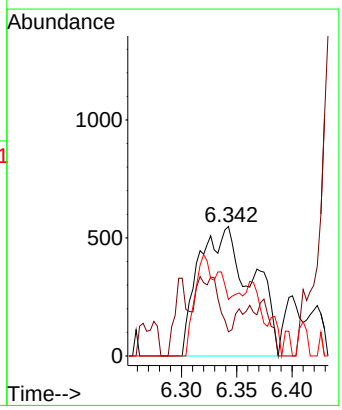


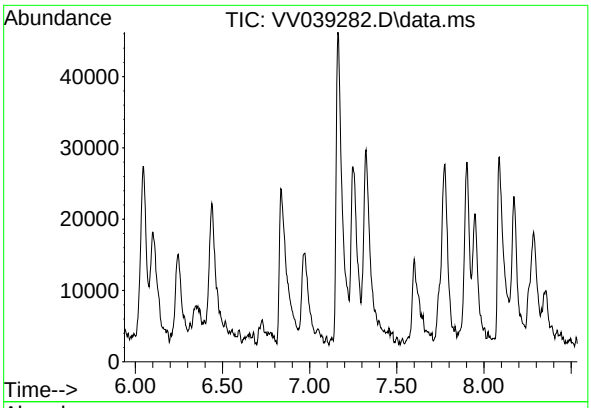


#49
1,4-Dioxane
Concen: 17.505 ug/l m
RT: 6.342 min Scan# 1649
Delta R.T. 0.052 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 88 Resp: 1832

Ion	Ratio	Lower	Upper
88	100		
43	5.2	24.1	36.1#
58	26.4	57.6	86.4#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.24 min

Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	66.0

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

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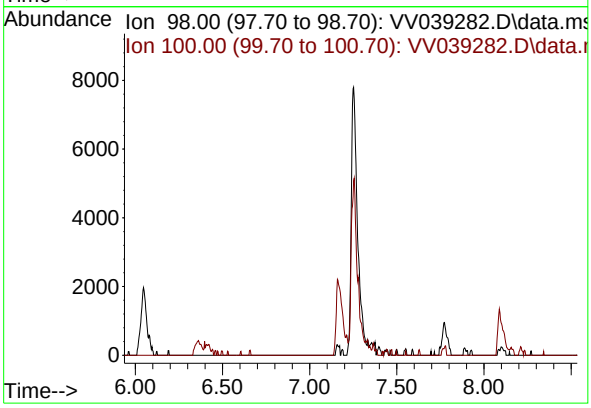
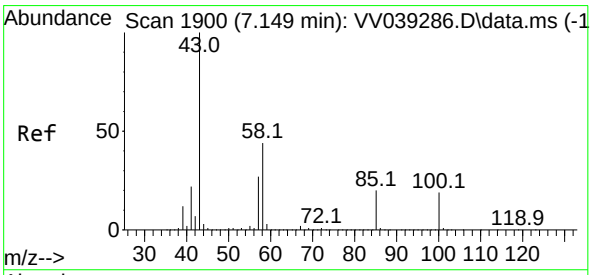
Supervised By :Mahesh Dadoda 10/10/2025

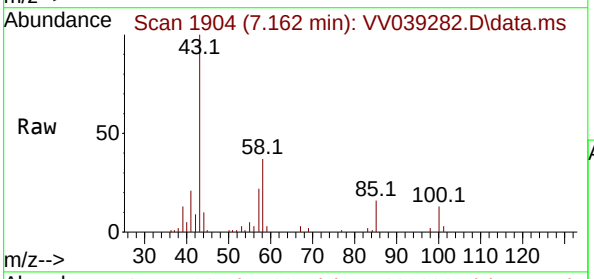


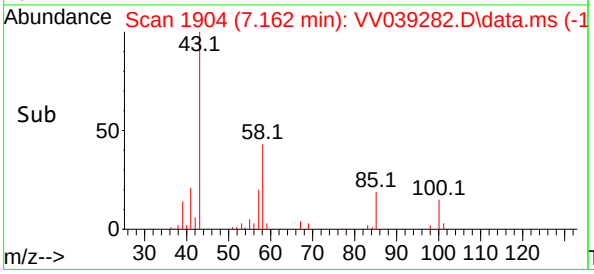


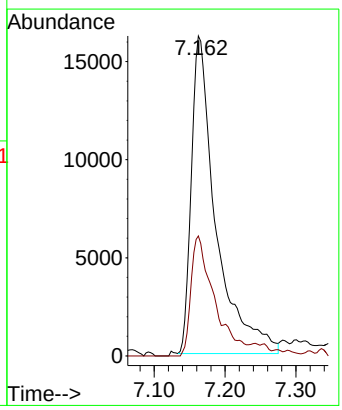
#51
4-Methyl-2-Pentanone
Concen: 4.135 ug/l
RT: 7.162 min Scan# 1904
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

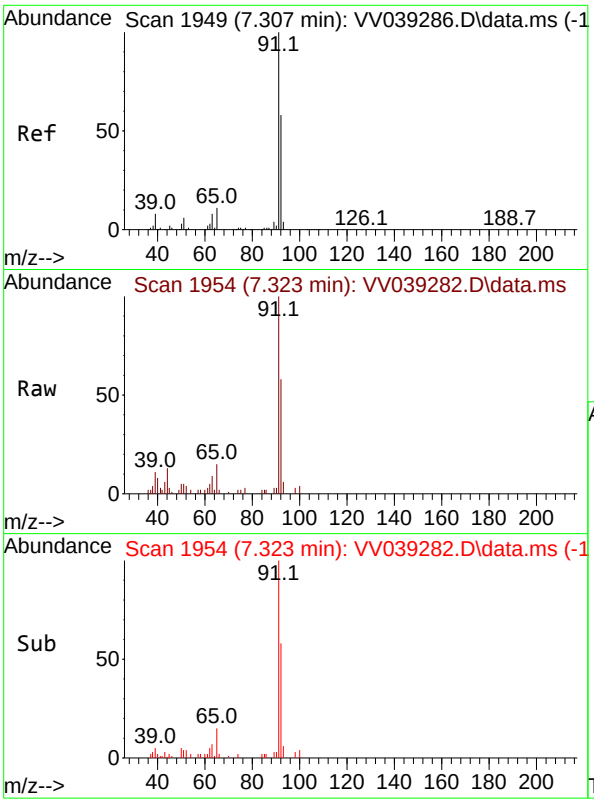
Tgt Ion: 43 Resp: 38959

Ion	Ratio	Lower	Upper
43	100		
58	36.0	34.2	51.4





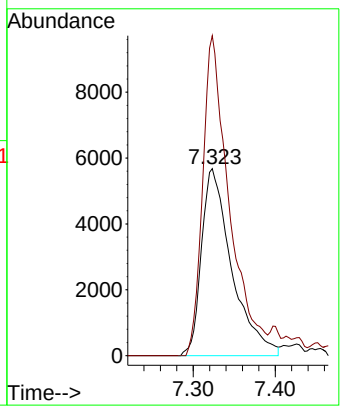




#52
Toluene
Concen: 0.850 ug/l
RT: 7.323 min Scan# 1
Delta R.T. 0.016 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 92 Resp: 1458

Ion	Ratio	Lower	Upper
92	100		
91	150.1	137.3	205.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

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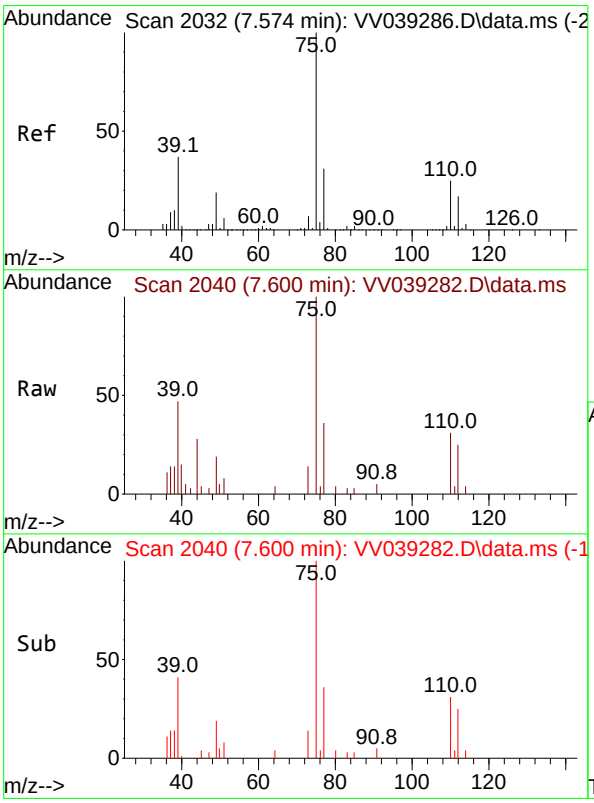
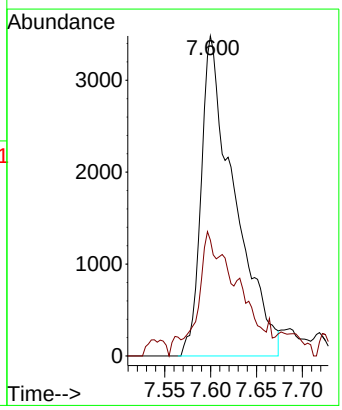
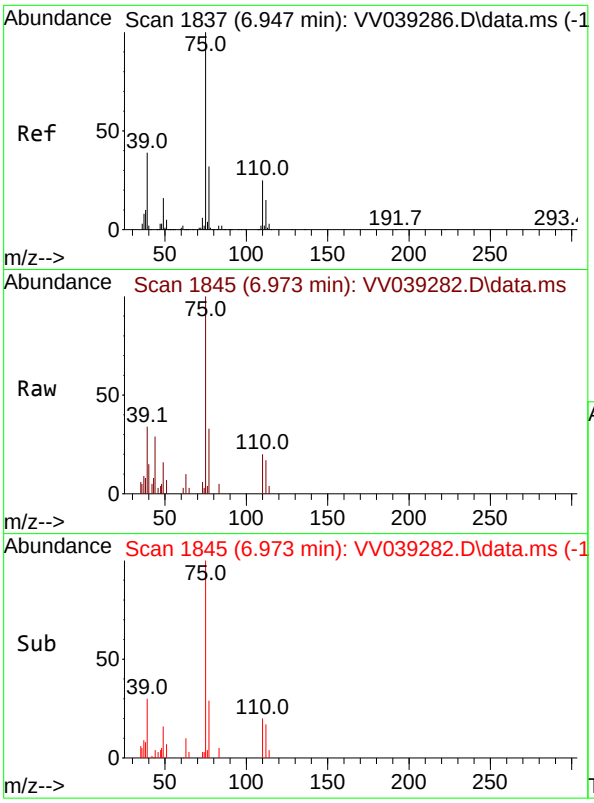


#53
t-1,3-Dichloropropene
Concen: 0.880 ug/l
RT: 7.600 min Scan# 2040
Delta R.T. 0.026 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 75 Resp: 8766

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.1	37.7

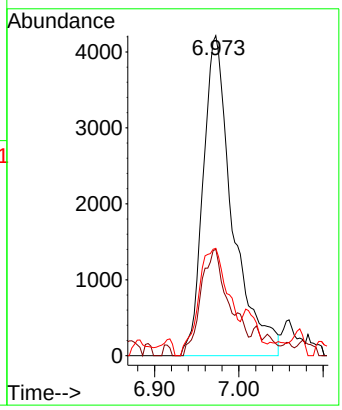




#54
cis-1,3-Dichloropropene
Concen: 0.922 ug/l
RT: 6.973 min Scan# 1
Delta R.T. 0.026 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 75 Resp: 1021

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.6	38.4
39	33.6	31.0	46.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

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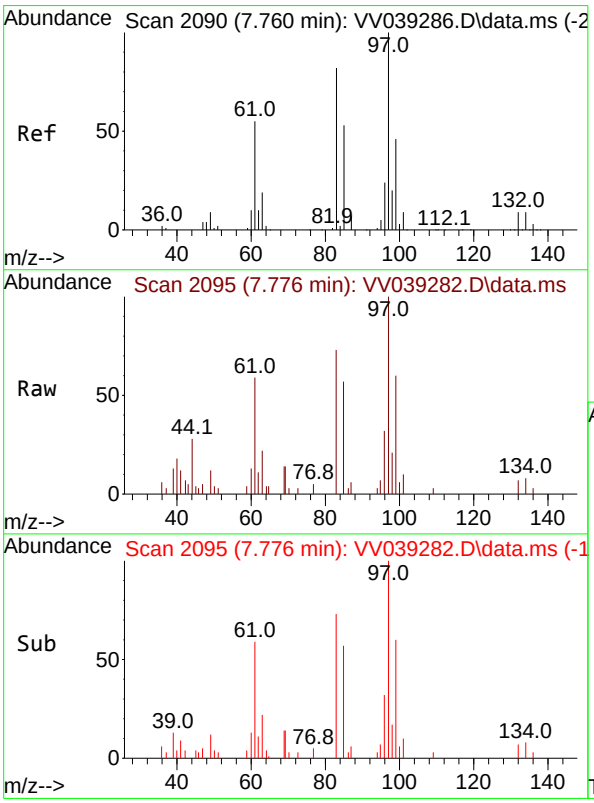
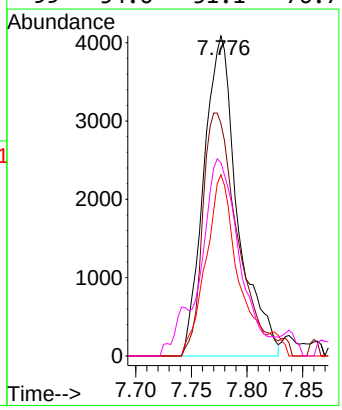
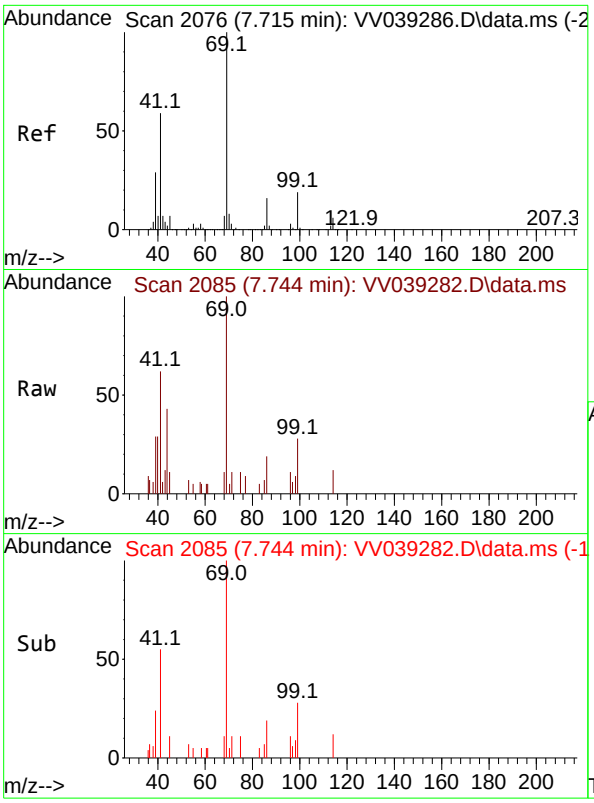


#55
1,1,2-Trichloroethane
Concen: 1.113 ug/l
RT: 7.776 min Scan# 2095
Delta R.T. 0.016 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 97 Resp: 8628

Ion	Ratio	Lower	Upper
97	100		
83	72.7	65.8	98.8
85	56.6	43.3	64.9
99	54.6	51.1	76.7





#56
Ethyl methacrylate
Concen: 0.889 ug/l m
RT: 7.744 min Scan# 2
Delta R.T. 0.029 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 69 Resp: 769

Ion	Ratio	Lower	Upper
69	100		
41	30.9	47.1	70.7#
39	12.8	23.2	34.8#

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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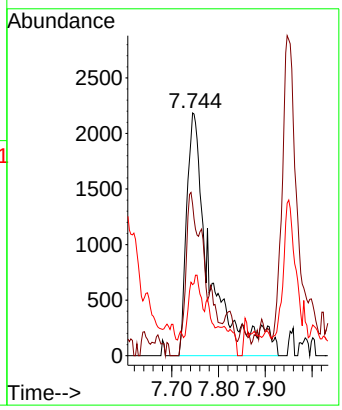
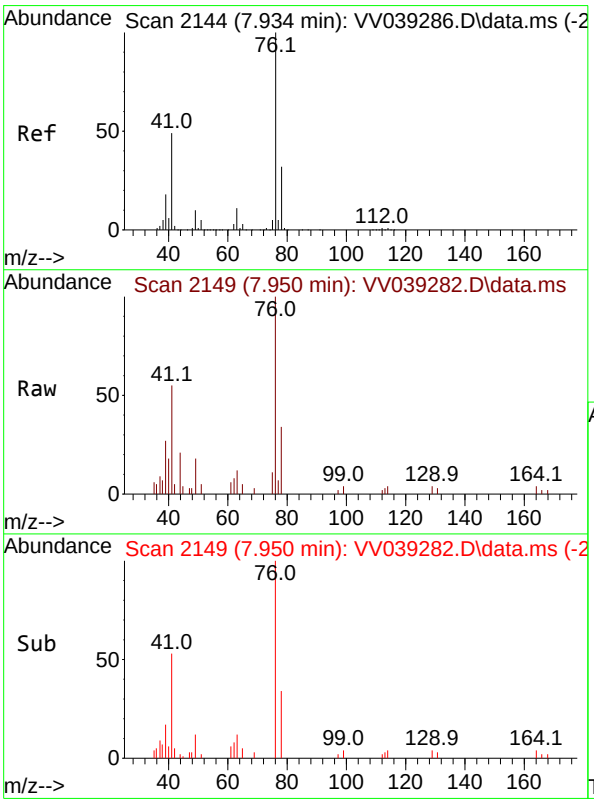
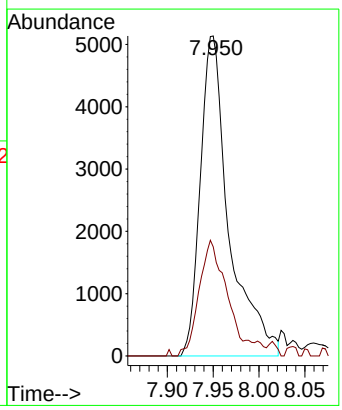


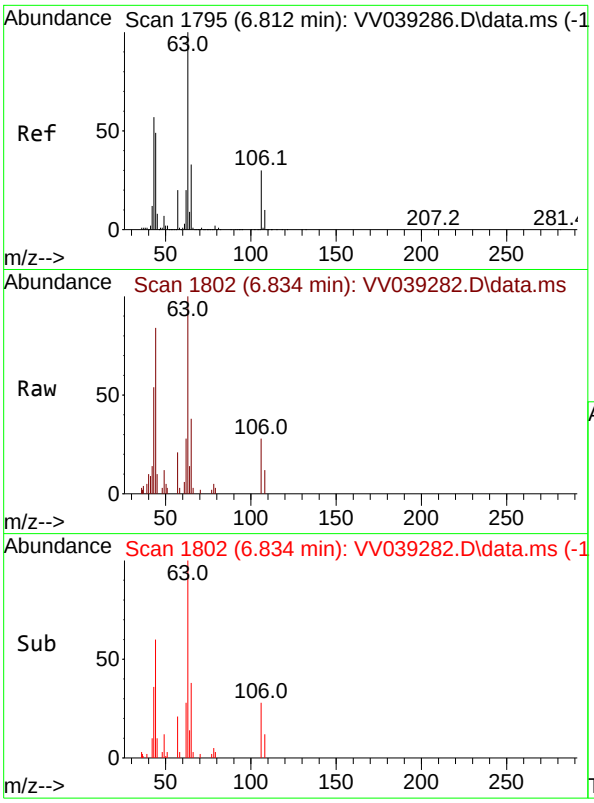


#57
1,3-Dichloropropane
Concen: 0.957 ug/l
RT: 7.950 min Scan# 2149
Delta R.T. 0.016 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 76 Resp: 11189

Ion	Ratio	Lower	Upper
76	100		
78	36.8	25.6	38.4

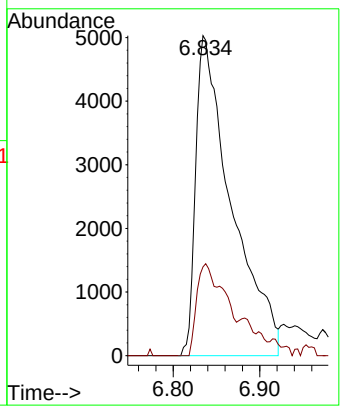




#58
2-Chloroethyl Vinyl ether
Concen: 10.957 ug/l
RT: 6.834 min Scan# 1
Delta R.T. 0.023 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 63 Resp: 1443

Ion	Ratio	Lower	Upper
63	100		
106	22.4	23.5	35.3



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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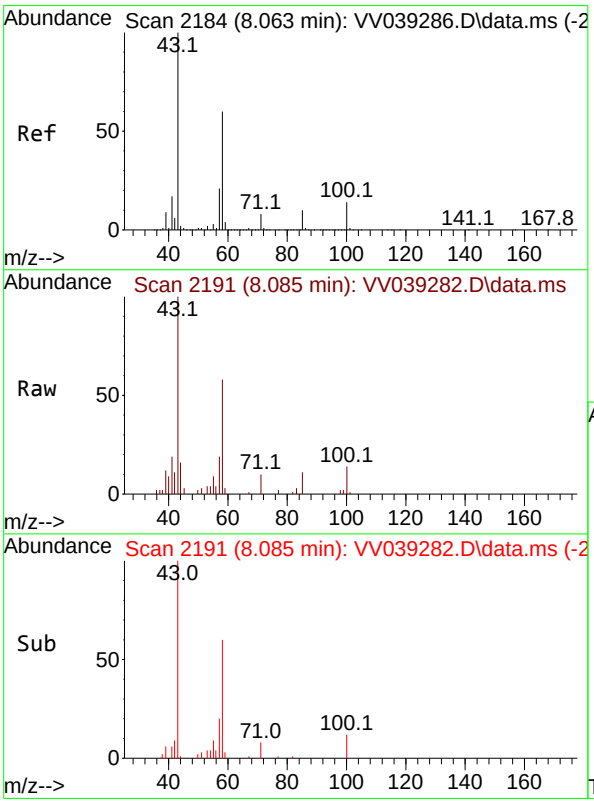
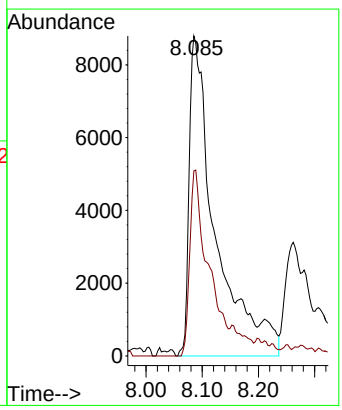
Supervised By :Mahesh Dadoda 10/10/2025

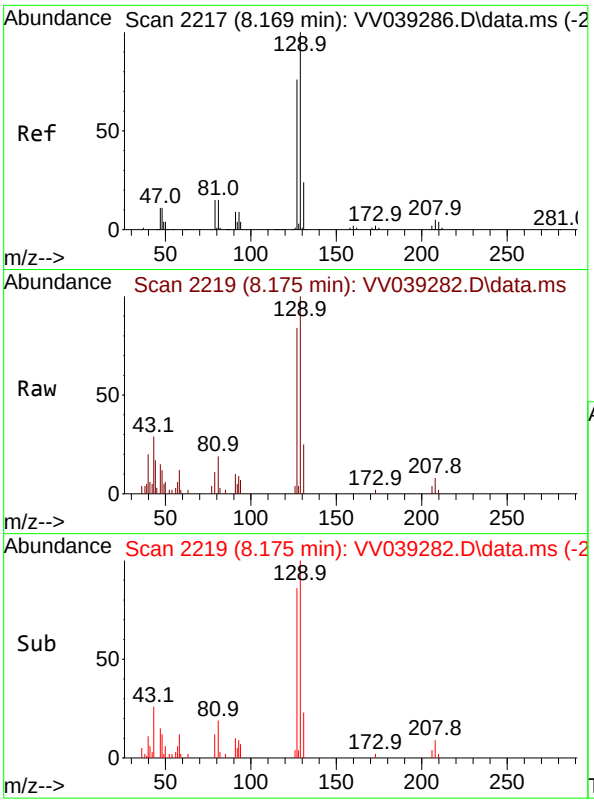


#59
2-Hexanone
Concen: 4.117 ug/l m
RT: 8.085 min Scan# 2191
Delta R.T. 0.023 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 43 Resp: 28473

Ion	Ratio	Lower	Upper
43	100		
58	40.5	29.6	88.9

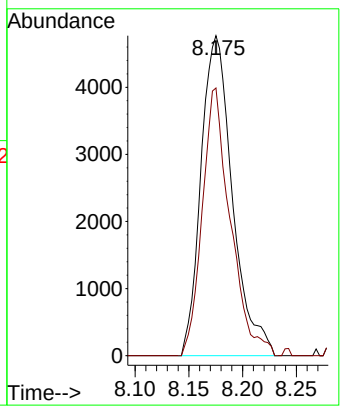




#60
Dibromochloromethane
Concen: 1.069 ug/l
RT: 8.175 min Scan# 2
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:129 Resp: 968

Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.4	115.1



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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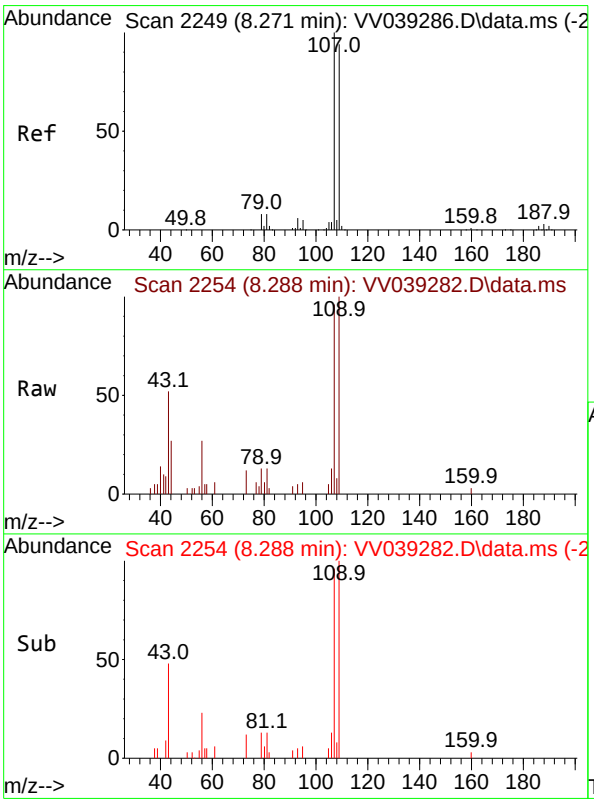
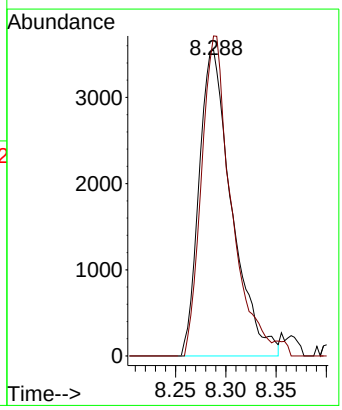
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

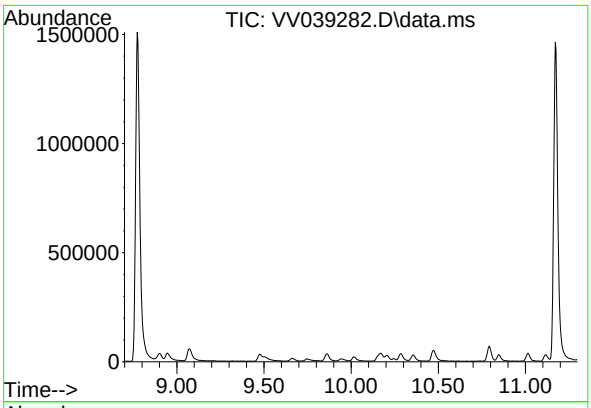


#61
1,2-Dibromoethane
Concen: 0.992 ug/l
RT: 8.288 min Scan# 2254
Delta R.T. 0.016 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:107 Resp: 8007

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.8	113.6





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 10.00 min

Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	76.8
176	73.0

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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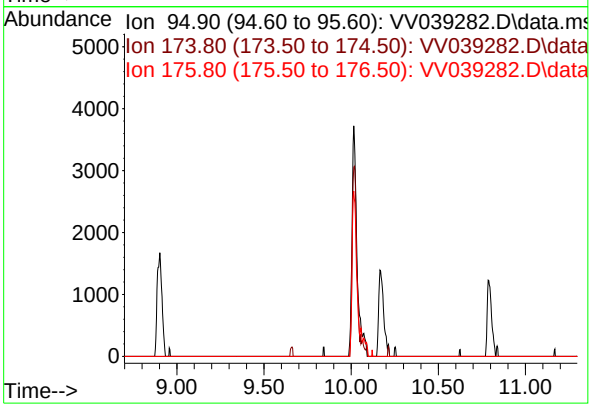
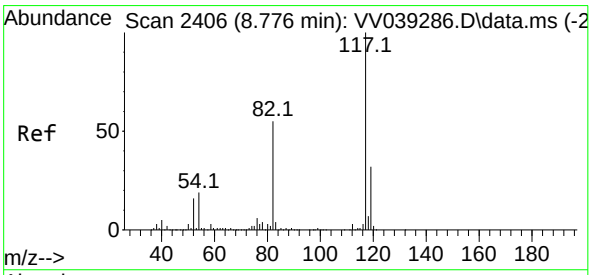
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

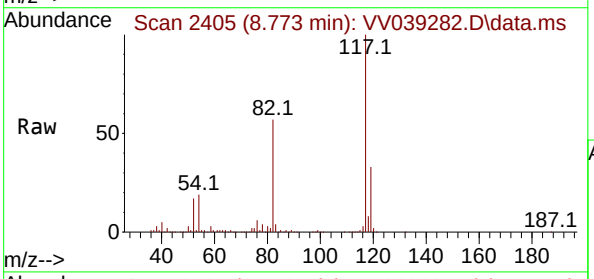


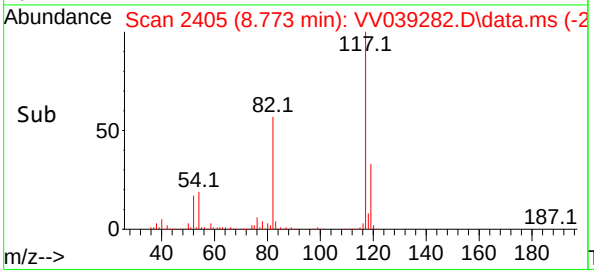


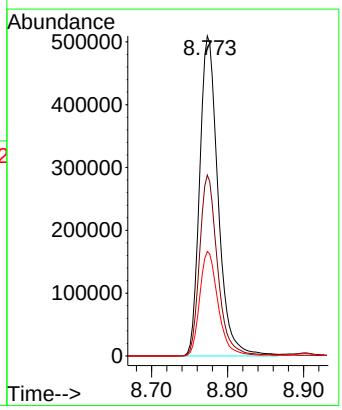
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

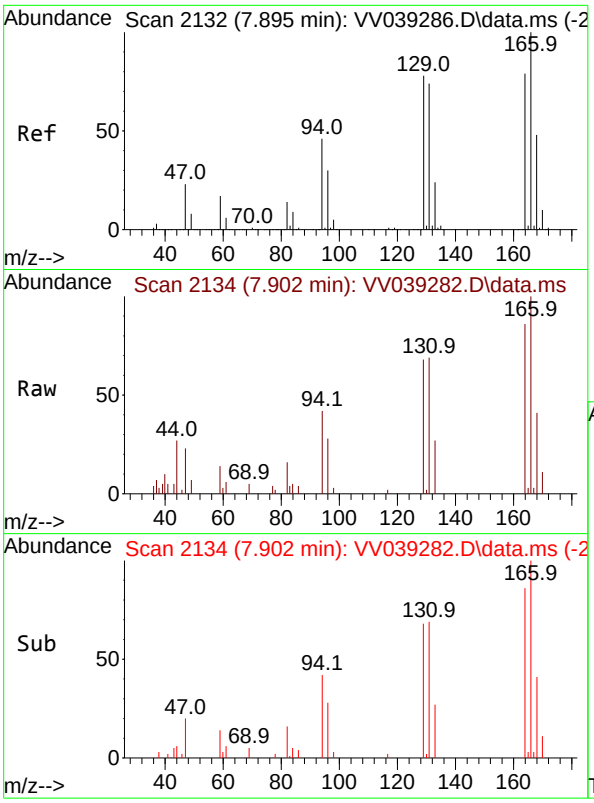
Tgt Ion:117 Resp: 857185

Ion	Ratio	Lower	Upper
117	100		
82	56.5	43.8	65.8
119	32.7	25.8	38.6





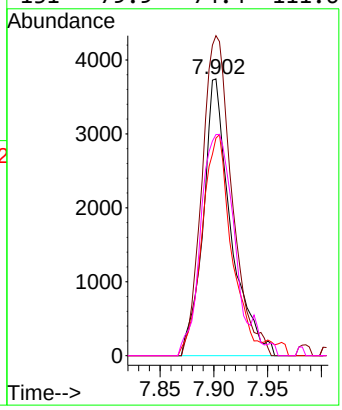




#64
Tetrachloroethene
Concen: 1.069 ug/l
RT: 7.902 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:164 Resp: 668

Ion	Ratio	Lower	Upper
164	100		
166	115.6	101.0	151.6
129	78.6	79.0	118.6#
131	79.9	74.4	111.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

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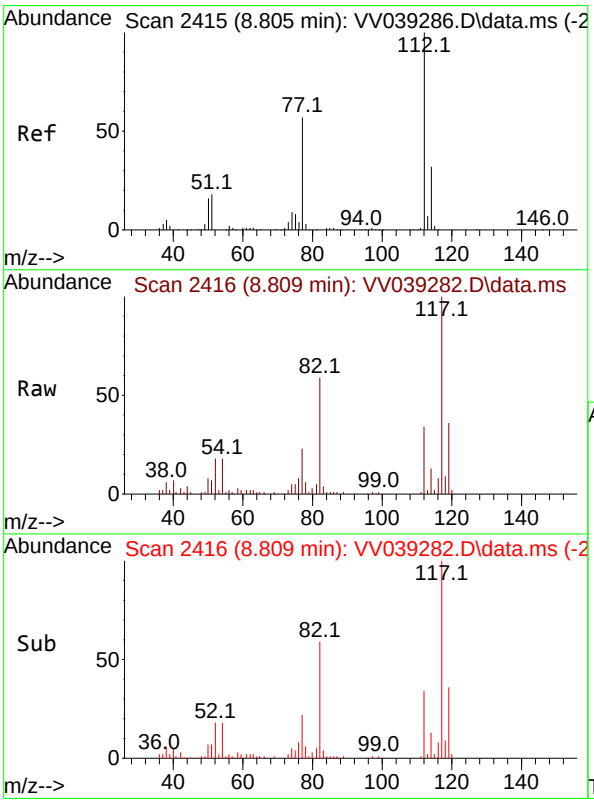
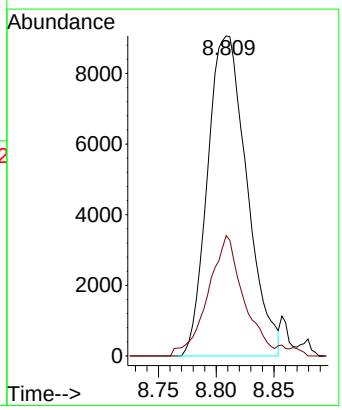
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

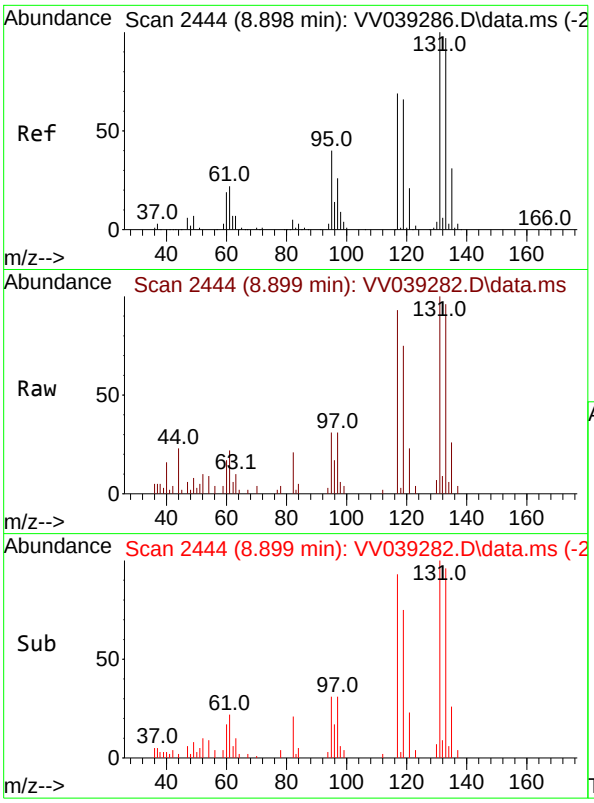


#65
Chlorobenzene
Concen: 1.056 ug/l
RT: 8.809 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:112 Resp: 21425

Ion	Ratio	Lower	Upper
112	100		
114	35.2	25.7	38.5





#66
1,1,1,2-Tetrachloroethane
Concen: 1.144 ug/l
RT: 8.899 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:131 Resp: 869

Ion	Ratio	Lower	Upper
131	100		
133	103.2	47.8	143.3
119	0.0	32.7	98.1#

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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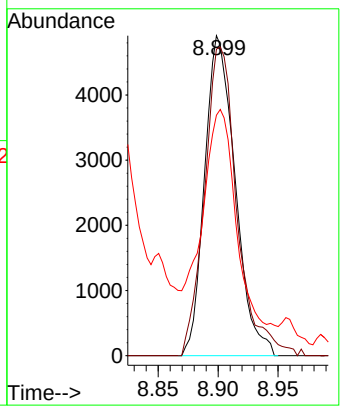
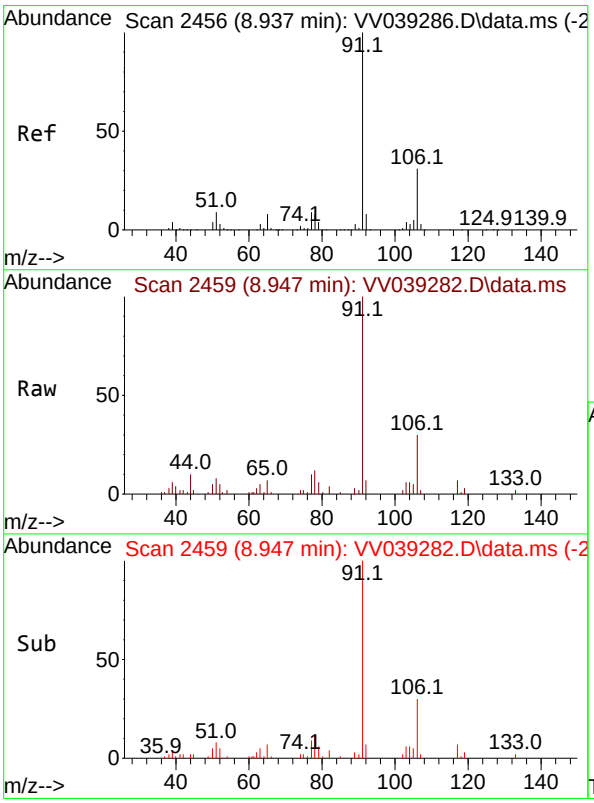
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

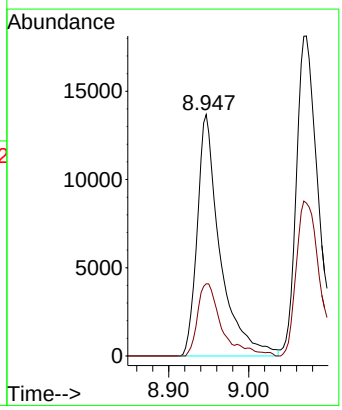


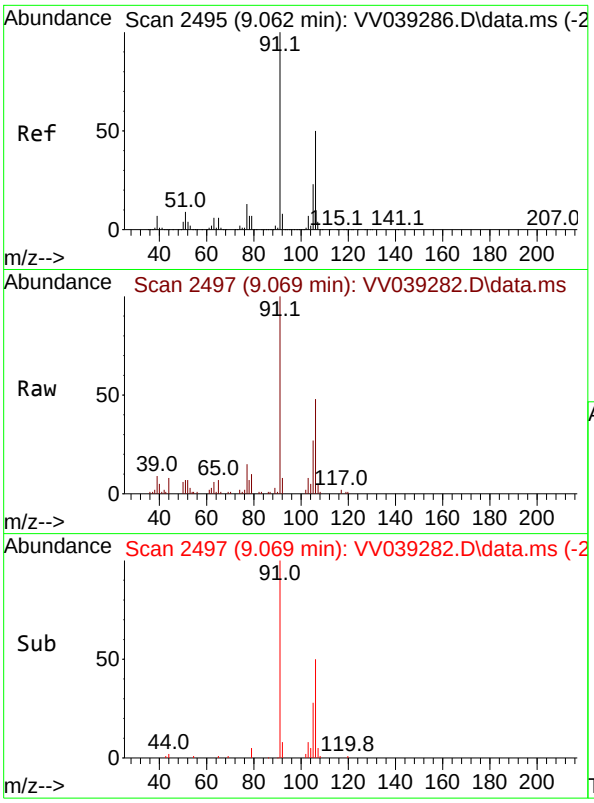


#67
Ethyl Benzene
Concen: 0.910 ug/l
RT: 8.947 min Scan# 2459
Delta R.T. 0.010 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 91 Resp: 27200

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.6	37.0





#68
m/p-Xylenes
Concen: 1.636 ug/l
RT: 9.069 min Scan# 24
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:106 Resp: 1939

Ion	Ratio	Lower	Upper
106	100		
91	182.4	160.2	240.2

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

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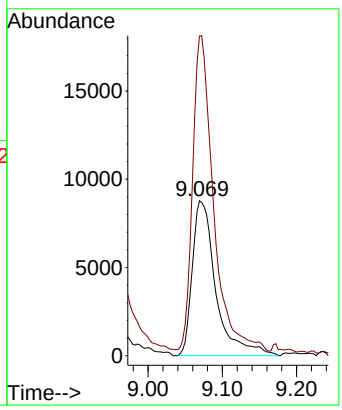
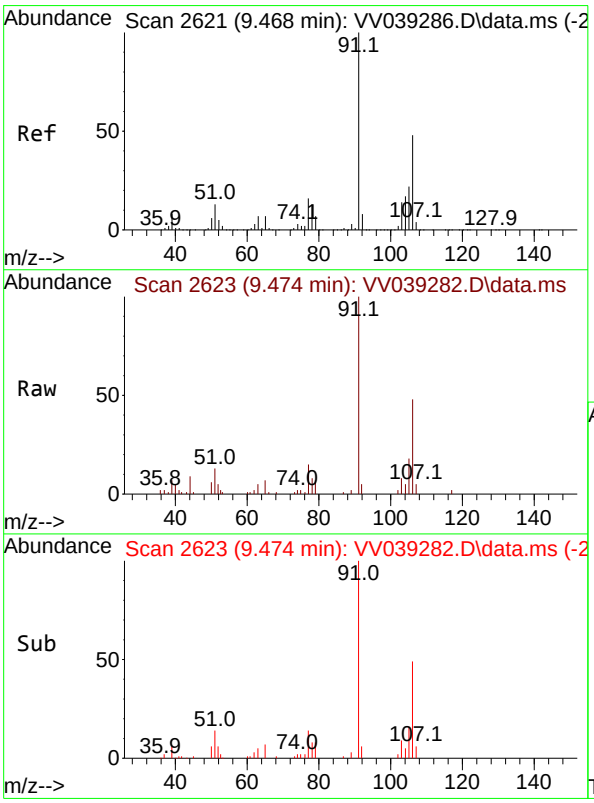
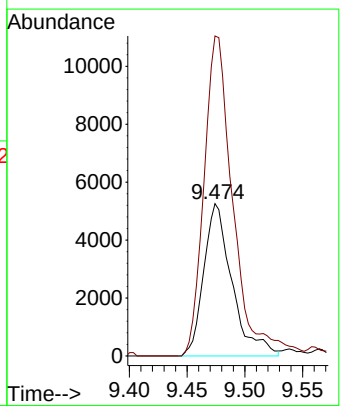


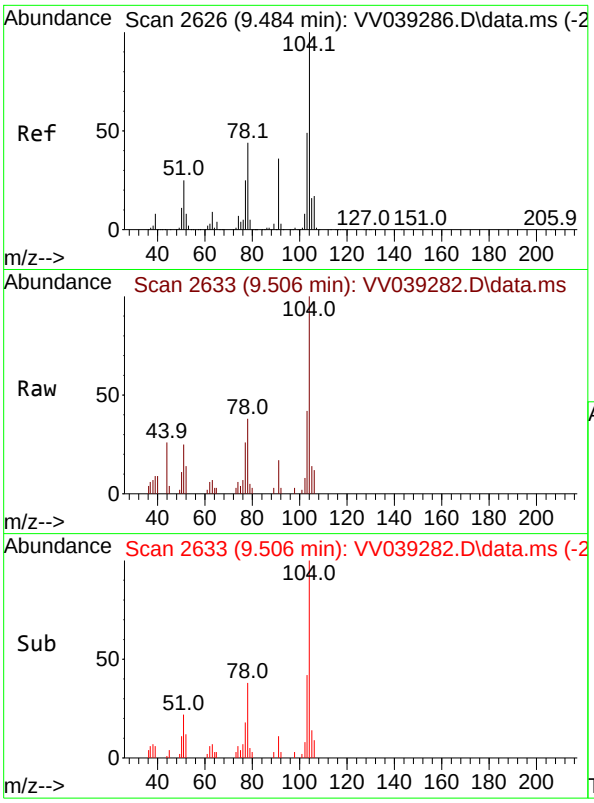


#69
o-Xylene
Concen: 0.856 ug/l
RT: 9.474 min Scan# 2623
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:106 Resp: 8958

Ion	Ratio	Lower	Upper
106	100		
91	215.8	105.8	317.3





#70
Styrene
Concen: 0.772 ug/l m
RT: 9.506 min Scan# 2
Delta R.T. 0.023 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:104 Resp: 1438

Ion	Ratio	Lower	Upper
104	100		
78	39.3	38.9	58.3
103	32.9	42.9	64.3#

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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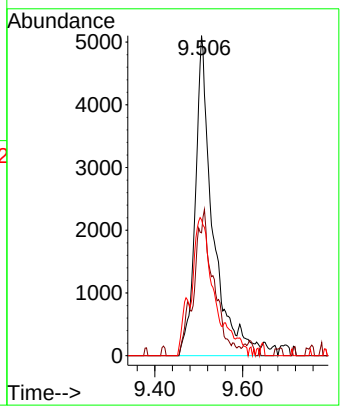
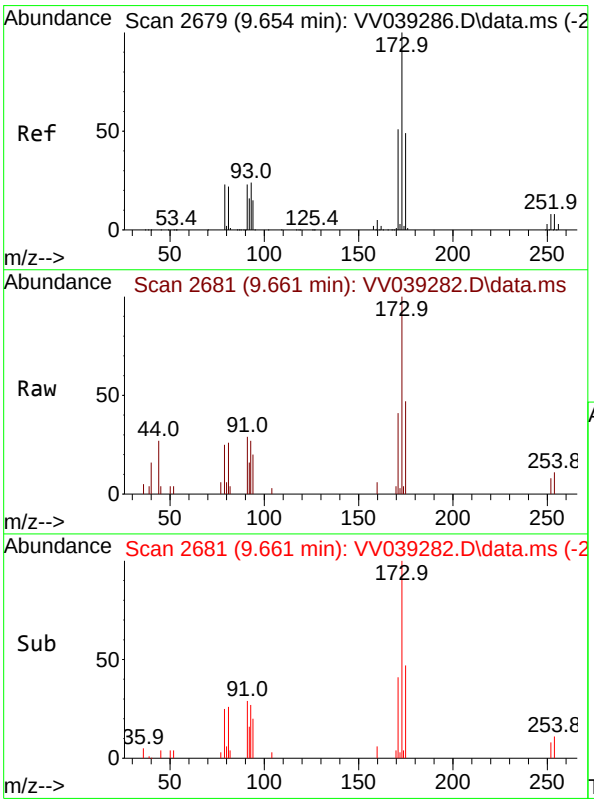
Supervised By :Mahesh Dadoda 10/10/2025

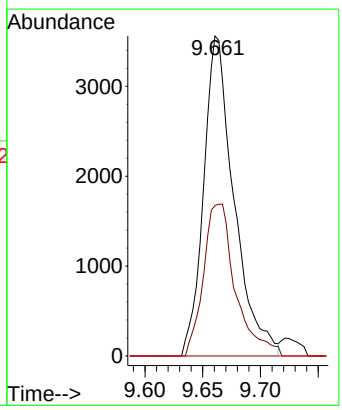


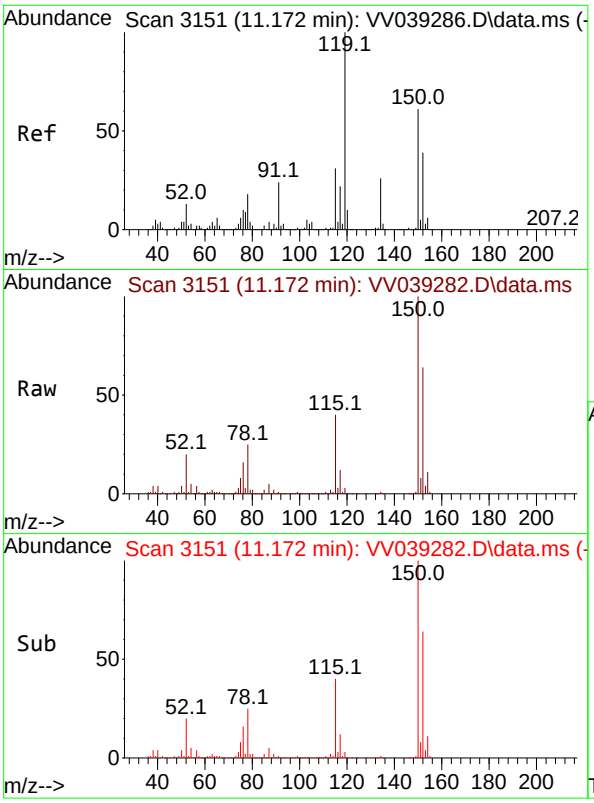


#71
Bromoform
Concen: 1.058 ug/l
RT: 9.661 min Scan# 2681
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:173 Resp: 6502

Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.6	73.6
254	0.0	0.2	0.2#

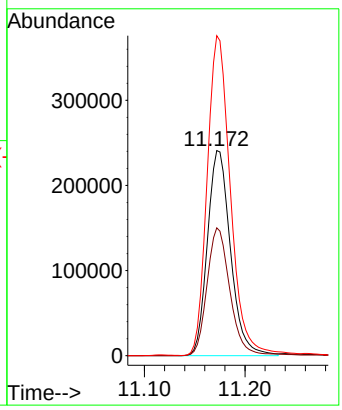




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:152 Resp: 38579

Ion	Ratio	Lower	Upper
152	100		
115	61.7	42.3	126.8
150	157.0	0.0	348.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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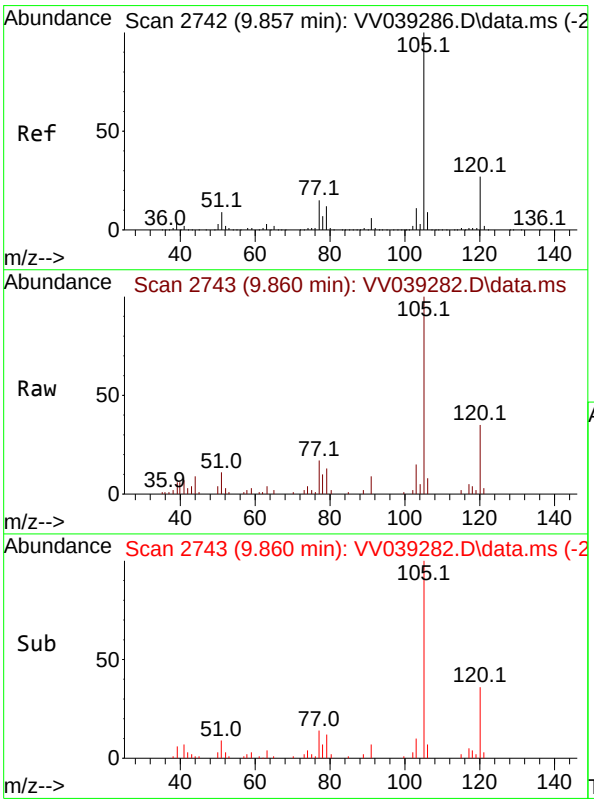
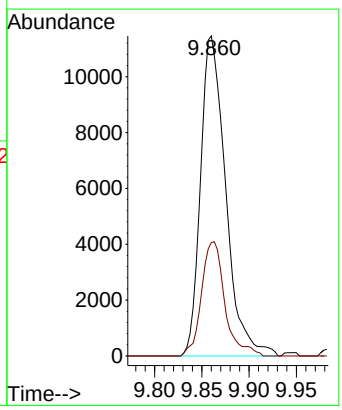
Supervised By :Mahesh Dadoda 10/10/2025

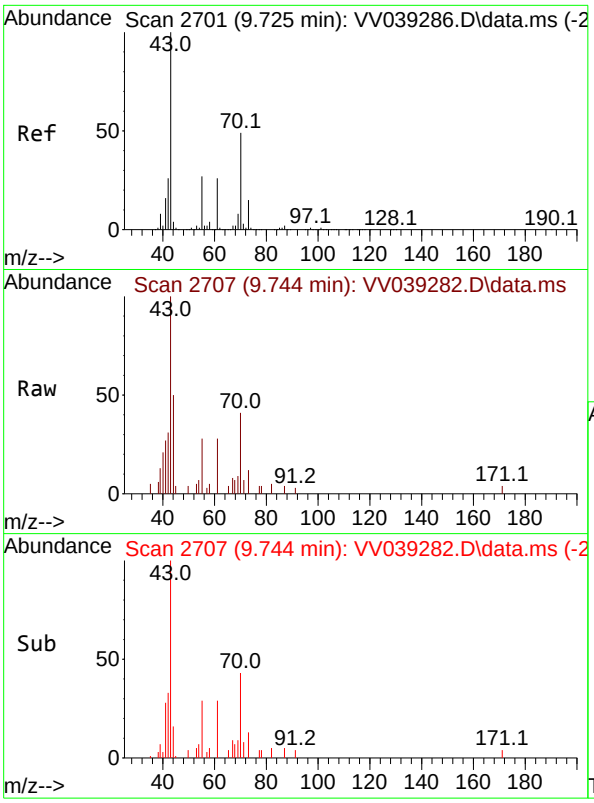


#73
Isopropylbenzene
Concen: 0.904 ug/l
RT: 9.860 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:105 Resp: 21180

Ion	Ratio	Lower	Upper
105	100		
120	33.2	13.2	39.5

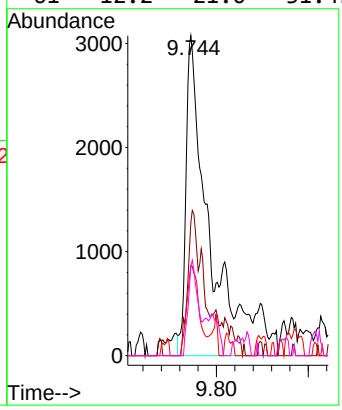




#74
N-amyl acetate
Concen: 1.151 ug/l m
RT: 9.744 min Scan# 2
Delta R.T. 0.019 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 43 Resp: 1119

Ion	Ratio	Lower	Upper
43	100		
70	17.4	38.6	58.0#
55	14.5	21.9	32.9#
61	12.2	21.0	31.4#



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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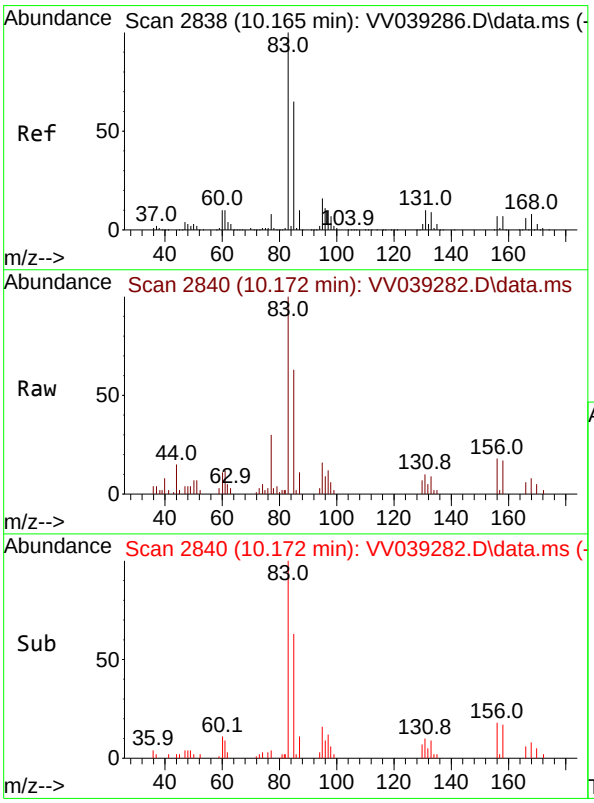
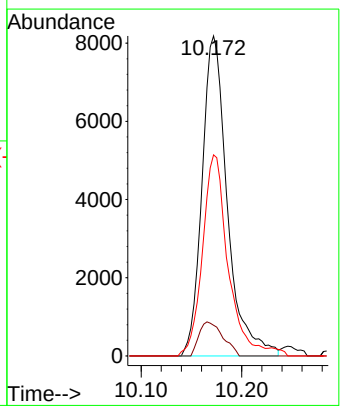
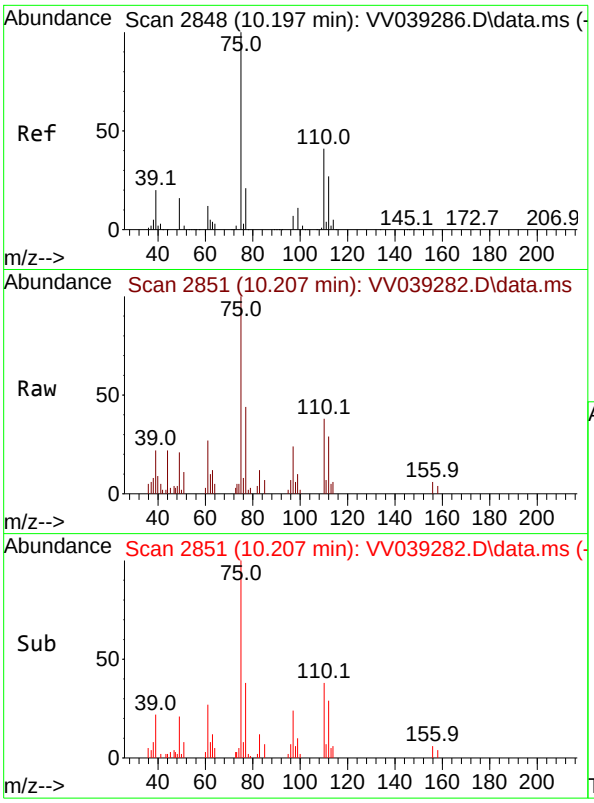


#75
1,1,2,2-Tetrachloroethane
Concen: 1.330 ug/l
RT: 10.172 min Scan# 2840
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 83 Resp: 14304

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.1	32.4	97.2

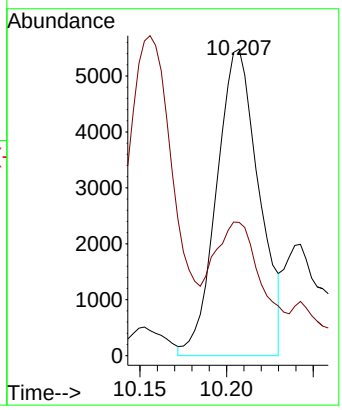




#76
1,2,3-Trichloropropane
Concen: 1.210 ug/l
RT: 10.207 min Scan# 2
Delta R.T. 0.010 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 75 Resp: 931

Ion	Ratio	Lower	Upper
75	100		
77	32.0	12.2	36.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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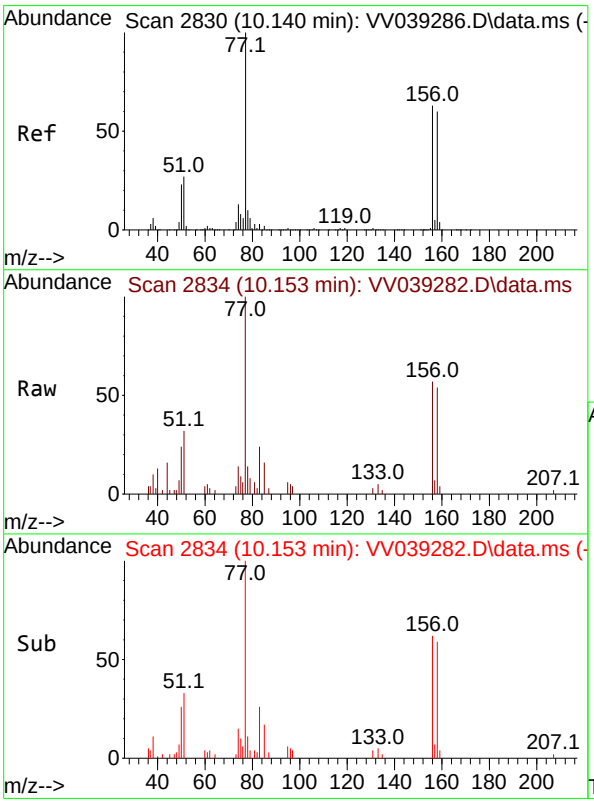
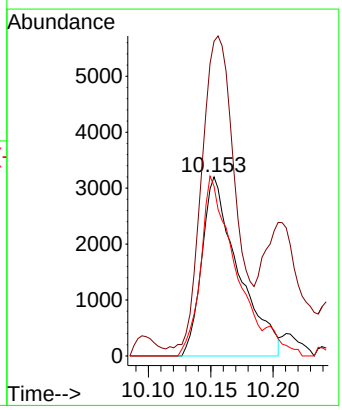
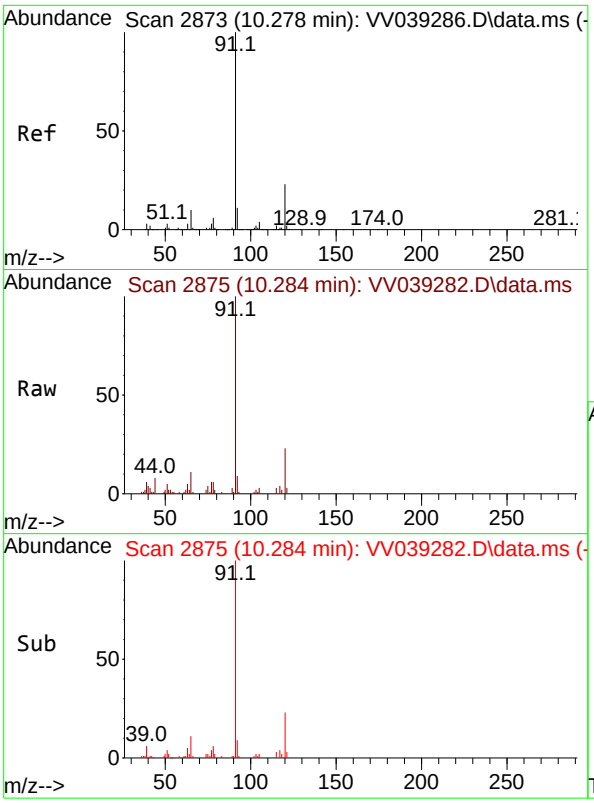


#77
Bromobenzene
Concen: 1.008 ug/l
RT: 10.153 min Scan# 2834
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:156 Resp: 6491

Ion	Ratio	Lower	Upper
156	100		
77	160.2	78.4	235.2
158	91.7	47.7	143.1





#78
n-propylbenzene
Concen: 0.933 ug/l
RT: 10.284 min Scan# 2
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

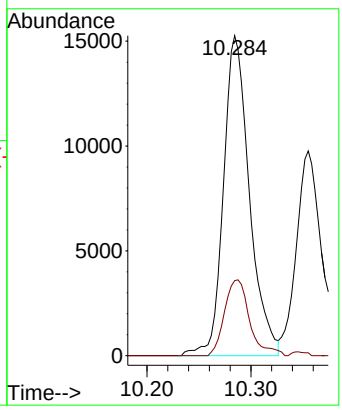
Tgt Ion: 91 Resp: 2653

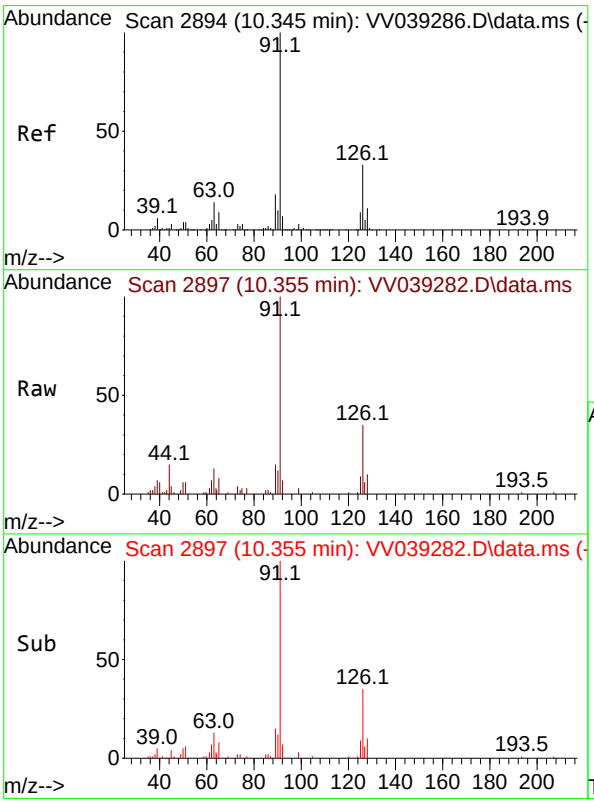
Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

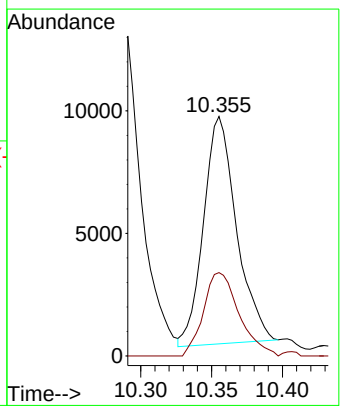


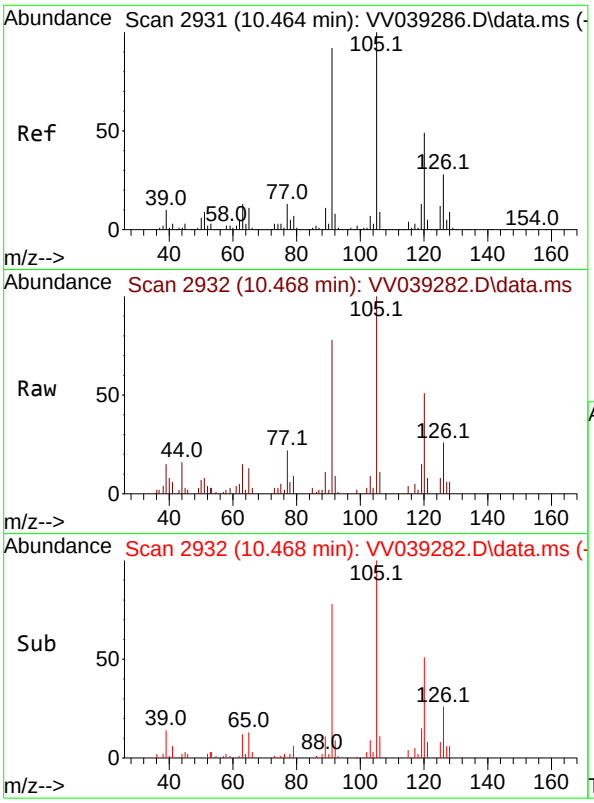


#79
2-Chlorotoluene
Concen: 0.856 ug/l
RT: 10.355 min Scan# 2897
Delta R.T. 0.010 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 91 Resp: 15022

Ion	Ratio	Lower	Upper
91	100		
126	39.5	16.9	50.6





#80
1,3,5-Trimethylbenzene
Concen: 0.809 ug/l
RT: 10.468 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:105 Resp: 1589

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.3	73.0

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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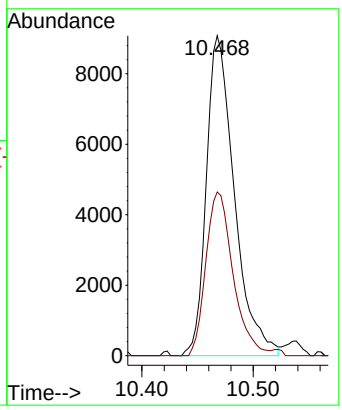
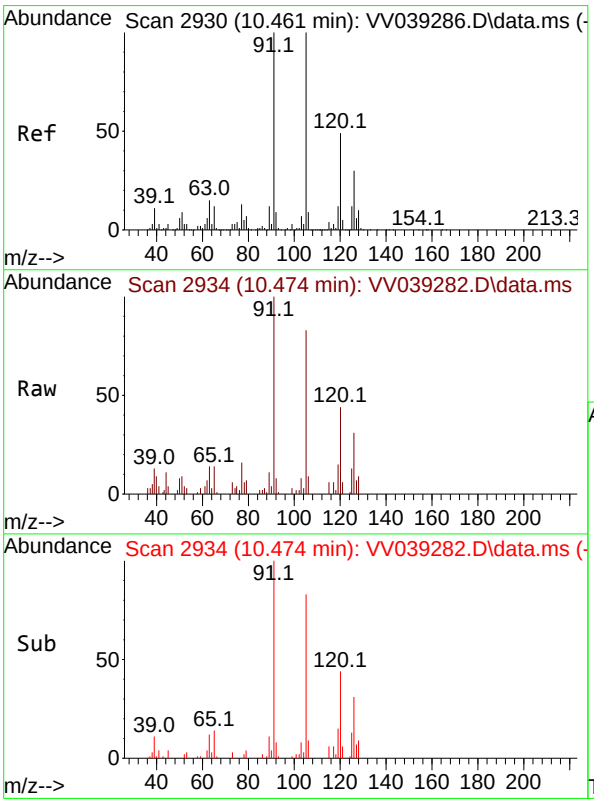
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

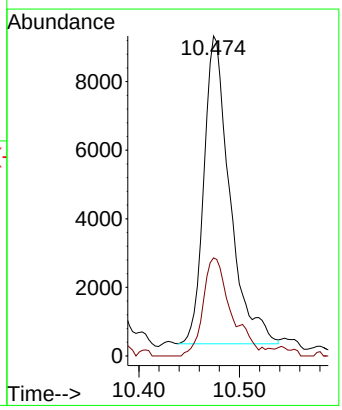


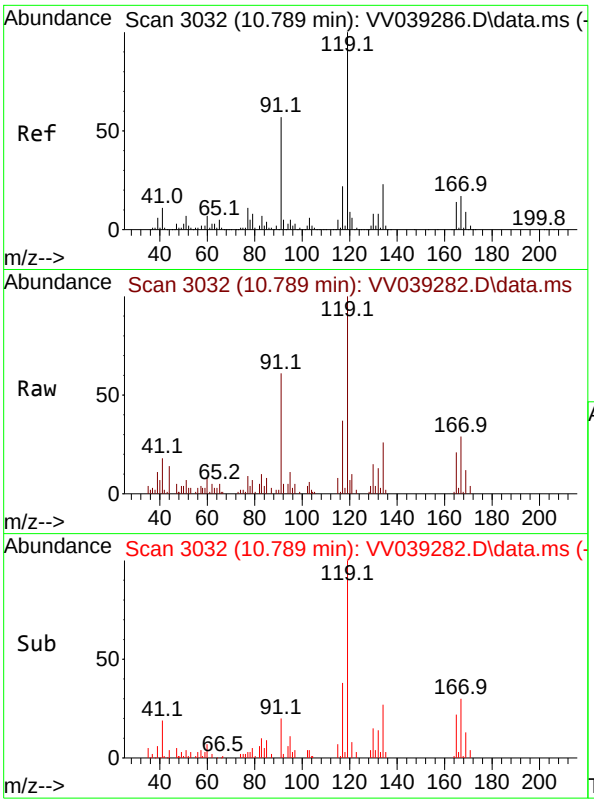


#82
4-Chlorotoluene
Concen: 0.795 ug/l
RT: 10.474 min Scan# 2934
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 91 Resp: 16039

Ion	Ratio	Lower	Upper
91	100		
126	35.4	14.8	44.4

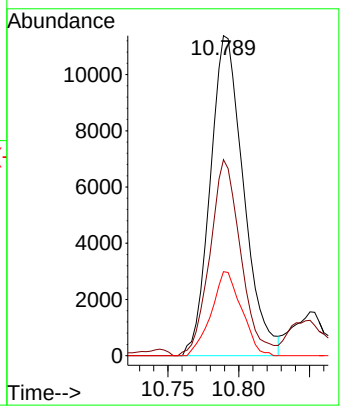




#83
tert-Butylbenzene
Concen: 0.955 ug/l
RT: 10.789 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:119 Resp: 1862

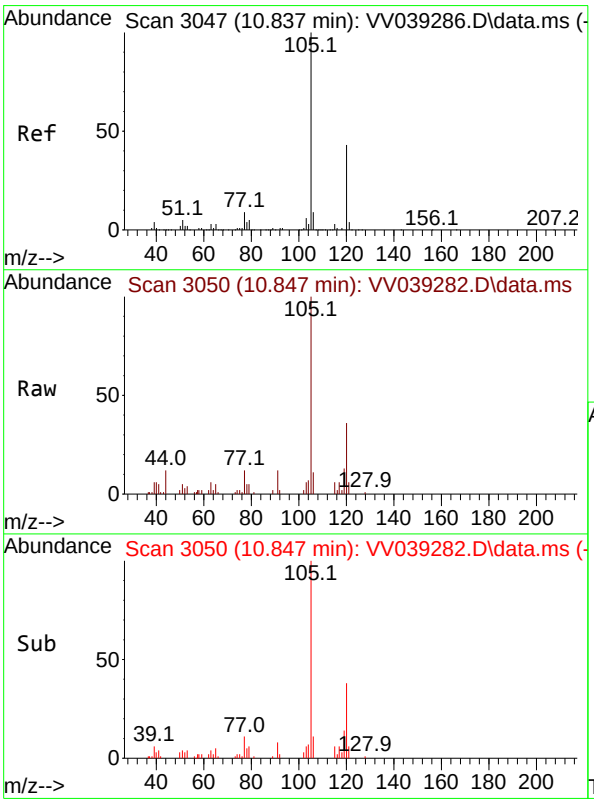
Ion	Ratio	Lower	Upper
119	100		
91	56.7	28.2	84.7
134	23.9	11.5	34.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

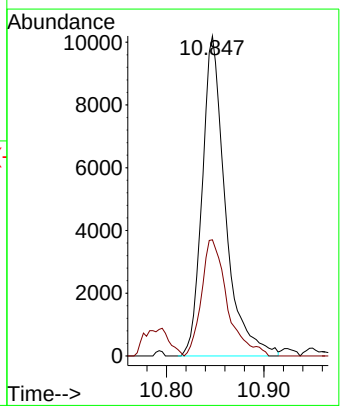
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

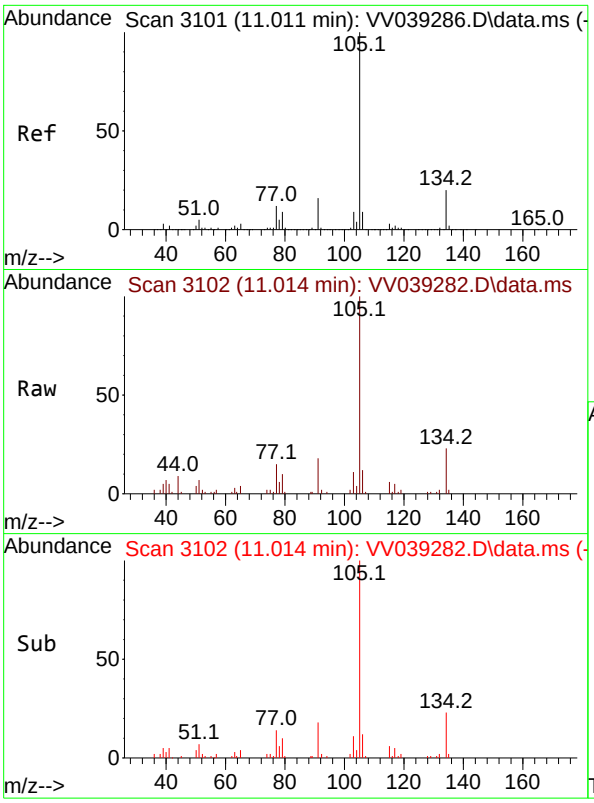


#84
1,2,4-Trimethylbenzene
Concen: 0.871 ug/l
RT: 10.847 min Scan# 3050
Delta R.T. 0.010 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:105 Resp: 16853

Ion	Ratio	Lower	Upper
105	100		
120	40.3	22.8	68.4

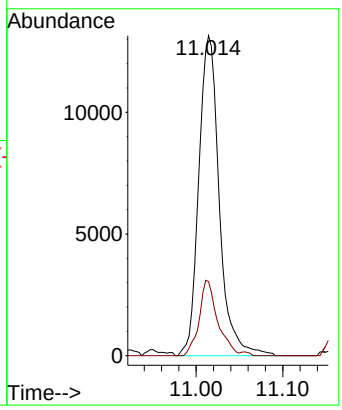




#85
sec-Butylbenzene
Concen: 0.876 ug/l
RT: 11.014 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:105 Resp: 2161

Ion	Ratio	Lower	Upper
105	100		
134	21.2	9.8	29.5



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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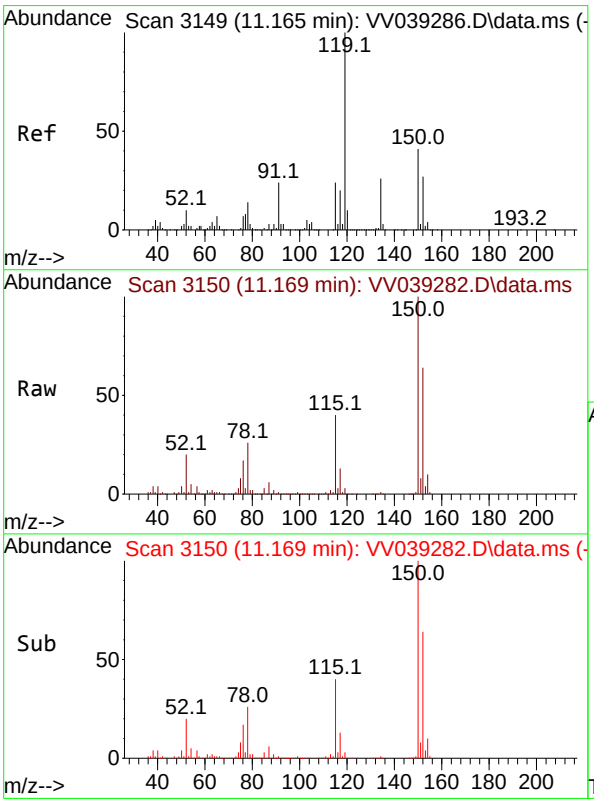
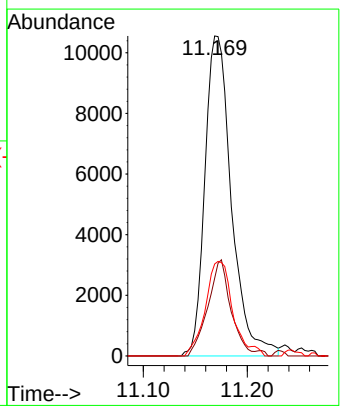
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

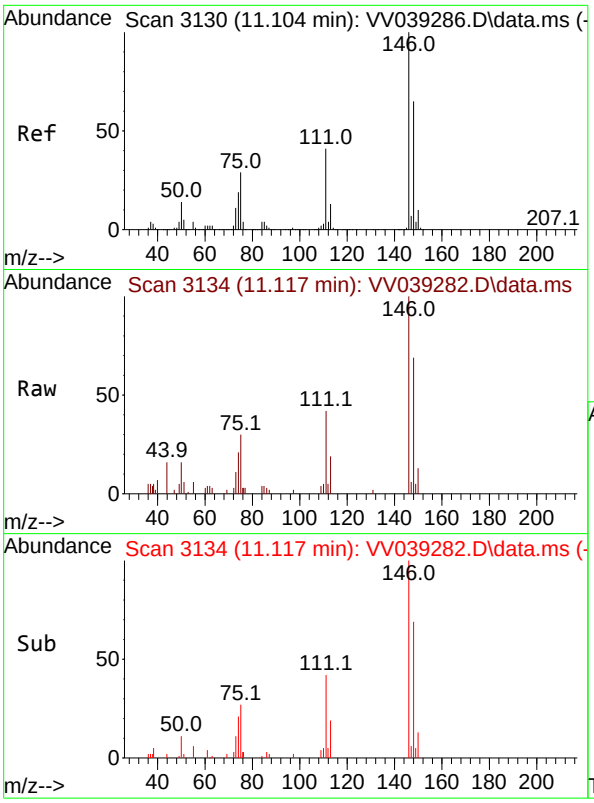


#86
p-Isopropyltoluene
Concen: 0.883 ug/l
RT: 11.169 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:119 Resp: 18735

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	30.4	12.2	36.4

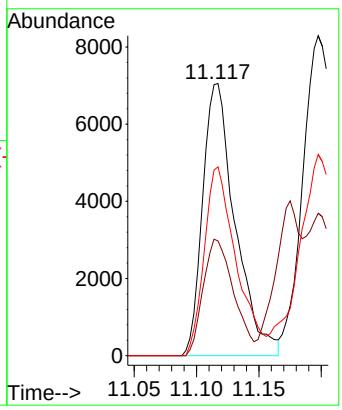




#87
1,3-Dichlorobenzene
Concen: 0.996 ug/l
RT: 11.117 min Scan# 3
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:146 Resp: 1279

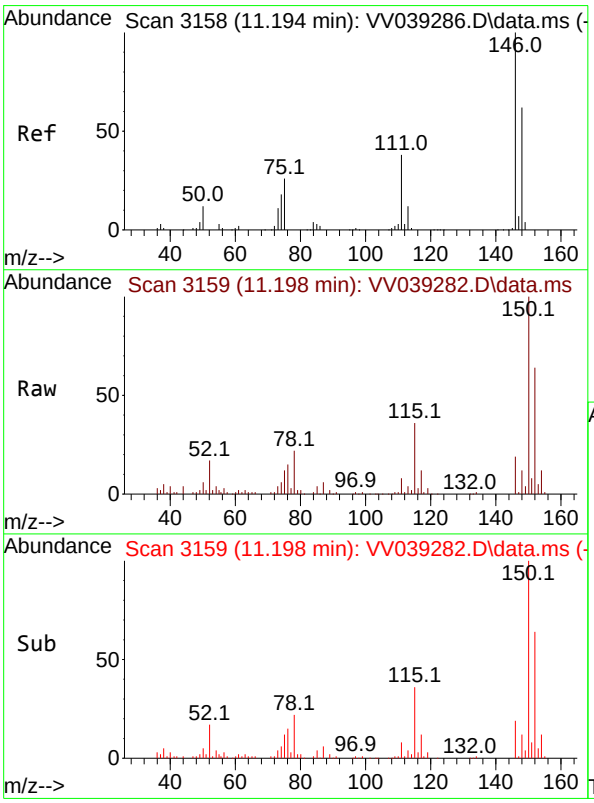
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	68.2	31.9	95.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

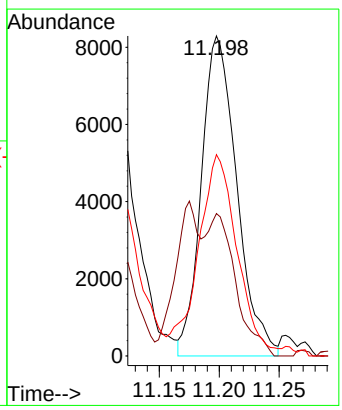
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

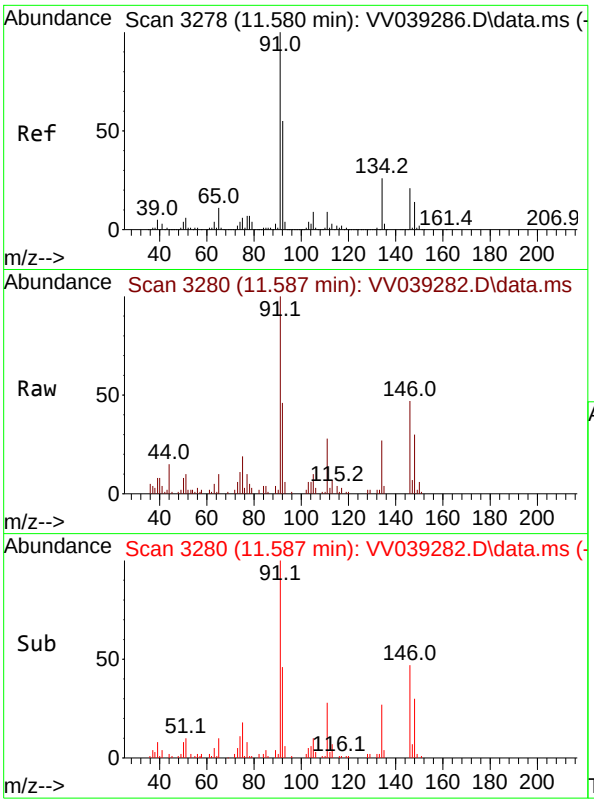


#88
1,4-Dichlorobenzene
Concen: 1.177 ug/l m
RT: 11.198 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:146 Resp: 17036

Ion	Ratio	Lower	Upper
146	100		
111	30.3	19.7	59.0
148	51.2	31.5	94.5

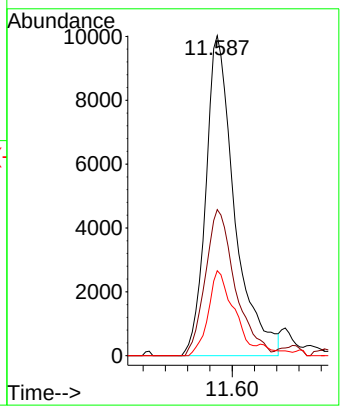




#89
n-Butylbenzene
Concen: 0.909 ug/l
RT: 11.587 min Scan# 3
Delta R.T. 0.007 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 91 Resp: 1795

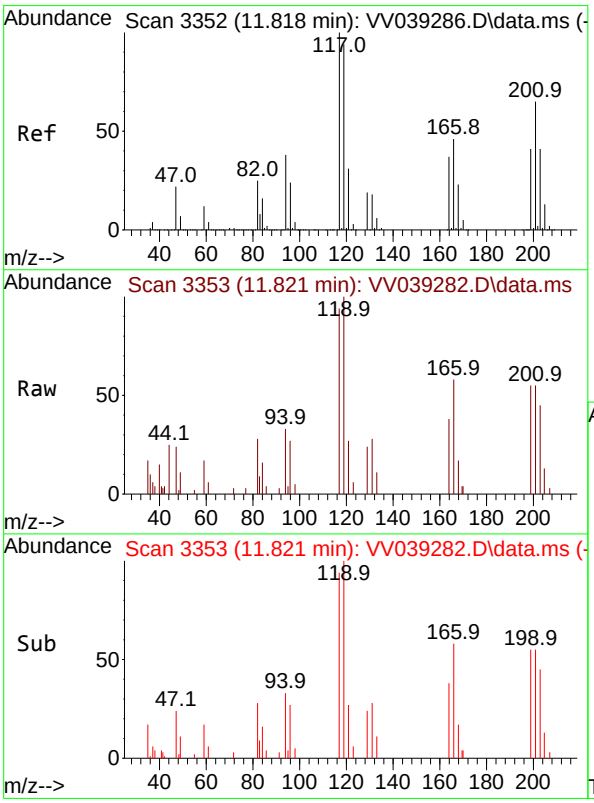
Ion	Ratio	Lower	Upper
91	100		
92	47.5	26.9	80.6
134	23.8	12.6	37.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

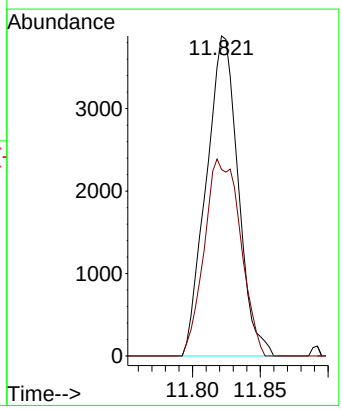
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

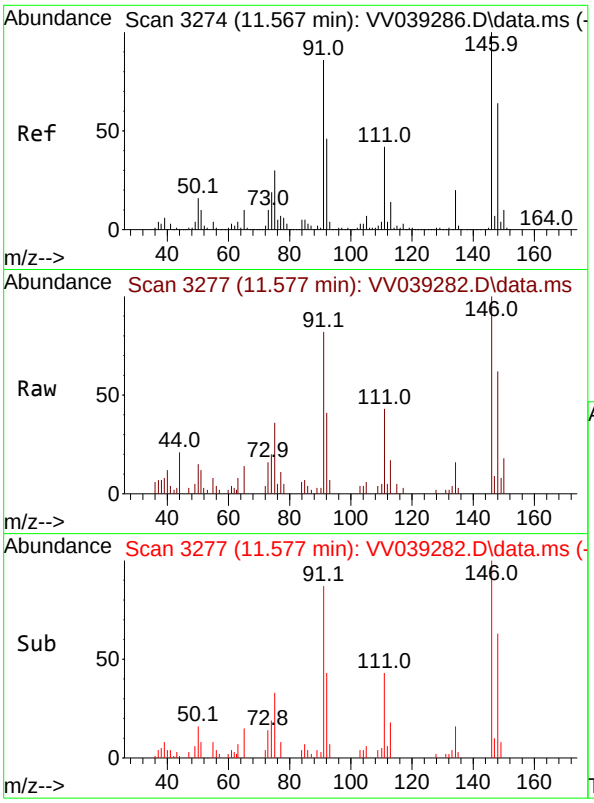


#90
Hexachloroethane
Concen: 1.210 ug/l
RT: 11.821 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:117 Resp: 6345

Ion	Ratio	Lower	Upper
117	100		
201	69.8	33.7	101.1

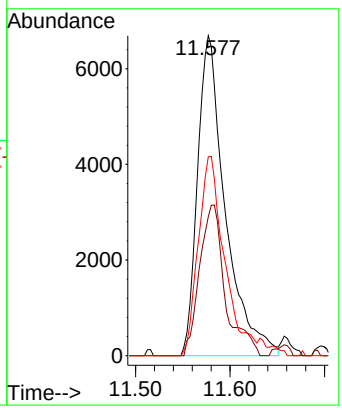




#91
1,2-Dichlorobenzene
Concen: 1.115 ug/l
RT: 11.577 min Scan# 3
Delta R.T. 0.010 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:146 Resp: 1362

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	64.0
148	58.8	31.9	95.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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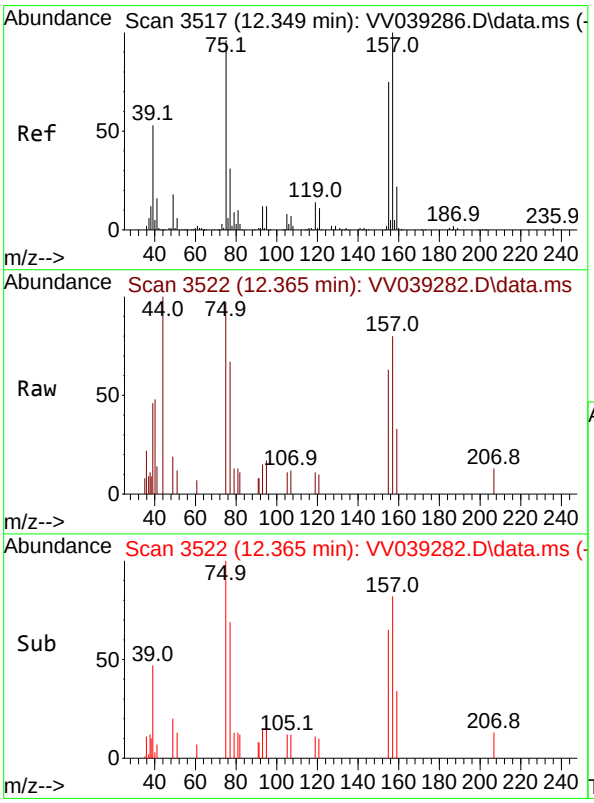
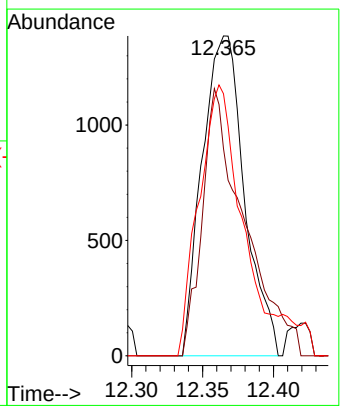
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

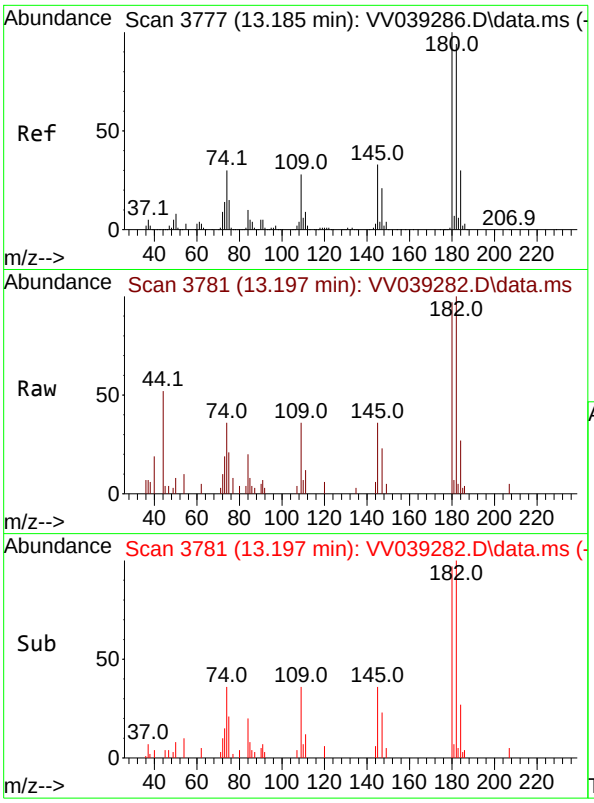


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.301 ug/l
RT: 12.365 min Scan# 3522
Delta R.T. 0.016 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion: 75 Resp: 2878

Ion	Ratio	Lower	Upper
75	100		
155	82.8	40.8	122.5
157	92.8	53.3	160.0

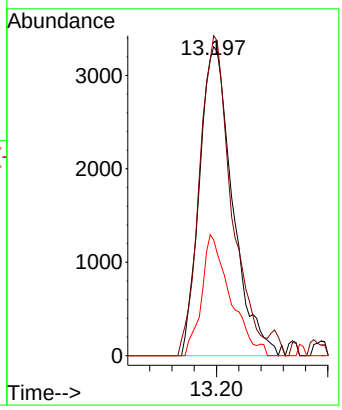




#93
1,2,4-Trichlorobenzene
Concen: 0.997 ug/l
RT: 13.197 min Scan# 3
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:180 Resp: 679

Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.3	141.9
145	34.0	16.3	48.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
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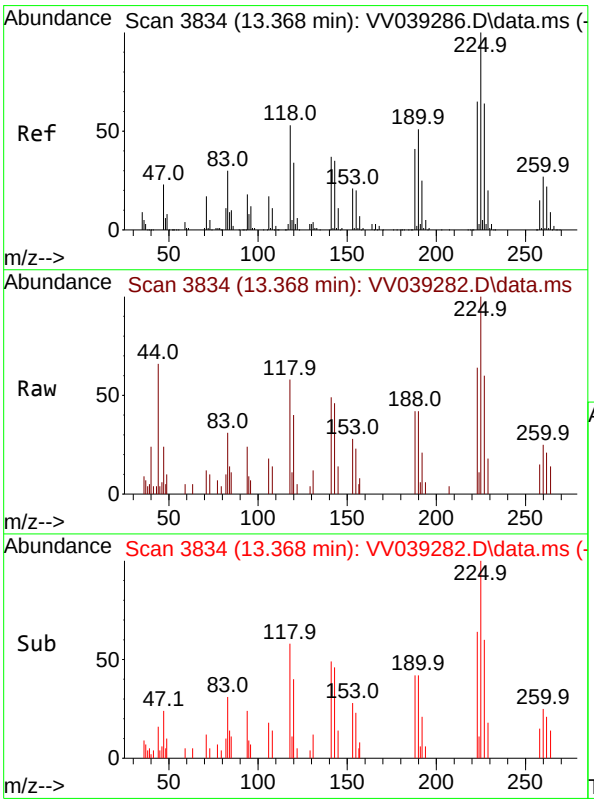
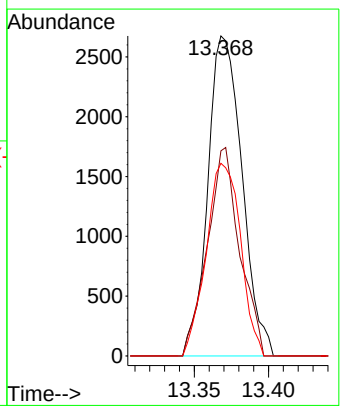
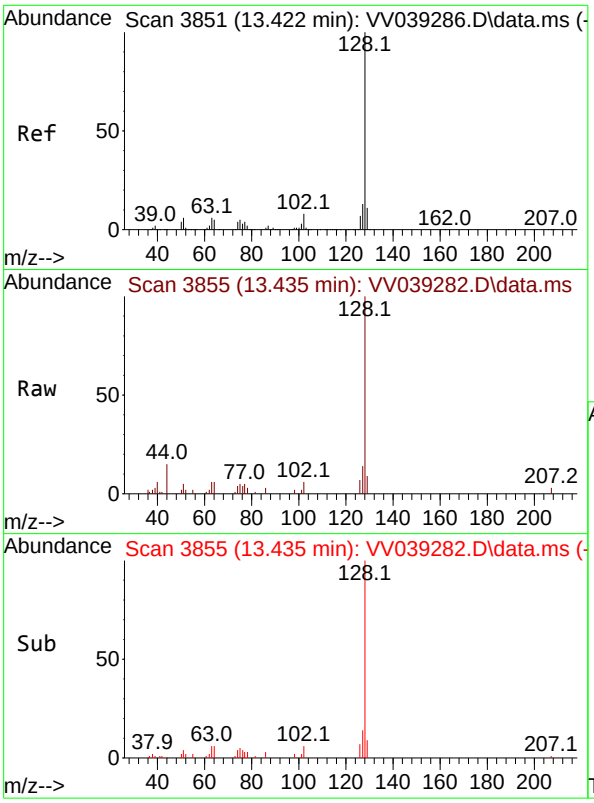


#94
Hexachlorobutadiene
Concen: 1.242 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:225 Resp: 4285

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.3	93.8
227	60.6	31.7	95.1

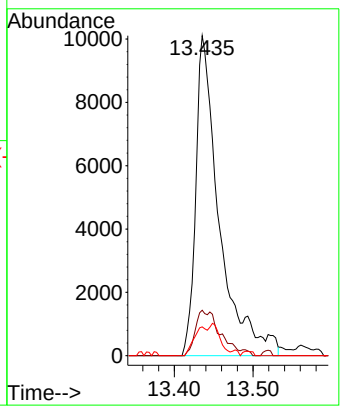




#95
Naphthalene
Concen: 0.937 ug/l m
RT: 13.435 min Scan# 3
Delta R.T. 0.013 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:128 Resp: 2092

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.3	15.5
129	5.2	8.6	12.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
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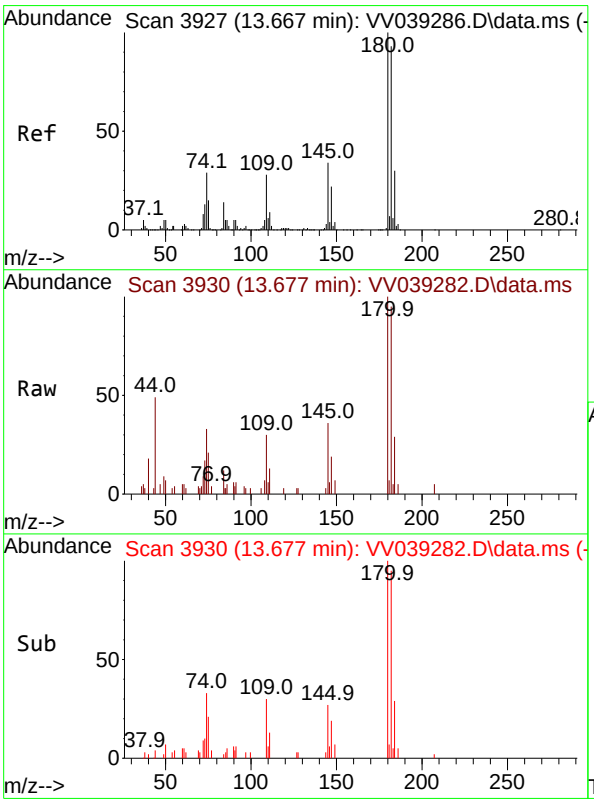
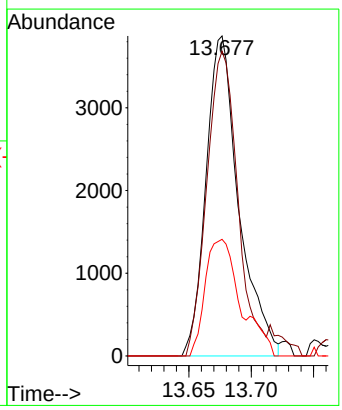


#96
1,2,3-Trichlorobenzene
Concen: 1.002 ug/l
RT: 13.677 min Scan# 3930
Delta R.T. 0.010 min
Lab File: VV039282.D
Acq: 07 Oct 2025 09:40

Tgt Ion:180 Resp: 7094

Ion	Ratio	Lower	Upper
180	100		
182	89.5	46.7	140.1
145	39.3	17.2	51.5



Quantitation Report (QT Reviewed)

ICAL Form

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Data File : VV039283.D
Acq On : 07 Oct 2025 10:03
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 04:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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	4.600	168	588248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	967612	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	961105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	497241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.950	65	42369	5.069	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 10.140%#			
35) Dibromofluoromethane	4.510	113	37861	4.966	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 9.940%#			
50) Toluene-d8	7.243	98	108435	4.181	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 8.360%#			
62) 4-Bromofluorobenzene	10.008	95	38301	4.146	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 8.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	34330	4.617	ug/l	100
3) Chloromethane	1.230	50	38742	5.005	ug/l	100
4) Vinyl Chloride	1.298	62	44755	5.068	ug/l	94
5) Bromomethane	1.490	94	31690	5.531	ug/l	100
6) Chloroethane	1.558	64	31757	4.465	ug/l	99
7) Trichlorofluoromethane	1.725	101	69716	5.168	ug/l	90
8) Diethyl Ether	1.918	74	25622	5.256	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	42697	5.285	ug/l	97
10) Methyl Iodide	2.198	142	28115	4.040	ug/l	97
11) Tert butyl alcohol	2.577	59	45455	28.061	ug/l	96
12) 1,1-Dichloroethene	2.082	96	41934	5.287	ug/l	98
13) Acrolein	2.011	56	37550	34.092	ug/l	97
14) Allyl chloride	2.359	41	65980	5.247	ug/l	98
15) Acrylonitrile	2.677	53	124516	25.920	ug/l	97
16) Acetone	2.121	43	119529	21.363	ug/l	99
17) Carbon Disulfide	2.252	76	113750	5.077	ug/l	99
18) Methyl Acetate	2.381	43	48140	4.445	ug/l	94
19) Methyl tert-butyl Ether	2.712	73	122790	5.143	ug/l	96
20) Methylene Chloride	2.458	84	48899	4.579	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	43669	5.229	ug/l	96
22) Diisopropyl ether	3.220	45	113802	5.041	ug/l #	76
23) Vinyl Acetate	3.195	43	506675	25.566	ug/l	99
24) 1,1-Dichloroethane	3.121	63	81412	5.383	ug/l	98
25) 2-Butanone	3.886	43	118955	23.338	ug/l	99
26) 2,2-Dichloropropane	3.815	77	61297	5.032	ug/l	98
27) cis-1,2-Dichloroethene	3.825	96	42753	5.113	ug/l	98
28) Bromochloromethane	4.153	49	35668	5.396	ug/l	99
29) Tetrahydrofuran	4.249	42	69338	21.221	ug/l	98
30) Chloroform	4.285	83	83381	5.406	ug/l	96
31) Cyclohexane	4.584	56	58787	5.337	ug/l #	78
32) 1,1,1-Trichloroethane	4.519	97	71313	5.288	ug/l	100
36) 1,1-Dichloropropene	4.751	75	46175	4.822	ug/l	97
37) Ethyl Acetate	3.998	43	58945m	5.275	ug/l	
38) Carbon Tetrachloride	4.735	117	61436	5.062	ug/l	100
39) Methylcyclohexane	6.047	83	48503	4.432	ug/l	93
40) Benzene	5.014	78	155202	5.051	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039283.D
Acq On : 07 Oct 2025 10:03
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 04:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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	4.191	41	16876	5.092	ug/l		95
42) 1,2-Dichloroethane	5.047	62	54624	5.065	ug/l		98
43) Isopropyl Acetate	5.207	43	68435	4.482	ug/l		96
44) Trichloroethene	5.841	130	38500	4.982	ug/l		96
45) 1,2-Dichloropropane	6.095	63	34291	4.586	ug/l		96
46) Dibromomethane	6.236	93	32930	5.269	ug/l		97
47) Bromodichloromethane	6.432	83	64658	5.251	ug/l		95
48) Methyl methacrylate	6.317	41	24607	3.619	ug/l		97
49) 1,4-Dioxane	6.310	88	8697	76.890	ug/l		94
51) 4-Methyl-2-Pentanone	7.156	43	227471	22.339	ug/l		96
52) Toluene	7.313	92	89683	4.834	ug/l		98
53) t-1,3-Dichloropropene	7.587	75	52481	4.876	ug/l		97
54) cis-1,3-Dichloropropene	6.956	75	57395	4.797	ug/l		98
55) 1,1,2-Trichloroethane	7.767	97	41447	4.947	ug/l		94
56) Ethyl methacrylate	7.725	69	36737	3.928	ug/l		93
57) 1,3-Dichloropropane	7.940	76	61872	4.894	ug/l		98
58) 2-Chloroethyl Vinyl ether	6.821	63	86926	22.960	ug/l		95
59) 2-Hexanone	8.072	43	155844	20.847	ug/l		94
60) Dibromochloromethane	8.172	129	50201	5.125	ug/l		97
61) 1,2-Dibromoethane	8.281	107	43447	4.981	ug/l		96
64) Tetrachloroethene	7.899	164	34702	4.950	ug/l		97
65) Chlorobenzene	8.805	112	113867	5.005	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.899	131	42539	4.991	ug/l		99
67) Ethyl Benzene	8.940	91	148460	4.430	ug/l		99
68) m/p-Xylenes	9.066	106	109401	8.230	ug/l		94
69) o-Xylene	9.471	106	49355	4.204	ug/l		96
70) Styrene	9.493	104	81766	3.915	ug/l		96
71) Bromoform	9.657	173	34260	4.971	ug/l	#	98
73) Isopropylbenzene	9.857	105	132019	4.372	ug/l		97
74) N-amyl acetate	9.731	43	50235	4.008	ug/l		97
75) 1,1,2,2-Tetrachloroethane	10.169	83	72162	5.204	ug/l		97
76) 1,2,3-Trichloropropane	10.201	75	51295	5.169	ug/l		96
77) Bromobenzene	10.146	156	40198	4.843	ug/l		95
78) n-propylbenzene	10.278	91	158201	4.318	ug/l		99
79) 2-Chlorotoluene	10.349	91	106185	4.694	ug/l		98
80) 1,3,5-Trimethylbenzene	10.464	105	110241	4.353	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.934	75	17131	4.359	ug/l		92
82) 4-Chlorotoluene	10.468	91	118012	4.539	ug/l		99
83) tert-Butylbenzene	10.789	119	114952	4.571	ug/l		97
84) 1,2,4-Trimethylbenzene	10.841	105	102036	4.093	ug/l		97
85) sec-Butylbenzene	11.014	105	140416	4.416	ug/l		98
86) p-Isopropyltoluene	11.169	119	119647	4.377	ug/l		97
87) 1,3-Dichlorobenzene	11.107	146	80737	4.876	ug/l		99
88) 1,4-Dichlorobenzene	11.197	146	93915	5.032	ug/l		91
89) n-Butylbenzene	11.580	91	112555	4.421	ug/l		96
90) Hexachloroethane	11.821	117	36205	5.356	ug/l		99
91) 1,2-Dichlorobenzene	11.570	146	75697	4.806	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.355	75	14288	5.011	ug/l		91
93) 1,2,4-Trichlorobenzene	13.188	180	38484	4.381	ug/l		94
94) Hexachlorobutadiene	13.368	225	21935	4.932	ug/l		98
95) Naphthalene	13.429	128	113700	3.951	ug/l		98
96) 1,2,3-Trichlorobenzene	13.670	180	39397	4.315	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039283.D
Acq On : 07 Oct 2025 10:03
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 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_V\DATA\VV100725\
Data File : VV039283.D
Acq On : 07 Oct 2025 10:03
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
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Quant Time: Oct 08 04:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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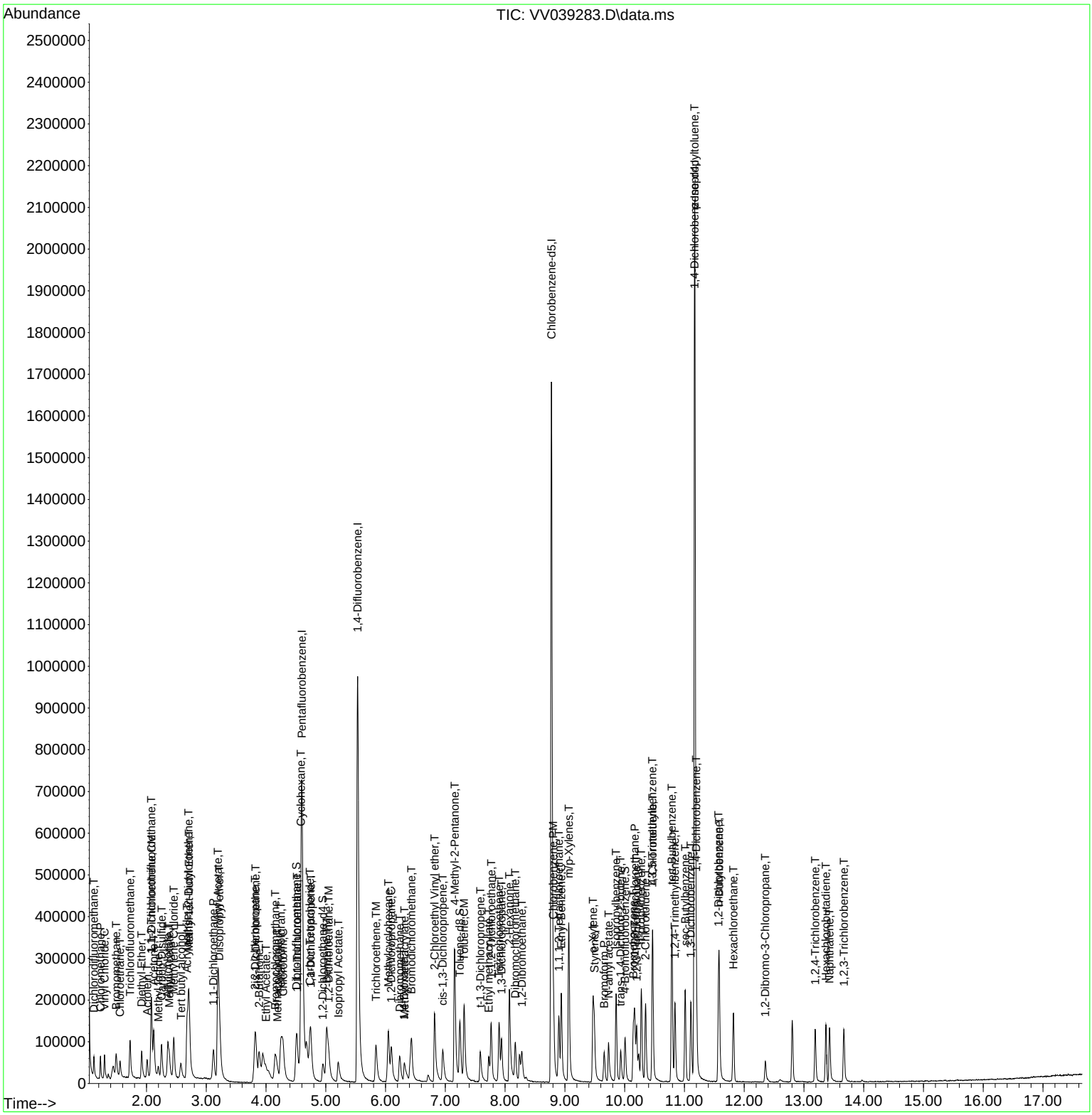
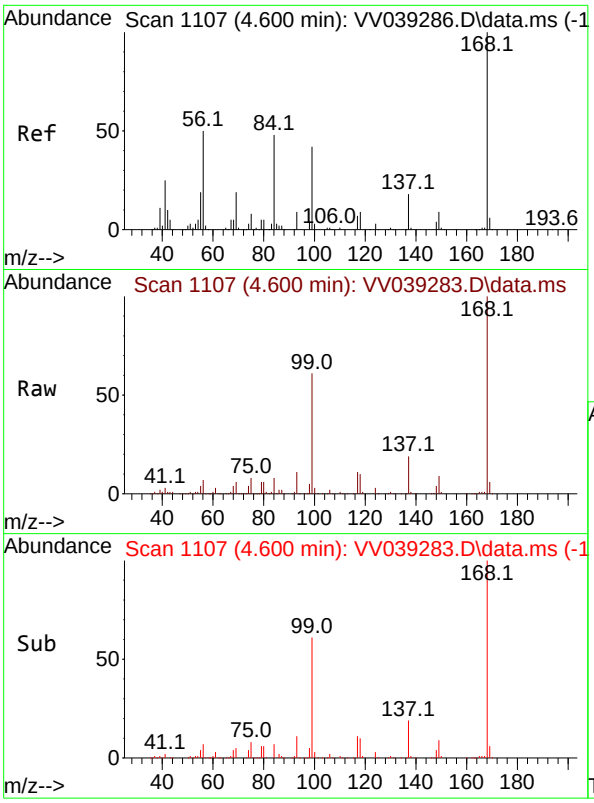
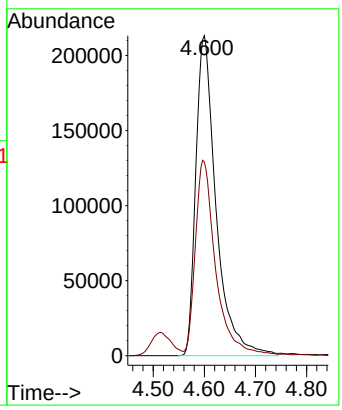




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:168 Resp: 58824

Ion	Ratio	Lower	Upper
168	100		
99	60.1	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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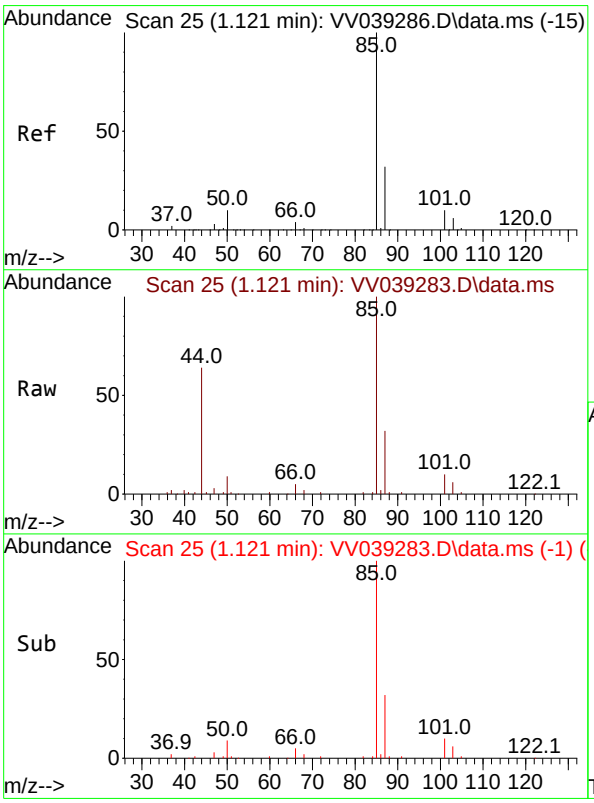
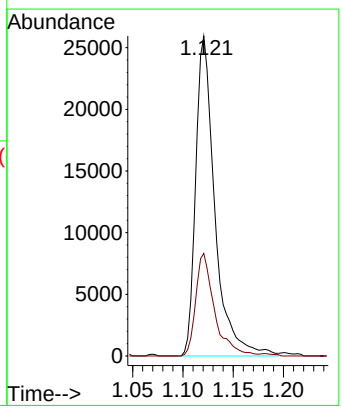
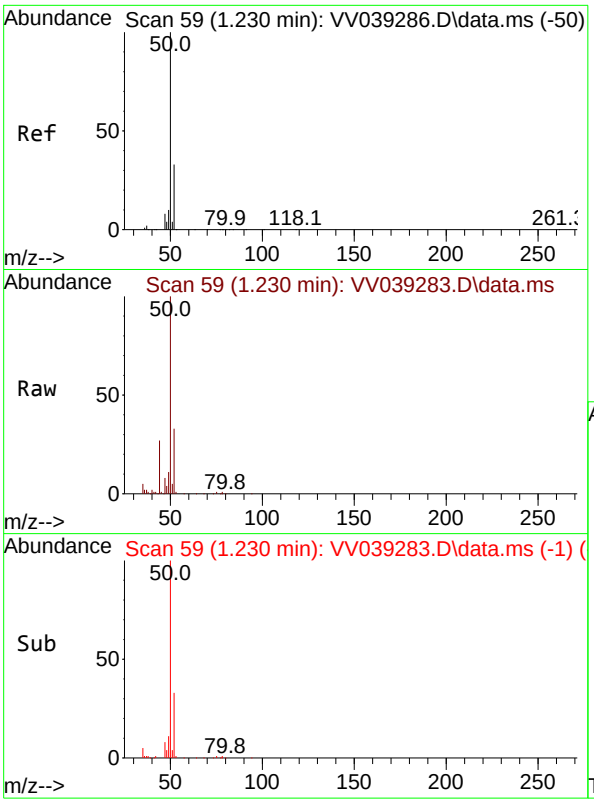


#2
Dichlorodifluoromethane
Concen: 4.617 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 85 Resp: 34330

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.2

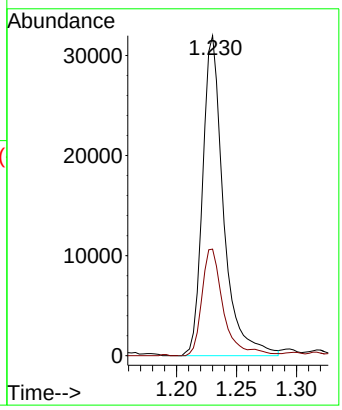




#3
Chloromethane
Concen: 5.005 ug/l
RT: 1.230 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 50 Resp: 3874

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.6	39.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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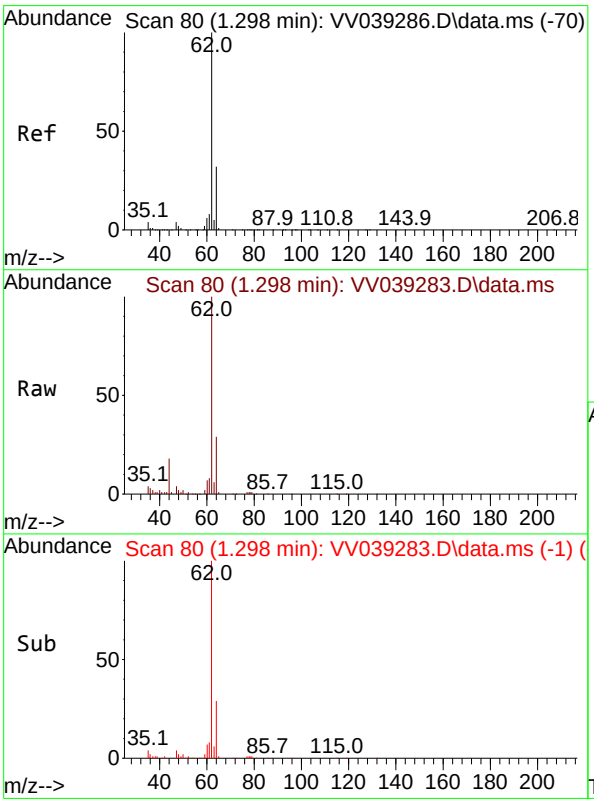
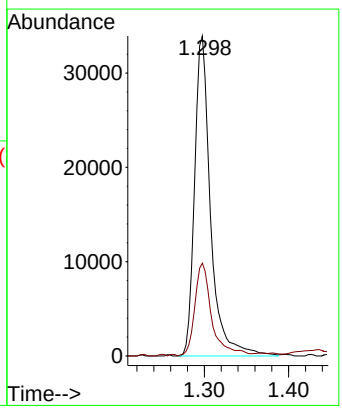
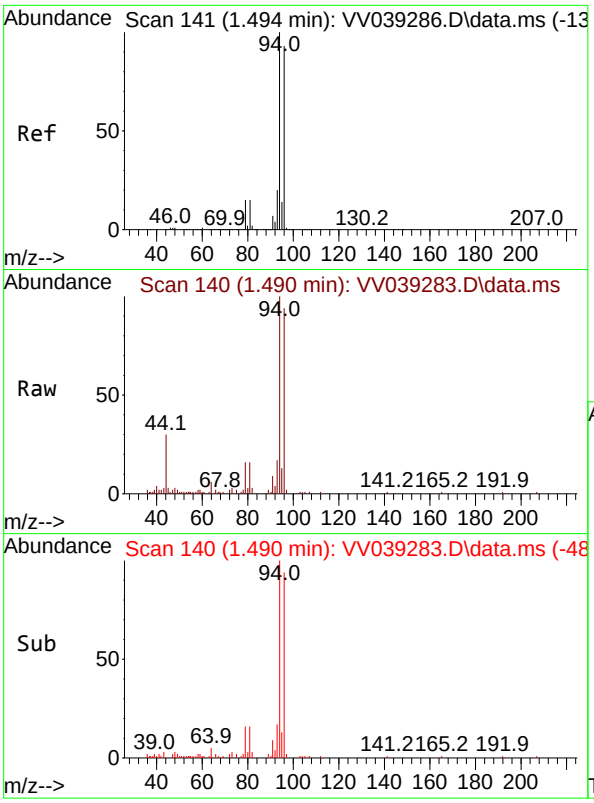


#4
Vinyl Chloride
Concen: 5.068 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 62 Resp: 44755

Ion	Ratio	Lower	Upper
62	100		
64	29.0	25.8	38.6

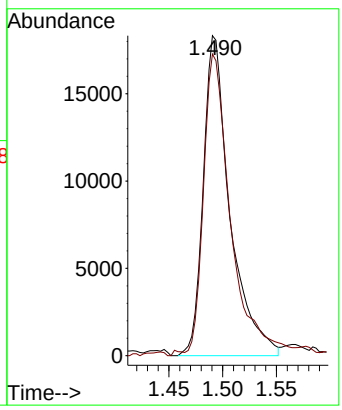




#5
Bromomethane
Concen: 5.531 ug/l
RT: 1.490 min Scan# 14
Delta R.T. -0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 94 Resp: 3169

Ion	Ratio	Lower	Upper
94	100		
96	93.0	74.2	111.2



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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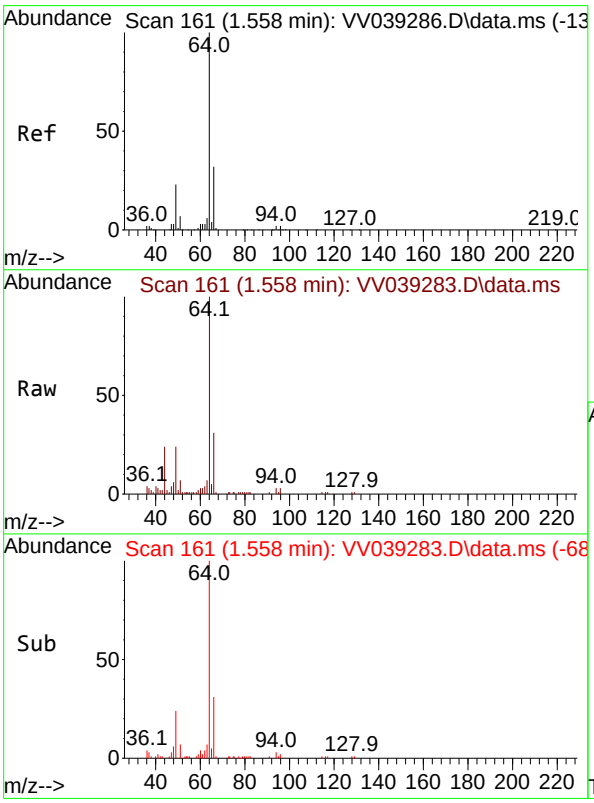
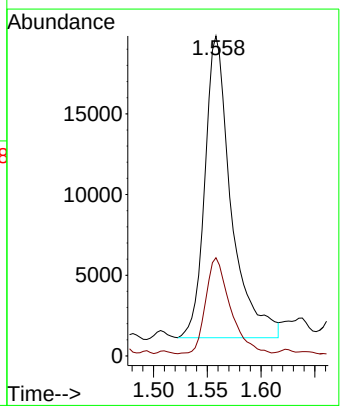
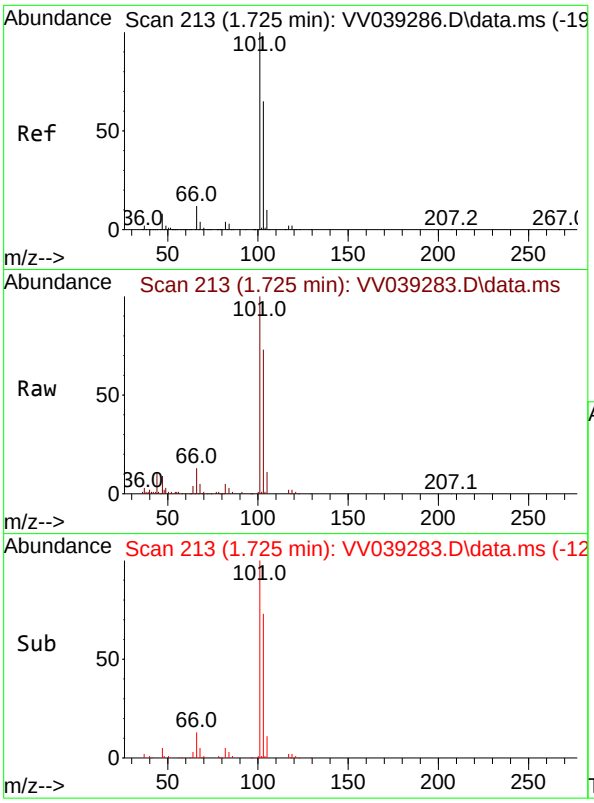


#6
Chloroethane
Concen: 4.465 ug/l
RT: 1.558 min Scan# 161
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 64 Resp: 31757

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.7	38.5

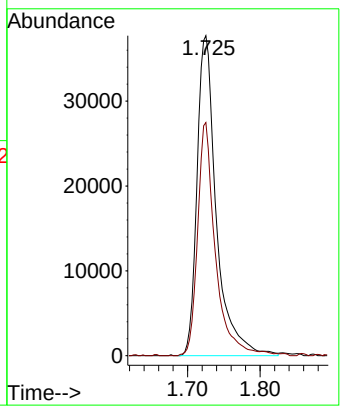




#7
Trichlorofluoromethane
Concen: 5.168 ug/l
RT: 1.725 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:101 Resp: 6971(

Ion	Ratio	Lower	Upper
101	100		
103	72.9	52.0	78.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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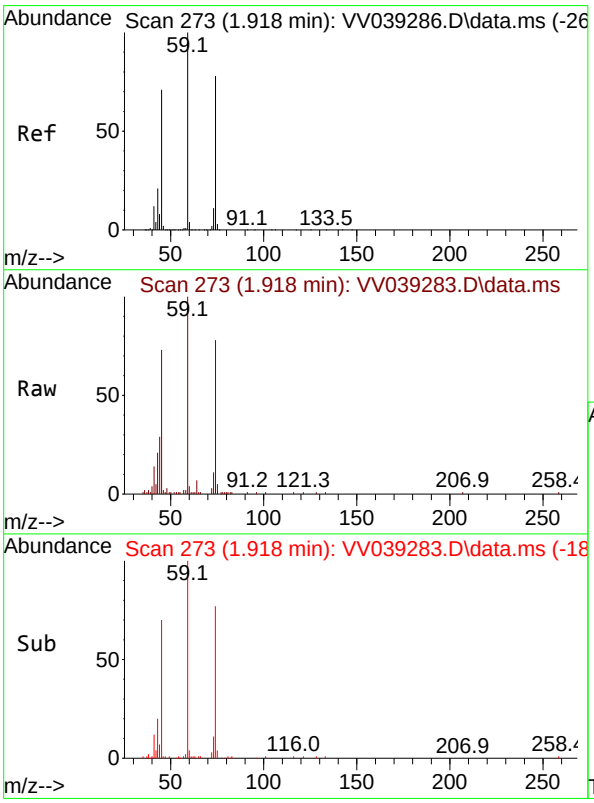
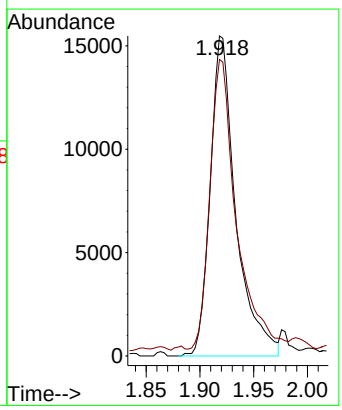
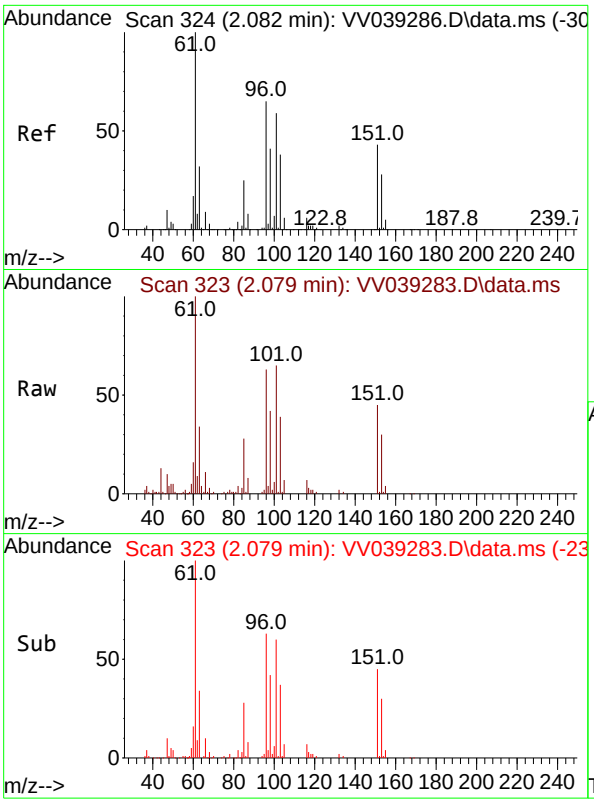


#8
Diethyl Ether
Concen: 5.256 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 74 Resp: 25622

Ion	Ratio	Lower	Upper
74	100		
45	93.5	45.9	137.7

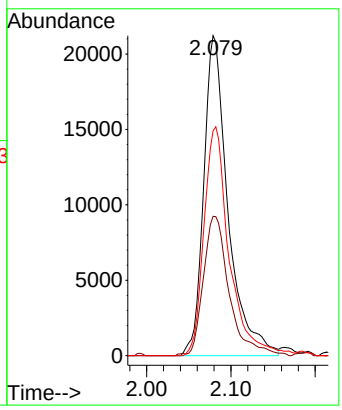




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.285 ug/l
RT: 2.079 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:101 Resp: 4269

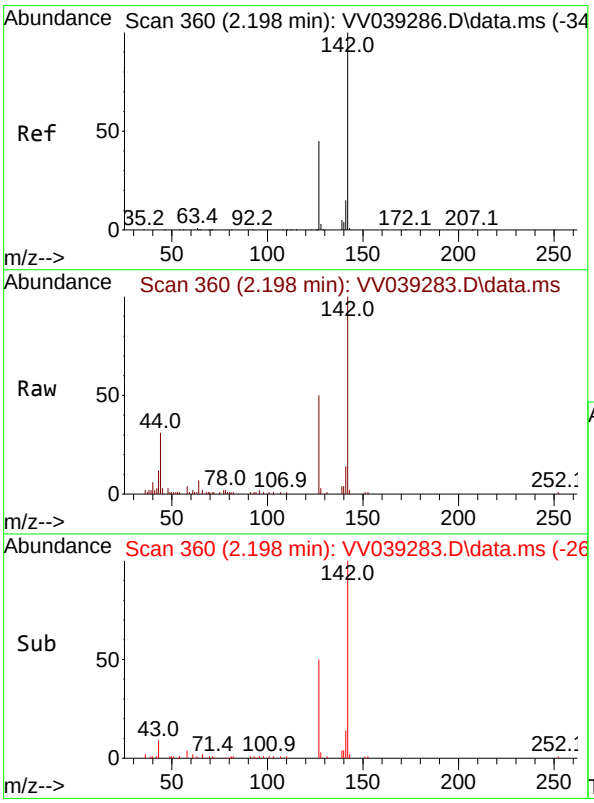
Ion	Ratio	Lower	Upper
101	100		
85	46.3	34.0	51.0
151	74.2	58.5	87.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

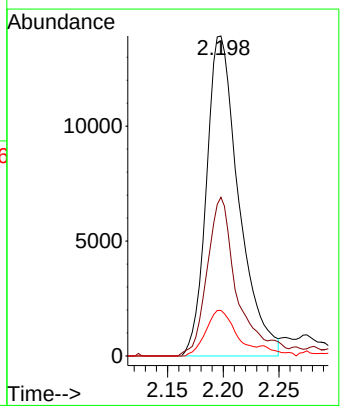
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

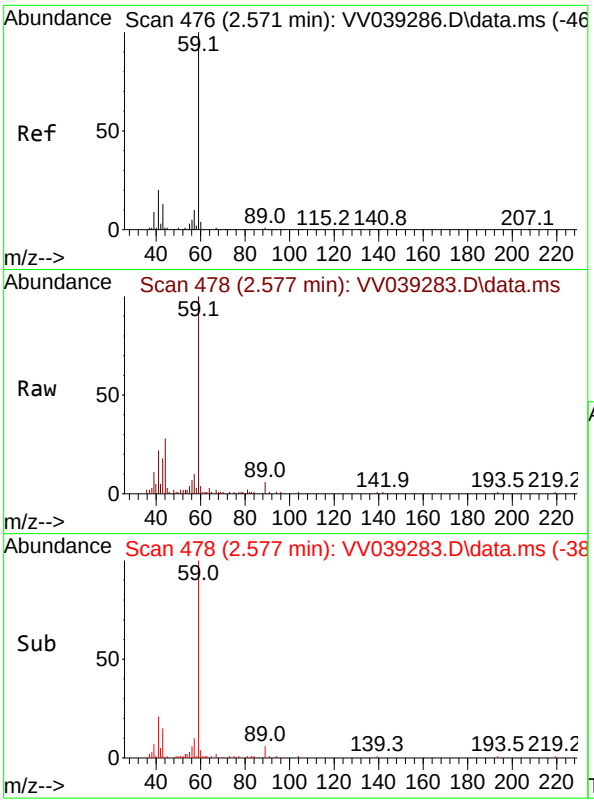


#10
Methyl Iodide
Concen: 4.040 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:142 Resp: 28115

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.5	53.3
141	13.3	11.5	17.3

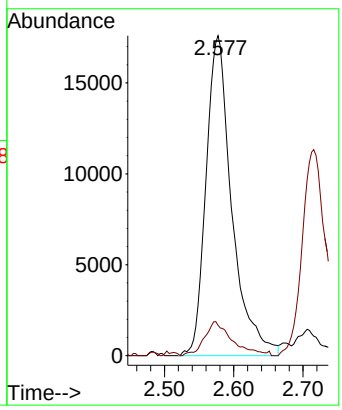




#11
Tert butyl alcohol
Concen: 28.061 ug/l
RT: 2.577 min Scan# 4
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 59 Resp: 4545

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.1	12.1



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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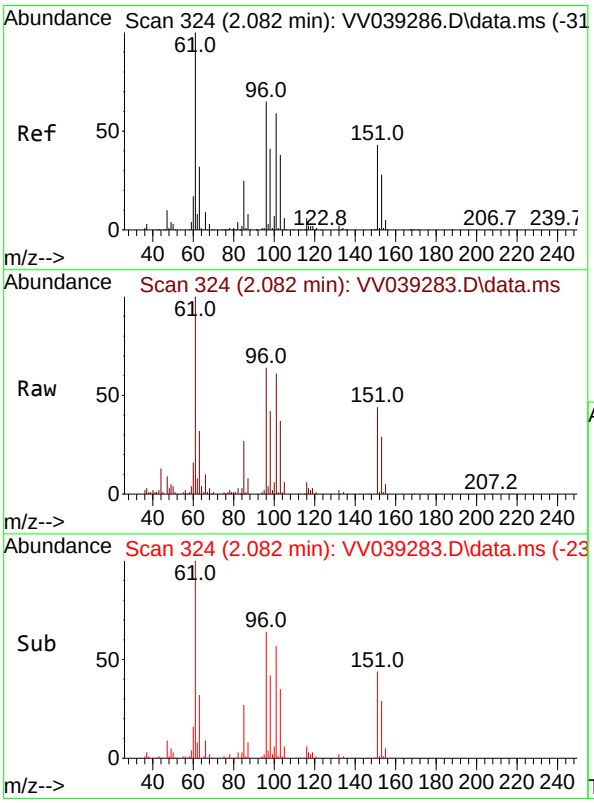
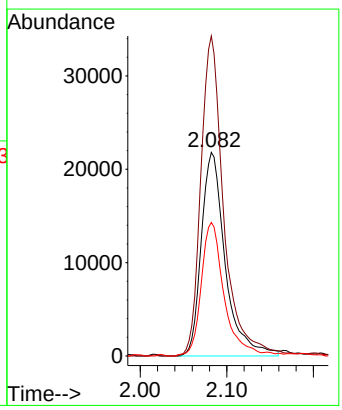
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

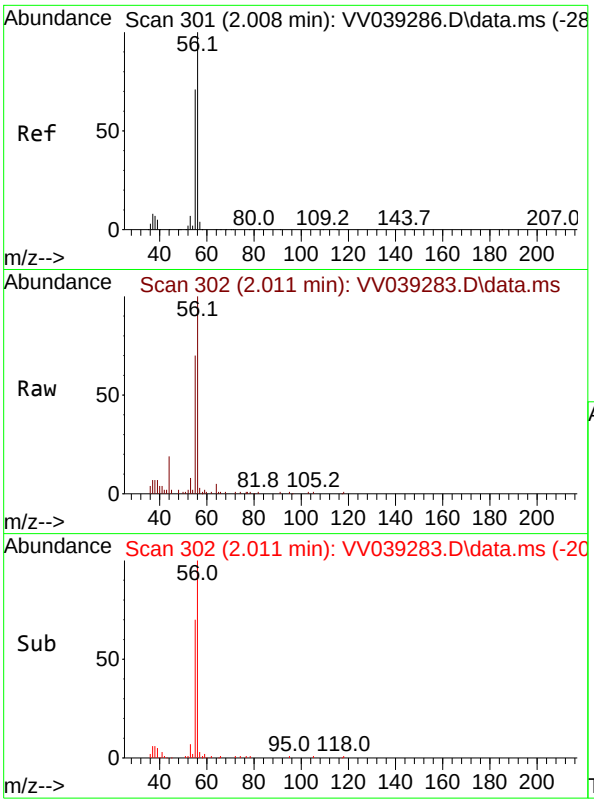


#12
1,1-Dichloroethene
Concen: 5.287 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 96 Resp: 41934

Ion	Ratio	Lower	Upper
96	100		
61	157.2	123.6	185.4
98	64.9	51.1	76.7

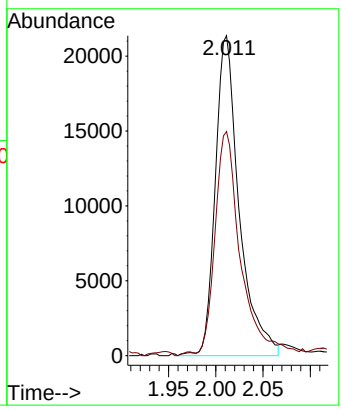




#13
Acrolein
Concen: 34.092 ug/l
RT: 2.011 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 56 Resp: 3755

Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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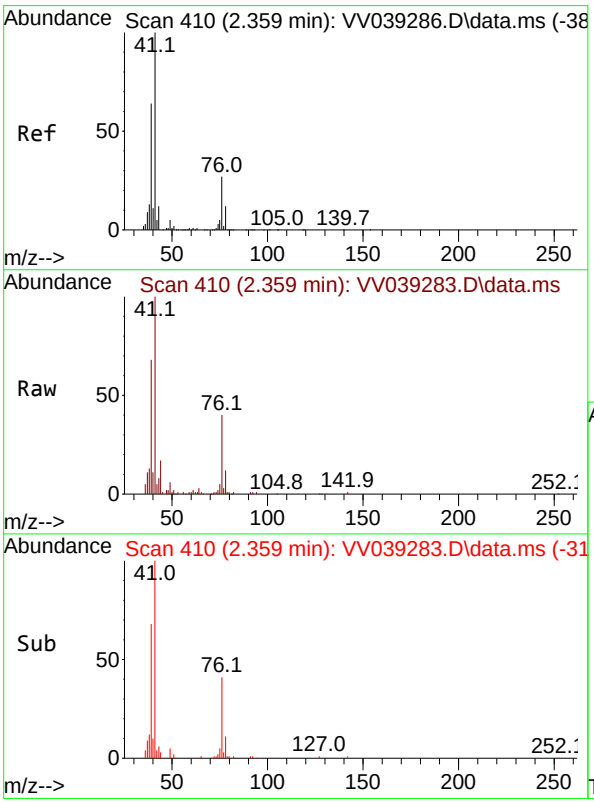
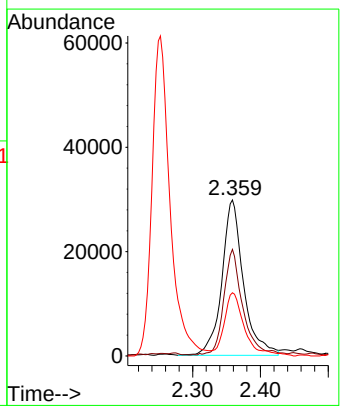
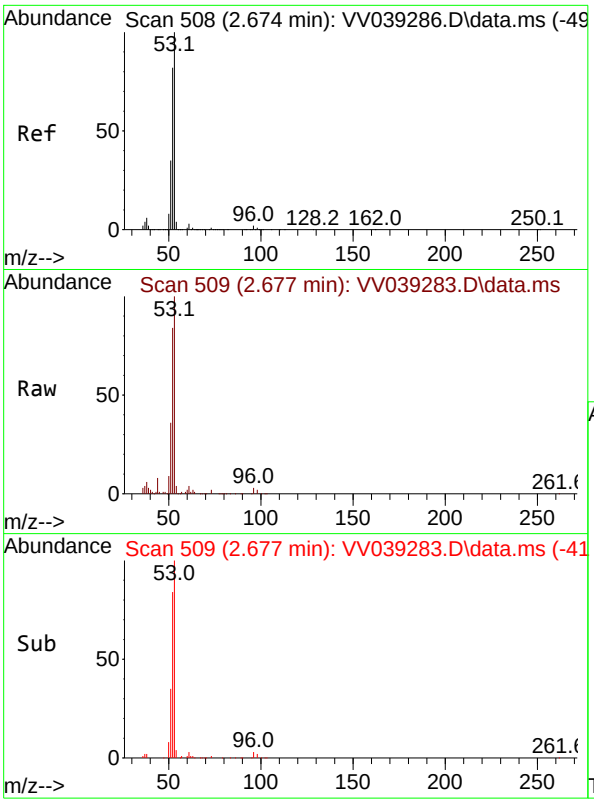


#14
Allyl chloride
Concen: 5.247 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 41 Resp: 65980

Ion	Ratio	Lower	Upper
41	100		
39	58.2	47.8	71.6
76	38.3	30.2	45.2

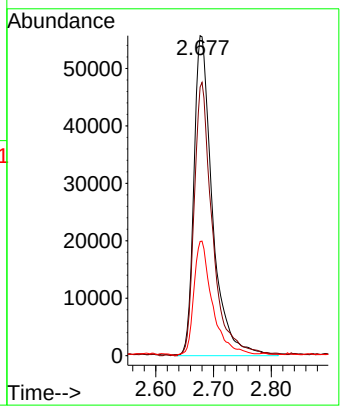




#15
Acrylonitrile
Concen: 25.920 ug/l
RT: 2.677 min Scan# 5(
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 53 Resp: 12451(

Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.0	97.6
51	36.2	27.9	41.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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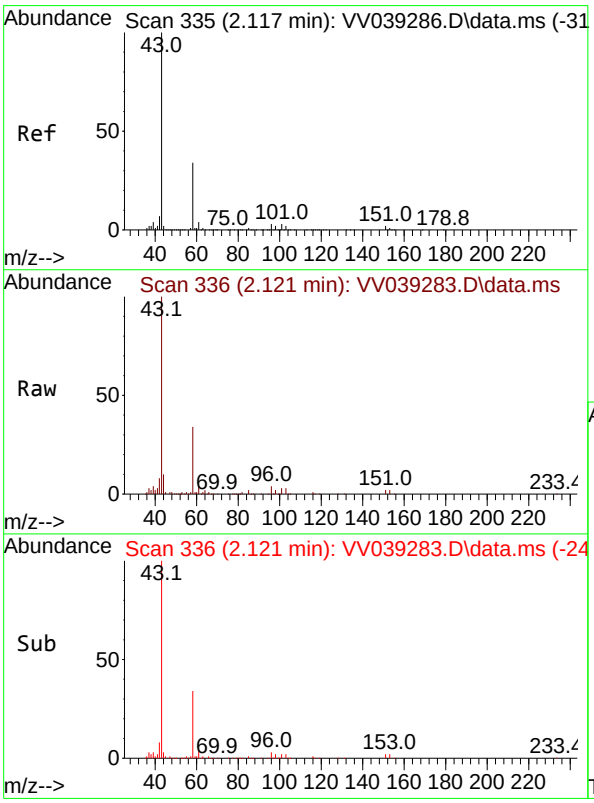
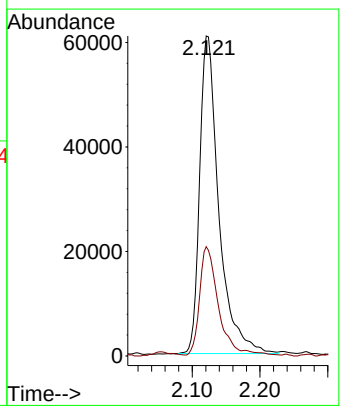
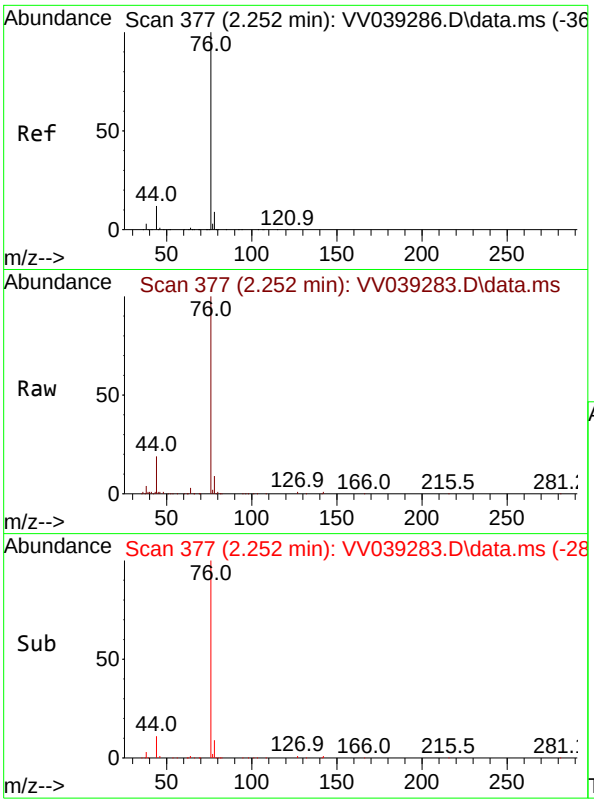


#16
Acetone
Concen: 21.363 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 43 Resp: 119529

Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.5	41.3





#17
Carbon Disulfide
Concen: 5.077 ug/l
RT: 2.252 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 76 Resp: 11375

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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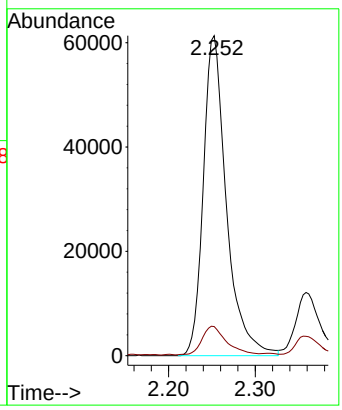
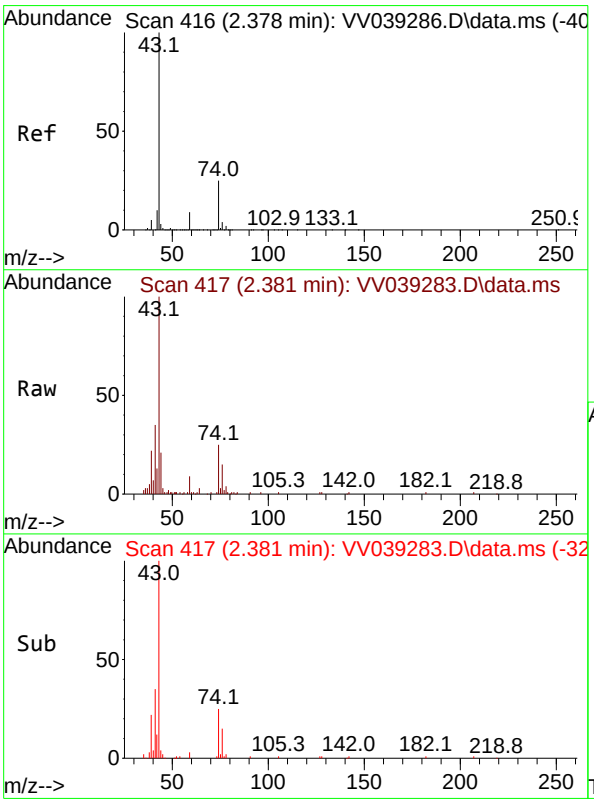
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

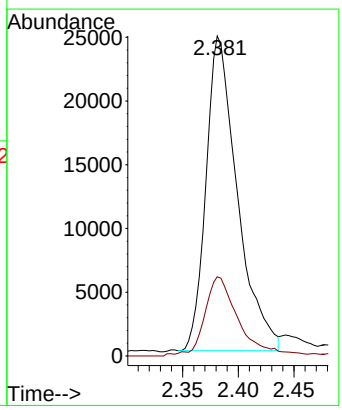


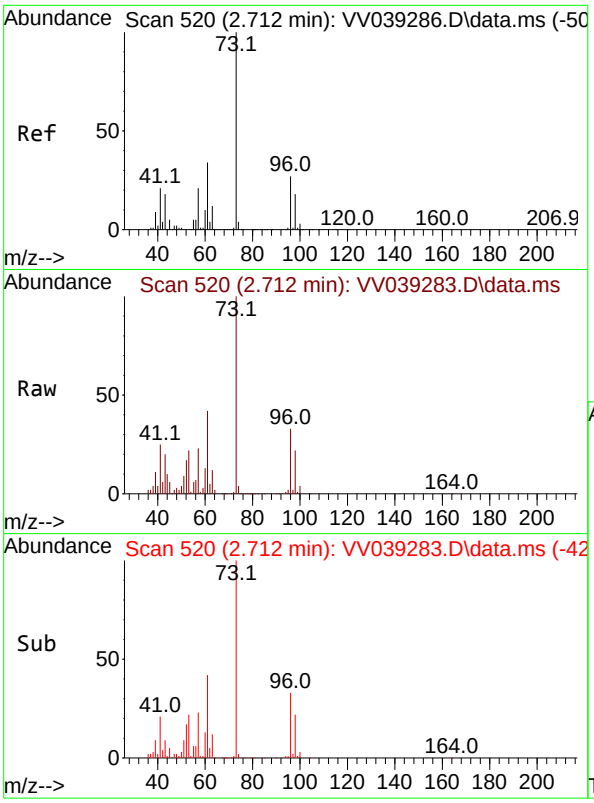


#18
Methyl Acetate
Concen: 4.445 ug/l
RT: 2.381 min Scan# 417
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 43 Resp: 48140

Ion	Ratio	Lower	Upper
43	100		
74	27.2	19.5	29.3

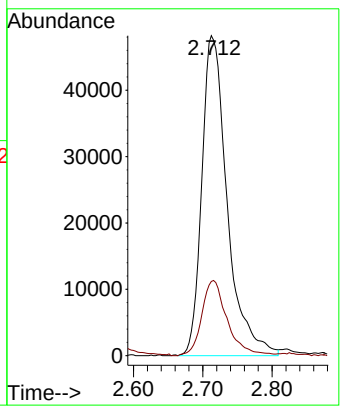




#19
Methyl tert-butyl Ether
Concen: 5.143 ug/l
RT: 2.712 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 73 Resp: 12279

Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.0	25.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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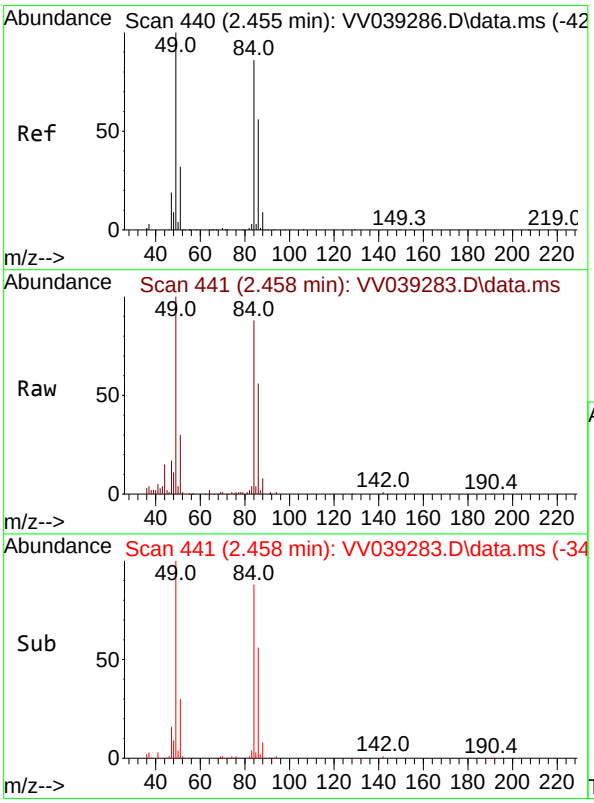
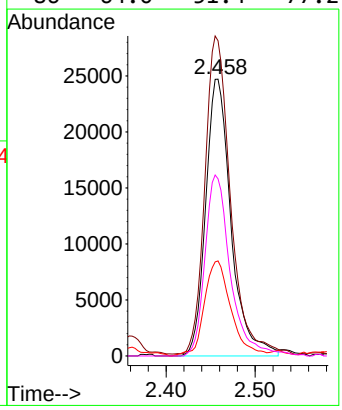
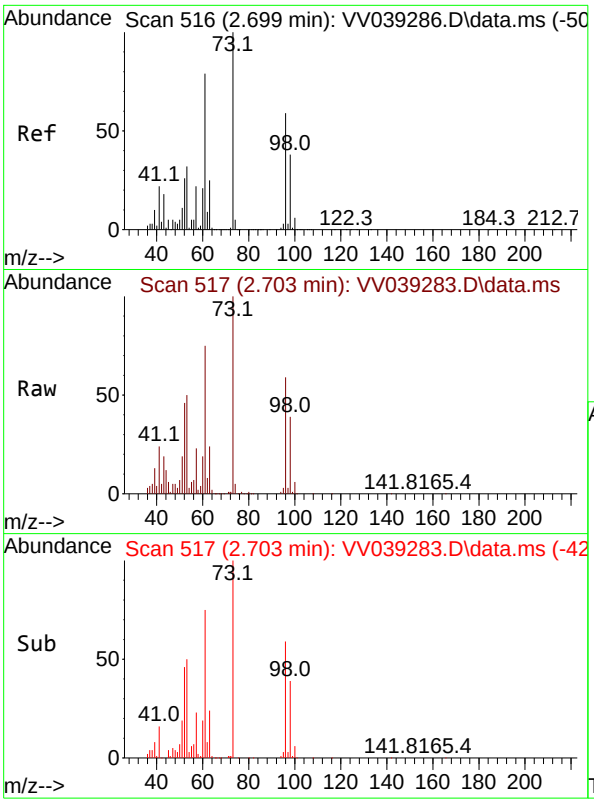


#20
Methylene Chloride
Concen: 4.579 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 84 Resp: 48899

Ion	Ratio	Lower	Upper
84	100		
49	113.0	92.6	139.0
51	33.8	29.6	44.4
86	64.0	51.4	77.2

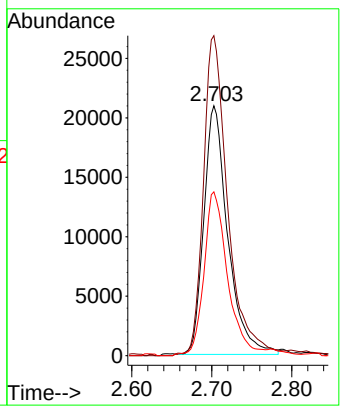




#21
trans-1,2-Dichloroethene
Concen: 5.229 ug/l
RT: 2.703 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 96 Resp: 4366

Ion	Ratio	Lower	Upper
96	100		
61	127.6	106.8	160.2
98	65.2	51.1	76.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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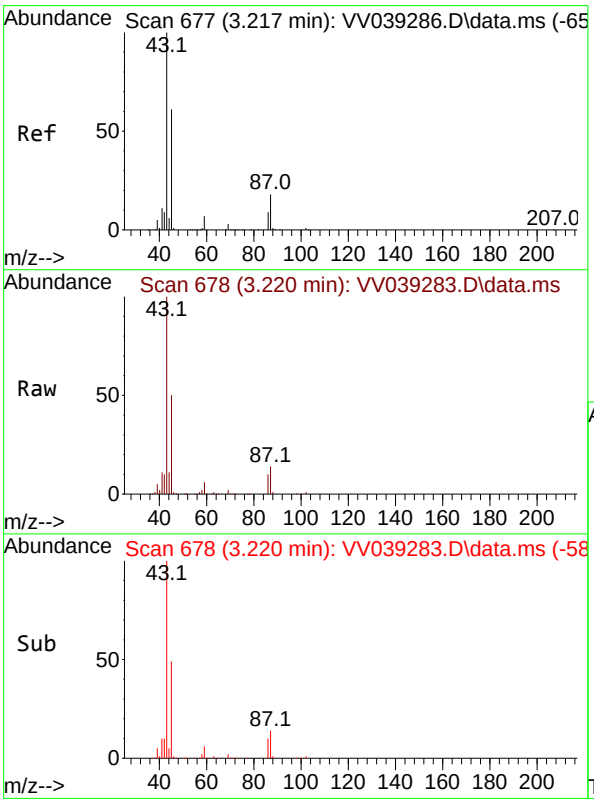
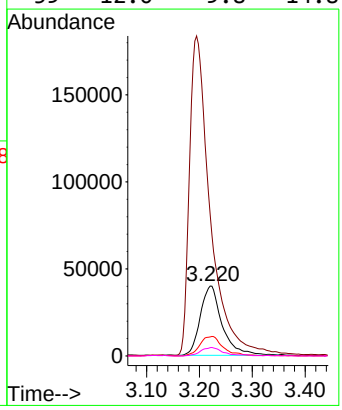
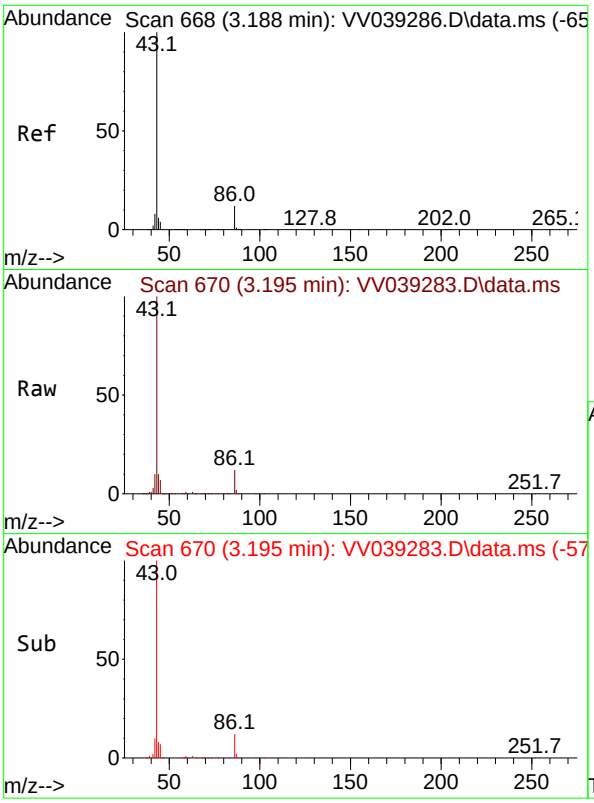


#22
Diisopropyl ether
Concen: 5.041 ug/l
RT: 3.220 min Scan# 678
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 45 Resp: 113802

Ion	Ratio	Lower	Upper
45	100		
43	202.3	130.8	196.2#
87	27.5	23.8	35.8
59	12.0	9.8	14.8





#23
Vinyl Acetate
Concen: 25.566 ug/l
RT: 3.195 min Scan# 6
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 43 Resp: 50667

Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.4	14.2

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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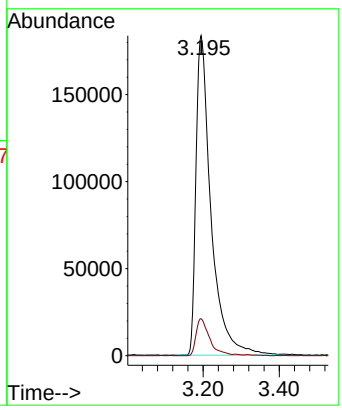
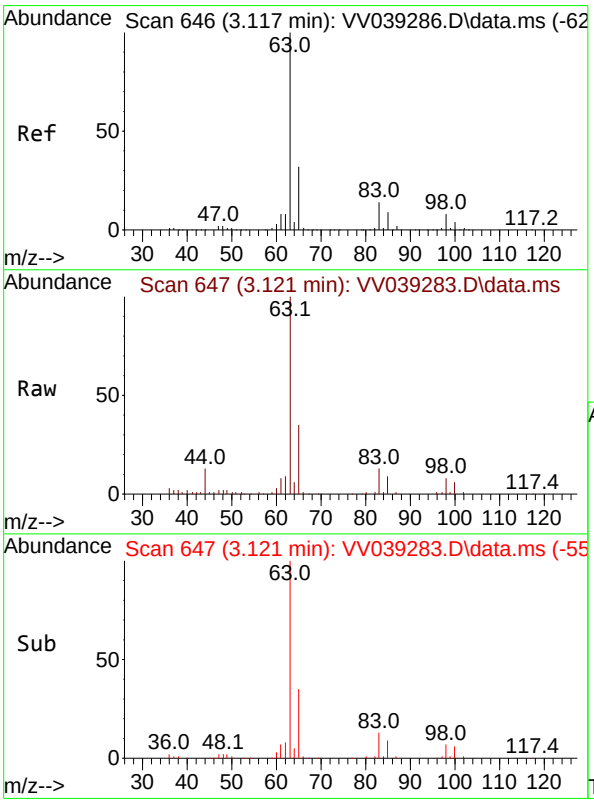
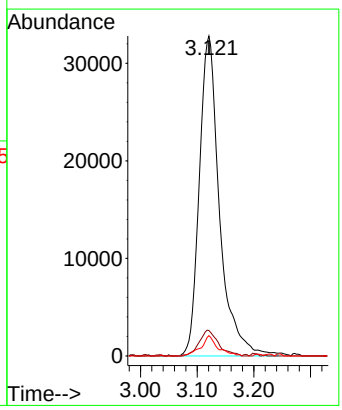


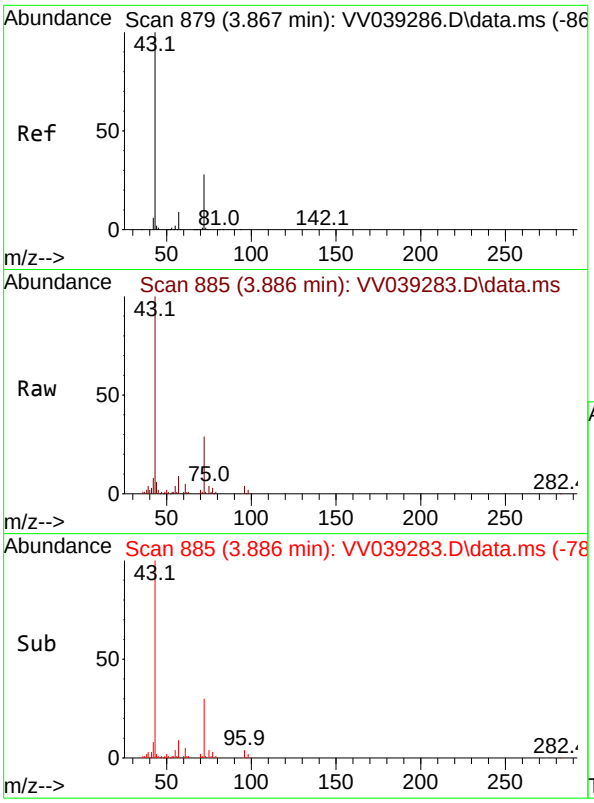


#24
1,1-Dichloroethane
Concen: 5.383 ug/l
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 63 Resp: 81412

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	12.0
100	6.4	2.3	6.8





#25
2-Butanone
Concen: 23.338 ug/l
RT: 3.886 min Scan# 8
Delta R.T. 0.019 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 43 Resp: 11895

Ion	Ratio	Lower	Upper
43	100		
72	29.1	22.6	34.0

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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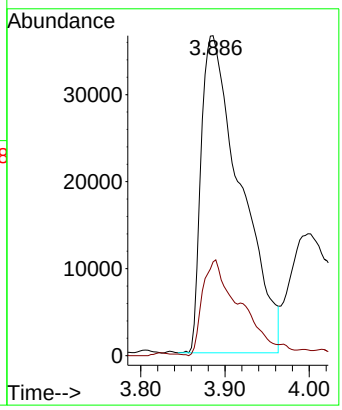
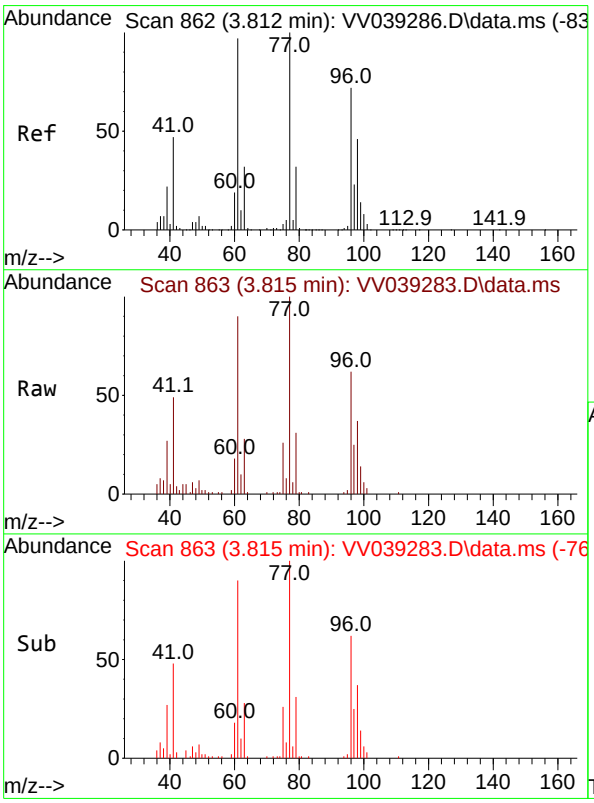
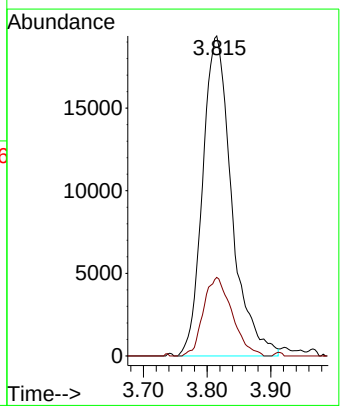


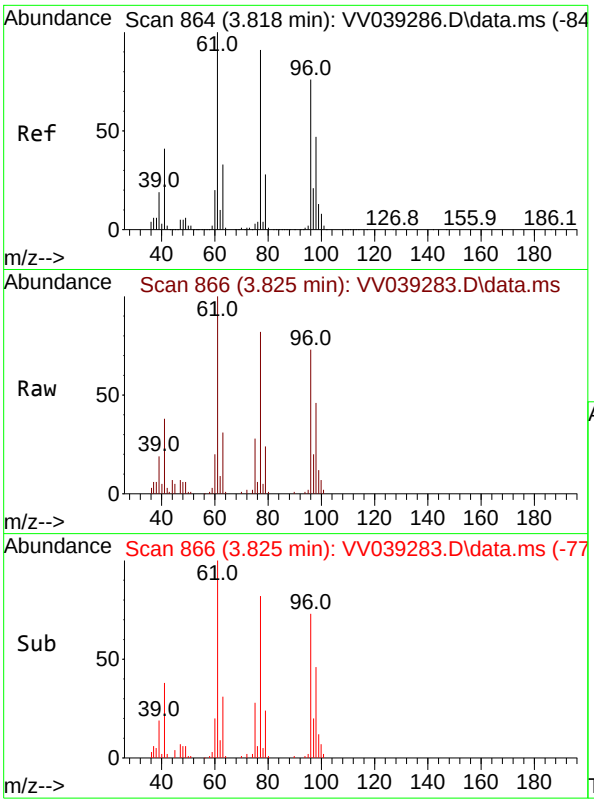


#26
2,2-Dichloropropane
Concen: 5.032 ug/l
RT: 3.815 min Scan# 863
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 77 Resp: 61297

Ion	Ratio	Lower	Upper
77	100		
97	24.2	11.6	34.8

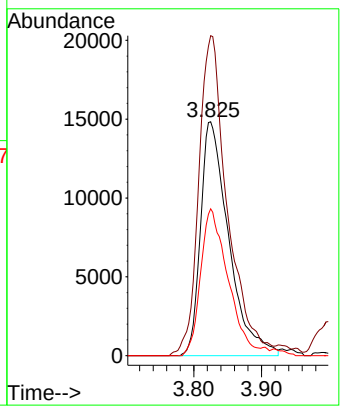




#27
cis-1,2-Dichloroethene
Concen: 5.113 ug/l
RT: 3.825 min Scan# 8
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 96 Resp: 4275

Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	275.0
98	61.1	0.0	127.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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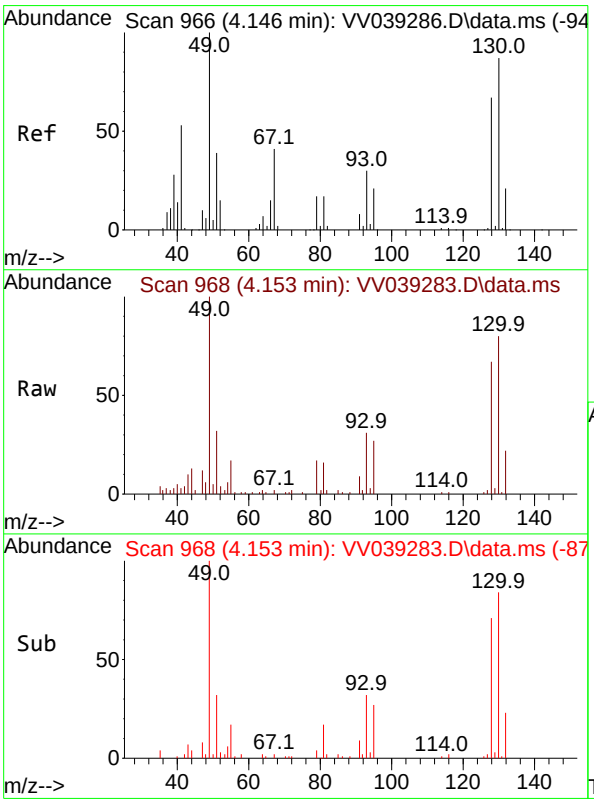
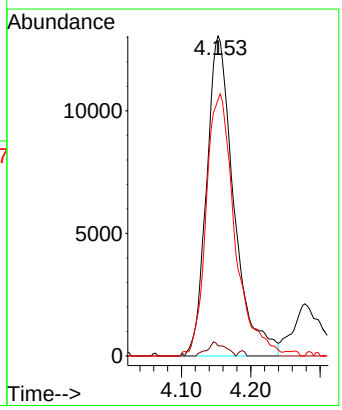
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

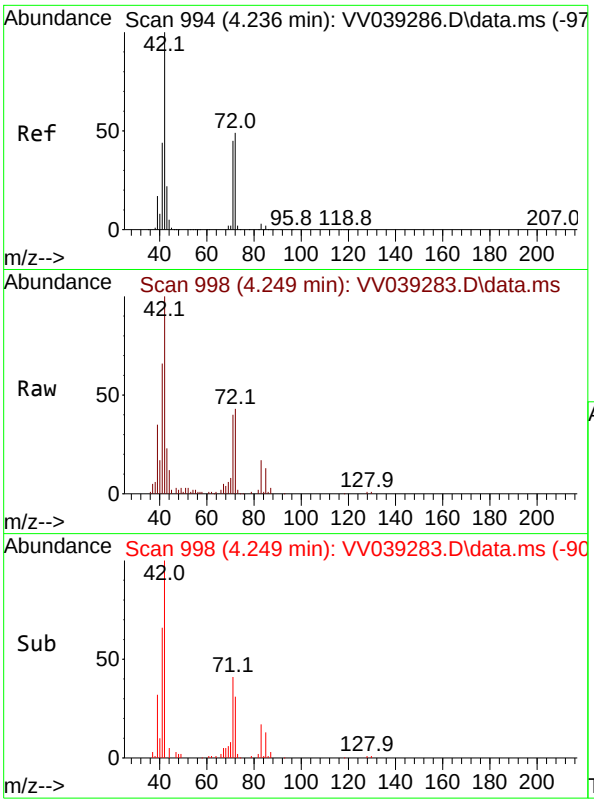


#28
Bromochloromethane
Concen: 5.396 ug/l
RT: 4.153 min Scan# 968
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 49 Resp: 35668

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	85.9	69.5	104.3

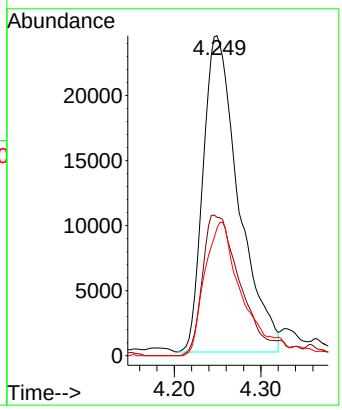




#29
Tetrahydrofuran
Concen: 21.221 ug/l
RT: 4.249 min Scan# 9
Delta R.T. 0.013 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 42 Resp: 6933

Ion	Ratio	Lower	Upper
42	100		
72	48.1	39.8	59.8
71	44.3	36.5	54.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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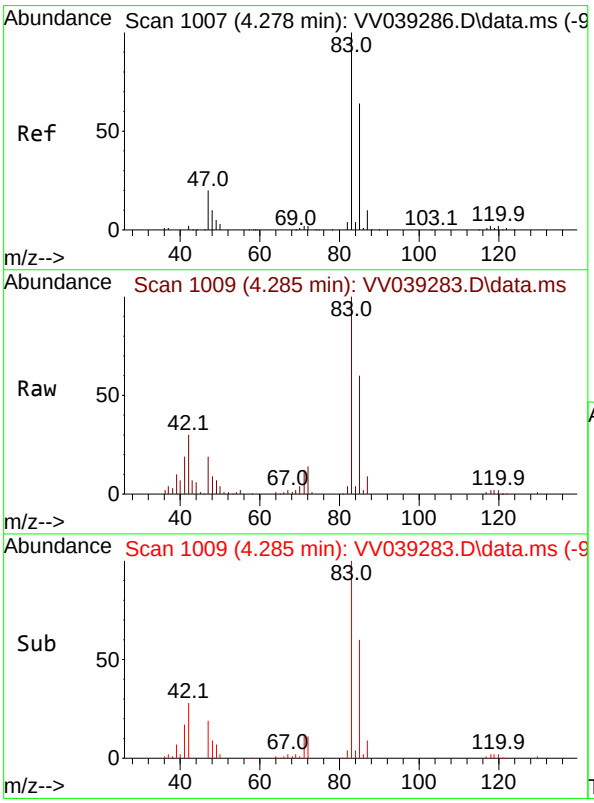
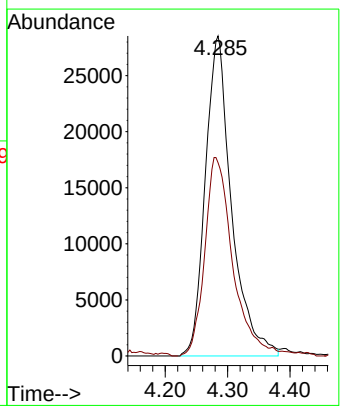
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

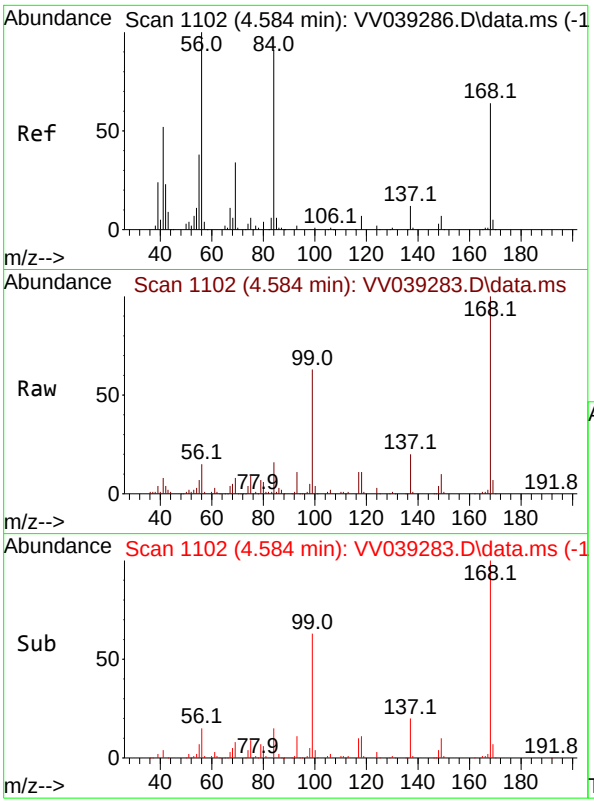


#30
Chloroform
Concen: 5.406 ug/l
RT: 4.285 min Scan# 1009
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 83 Resp: 83381

Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.1	76.7





#31
Cyclohexane
Concen: 5.337 ug/l
RT: 4.584 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 56 Resp: 5878

Ion	Ratio	Lower	Upper
56	100		
69	54.9	27.4	41.0
84	106.5	72.8	109.2

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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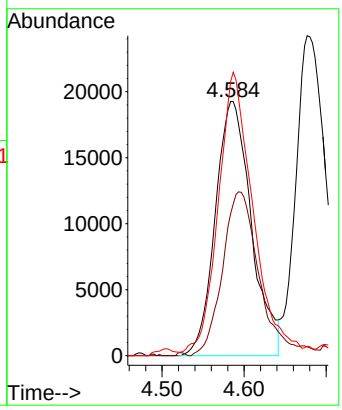
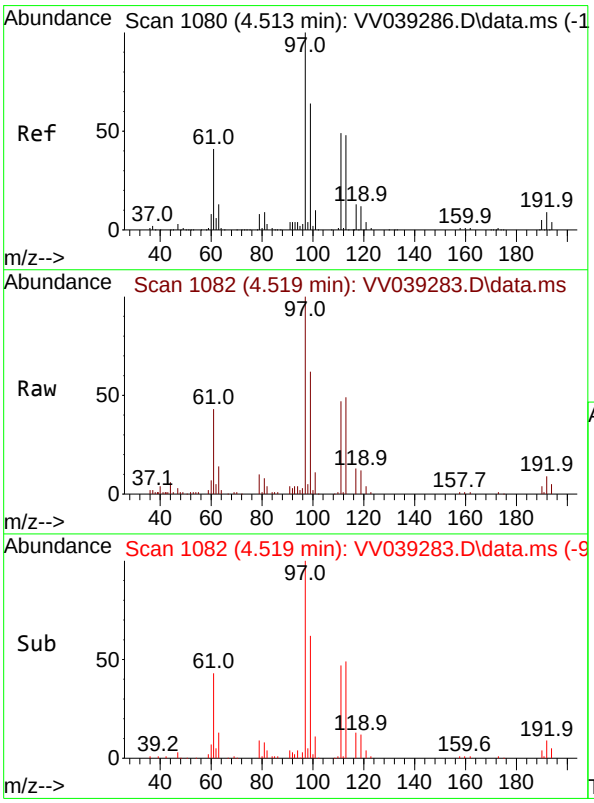
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

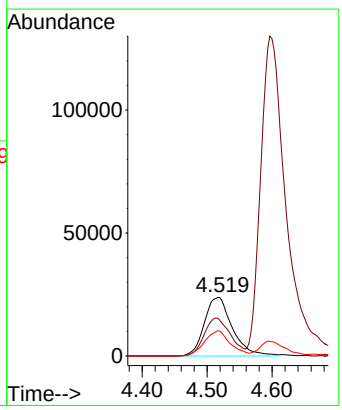


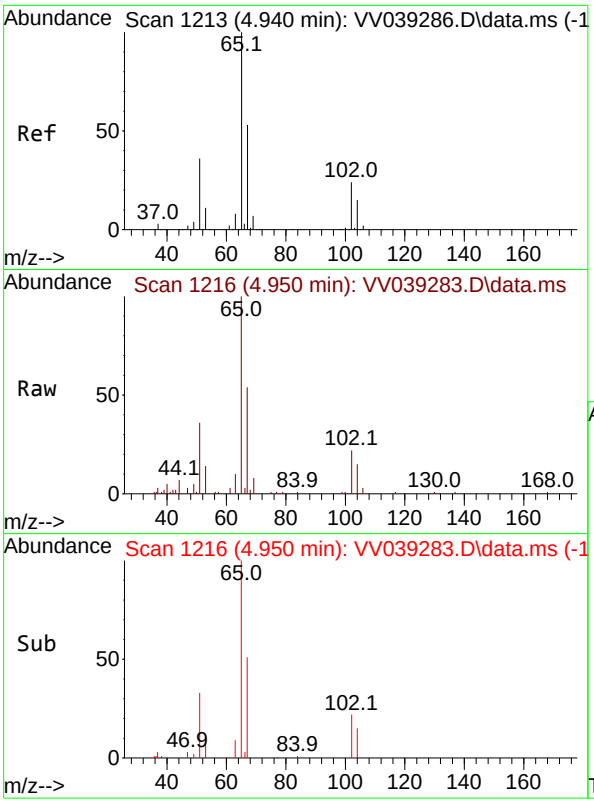


#32
1,1,1-Trichloroethane
Concen: 5.288 ug/l
RT: 4.519 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 97 Resp: 71313

Ion	Ratio	Lower	Upper
97	100		
99	60.7	48.6	72.8
61	39.8	31.8	47.8

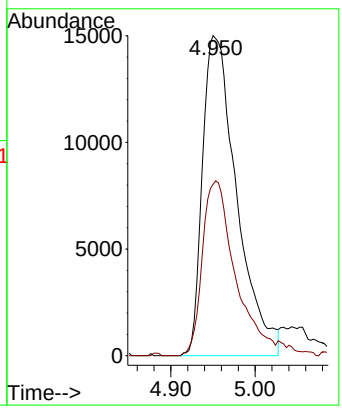




#33
1,2-Dichloroethane-d4
Concen: 5.069 ug/l
RT: 4.950 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 65 Resp: 4236

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	108.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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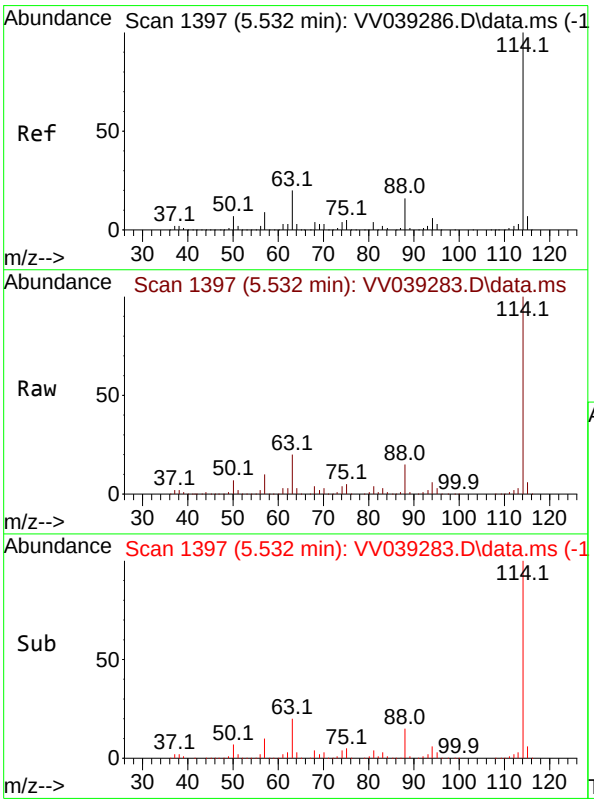
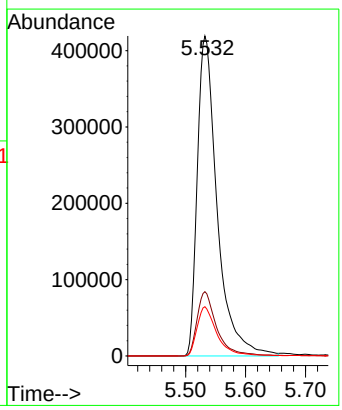
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

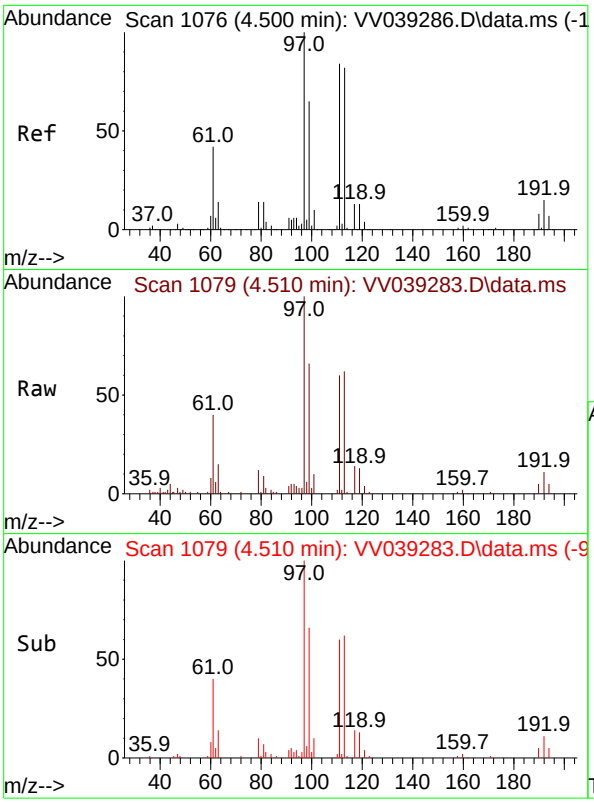


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:114 Resp: 967612

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.6
88	15.4	0.0	31.6





#35
Dibromofluoromethane
Concen: 4.966 ug/l
RT: 4.510 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:113 Resp: 3786

Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.0	123.0
192	16.4	14.3	21.5

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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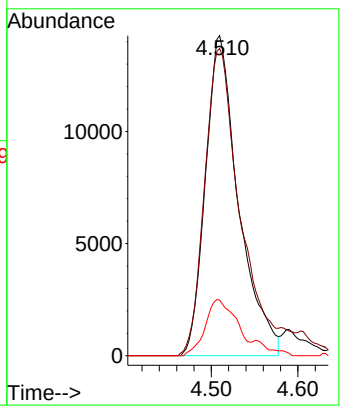
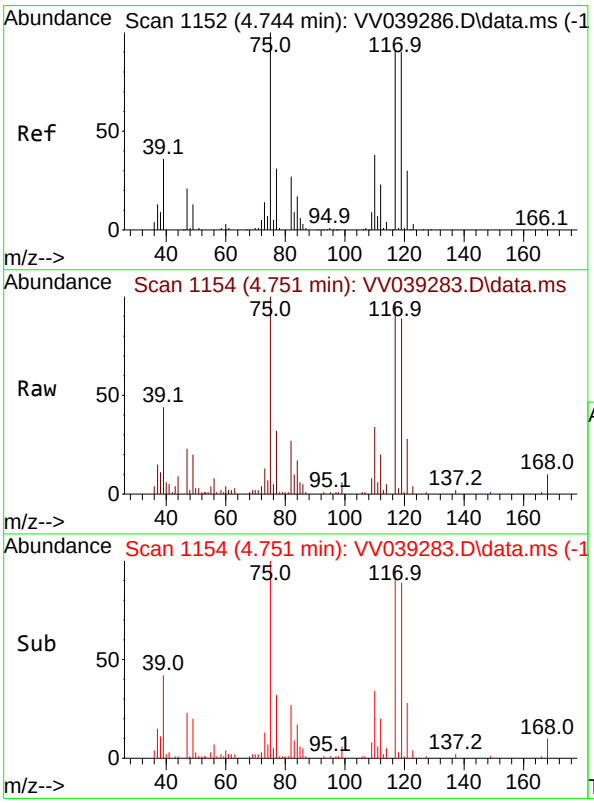
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

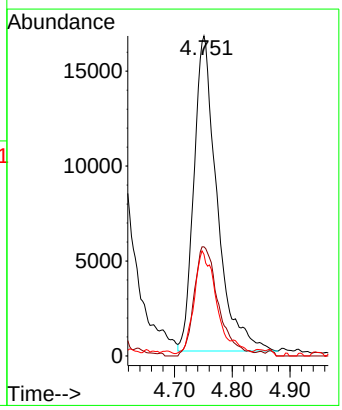


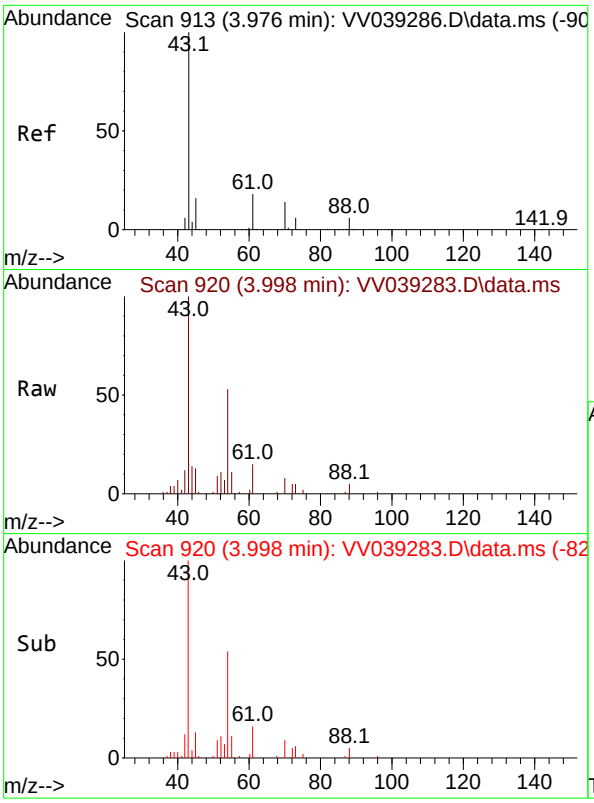


#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 4.751 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 75 Resp: 46175

Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.9	56.7
77	31.5	24.1	36.1





#37
Ethyl Acetate
Concen: 5.275 ug/l m
RT: 3.998 min Scan# 9
Delta R.T. 0.023 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 43 Resp: 5894

Ion	Ratio	Lower	Upper
43	100		
61	9.4	12.2	18.2#
70	3.0	9.0	13.4#

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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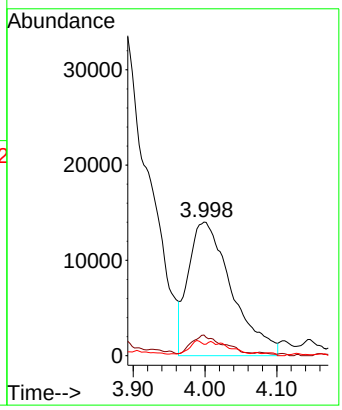
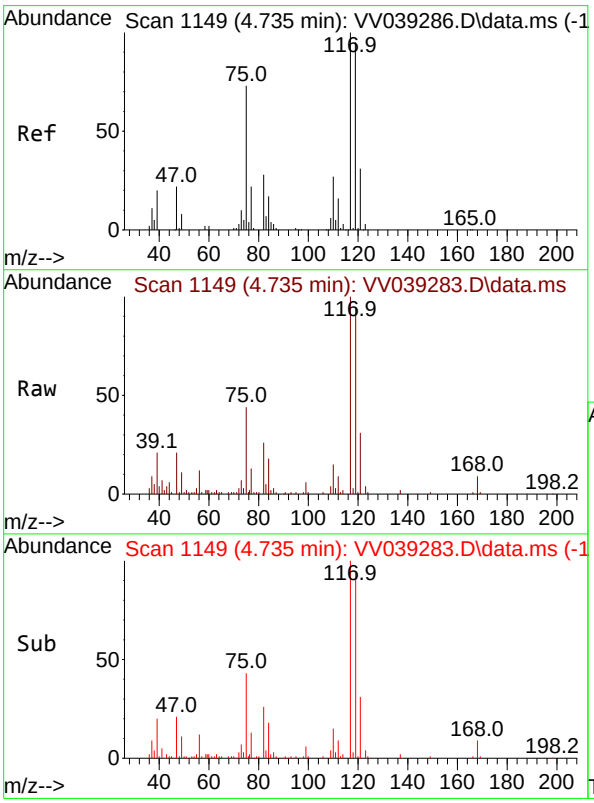
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

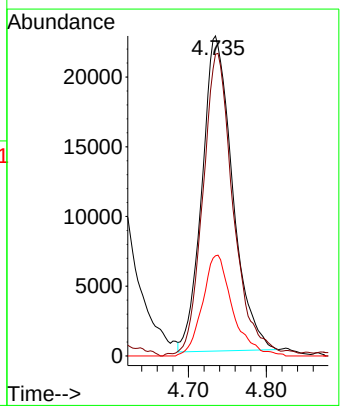


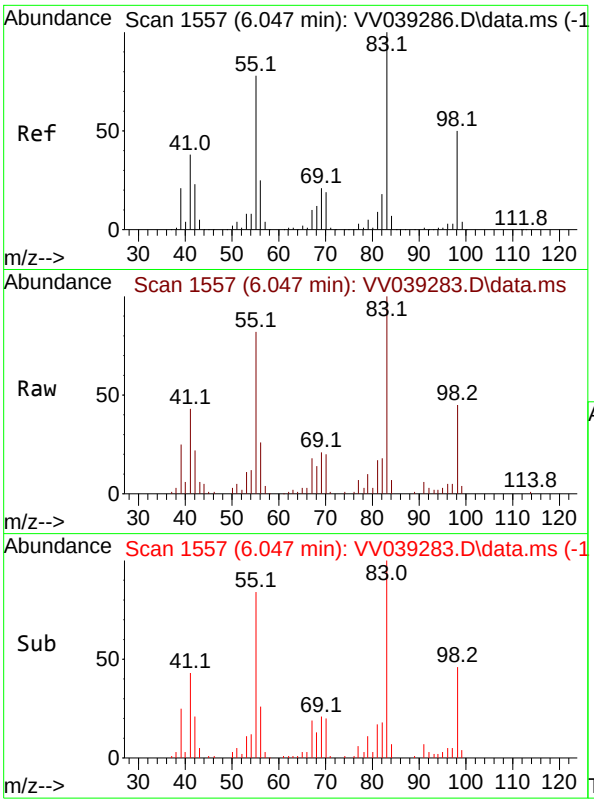


#38
Carbon Tetrachloride
Concen: 5.062 ug/l
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:117 Resp: 61436

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.9	113.9
121	31.4	24.6	37.0

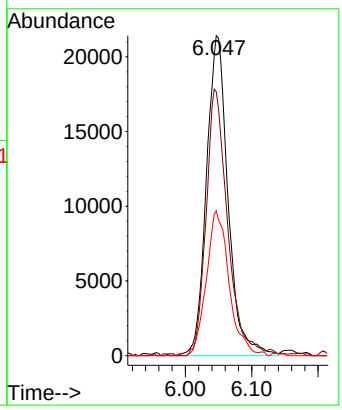




#39
Methylcyclohexane
Concen: 4.432 ug/l
RT: 6.047 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 83 Resp: 4850

Ion	Ratio	Lower	Upper
83	100		
55	82.4	62.1	93.1
98	44.7	40.2	60.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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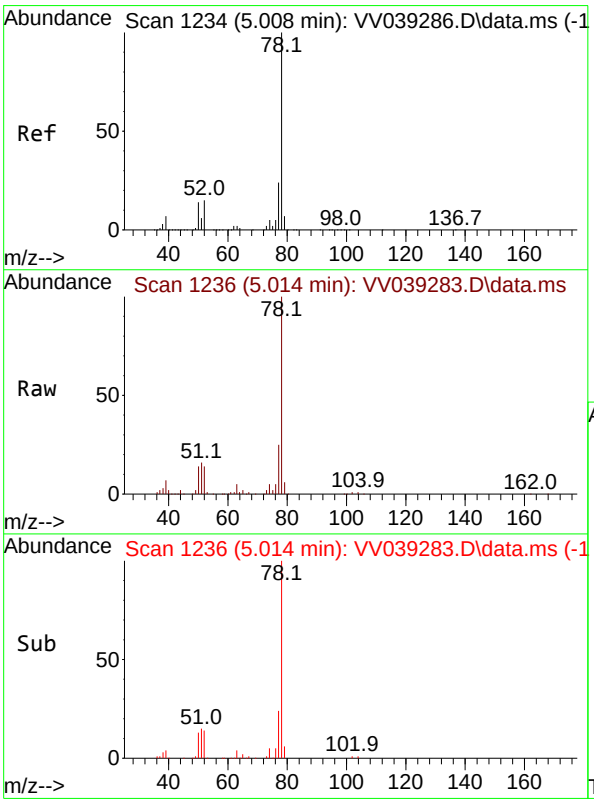
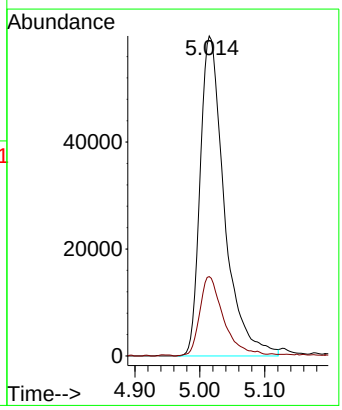
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

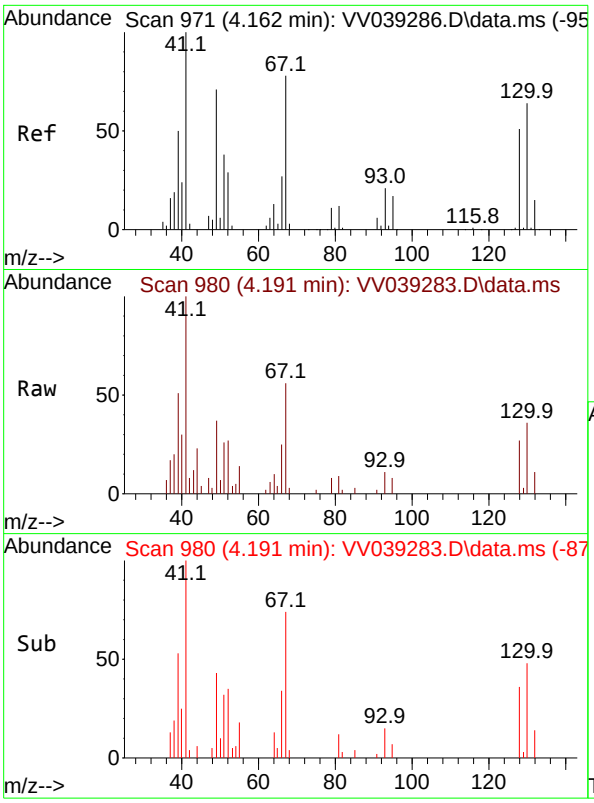


#40
Benzene
Concen: 5.051 ug/l
RT: 5.014 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 78 Resp: 155202

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3

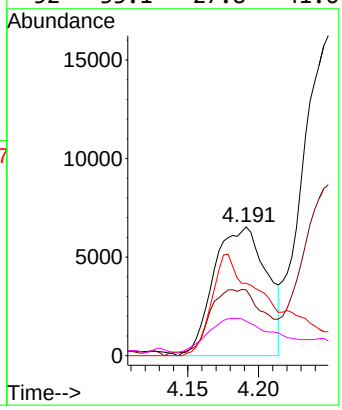




#41
Methacrylonitrile
Concen: 5.092 ug/l
RT: 4.191 min Scan# 9
Delta R.T. 0.029 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 41 Resp: 1687

Ion	Ratio	Lower	Upper
41	100		
39	54.2	40.9	61.3
67	97.6	73.1	109.7
52	33.1	27.8	41.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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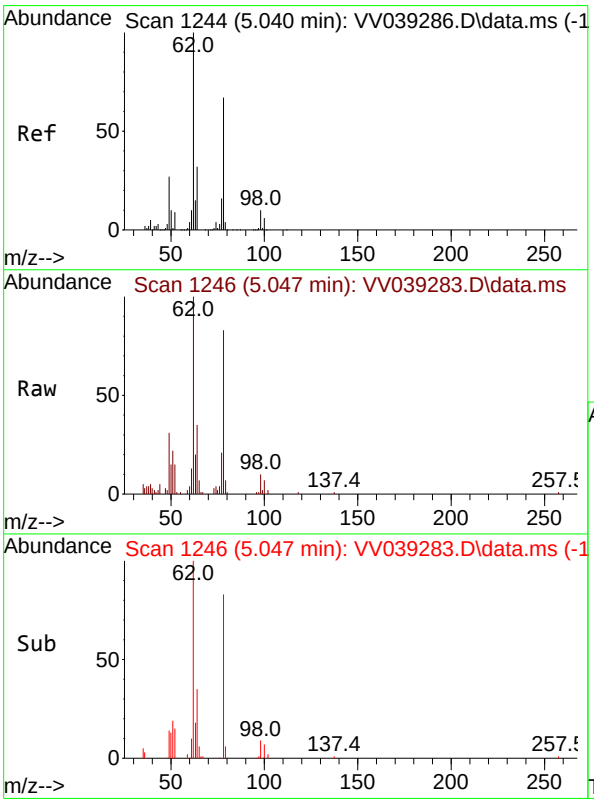
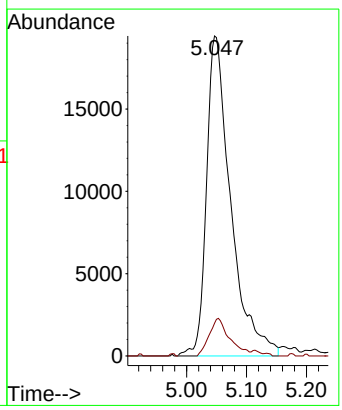
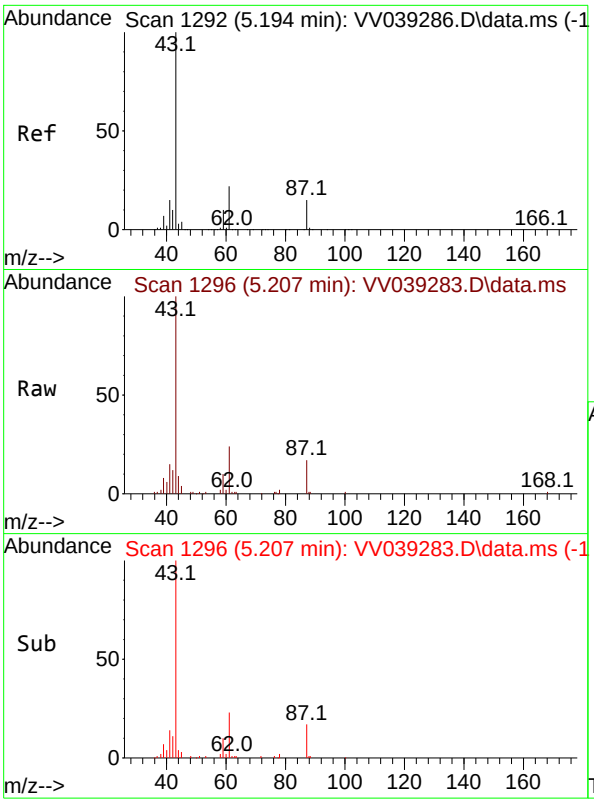


#42
1,2-Dichloroethane
Concen: 5.065 ug/l
RT: 5.047 min Scan# 1246
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 62 Resp: 54624

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	21.0

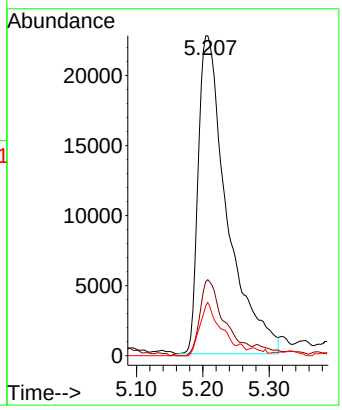




#43
Isopropyl Acetate
Concen: 4.482 ug/l
RT: 5.207 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 43 Resp: 6843

Ion	Ratio	Lower	Upper
43	100		
61	20.1	17.1	25.7
87	12.0	11.5	17.3



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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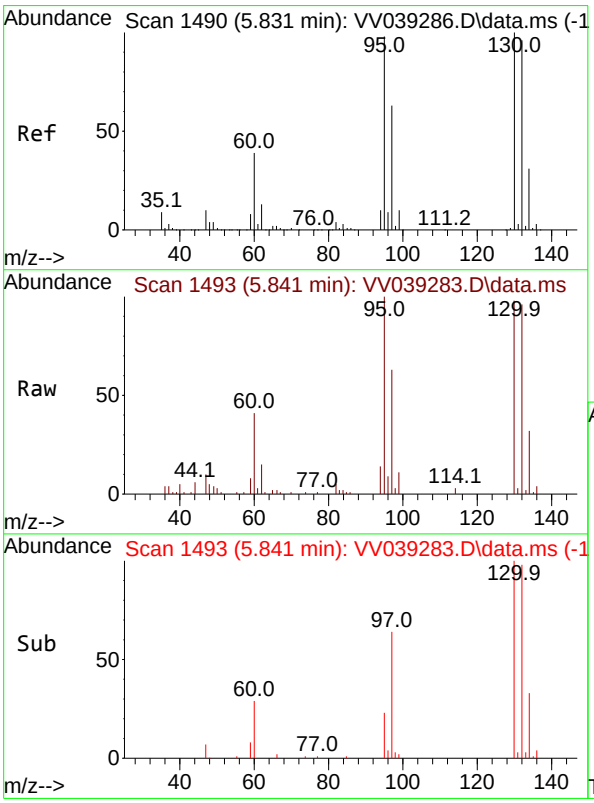
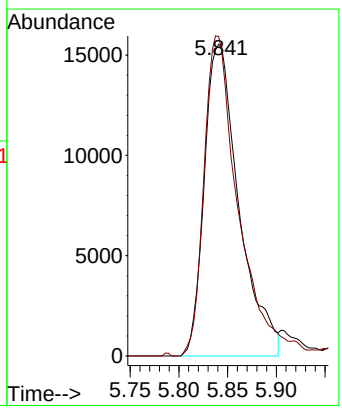
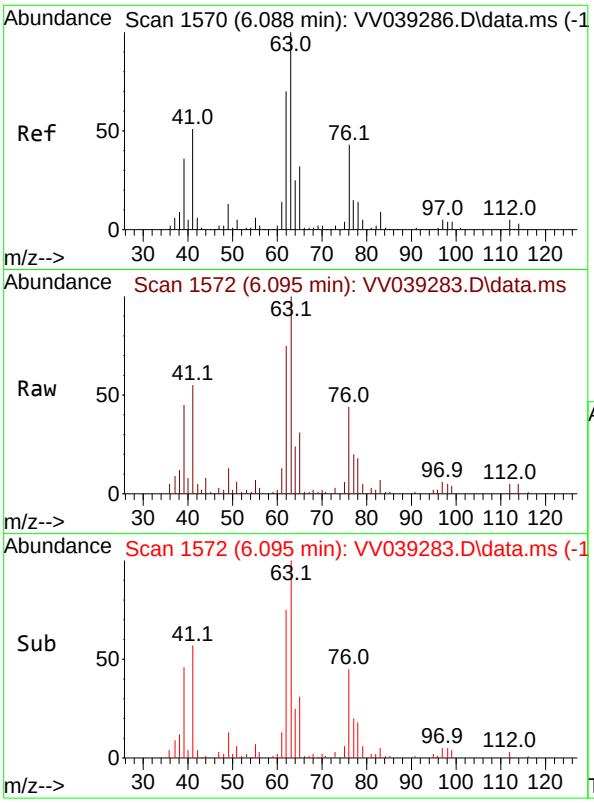


#44
Trichloroethene
Concen: 4.982 ug/l
RT: 5.841 min Scan# 1493
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:130 Resp: 38500

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	196.6





#45
1,2-Dichloropropane
Concen: 4.586 ug/l
RT: 6.095 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 63 Resp: 3429

Ion	Ratio	Lower	Upper
63	100		
65	29.3	25.4	38.2

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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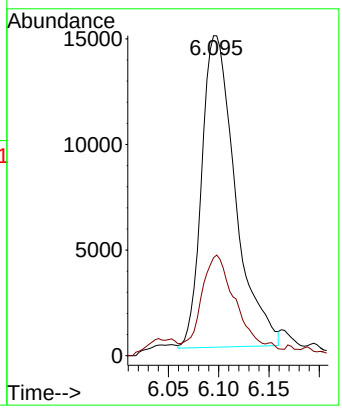
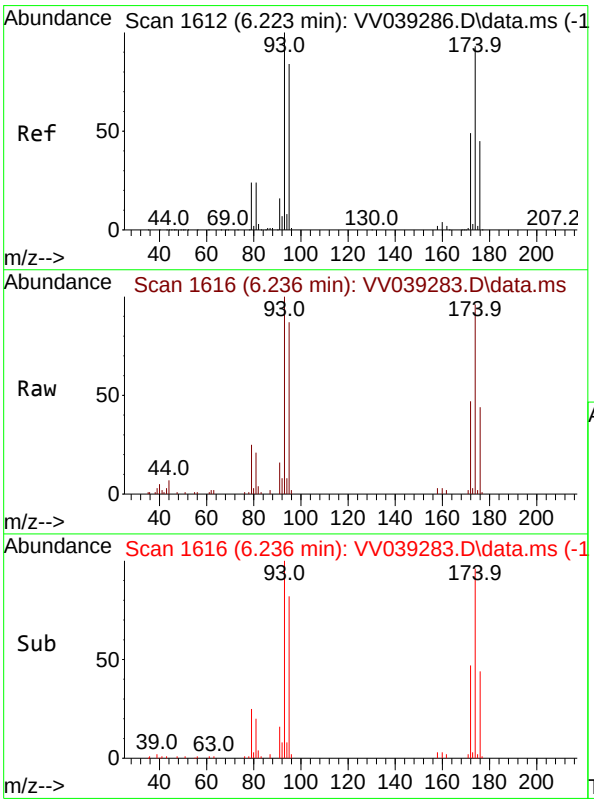
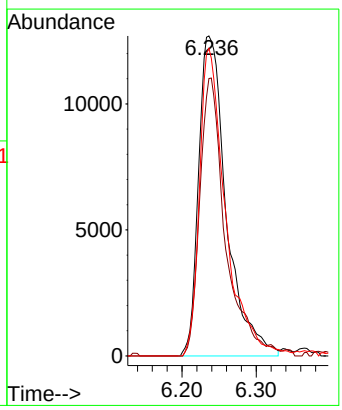


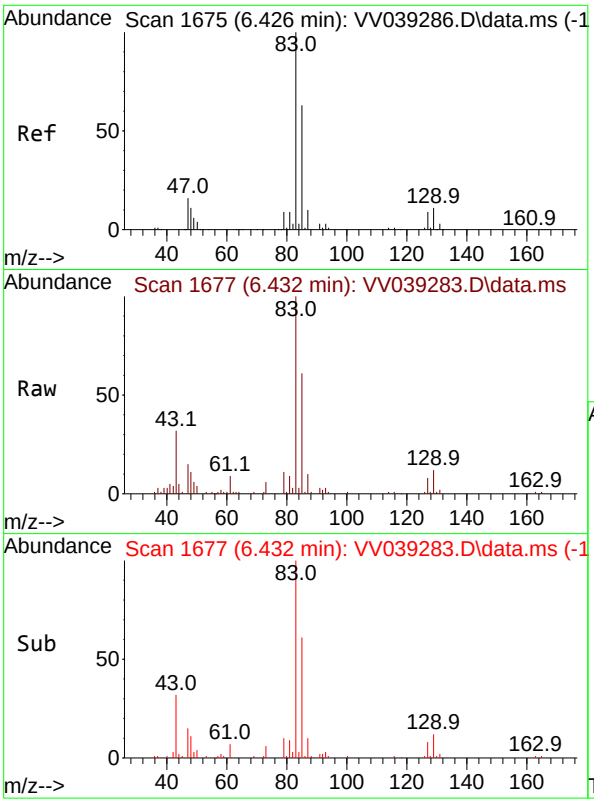


#46
Dibromomethane
Concen: 5.269 ug/l
RT: 6.236 min Scan# 1616
Delta R.T. 0.013 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 93 Resp: 32930

Ion	Ratio	Lower	Upper
93	100		
95	79.2	65.6	98.4
174	90.3	74.6	112.0

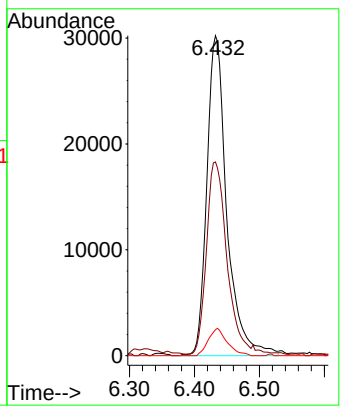




#47
Bromodichloromethane
Concen: 5.251 ug/l
RT: 6.432 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 83 Resp: 6465

Ion	Ratio	Lower	Upper
83	100		
85	59.7	50.9	76.3
127	8.2	7.0	10.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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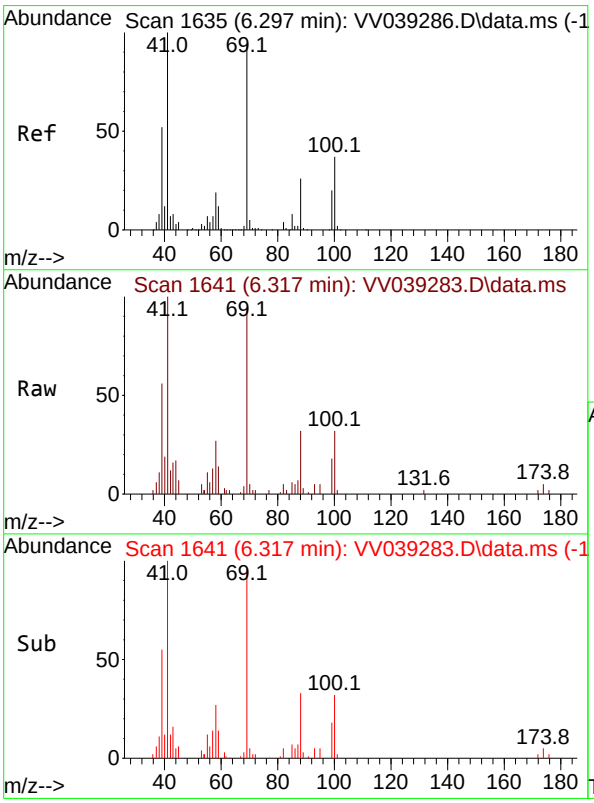
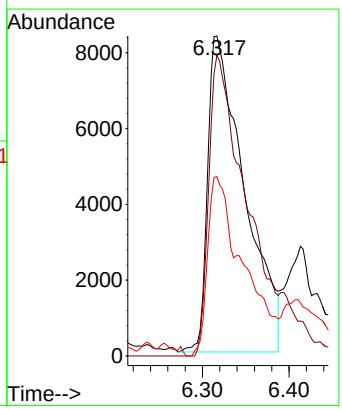
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

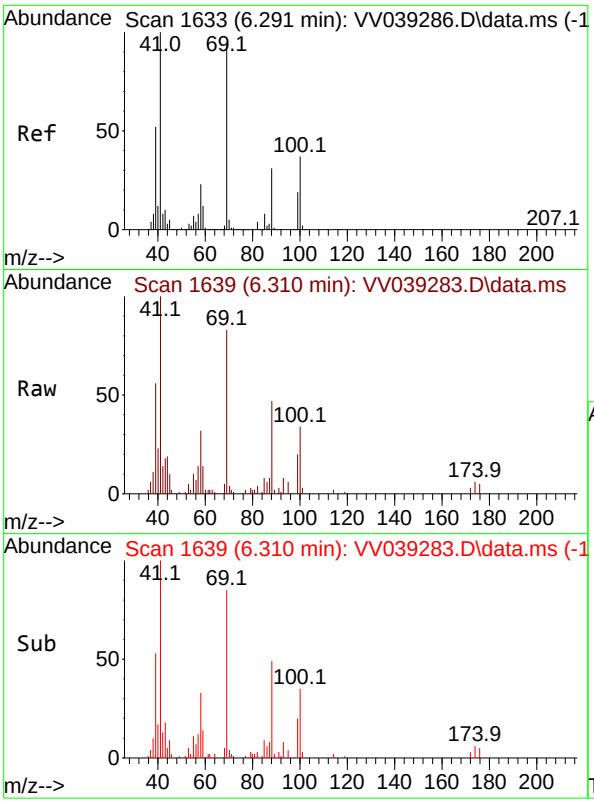


#48
Methyl methacrylate
Concen: 3.619 ug/l
RT: 6.317 min Scan# 1641
Delta R.T. 0.019 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 41 Resp: 24607

Ion	Ratio	Lower	Upper
41	100		
69	95.5	77.2	115.8
39	55.5	41.4	62.0

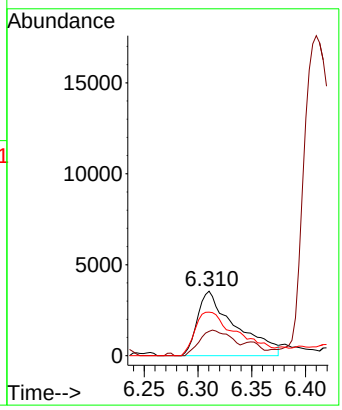




#49
1,4-Dioxane
Concen: 76.890 ug/l
RT: 6.310 min Scan# 1
Delta R.T. 0.019 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 88 Resp: 869

Ion	Ratio	Lower	Upper
88	100		
43	33.3	24.1	36.1
58	76.6	57.6	86.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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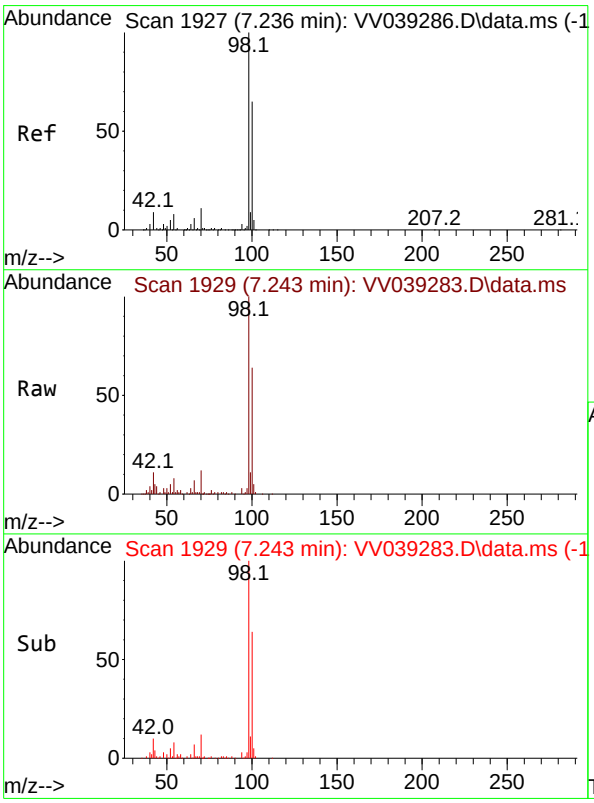
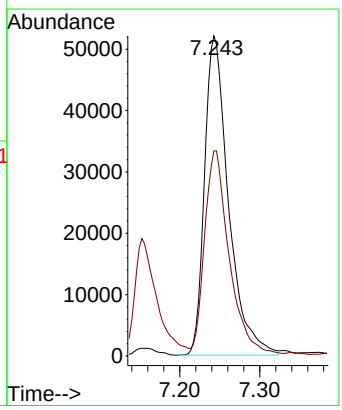
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

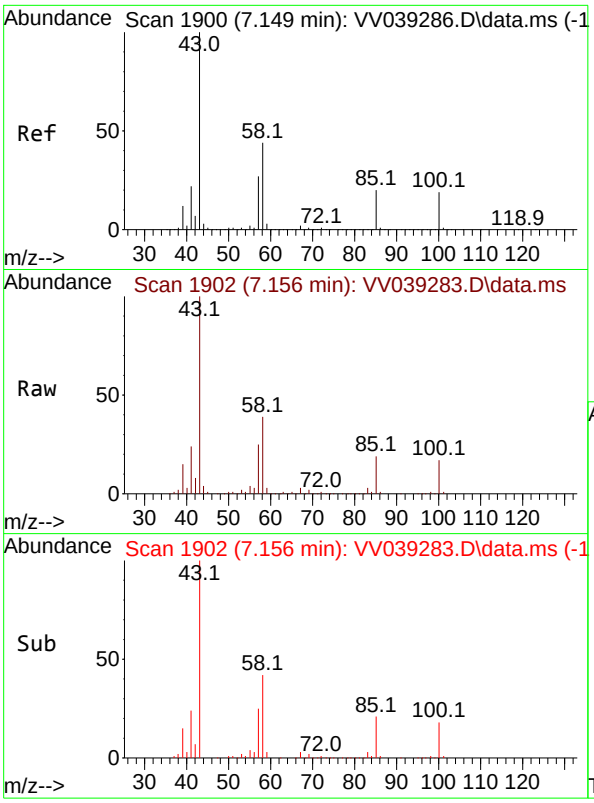


#50
Toluene-d8
Concen: 4.181 ug/l
RT: 7.243 min Scan# 1929
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 98 Resp: 108435

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.8	79.2

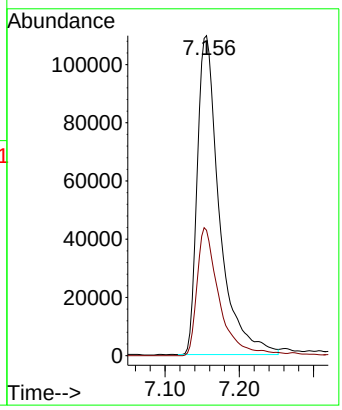




#51
4-Methyl-2-Pentanone
Concen: 22.339 ug/l
RT: 7.156 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 43 Resp: 22747

Ion	Ratio	Lower	Upper
43	100		
58	40.3	34.2	51.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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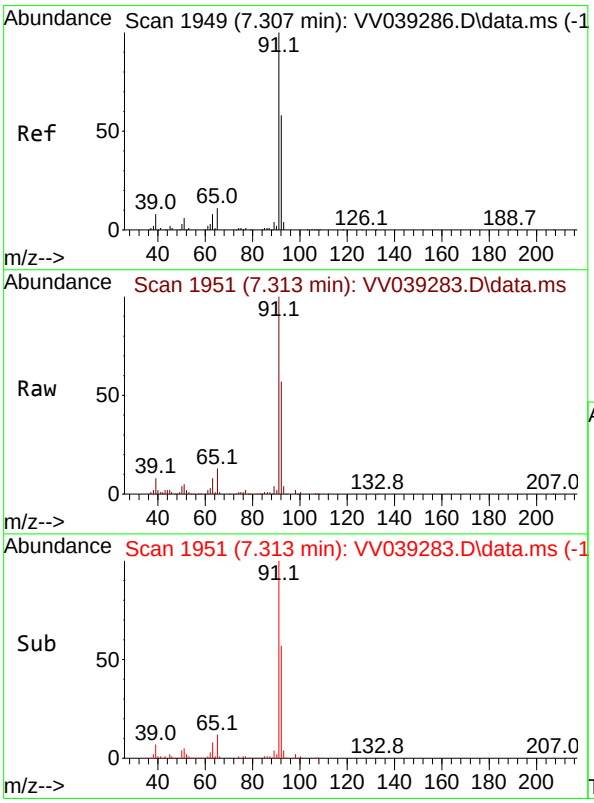
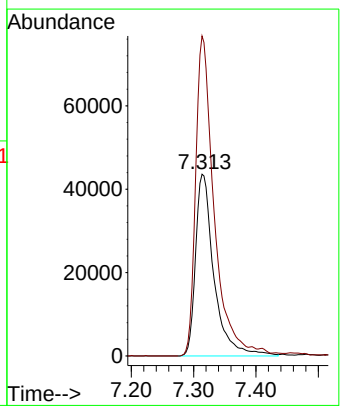
Supervised By :Mahesh Dadoda 10/10/2025

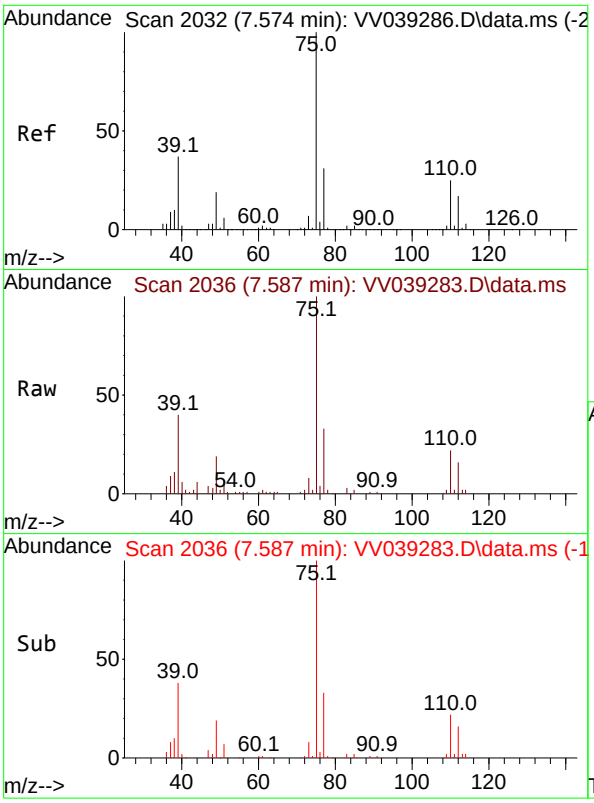


#52
Toluene
Concen: 4.834 ug/l
RT: 7.313 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 92 Resp: 89683

Ion	Ratio	Lower	Upper
92	100		
91	175.0	137.3	205.9

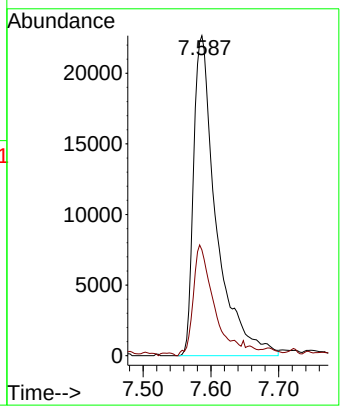




#53
t-1,3-Dichloropropene
Concen: 4.876 ug/l
RT: 7.587 min Scan# 2
Delta R.T. 0.013 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 75 Resp: 5248

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.1	37.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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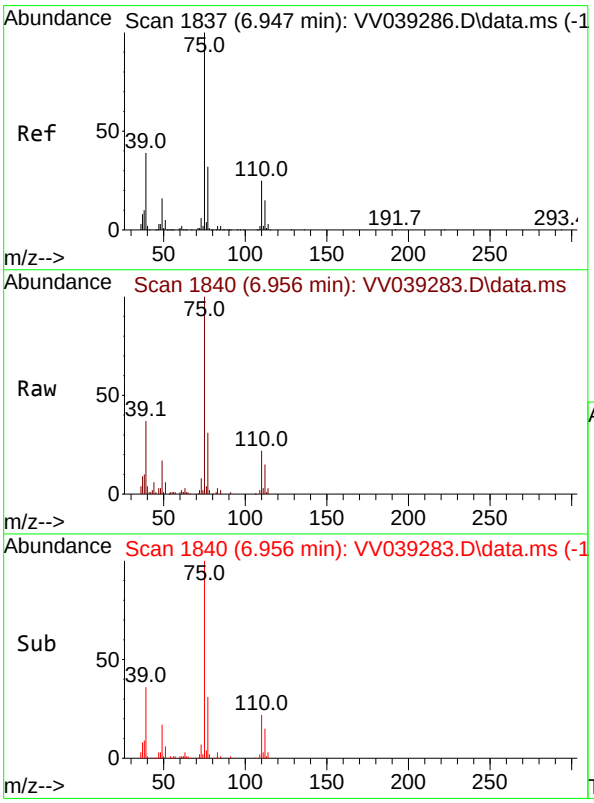
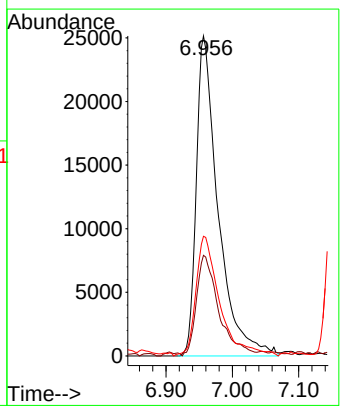
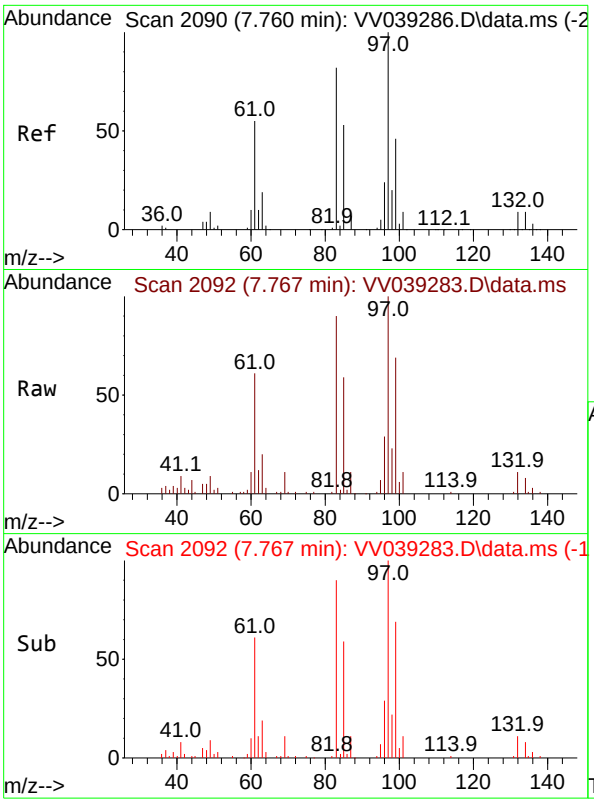


#54
cis-1,3-Dichloropropene
Concen: 4.797 ug/l
RT: 6.956 min Scan# 1840
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 75 Resp: 57395

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4
39	37.4	31.0	46.6

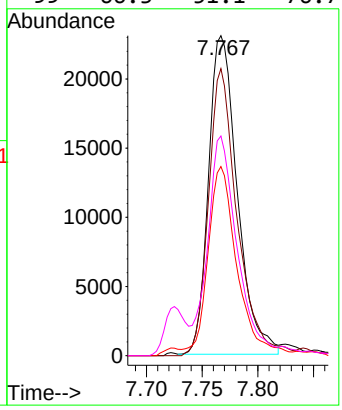




#55
1,1,2-Trichloroethane
Concen: 4.947 ug/l
RT: 7.767 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 97 Resp: 4144

Ion	Ratio	Lower	Upper
97	100		
83	90.1	65.8	98.8
85	57.4	43.3	64.9
99	66.3	51.1	76.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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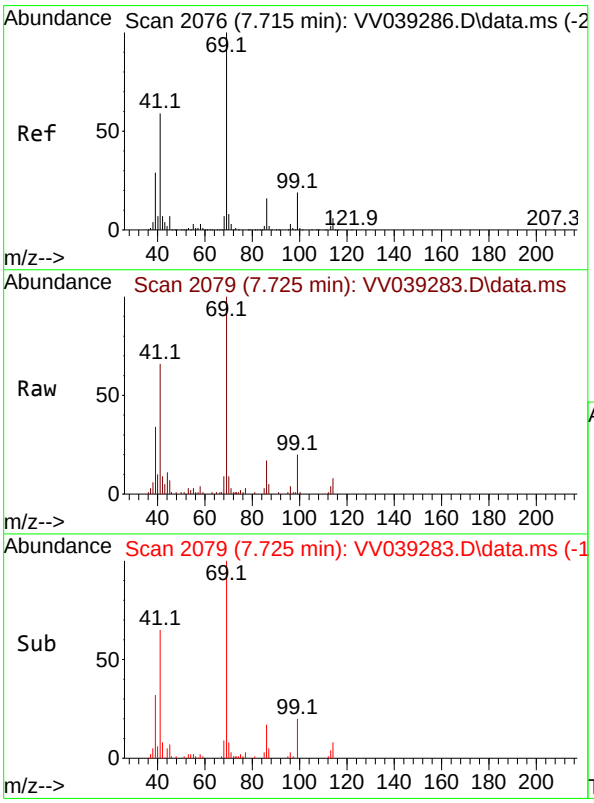
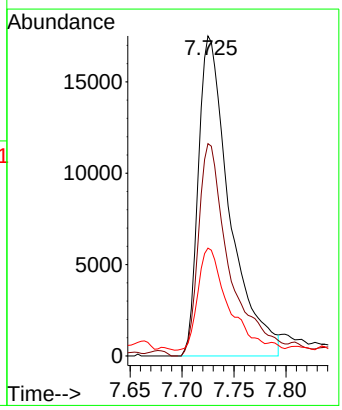
Supervised By :Mahesh Dadoda 10/10/2025

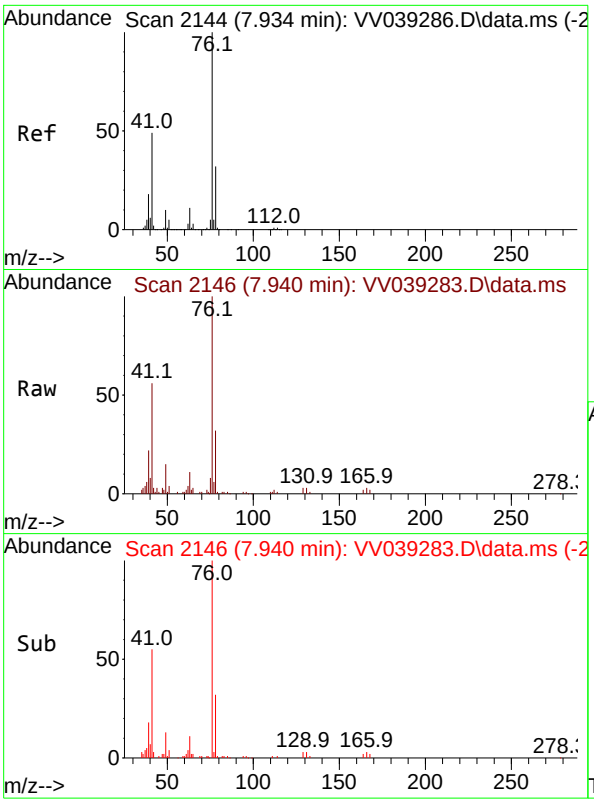


#56
Ethyl methacrylate
Concen: 3.928 ug/l
RT: 7.725 min Scan# 2079
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 69 Resp: 36737

Ion	Ratio	Lower	Upper
69	100		
41	66.0	47.1	70.7
39	30.4	23.2	34.8

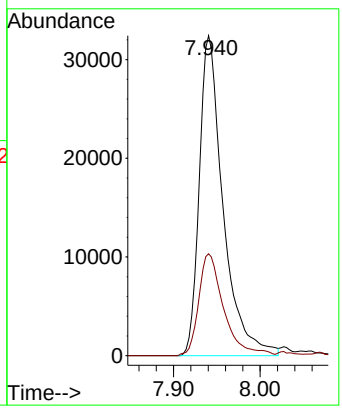




#57
1,3-Dichloropropane
Concen: 4.894 ug/l
RT: 7.940 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 76 Resp: 6187

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.6	38.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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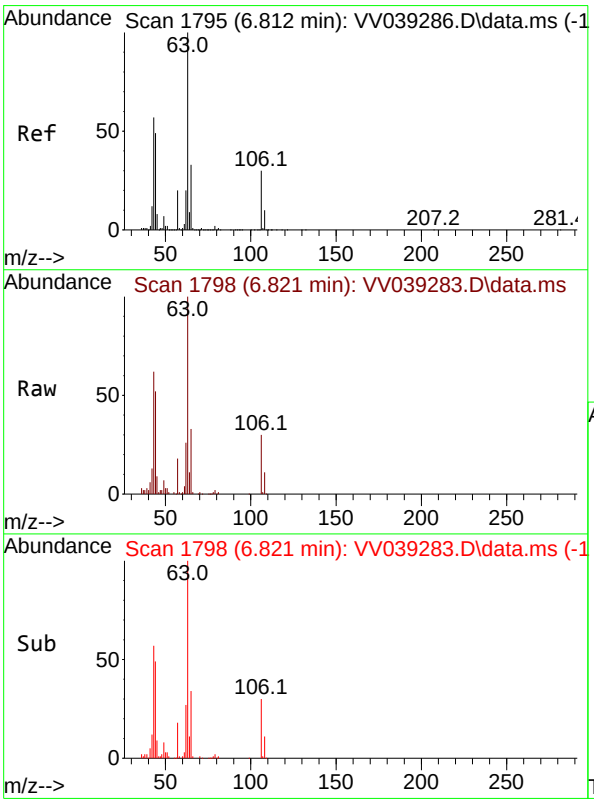
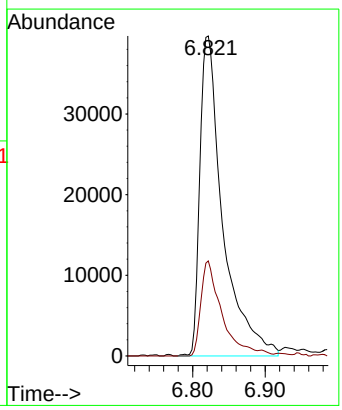
Supervised By :Mahesh Dadoda 10/10/2025

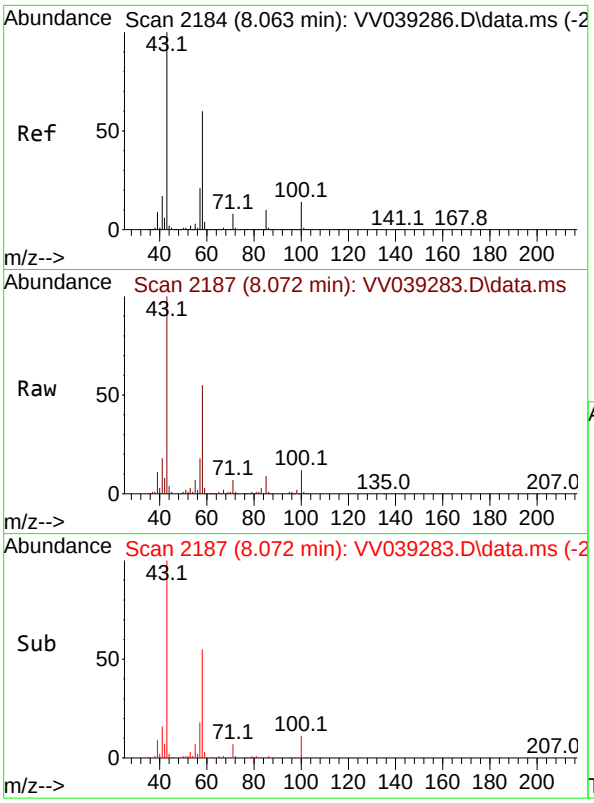


#58
2-Chloroethyl Vinyl ether
Concen: 22.960 ug/l
RT: 6.821 min Scan# 1798
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 63 Resp: 86926

Ion	Ratio	Lower	Upper
63	100		
106	26.6	23.5	35.3





#59
2-Hexanone
Concen: 20.847 ug/l
RT: 8.072 min Scan# 2
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 43 Resp: 15584

Ion	Ratio	Lower	Upper
43	100		
58	54.5	29.6	88.9

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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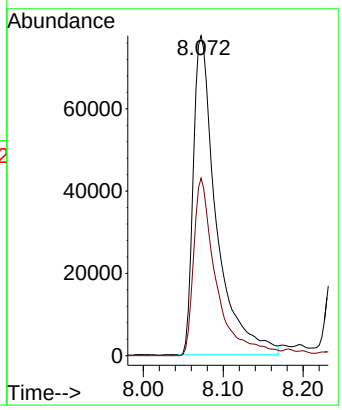
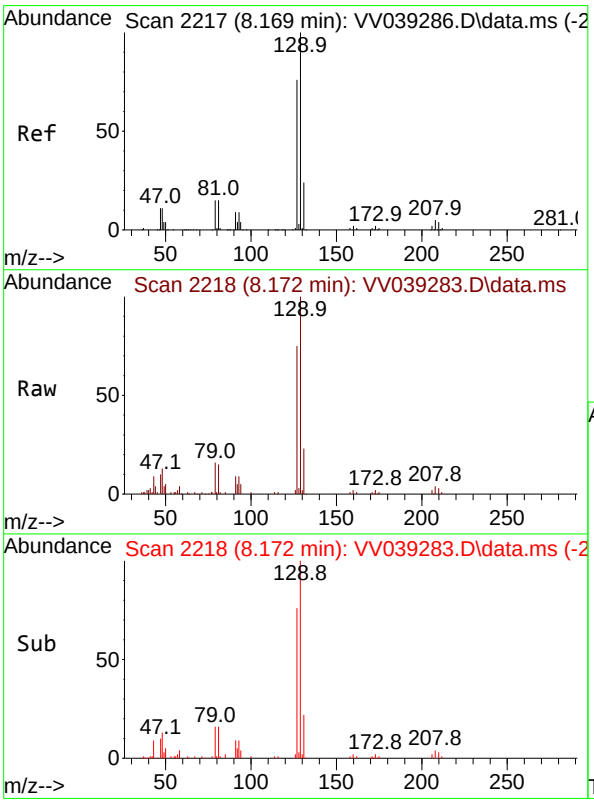
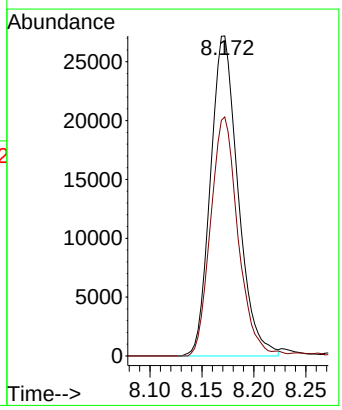


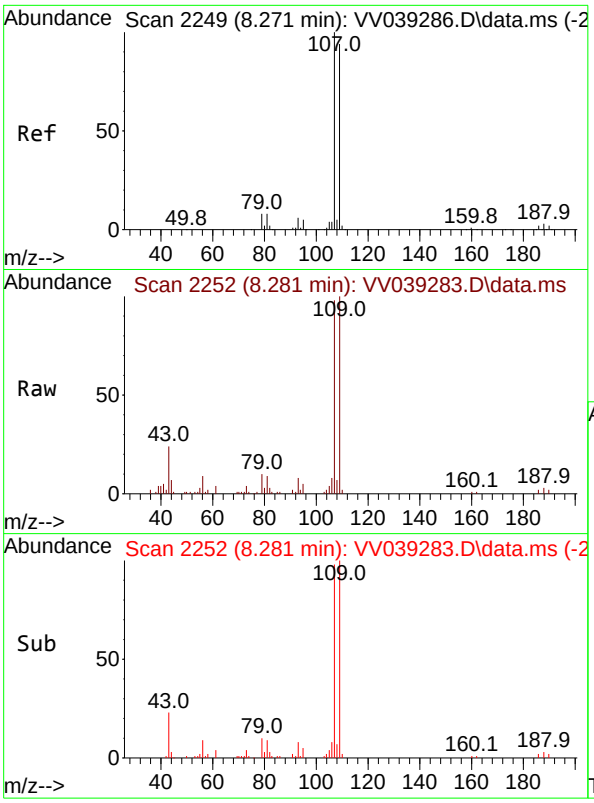


#60
Dibromochloromethane
Concen: 5.125 ug/l
RT: 8.172 min Scan# 2218
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:129 Resp: 50201

Ion	Ratio	Lower	Upper
129	100		
127	74.3	38.4	115.1





#61
1,2-Dibromoethane
Concen: 4.981 ug/l
RT: 8.281 min Scan# 2
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:107 Resp: 4344

Ion	Ratio	Lower	Upper
107	100		
109	98.6	75.8	113.6

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
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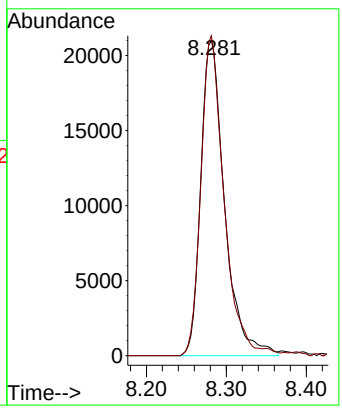
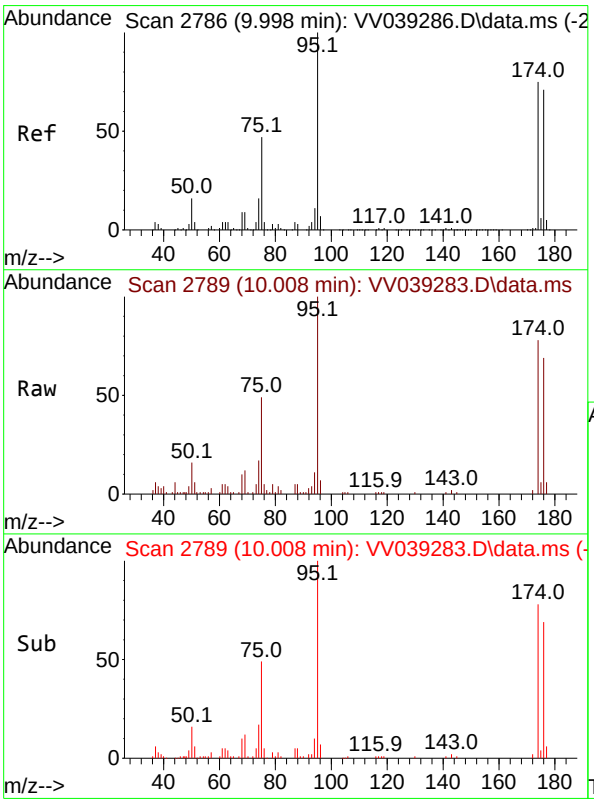
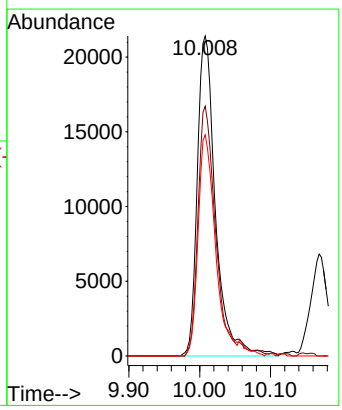


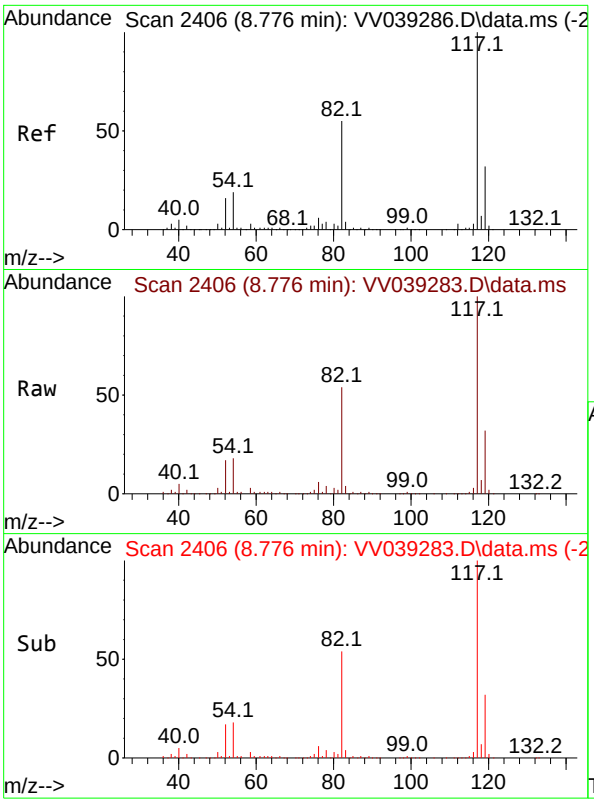


#62
4-Bromofluorobenzene
Concen: 4.146 ug/l
RT: 10.008 min Scan# 2789
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 95 Resp: 38301

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	153.6
176	65.5	0.0	146.0

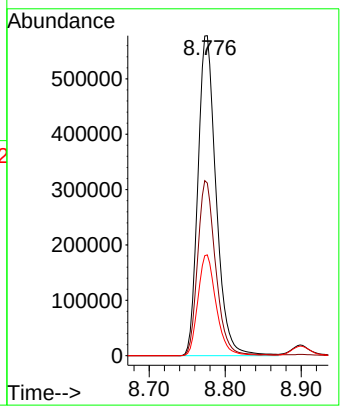




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:117 Resp: 96110

Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.8	65.8
119	31.5	25.8	38.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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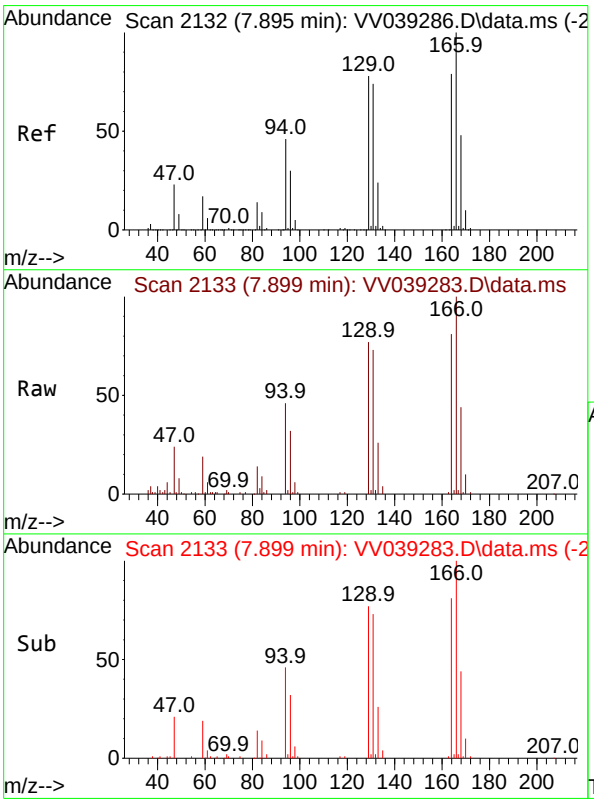
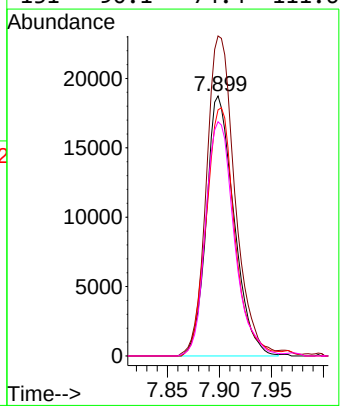
Supervised By :Mahesh Dadoda 10/10/2025

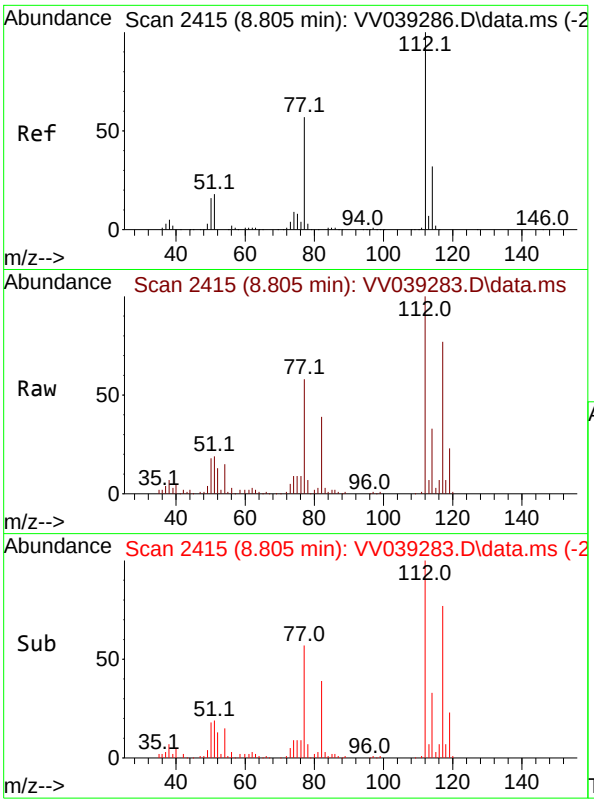


#64
Tetrachloroethene
Concen: 4.950 ug/l
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:164 Resp: 34702

Ion	Ratio	Lower	Upper
164	100		
166	123.0	101.0	151.6
129	94.6	79.0	118.6
131	90.1	74.4	111.6





#65
Chlorobenzene
Concen: 5.005 ug/l
RT: 8.805 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:112 Resp: 11386

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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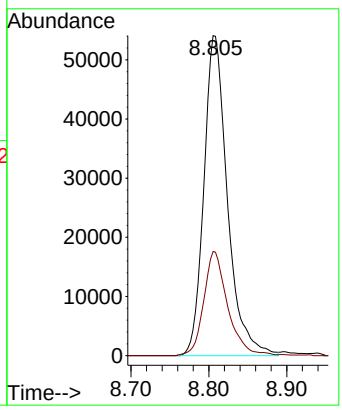
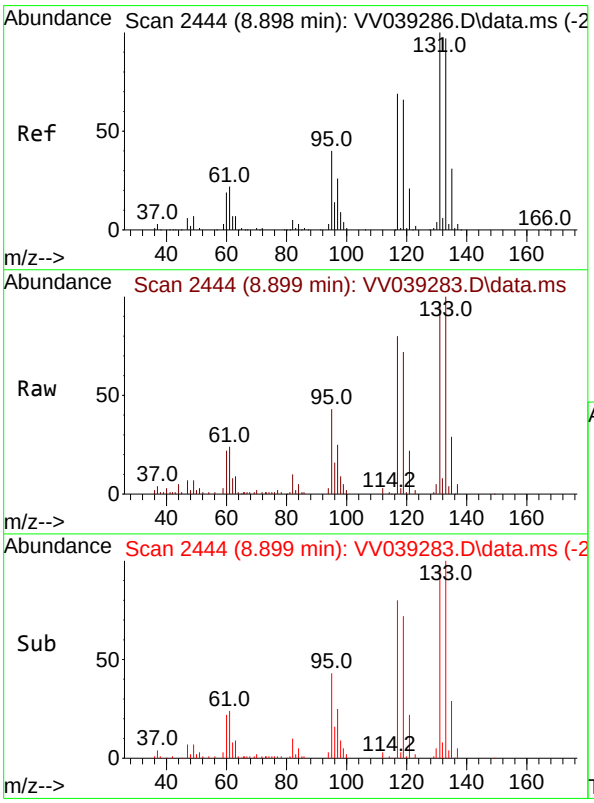
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

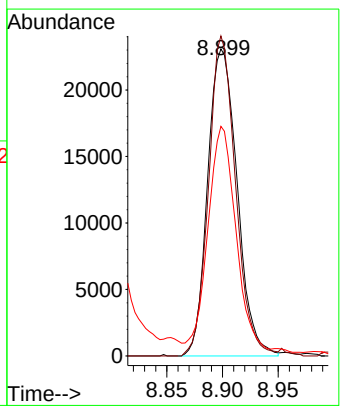


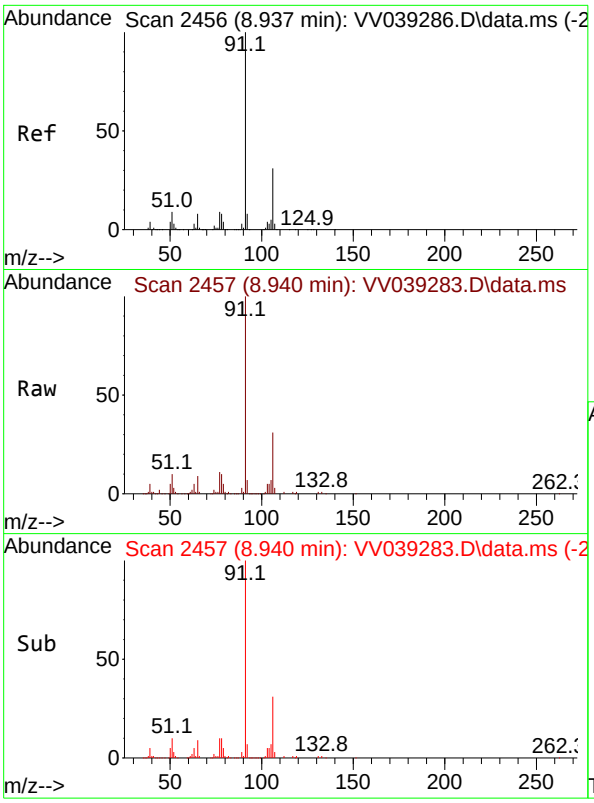


#66
1,1,1,2-Tetrachloroethane
Concen: 4.991 ug/l
RT: 8.899 min Scan# 2444
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:131 Resp: 42539

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.8	143.3
119	67.5	32.7	98.1

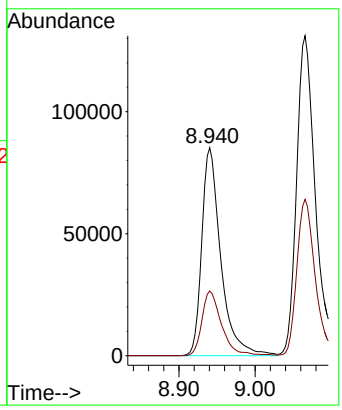




#67
Ethyl Benzene
Concen: 4.430 ug/l
RT: 8.940 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 91 Resp: 14846

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.6	37.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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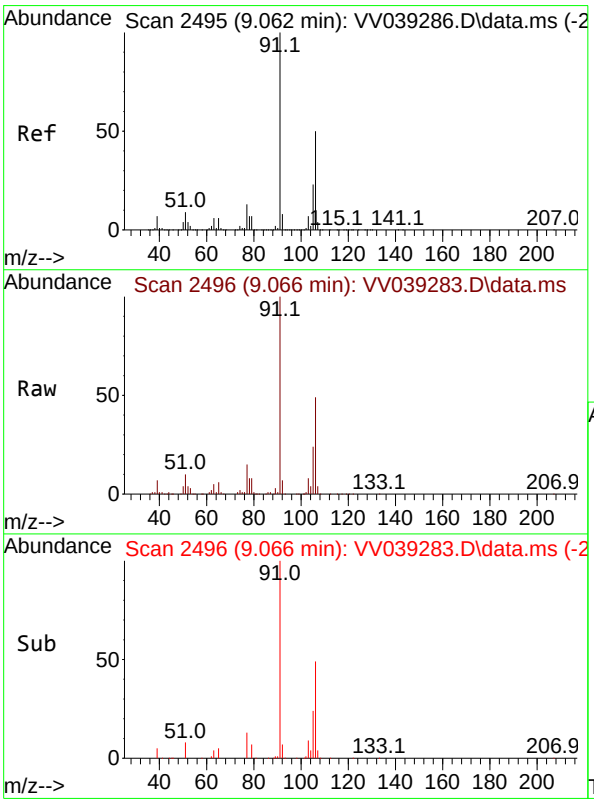
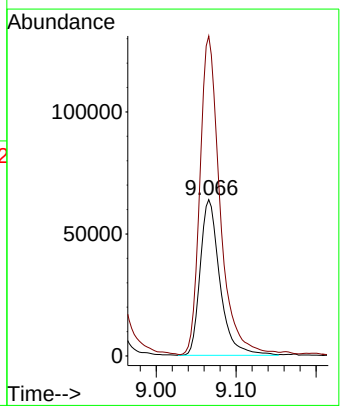
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

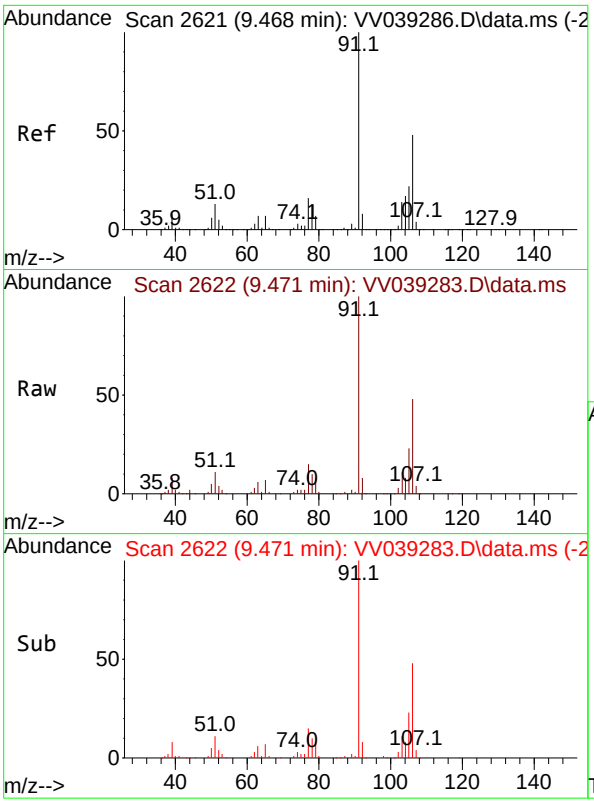


#68
m/p-Xylenes
Concen: 8.230 ug/l
RT: 9.066 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:106 Resp: 109401

Ion	Ratio	Lower	Upper
106	100		
91	208.6	160.2	240.2





#69
o-Xylene
Concen: 4.204 ug/l
RT: 9.471 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:106 Resp: 4935

Ion	Ratio	Lower	Upper
106	100		
91	217.6	105.8	317.3

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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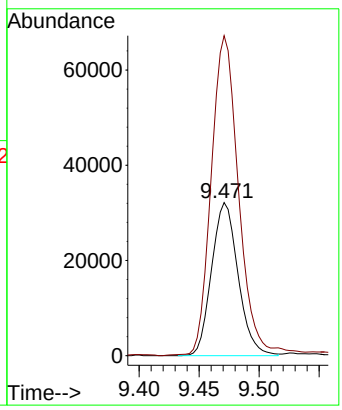
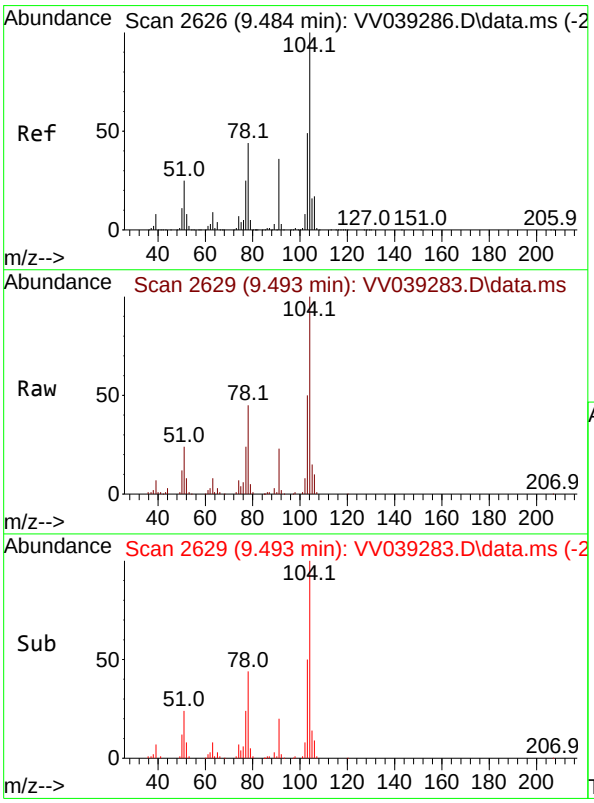
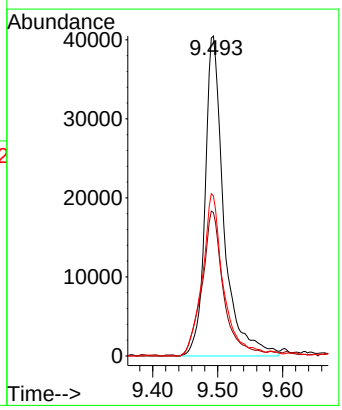


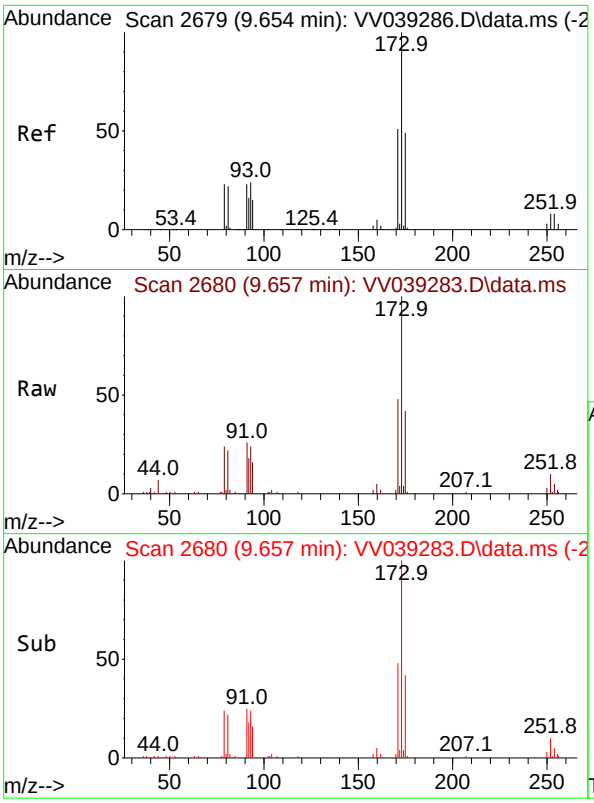


#70
Styrene
Concen: 3.915 ug/l
RT: 9.493 min Scan# 2629
Delta R.T. 0.010 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:104 Resp: 81766

Ion	Ratio	Lower	Upper
104	100		
78	51.7	38.9	58.3
103	56.6	42.9	64.3

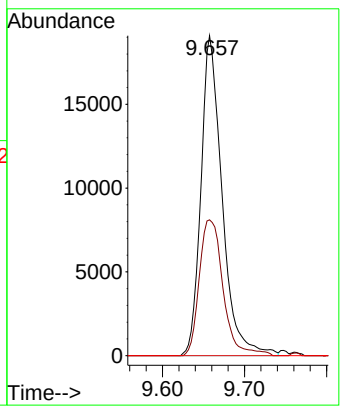




#71
Bromoform
Concen: 4.971 ug/l
RT: 9.657 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:173 Resp: 3426

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.6	73.6
254	0.0	0.2	0.2



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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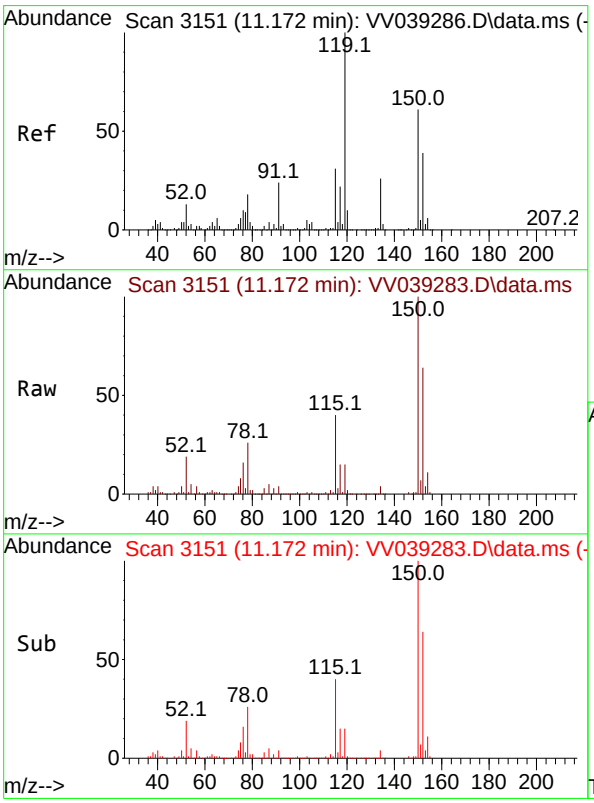
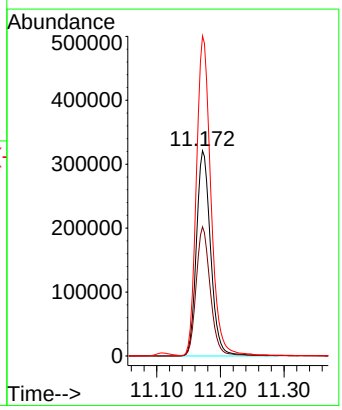
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

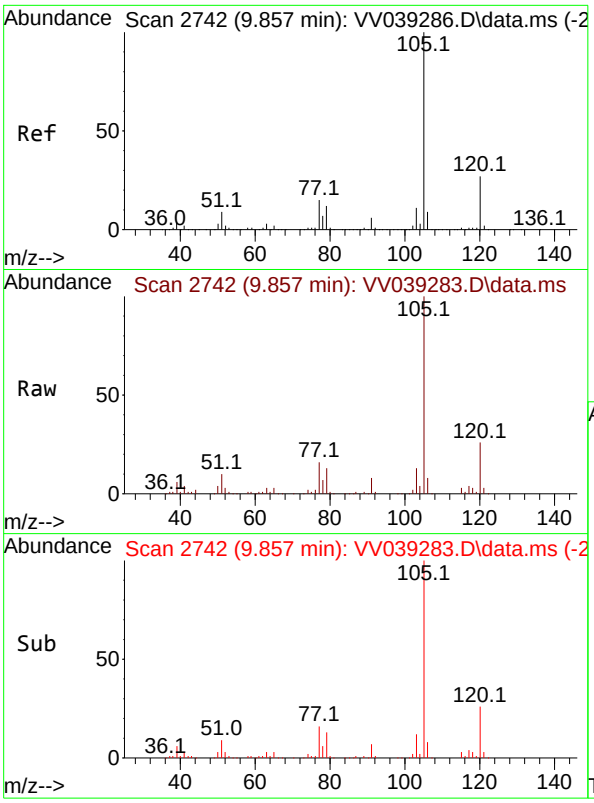


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:152 Resp: 497241

Ion	Ratio	Lower	Upper
152	100		
115	62.6	42.3	126.8
150	158.2	0.0	348.0





#73
Isopropylbenzene
Concen: 4.372 ug/l
RT: 9.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:105 Resp: 13201

Ion	Ratio	Lower	Upper
105	100		
120	24.8	13.2	39.5

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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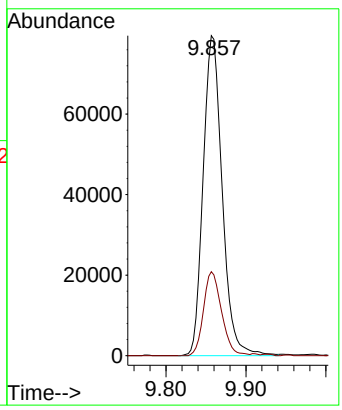
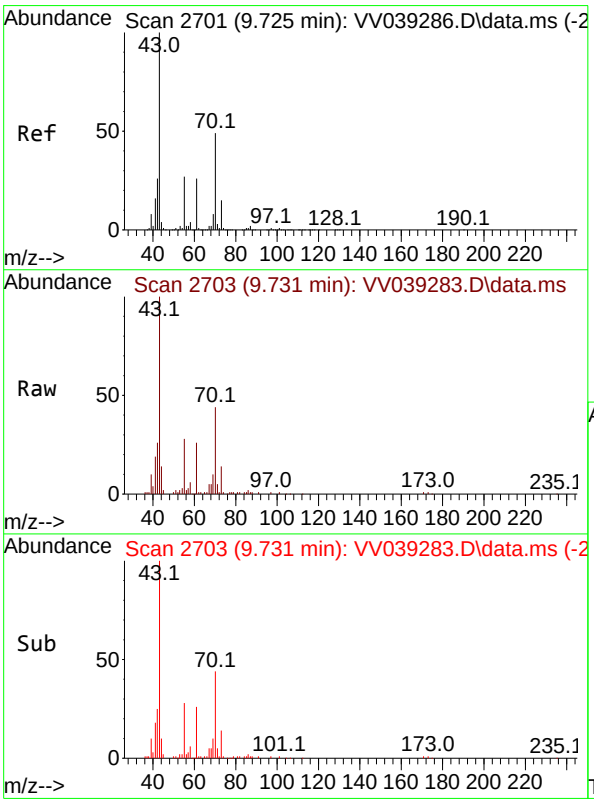
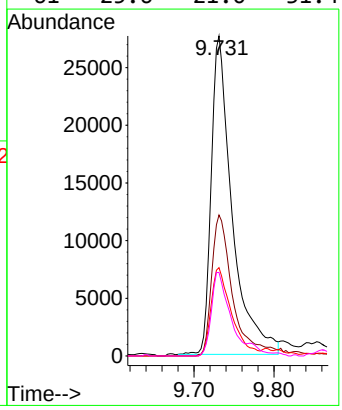


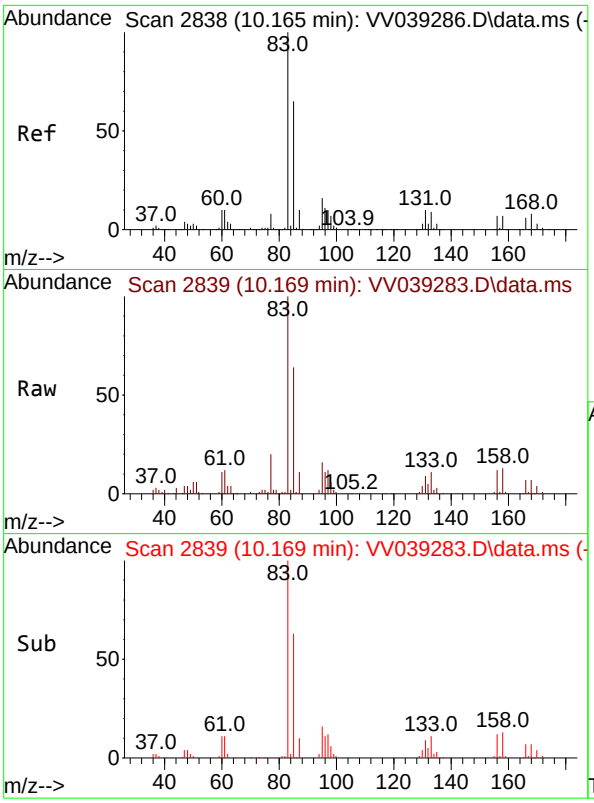


#74
N-amyl acetate
Concen: 4.008 ug/l
RT: 9.731 min Scan# 2703
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 43 Resp: 50235

Ion	Ratio	Lower	Upper
43	100		
70	45.1	38.6	58.0
55	26.9	21.9	32.9
61	25.6	21.0	31.4

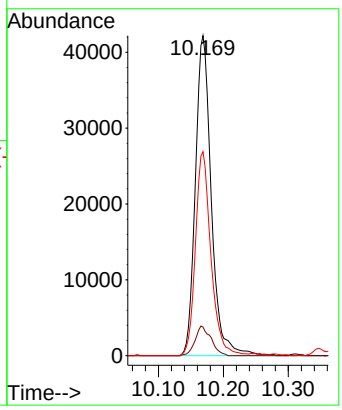




#75
1,1,2,2-Tetrachloroethane
Concen: 5.204 ug/l
RT: 10.169 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 83 Resp: 7216

Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.0	15.0
85	62.0	32.4	97.2



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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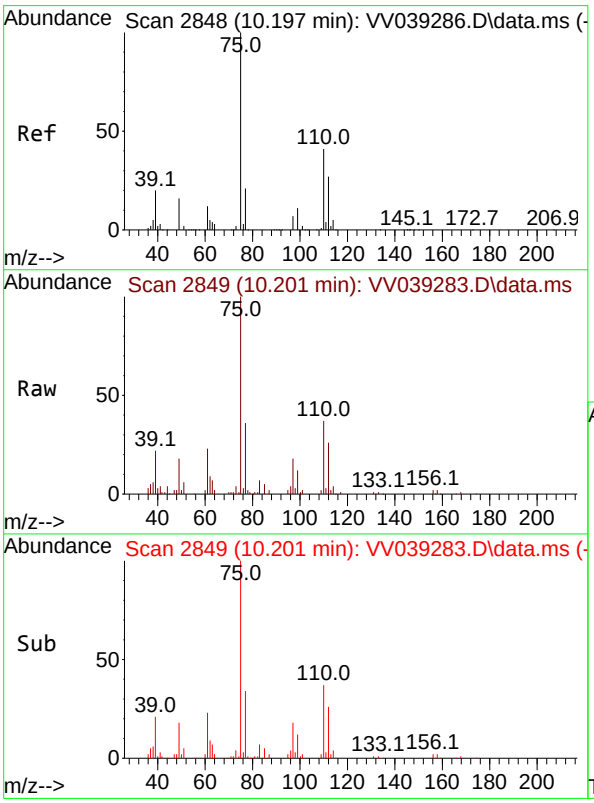
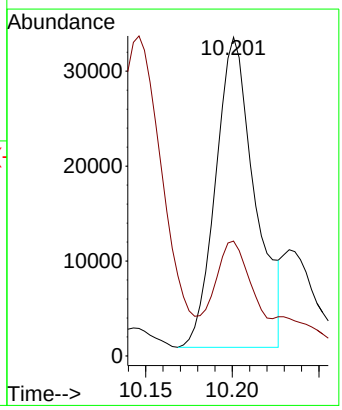
Supervised By :Mahesh Dadoda 10/10/2025

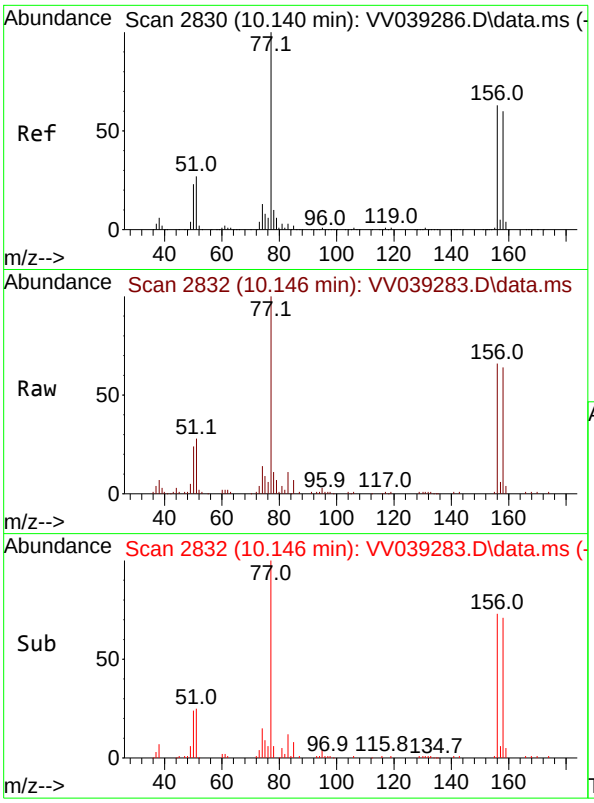


#76
1,2,3-Trichloropropane
Concen: 5.169 ug/l
RT: 10.201 min Scan# 2849
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 75 Resp: 51295

Ion	Ratio	Lower	Upper
75	100		
77	22.1	12.2	36.4





#77
Bromobenzene
Concen: 4.843 ug/l
RT: 10.146 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:156 Resp: 4019

Ion	Ratio	Lower	Upper
156	100		
77	148.2	78.4	235.2
158	97.7	47.7	143.1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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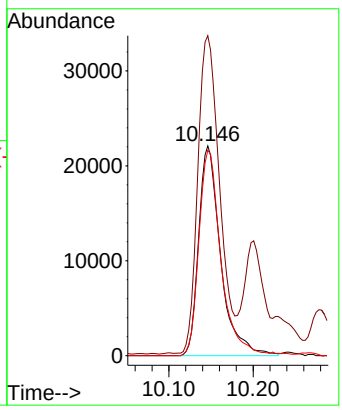
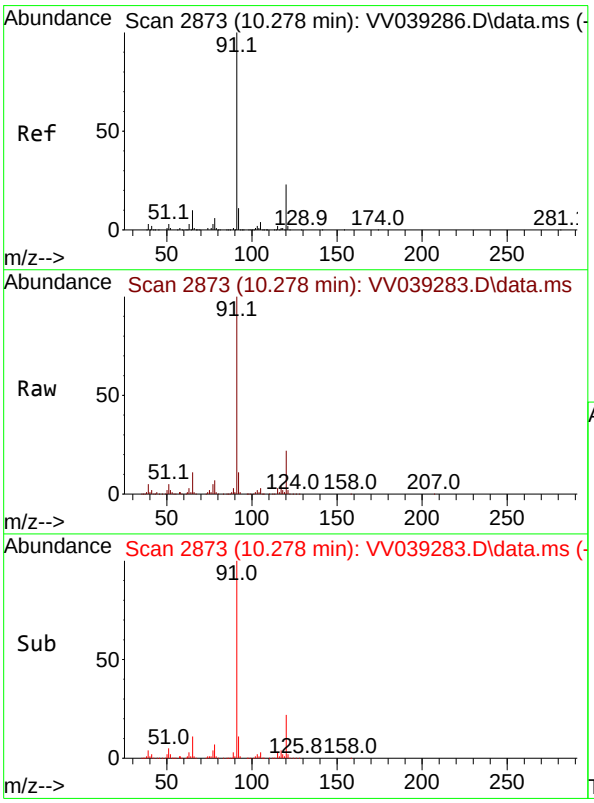
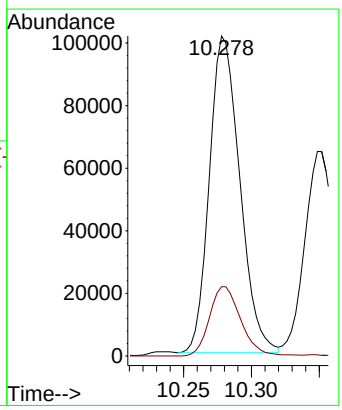


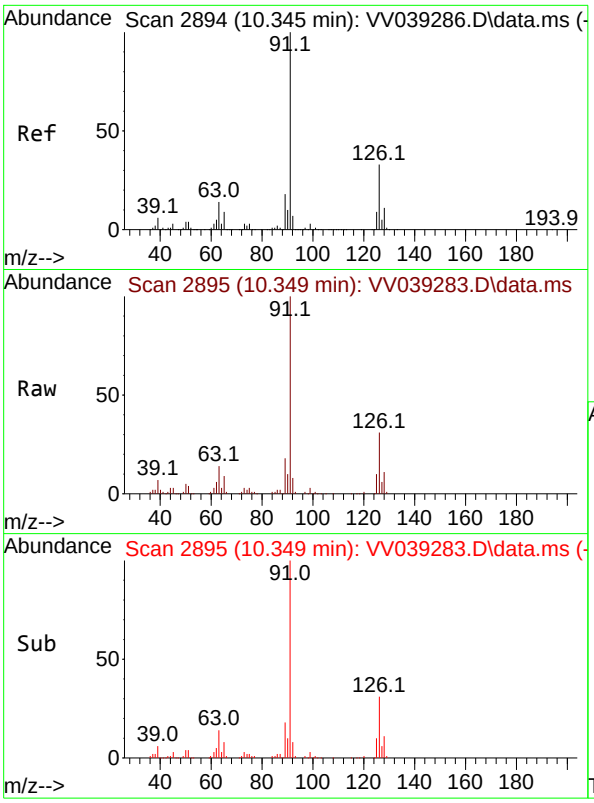


#78
n-propylbenzene
Concen: 4.318 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 91 Resp: 158201

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.5	34.5





#79
2-Chlorotoluene
Concen: 4.694 ug/l
RT: 10.349 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 91 Resp: 10618

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.9	50.6

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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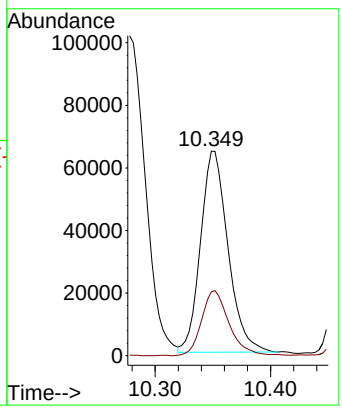
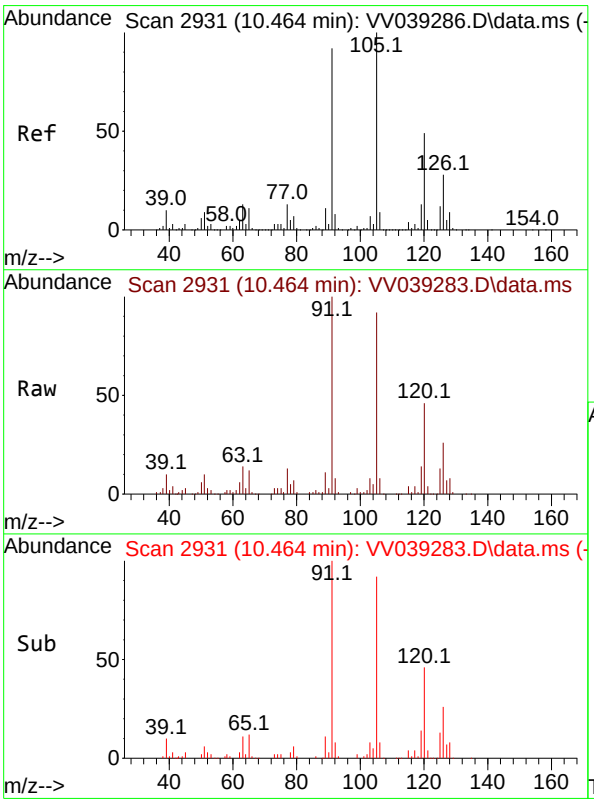
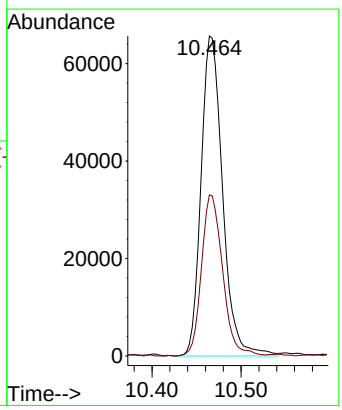


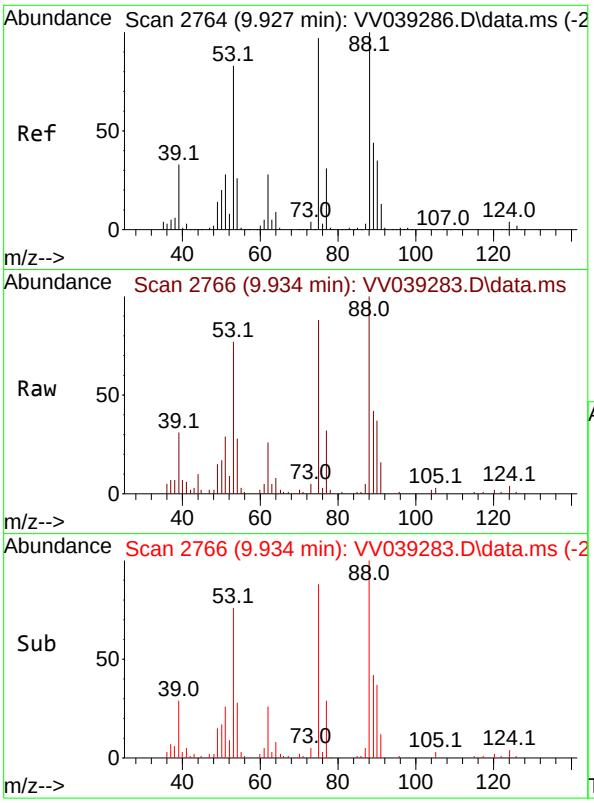


#80
1,3,5-Trimethylbenzene
Concen: 4.353 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:105 Resp: 110241

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 4.359 ug/l
RT: 9.934 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 75 Resp: 1713

Ion	Ratio	Lower	Upper
75	100		
53	94.5	69.9	104.9
89	51.6	37.4	56.0

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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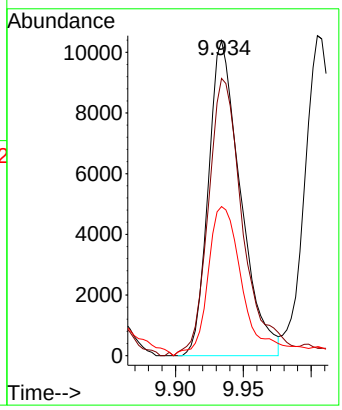
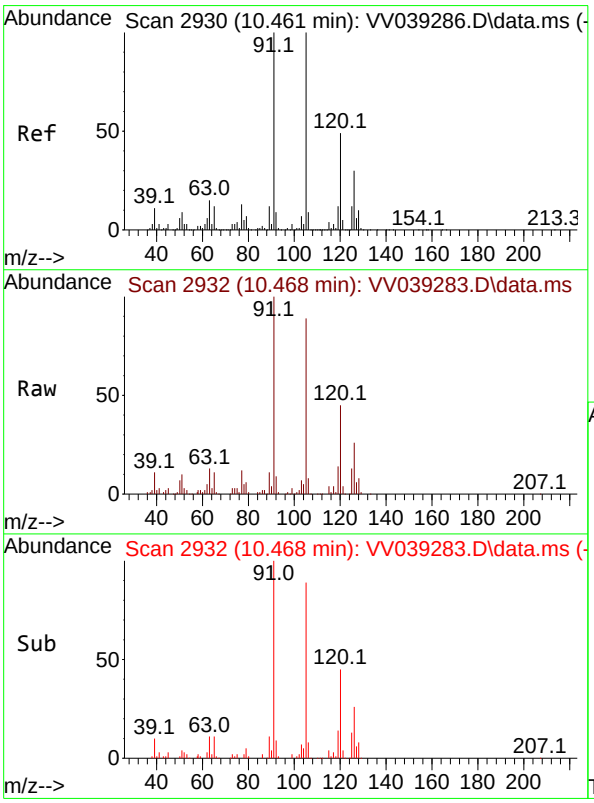
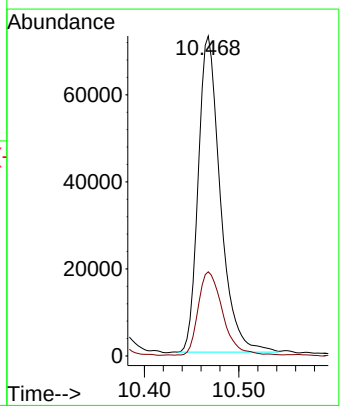


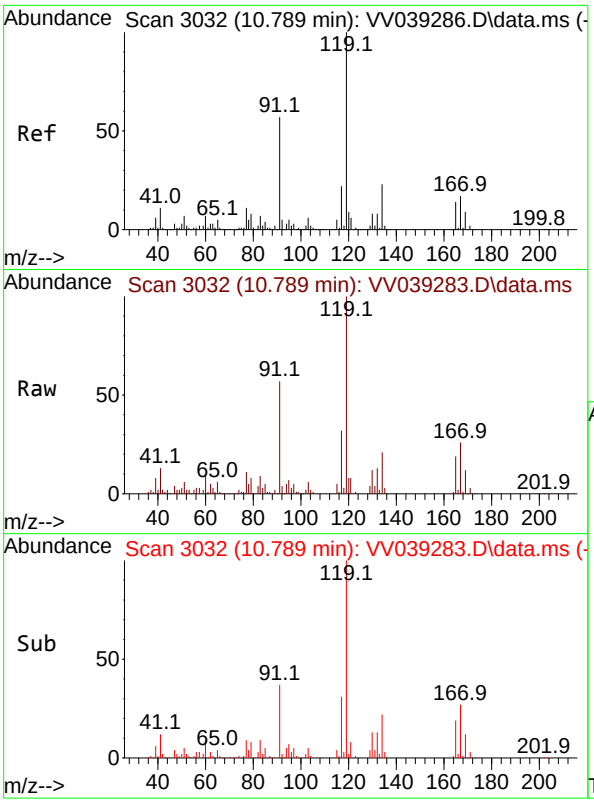


#82
4-Chlorotoluene
Concen: 4.539 ug/l
RT: 10.468 min Scan# 2932
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 91 Resp: 118012

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.8	44.4

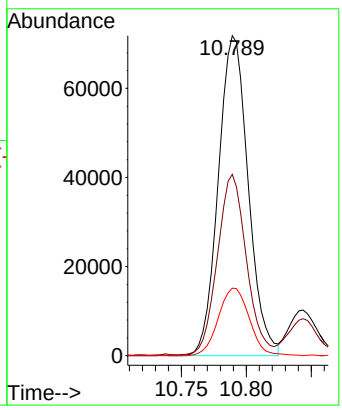




#83
tert-Butylbenzene
Concen: 4.571 ug/l
RT: 10.789 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:119 Resp: 11495

Ion	Ratio	Lower	Upper
119	100		
91	54.4	28.2	84.7
134	21.8	11.5	34.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
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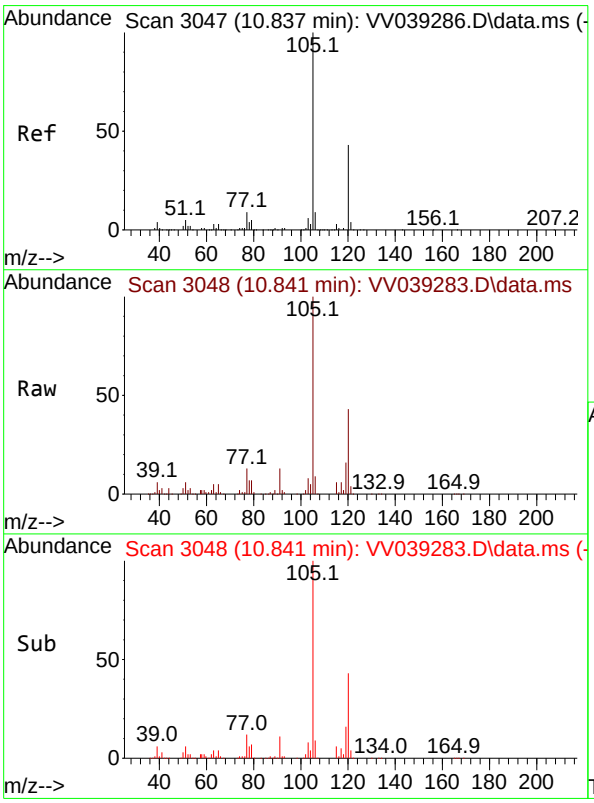
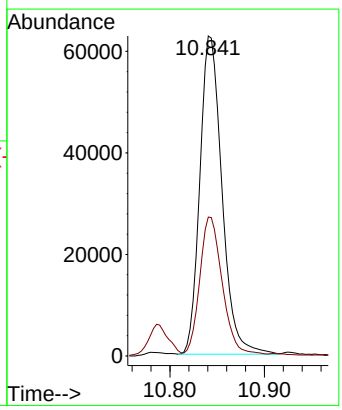
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

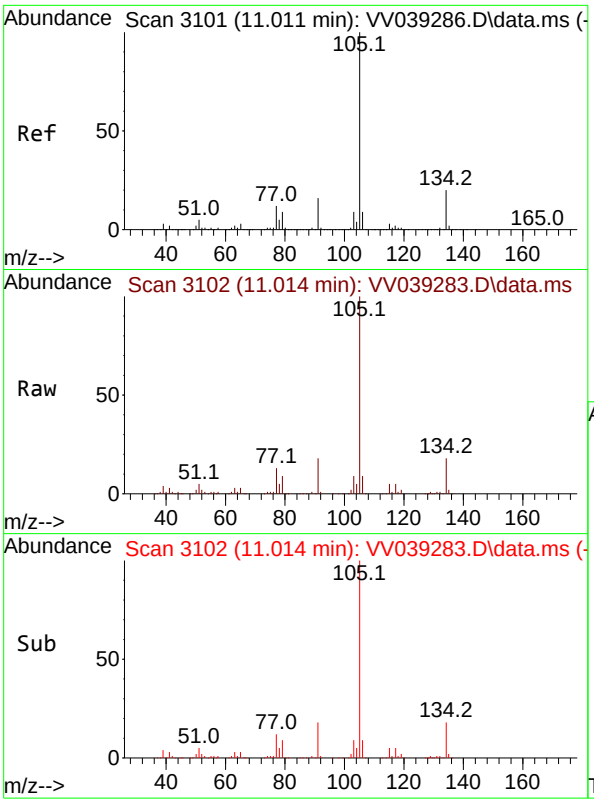


#84
1,2,4-Trimethylbenzene
Concen: 4.093 ug/l
RT: 10.841 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:105 Resp: 102036

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.8	68.4

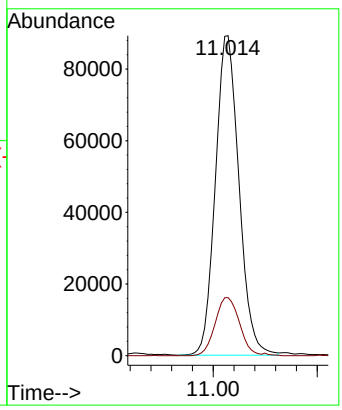




#85
sec-Butylbenzene
Concen: 4.416 ug/l
RT: 11.014 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:105 Resp: 14041

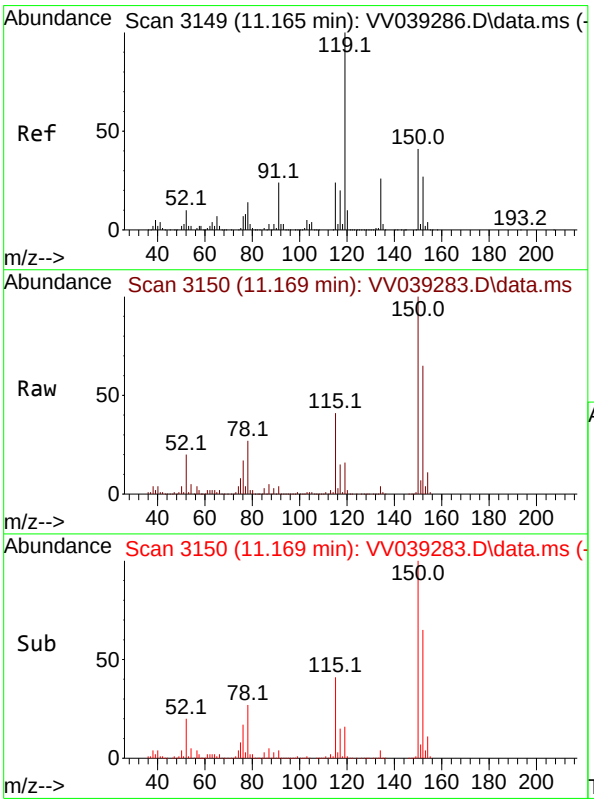
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.5



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

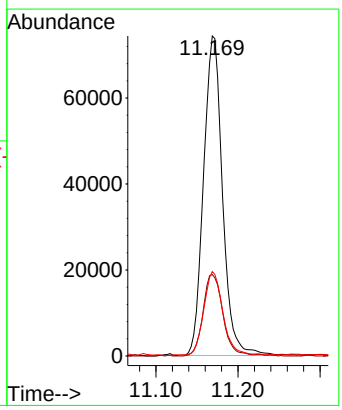
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

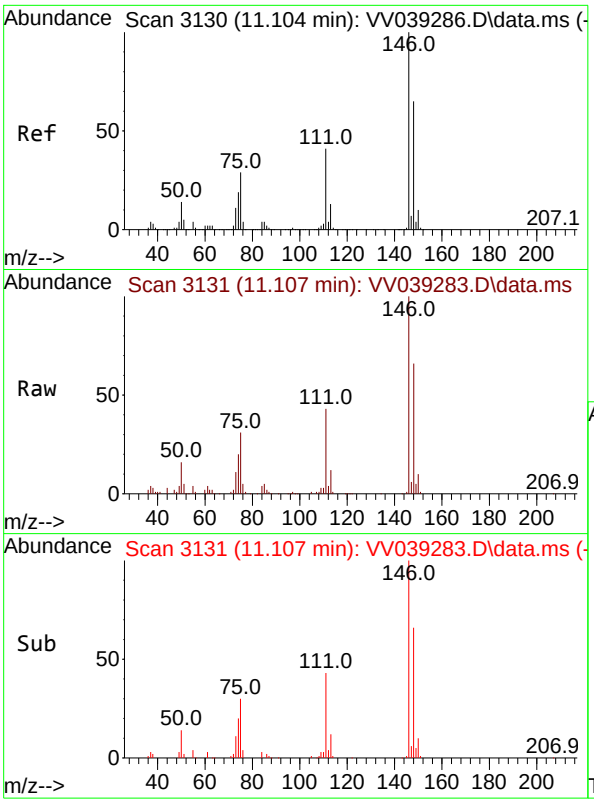


#86
p-Isopropyltoluene
Concen: 4.377 ug/l
RT: 11.169 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:119 Resp: 119647

Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.6
91	26.6	12.2	36.4

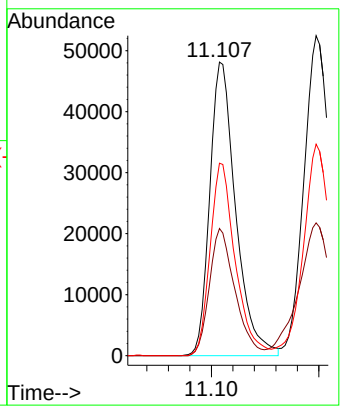




#87
1,3-Dichlorobenzene
Concen: 4.876 ug/l
RT: 11.107 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:146 Resp: 8073

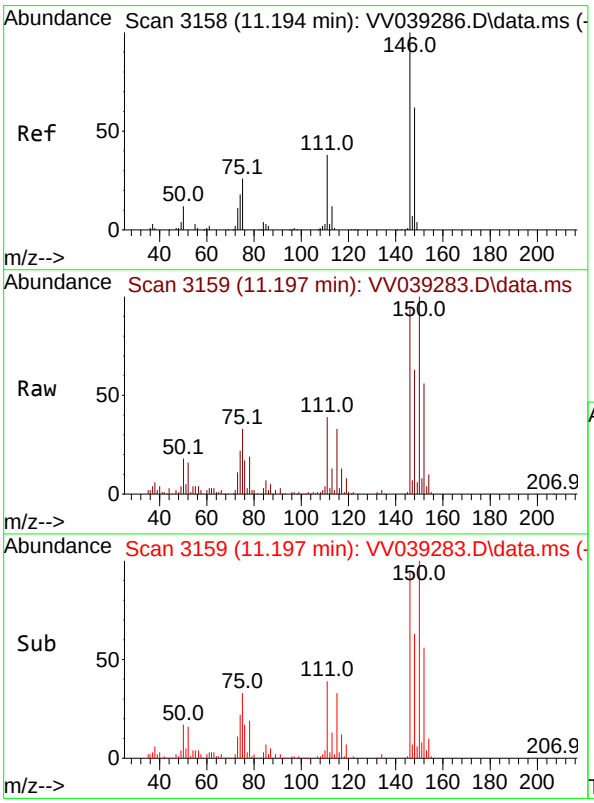
Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.6	61.8
148	63.6	31.9	95.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

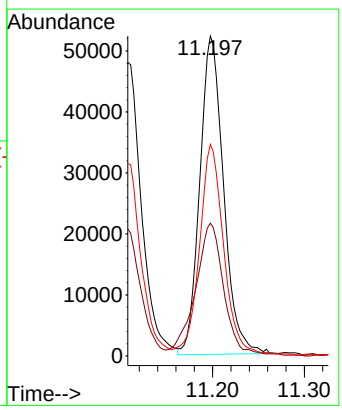
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

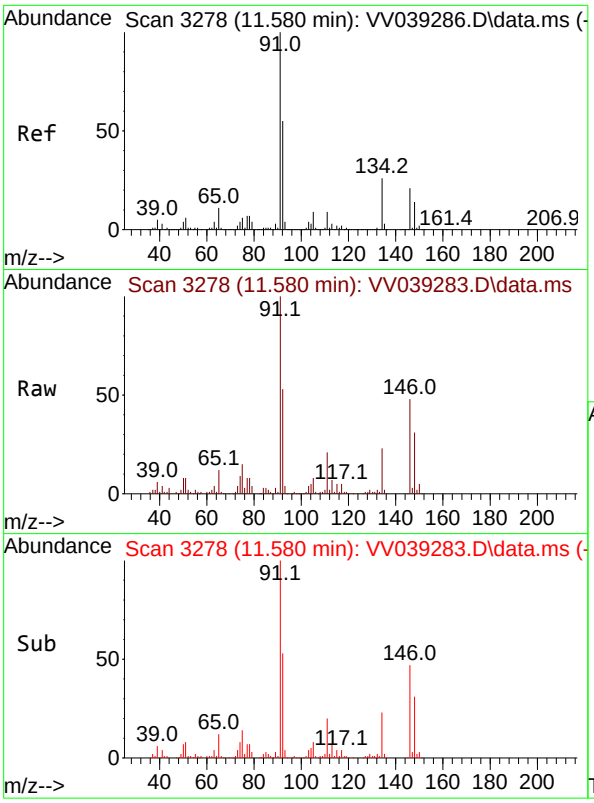


#88
1,4-Dichlorobenzene
Concen: 5.032 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:146 Resp: 93915

Ion	Ratio	Lower	Upper
146	100		
111	48.4	19.7	59.0
148	66.9	31.5	94.5

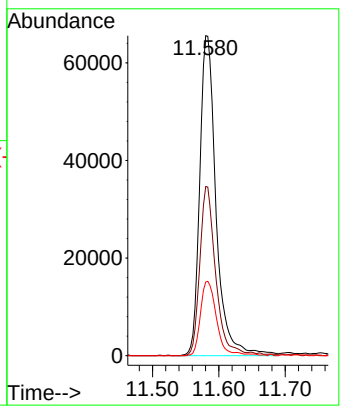




#89
n-Butylbenzene
Concen: 4.421 ug/l
RT: 11.580 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 91 Resp: 11255

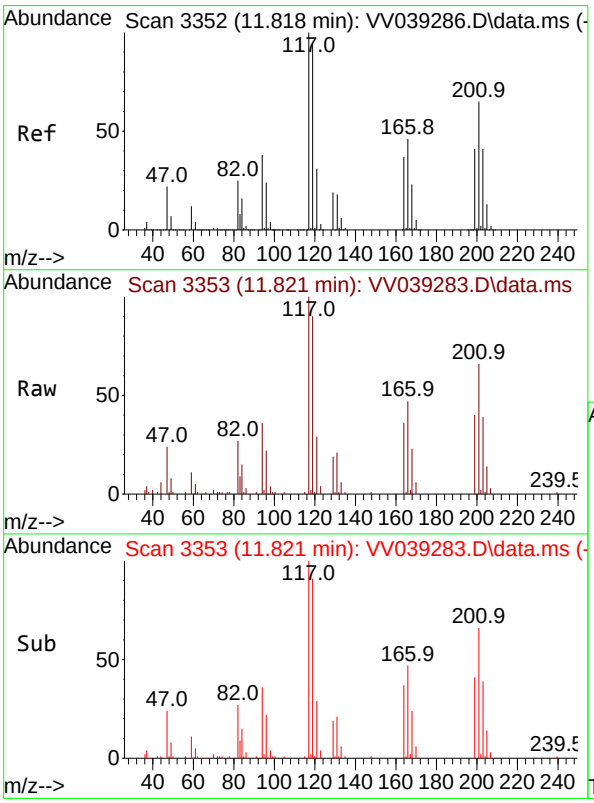
Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.9	80.6
134	22.6	12.6	37.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

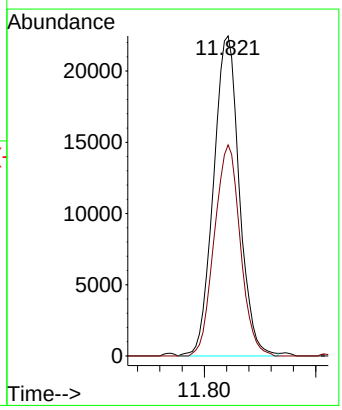
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

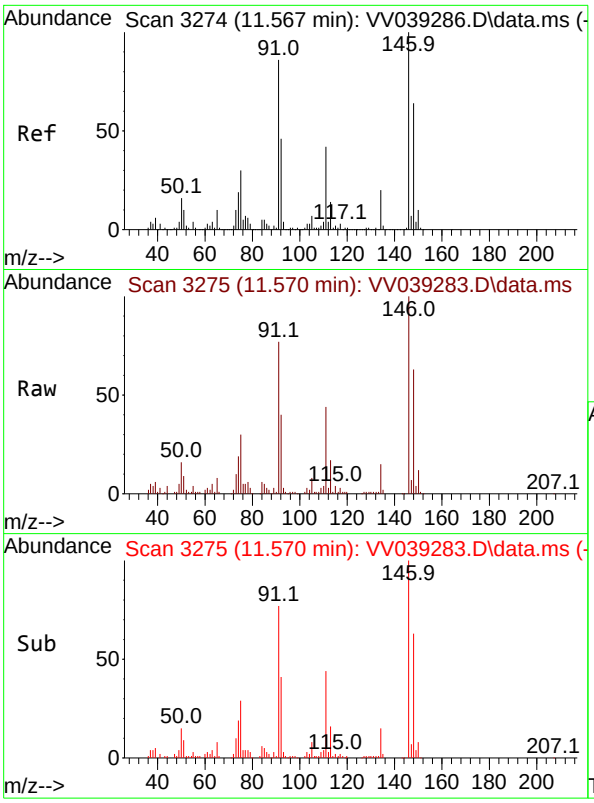


#90
Hexachloroethane
Concen: 5.356 ug/l
RT: 11.821 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:117 Resp: 36205

Ion	Ratio	Lower	Upper
117	100		
201	66.3	33.7	101.1





#91
1,2-Dichlorobenzene
Concen: 4.806 ug/l
RT: 11.570 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

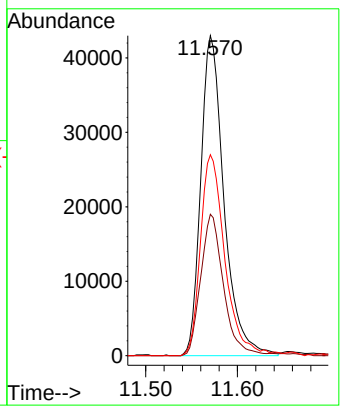
Tgt Ion:146 Resp: 7569

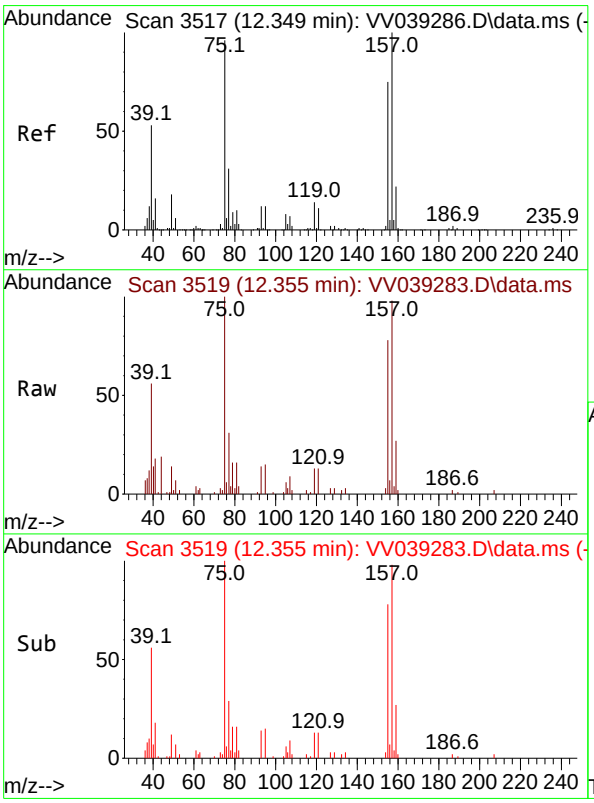
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	64.0
148	66.1	31.9	95.7

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

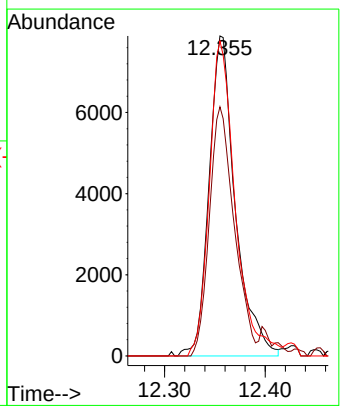


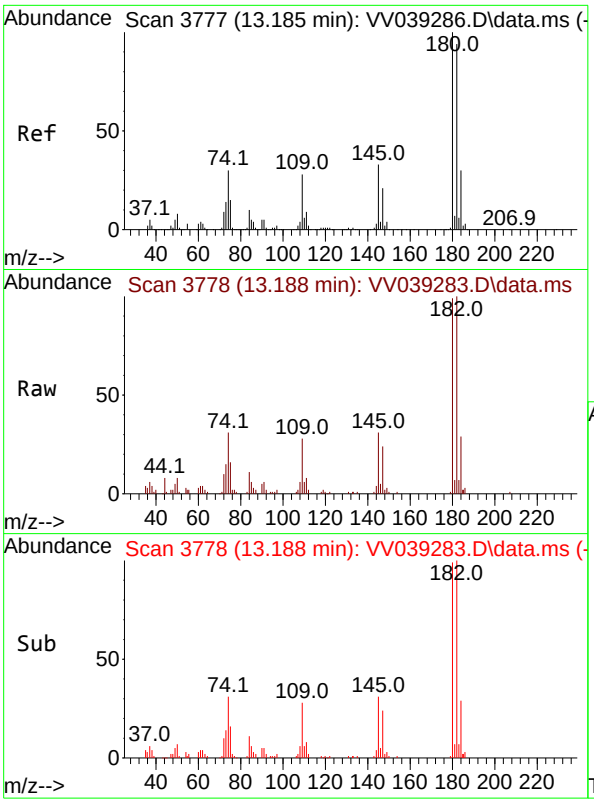


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.011 ug/l
RT: 12.355 min Scan# 3519
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion: 75 Resp: 14288

Ion	Ratio	Lower	Upper
75	100		
155	73.9	40.8	122.5
157	97.4	53.3	160.0

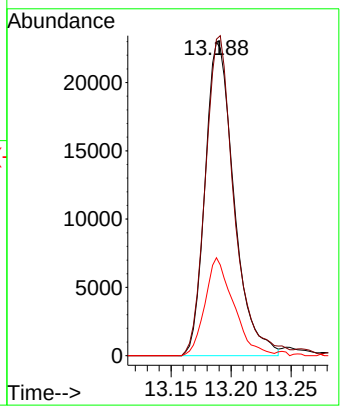




#93
1,2,4-Trichlorobenzene
Concen: 4.381 ug/l
RT: 13.188 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:180 Resp: 3848

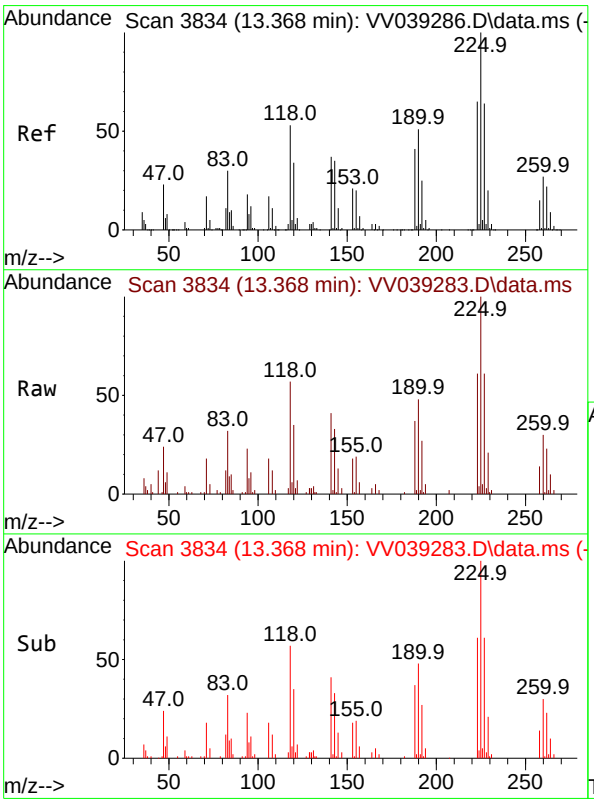
Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.3	141.9
145	30.9	16.3	48.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

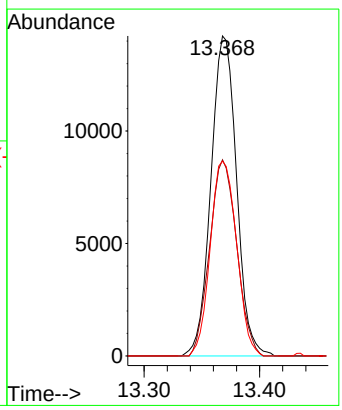
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

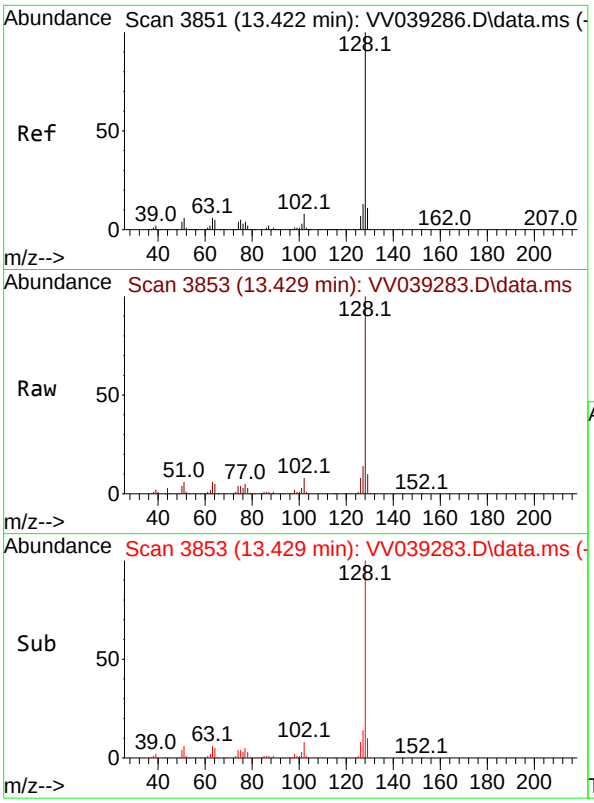


#94
Hexachlorobutadiene
Concen: 4.932 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:225 Resp: 21935

Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.3	93.8
227	62.5	31.7	95.1

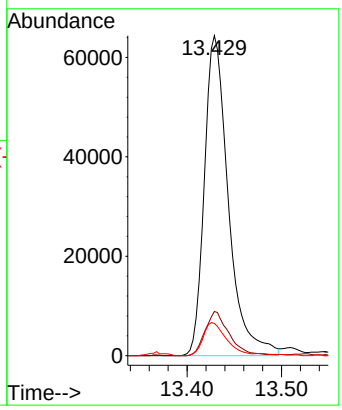




#95
Naphthalene
Concen: 3.951 ug/l
RT: 13.429 min Scan# 3
Delta R.T. 0.006 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:128 Resp: 11370

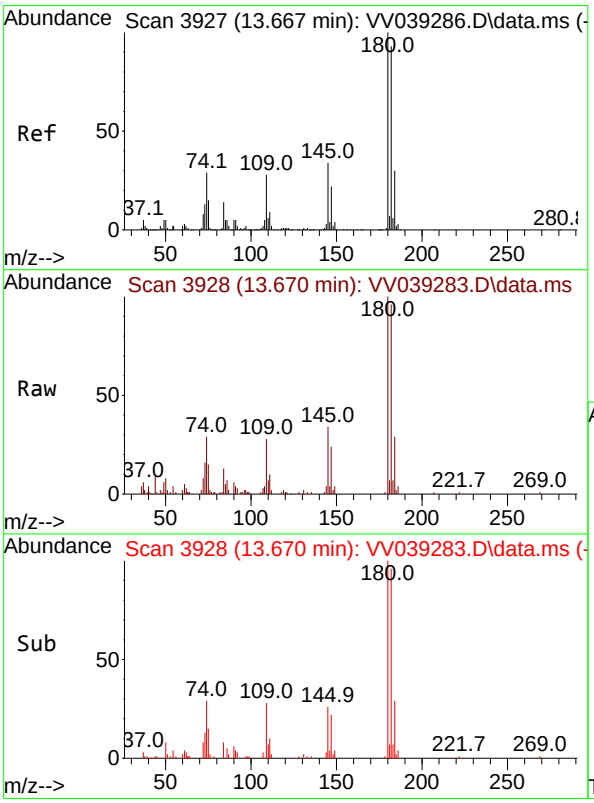
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	10.0	8.6	12.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

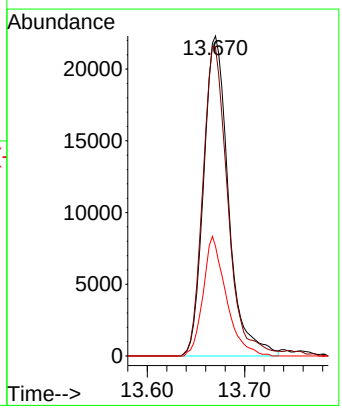
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.315 ug/l
RT: 13.670 min Scan# 3928
Delta R.T. 0.003 min
Lab File: VV039283.D
Acq: 07 Oct 2025 10:03

Tgt Ion:180 Resp: 39397

Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.7	140.1
145	34.7	17.2	51.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039284.D
Acq On : 07 Oct 2025 10:25
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Oct 08 04:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.600	168	668855	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	5.532	114	1059714	50.000	ug/l		0.00
63) Chlorobenzene-d5	8.776	117	1034430	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	576425	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	4.947	65	101485	10.678	ug/l		0.00
Spiked Amount 50.000	Range 81 - 118			Recovery = 21.360%#			
35) Dibromofluoromethane	4.506	113	86371	10.344	ug/l		0.00
Spiked Amount 50.000	Range 80 - 119			Recovery = 20.680%#			
50) Toluene-d8	7.239	98	295414	10.400	ug/l		0.00
Spiked Amount 50.000	Range 89 - 112			Recovery = 20.800%#			
62) 4-Bromofluorobenzene	10.005	95	100349	9.919	ug/l		0.00
Spiked Amount 50.000	Range 85 - 114			Recovery = 19.840%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	99022	11.713	ug/l		96
3) Chloromethane	1.230	50	100818	11.455	ug/l		97
4) Vinyl Chloride	1.298	62	110654	11.020	ug/l		99
5) Bromomethane	1.500	94	77797	11.941	ug/l		96
6) Chloroethane	1.561	64	69485	10.769	ug/l		99
7) Trichlorofluoromethane	1.728	101	168235	10.967	ug/l		100
8) Diethyl Ether	1.921	74	58806	10.609	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.082	101	100874	10.982	ug/l		99
10) Methyl Iodide	2.198	142	75300	9.515	ug/l		100
11) Tert butyl alcohol	2.571	59	104908	56.958	ug/l		99
12) 1,1-Dichloroethene	2.082	96	95079	10.542	ug/l		96
13) Acrolein	2.011	56	55414	46.375	ug/l		94
14) Allyl chloride	2.359	41	151839	10.621	ug/l		100
15) Acrylonitrile	2.677	53	290244	53.138	ug/l		100
16) Acetone	2.121	43	280746	55.567	ug/l		97
17) Carbon Disulfide	2.252	76	271095	10.642	ug/l		100
18) Methyl Acetate	2.381	43	139718	11.345	ug/l		97
19) Methyl tert-butyl Ether	2.716	73	290036	10.685	ug/l		99
20) Methylene Chloride	2.458	84	106777	10.928	ug/l		97
21) trans-1,2-Dichloroethene	2.703	96	100933	10.629	ug/l		94
22) Diisopropyl ether	3.220	45	281152	10.953	ug/l		92
23) Vinyl Acetate	3.191	43	1212165	53.792	ug/l		99
24) 1,1-Dichloroethane	3.117	63	184286	10.717	ug/l		99
25) 2-Butanone	3.876	43	312212	53.871	ug/l		98
26) 2,2-Dichloropropane	3.812	77	147629	10.659	ug/l		99
27) cis-1,2-Dichloroethene	3.825	96	98093	10.317	ug/l		97
28) Bromochloromethane	4.153	49	75953	10.107	ug/l		99
29) Tetrahydrofuran	4.243	42	194816	52.437	ug/l		98
30) Chloroform	4.278	83	188539	10.751	ug/l		97
31) Cyclohexane	4.584	56	134301	10.722	ug/l	#	94
32) 1,1,1-Trichloroethane	4.516	97	165036	10.764	ug/l		99
36) 1,1-Dichloropropene	4.748	75	108748	10.369	ug/l		98
37) Ethyl Acetate	3.986	43	129928	10.617	ug/l	#	79
38) Carbon Tetrachloride	4.735	117	141348	10.633	ug/l		99
39) Methylcyclohexane	6.047	83	119660	9.983	ug/l		94
40) Benzene	5.011	78	366088	10.879	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039284.D
Acq On : 07 Oct 2025 10:25
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Oct 08 04:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.166	41	46557	10.257	ug/l		93
42) 1,2-Dichloroethane	5.047	62	127973	10.835	ug/l		99
43) Isopropyl Acetate	5.201	43	176213	10.537	ug/l		96
44) Trichloroethene	5.834	130	90047	10.641	ug/l		98
45) 1,2-Dichloropropane	6.092	63	88868	10.852	ug/l		95
46) Dibromomethane	6.230	93	73826	10.786	ug/l		98
47) Bromodichloromethane	6.429	83	145721	10.805	ug/l		96
48) Methyl methacrylate	6.307	41	68523	9.202	ug/l		96
49) 1,4-Dioxane	6.297	88	27138	219.073	ug/l		91
51) 4-Methyl-2-Pentanone	7.153	43	633258	56.786	ug/l		98
52) Toluene	7.310	92	226876	11.166	ug/l		100
53) t-1,3-Dichloropropene	7.580	75	127407	10.810	ug/l		98
54) cis-1,3-Dichloropropene	6.953	75	142163	10.849	ug/l		98
55) 1,1,2-Trichloroethane	7.764	97	99879	10.886	ug/l		99
56) Ethyl methacrylate	7.719	69	103595	10.113	ug/l		98
57) 1,3-Dichloropropane	7.937	76	153896	11.115	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.815	63	245944	46.122	ug/l		100
59) 2-Hexanone	8.066	43	452813	55.309	ug/l		94
60) Dibromochloromethane	8.169	129	116696	10.878	ug/l		99
61) 1,2-Dibromoethane	8.278	107	107473	11.250	ug/l		98
64) Tetrachloroethene	7.899	164	78107	10.351	ug/l		91
65) Chlorobenzene	8.805	112	264008	10.781	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.899	131	99081	10.802	ug/l		99
67) Ethyl Benzene	8.937	91	372030	10.314	ug/l		99
68) m/p-Xylenes	9.063	106	309238	21.615	ug/l		97
69) o-Xylene	9.471	106	127839	10.118	ug/l		96
70) Styrene	9.487	104	231149	10.282	ug/l		98
71) Bromoform	9.657	173	77970	10.511	ug/l	#	99
73) Isopropylbenzene	9.857	105	359579	10.273	ug/l		99
74) N-amyl acetate	9.728	43	137734	9.479	ug/l		96
75) 1,1,2,2-Tetrachloroethane	10.165	83	166524	10.359	ug/l		99
76) 1,2,3-Trichloropropane	10.198	75	119595	10.395	ug/l		93
77) Bromobenzene	10.143	156	103385	10.744	ug/l		98
78) n-propylbenzene	10.278	91	439318	10.344	ug/l		99
79) 2-Chlorotoluene	10.349	91	283648	10.817	ug/l		100
80) 1,3,5-Trimethylbenzene	10.468	105	310730	10.584	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.931	75	47784	10.489	ug/l		97
82) 4-Chlorotoluene	10.464	91	331140	10.987	ug/l		99
83) tert-Butylbenzene	10.789	119	291566	10.002	ug/l		99
84) 1,2,4-Trimethylbenzene	10.841	105	294286	10.183	ug/l		99
85) sec-Butylbenzene	11.011	105	378164	10.260	ug/l		100
86) p-Isopropyltoluene	11.169	119	329566	10.400	ug/l		98
87) 1,3-Dichlorobenzene	11.107	146	209425	10.912	ug/l		98
88) 1,4-Dichlorobenzene	11.197	146	226149	10.453	ug/l		95
89) n-Butylbenzene	11.580	91	296155	10.036	ug/l		97
90) Hexachloroethane	11.821	117	82020	10.467	ug/l		98
91) 1,2-Dichlorobenzene	11.567	146	190419	10.430	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	33178	10.038	ug/l		96
93) 1,2,4-Trichlorobenzene	13.188	180	101434	9.961	ug/l		98
94) Hexachlorobutadiene	13.368	225	53255	10.328	ug/l		99
95) Naphthalene	13.426	128	306685	9.193	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	107157	10.125	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039284.D
Acq On : 07 Oct 2025 10:25
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Oct 08 04:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

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

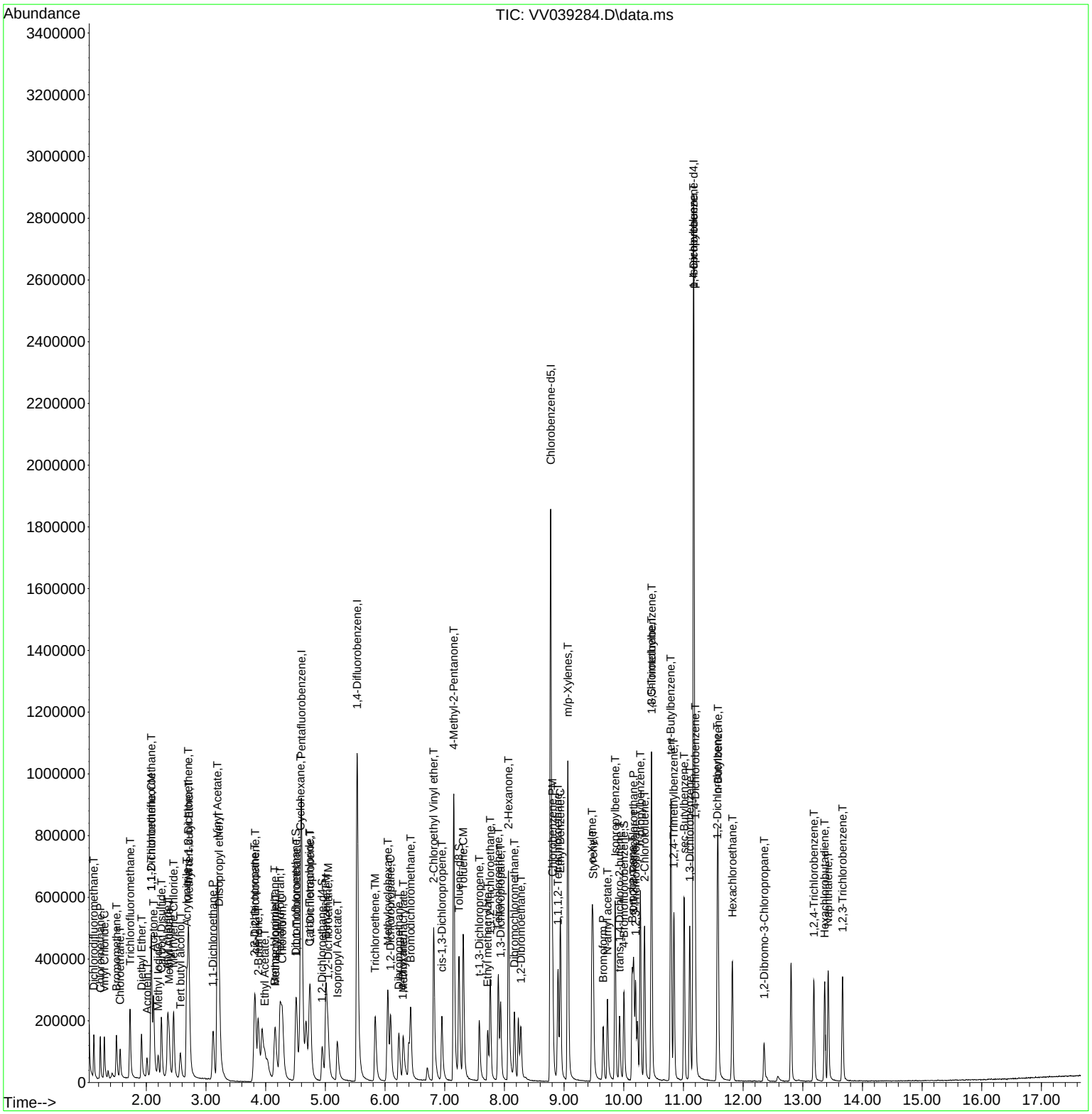
(#) = qualifier out of range (m) = manual integration (+) = signals summed

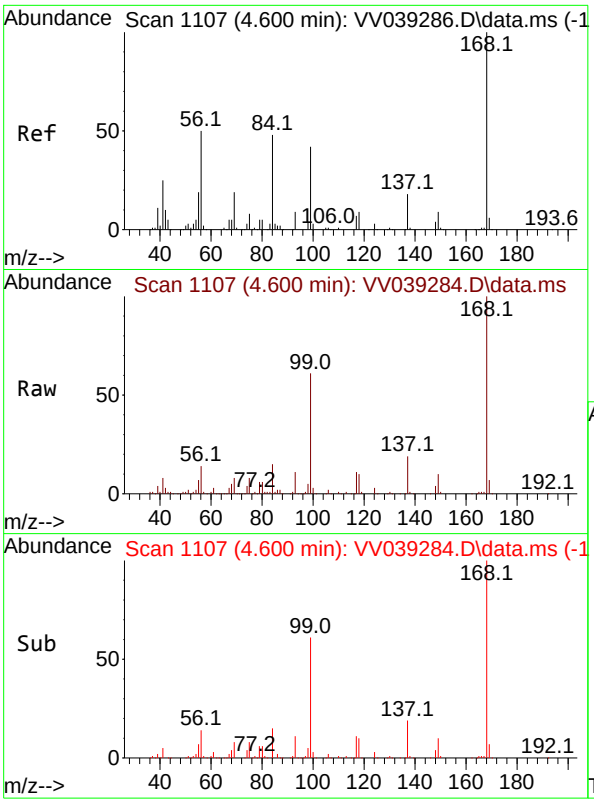
ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039284.D
Acq On : 07 Oct 2025 10:25
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Oct 08 04:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration



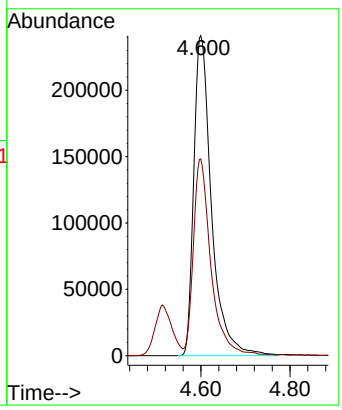


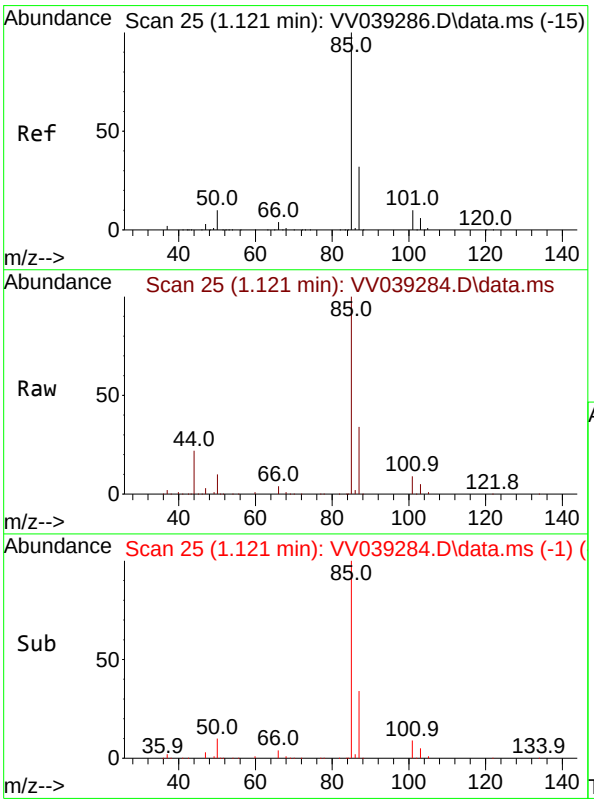
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 668855

Ion	Ratio	Lower	Upper
168	100		
99	61.2	46.6	70.0

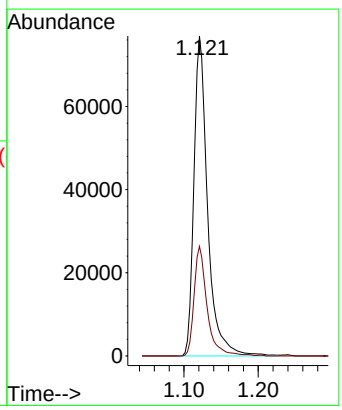


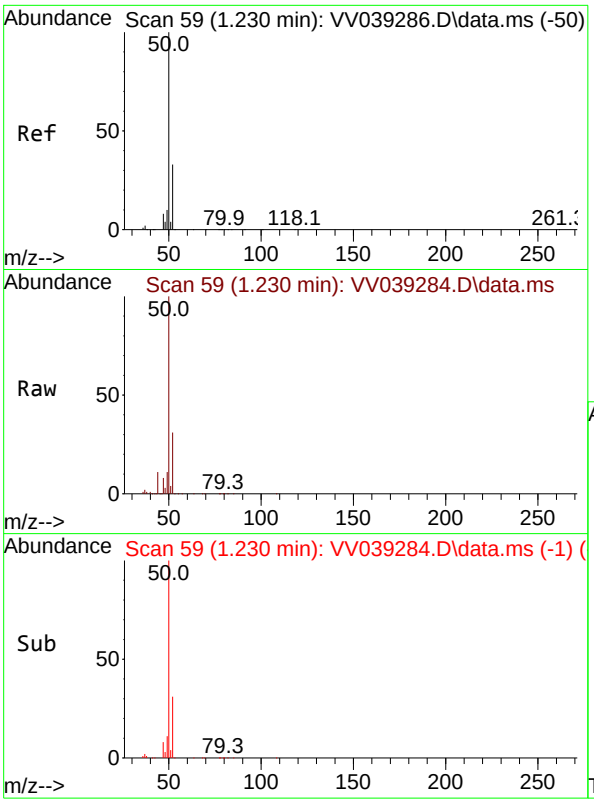


#2
Dichlorodifluoromethane
Concen: 11.713 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 85 Resp: 99022

Ion	Ratio	Lower	Upper
85	100		
87	34.3	16.1	48.2



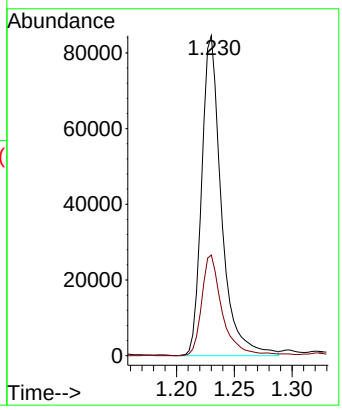


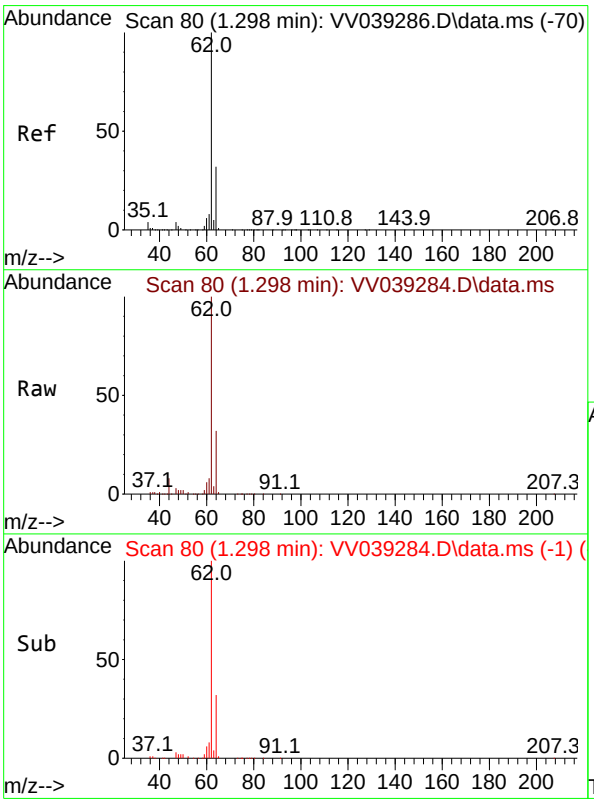
#3
Chloromethane
Concen: 11.455 ug/l
RT: 1.230 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 100818

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.6	39.8

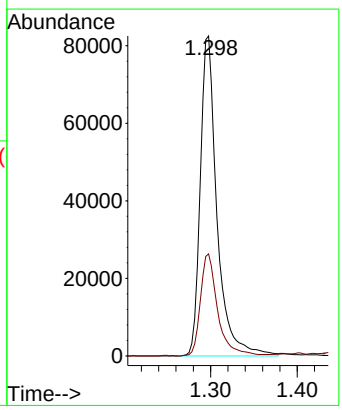


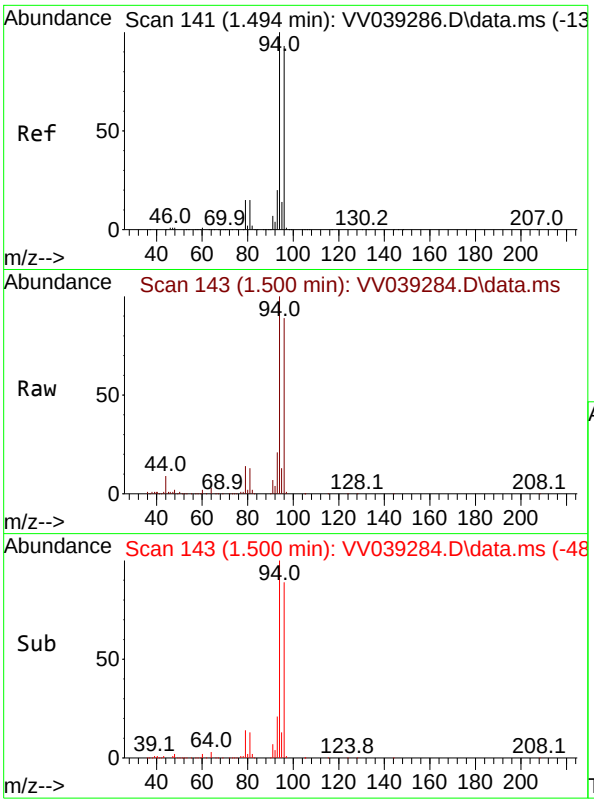


#4
Vinyl Chloride
Concen: 11.020 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 62 Resp: 110654

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.8	38.6



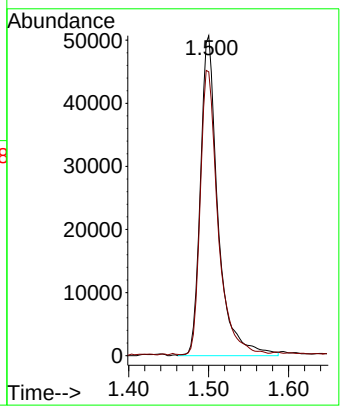


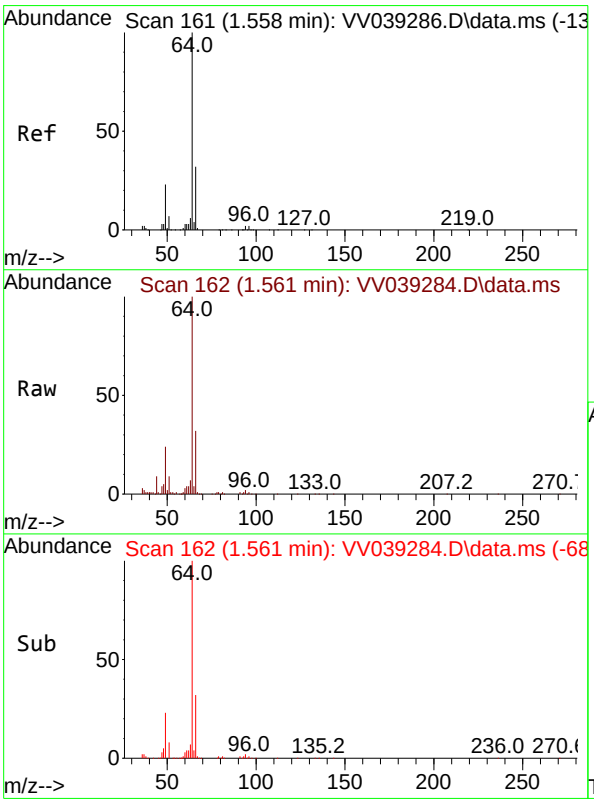
#5
Bromomethane
Concen: 11.941 ug/l
RT: 1.500 min Scan# 14
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 77797

Ion	Ratio	Lower	Upper
94	100		
96	88.5	74.2	111.2

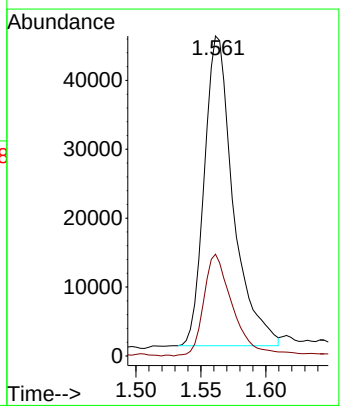


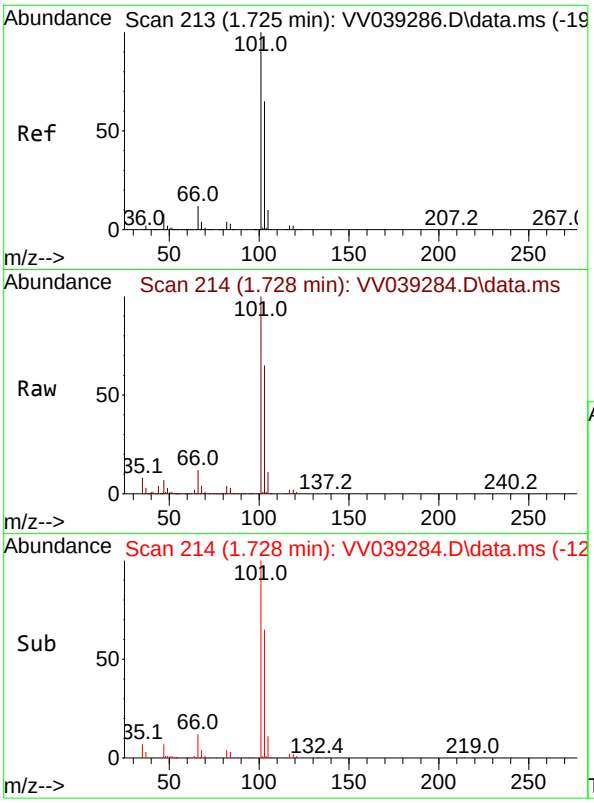


#6
Chloroethane
Concen: 10.769 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 64 Resp: 69485

Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.7	38.5



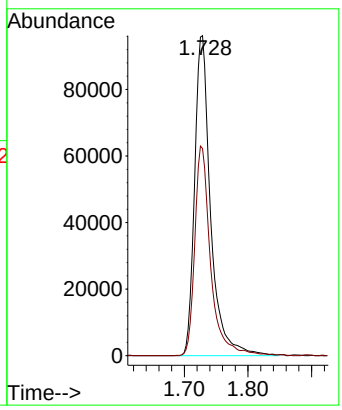


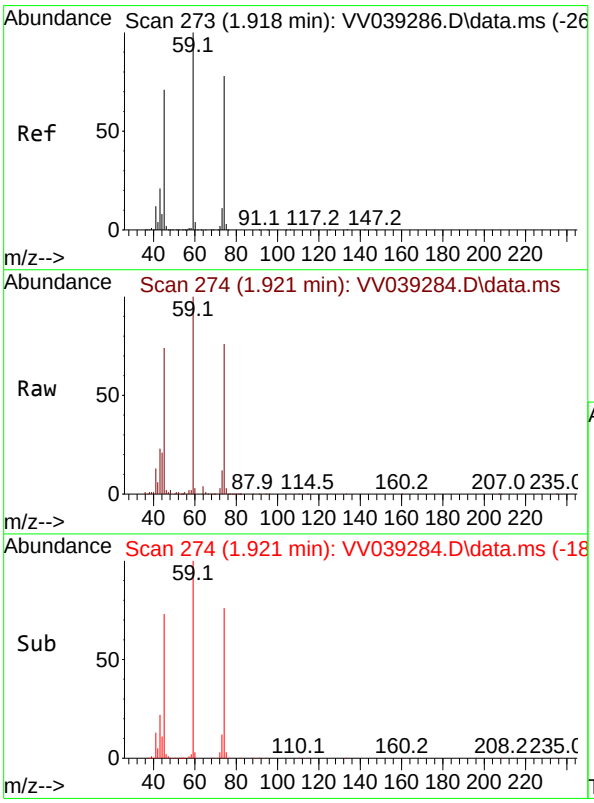
#7
Trichlorofluoromethane
Concen: 10.967 ug/l
RT: 1.728 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 168235

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.0	78.0

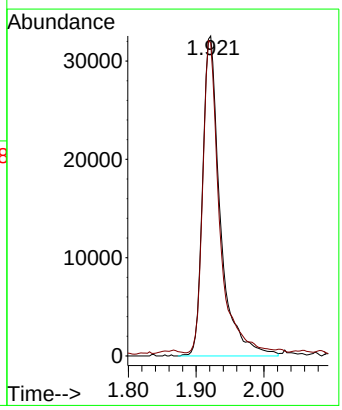


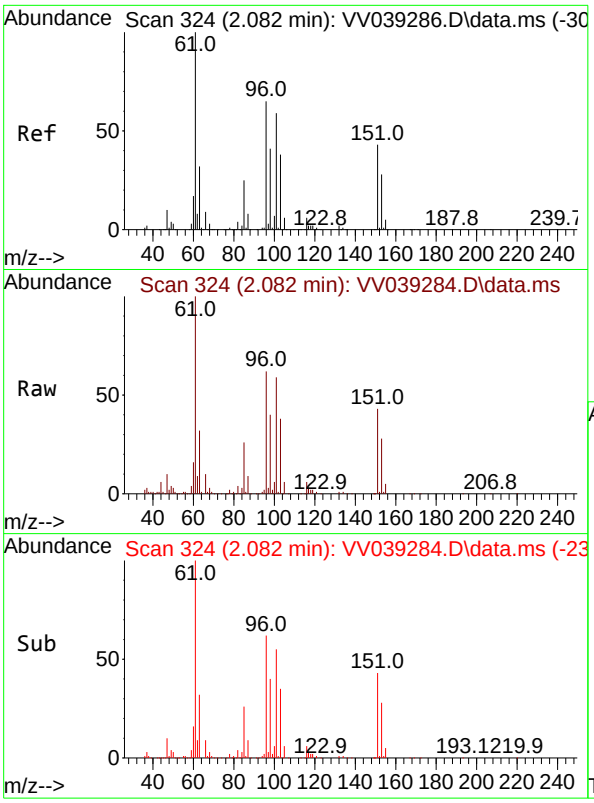


#8
Diethyl Ether
Concen: 10.609 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 74 Resp: 58806

Ion	Ratio	Lower	Upper
74	100		
45	92.4	45.9	137.7



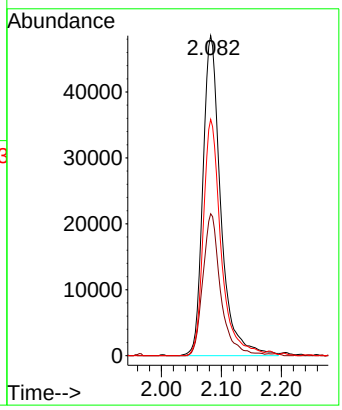


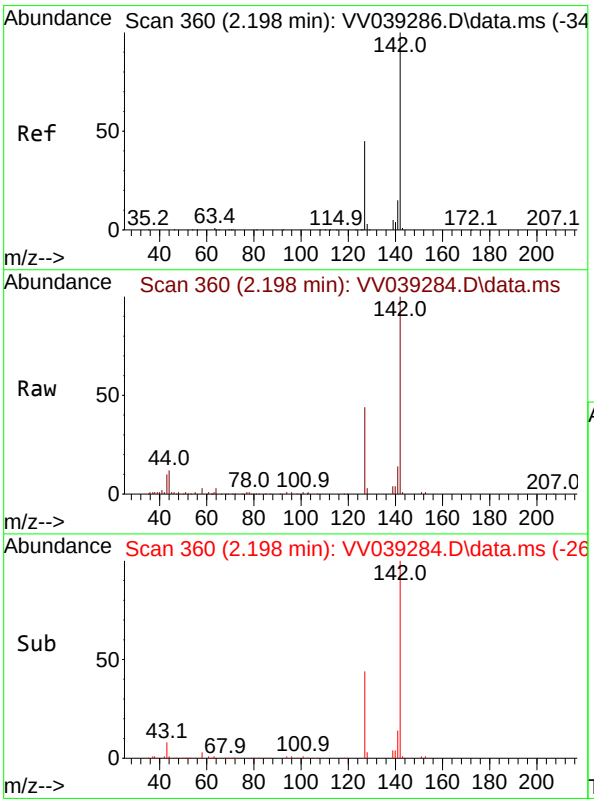
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.982 ug/l
RT: 2.082 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 100874

Ion	Ratio	Lower	Upper
101	100		
85	43.9	34.0	51.0
151	73.0	58.5	87.7

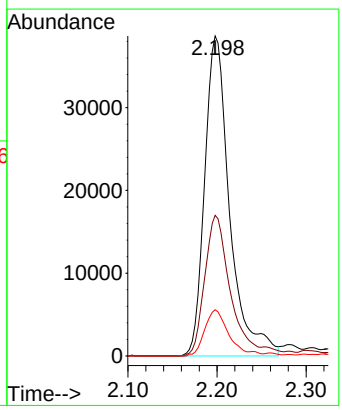


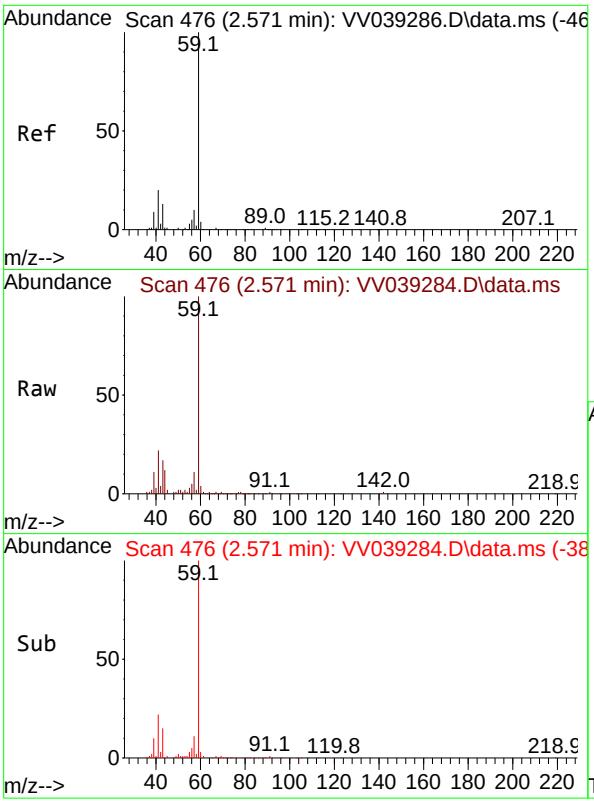


#10
Methyl Iodide
Concen: 9.515 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:142 Resp: 75300

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.5	53.3
141	14.0	11.5	17.3



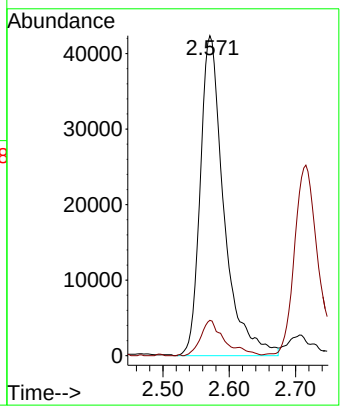


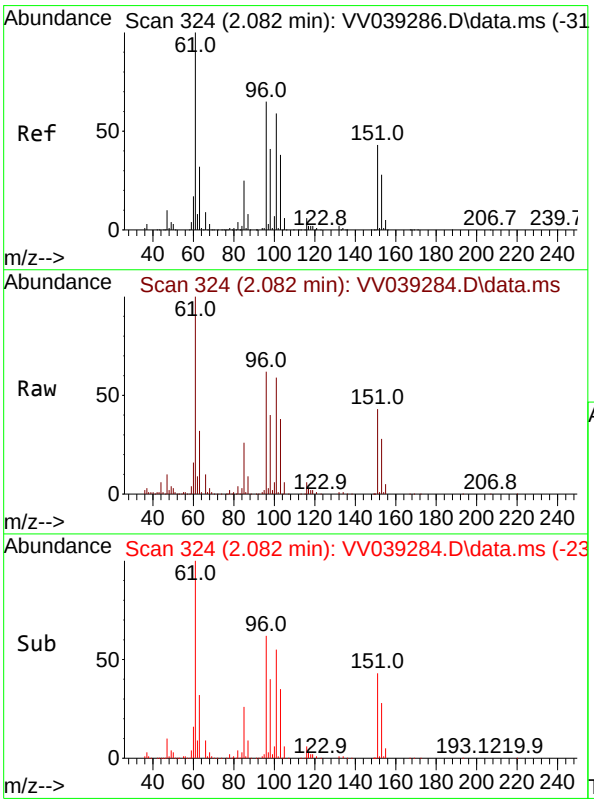
#11
Tert butyl alcohol
Concen: 56.958 ug/l
RT: 2.571 min Scan# 4
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 104908

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

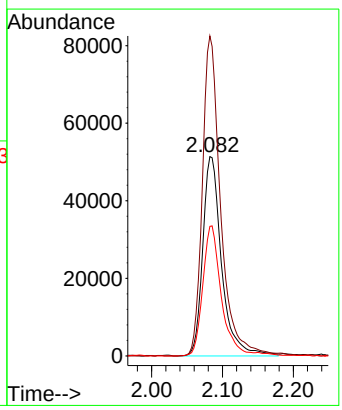


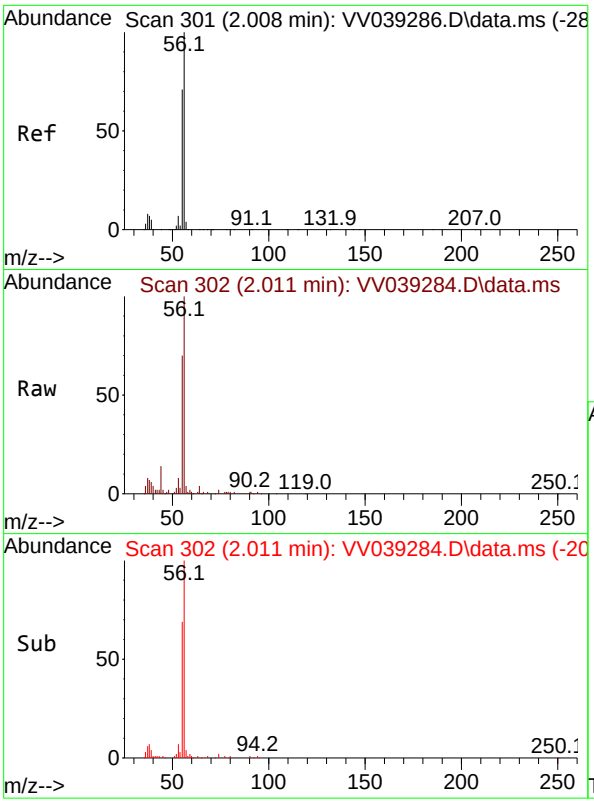


#12
1,1-Dichloroethene
Concen: 10.542 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 96 Resp: 95079

Ion	Ratio	Lower	Upper
96	100		
61	160.4	123.6	185.4
98	65.0	51.1	76.7



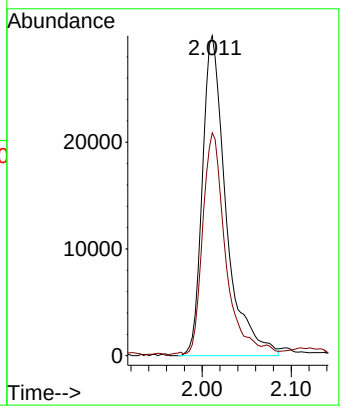


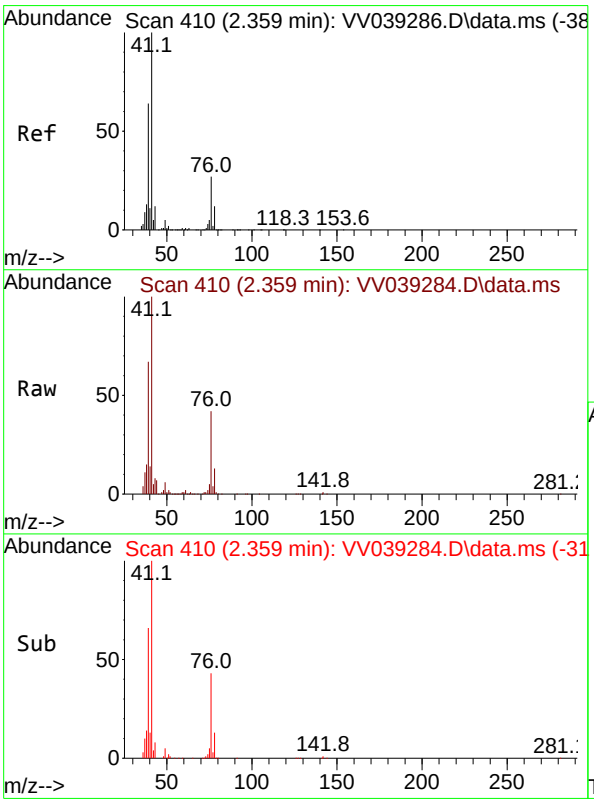
#13
Acrolein
Concen: 46.375 ug/l
RT: 2.011 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 55414

Ion	Ratio	Lower	Upper
56	100		
55	65.1	56.2	84.4

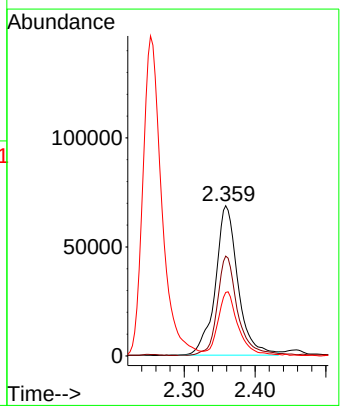


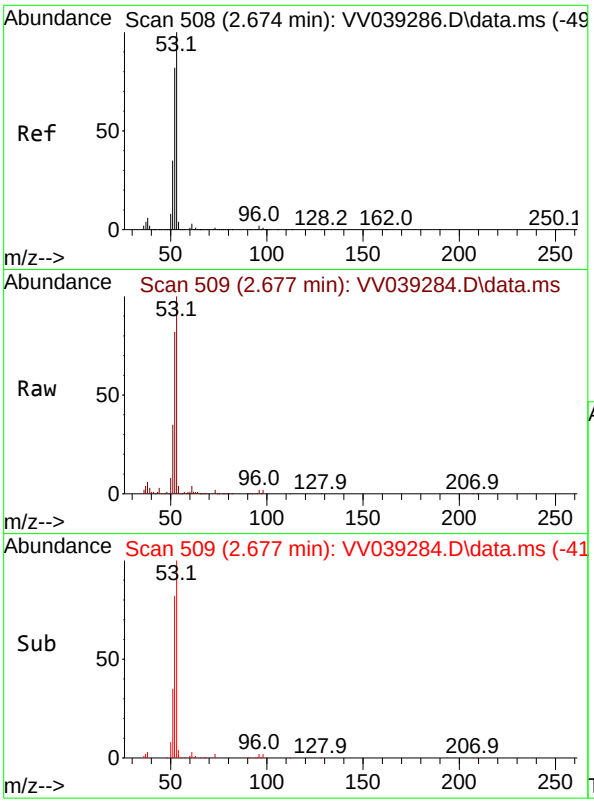


#14
Allyl chloride
Concen: 10.621 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 41 Resp: 151839

Ion	Ratio	Lower	Upper
41	100		
39	60.0	47.8	71.6
76	37.4	30.2	45.2



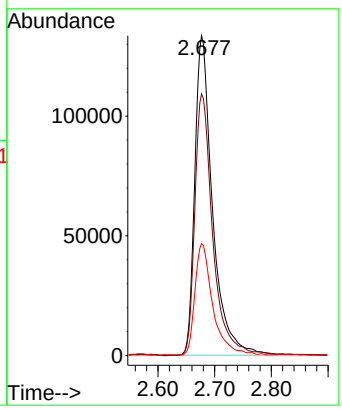


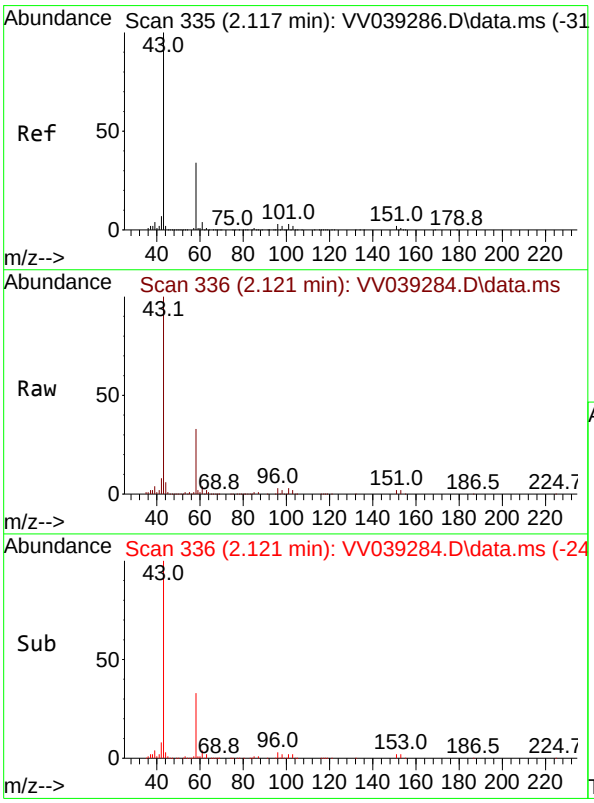
#15
Acrylonitrile
Concen: 53.138 ug/l
RT: 2.677 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 290244

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.0	97.6
51	35.1	27.9	41.9

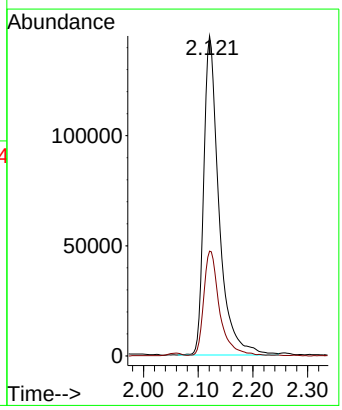


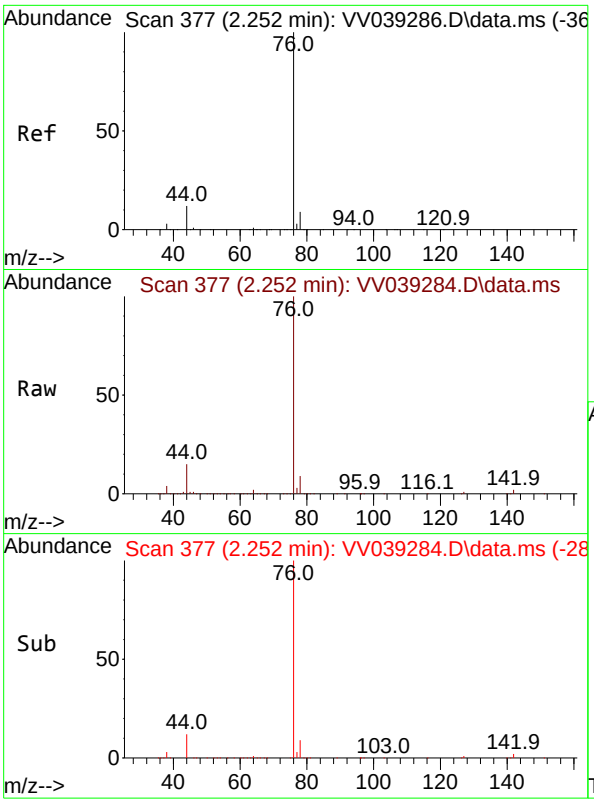


#16
Acetone
Concen: 55.567 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 43 Resp: 280746

Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.5	41.3



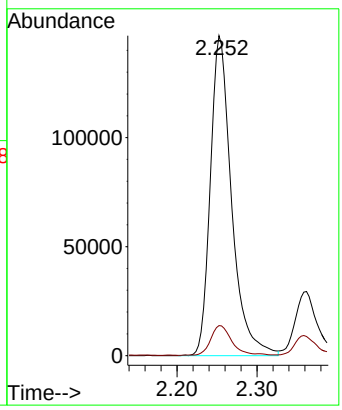


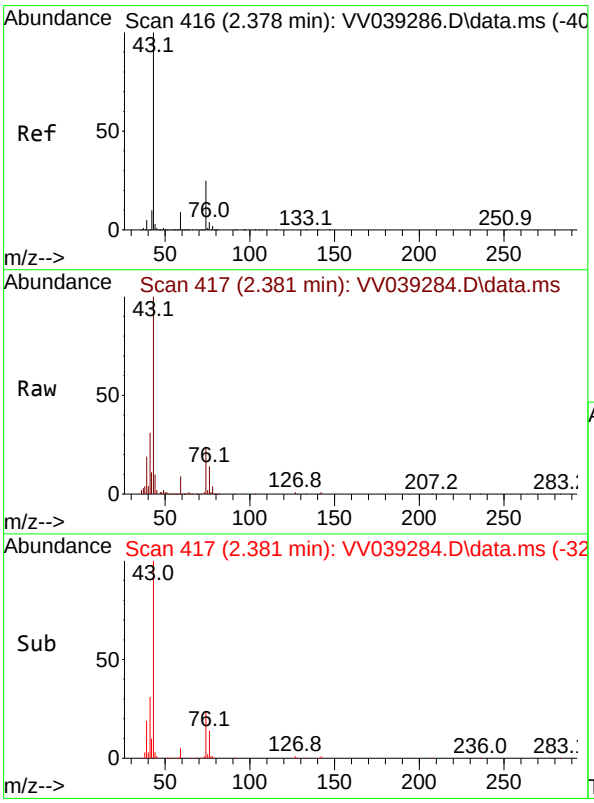
#17
Carbon Disulfide
Concen: 10.642 ug/l
RT: 2.252 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 271095

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

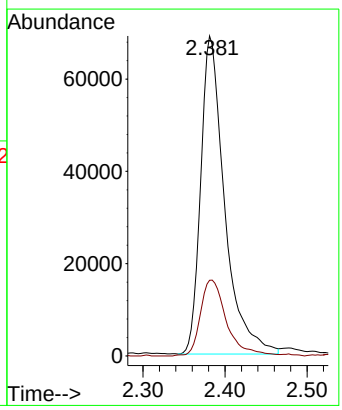


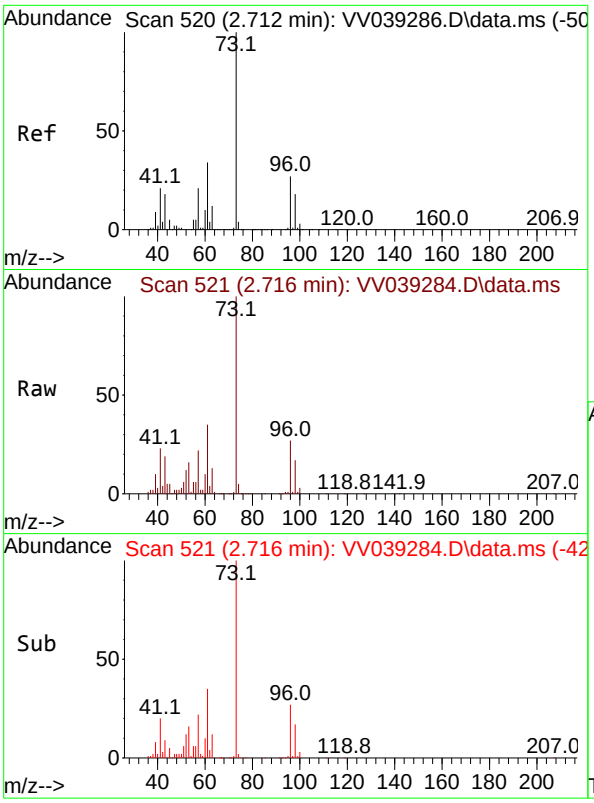


#18
Methyl Acetate
Concen: 11.345 ug/l
RT: 2.381 min Scan# 417
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 43 Resp: 139718

Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.5	29.3



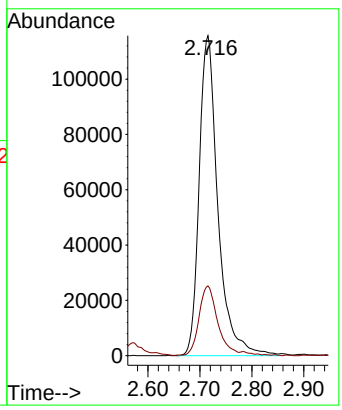


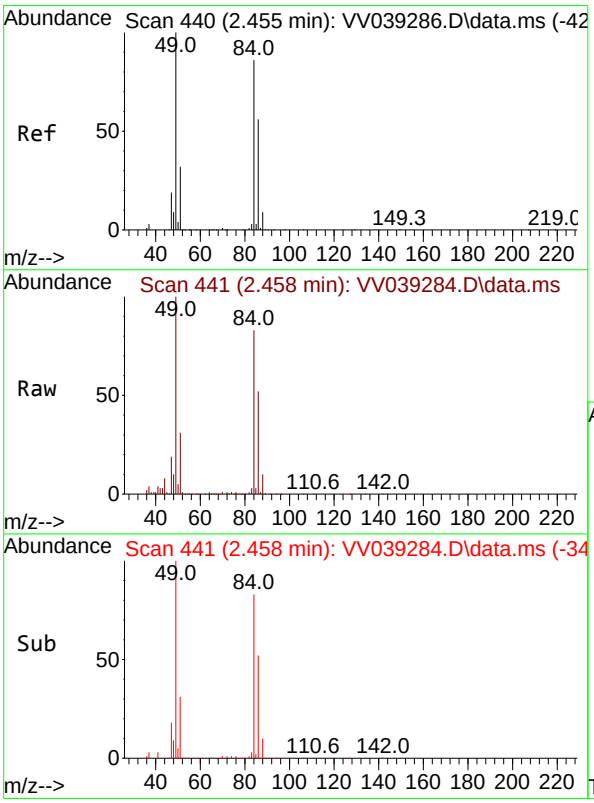
#19
Methyl tert-butyl Ether
Concen: 10.685 ug/l
RT: 2.716 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 290036

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.0	25.6

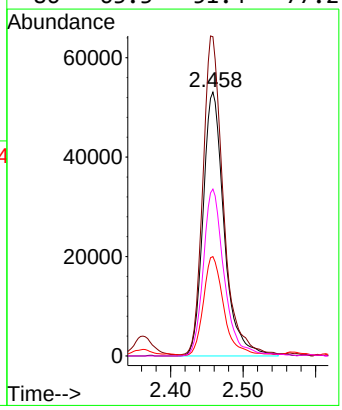


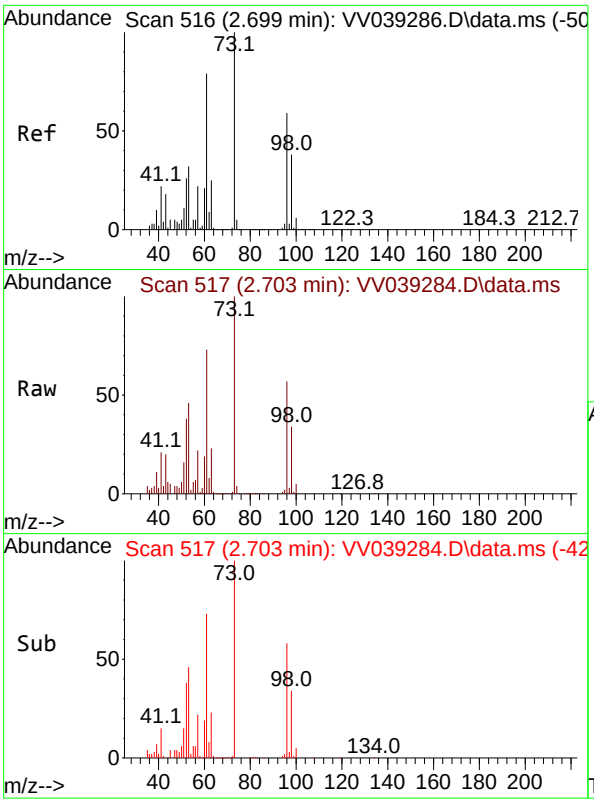


#20
Methylene Chloride
Concen: 10.928 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 84 Resp: 106777

Ion	Ratio	Lower	Upper
84	100		
49	120.5	92.6	139.0
51	37.3	29.6	44.4
86	63.3	51.4	77.2



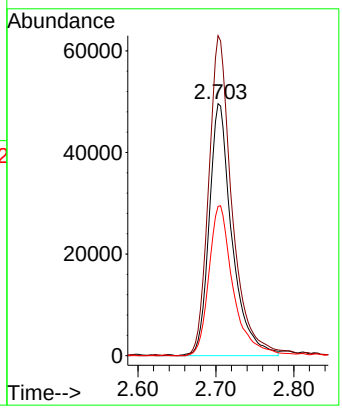


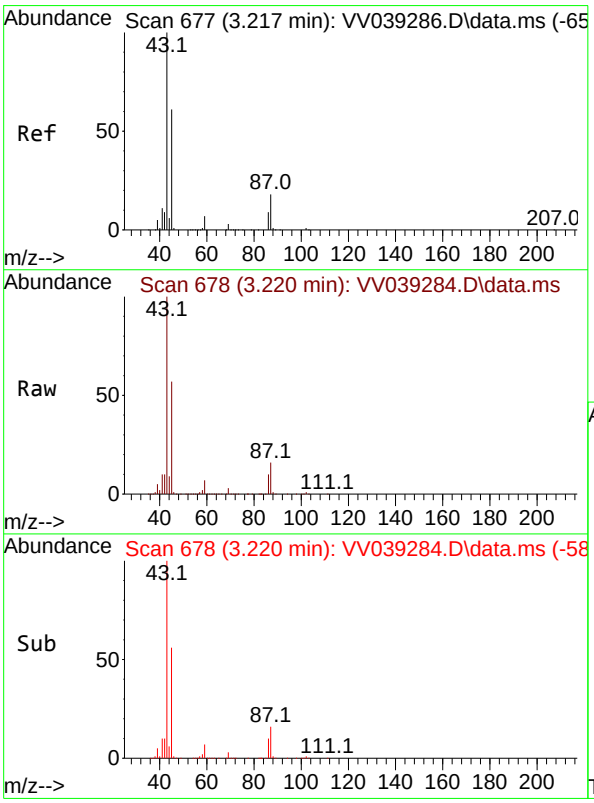
#21
trans-1,2-Dichloroethene
Concen: 10.629 ug/l
RT: 2.703 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 100933

Ion	Ratio	Lower	Upper
96	100		
61	127.0	106.8	160.2
98	59.3	51.1	76.7

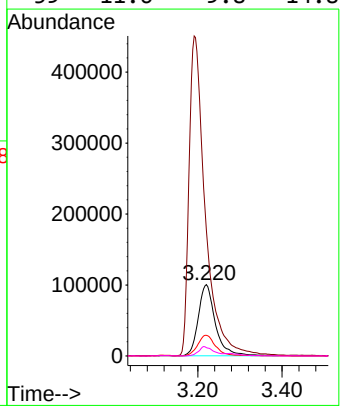


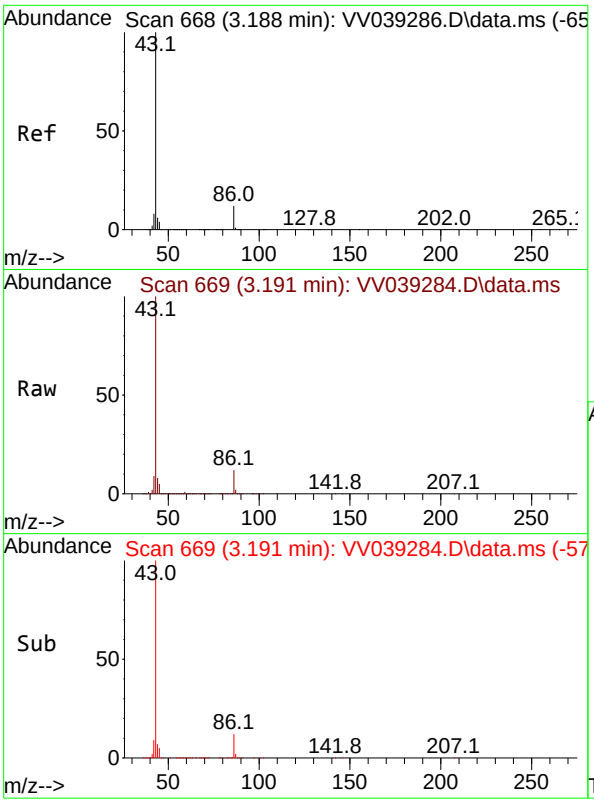


#22
Diisopropyl ether
Concen: 10.953 ug/l
RT: 3.220 min Scan# 678
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 45 Resp: 281152

Ion	Ratio	Lower	Upper
45	100		
43	176.7	130.8	196.2
87	28.8	23.8	35.8
59	11.6	9.8	14.8



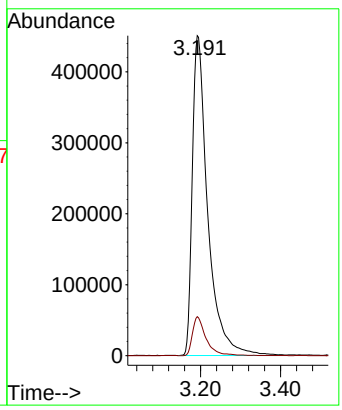


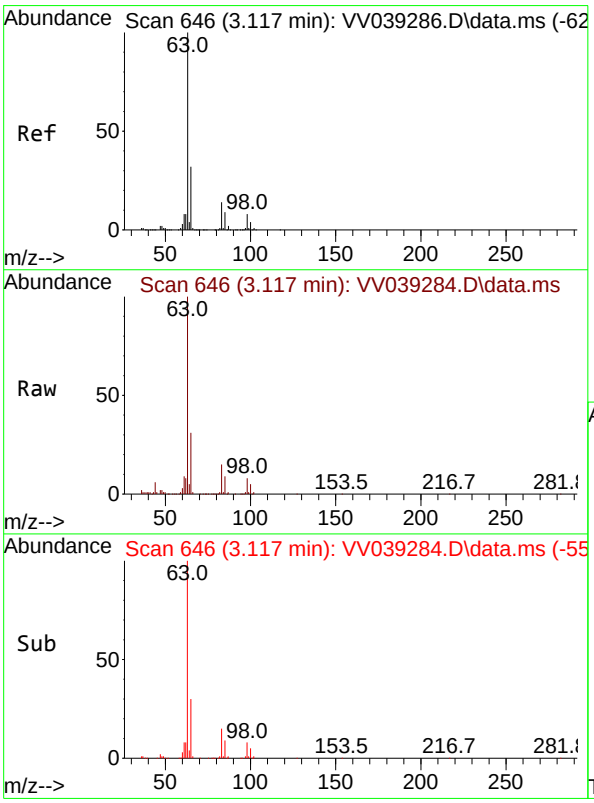
#23
Vinyl Acetate
Concen: 53.792 ug/l
RT: 3.191 min Scan# 6
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 1212165

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.4	14.2

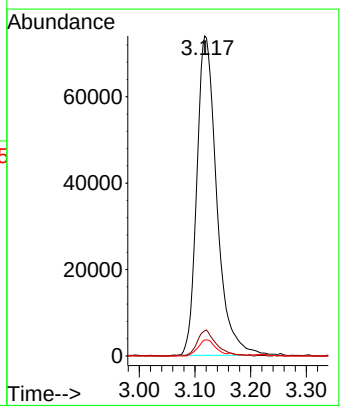


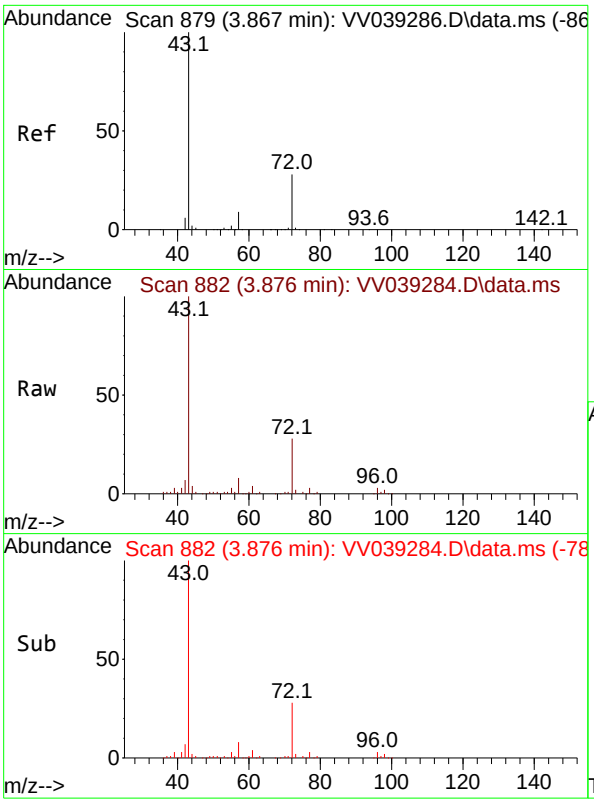


#24
1,1-Dichloroethane
Concen: 10.717 ug/l
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 63 Resp: 184286

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	12.0
100	5.0	2.3	6.8



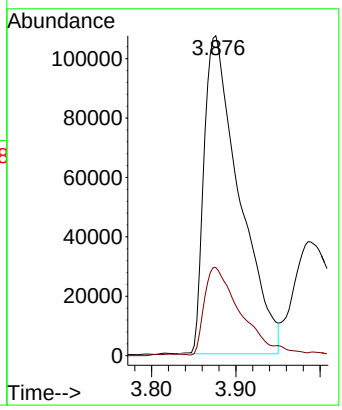


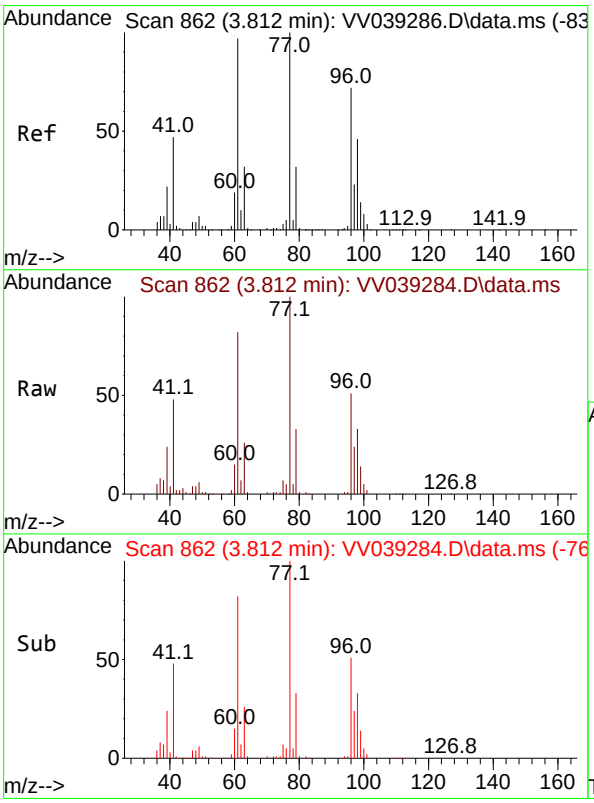
#25
2-Butanone
Concen: 53.871 ug/l
RT: 3.876 min Scan# 8
Delta R.T. 0.010 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 312212

Ion	Ratio	Lower	Upper
43	100		
72	27.3	22.6	34.0

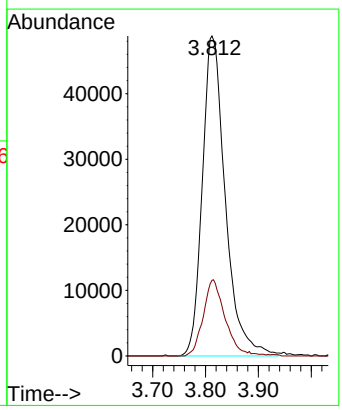


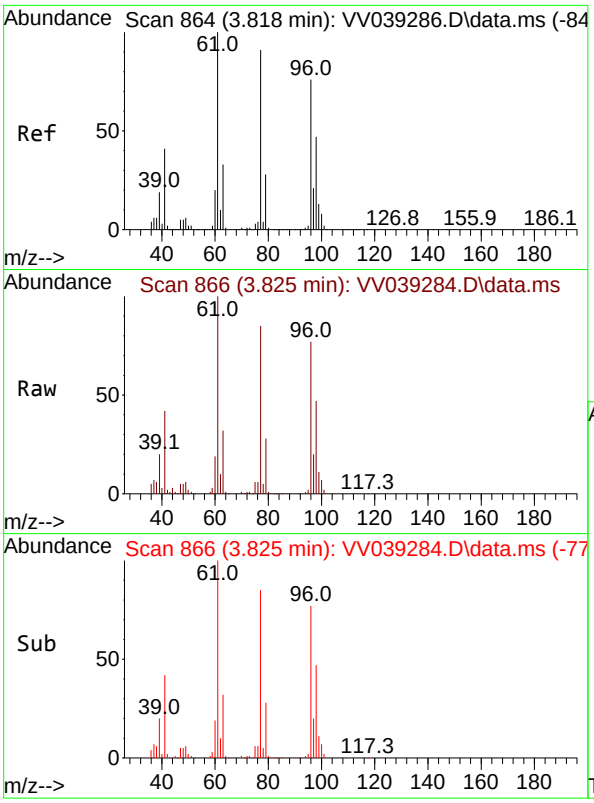


#26
2,2-Dichloropropane
Concen: 10.659 ug/l
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 77 Resp: 147629

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.6	34.8



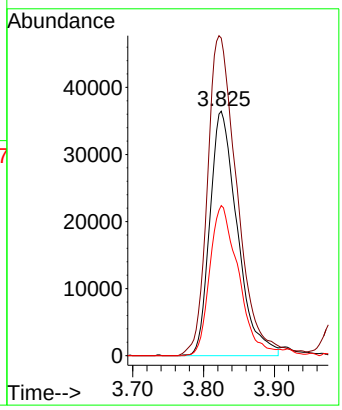


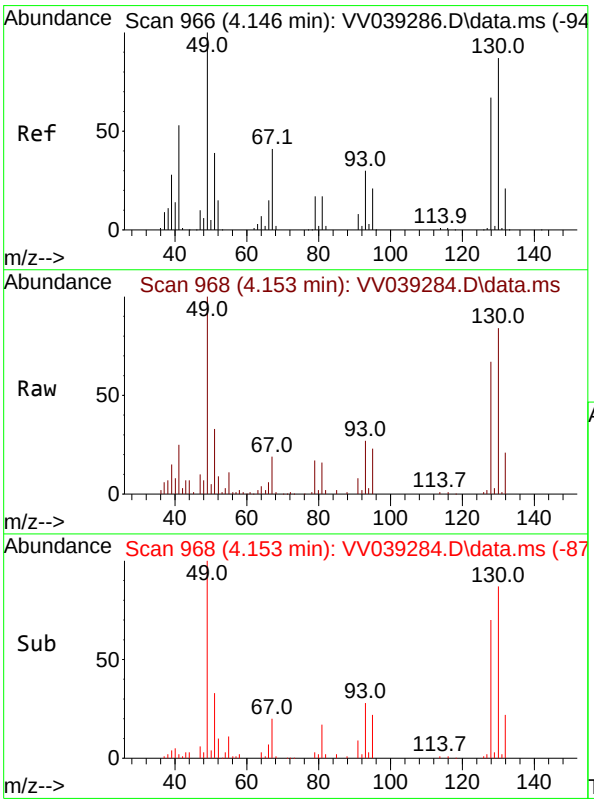
#27
cis-1,2-Dichloroethene
Concen: 10.317 ug/l
RT: 3.825 min Scan# 8
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 98093

Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	275.0
98	64.1	0.0	127.8

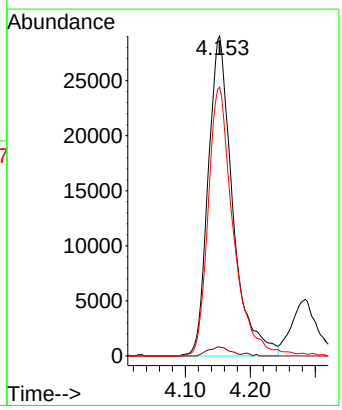


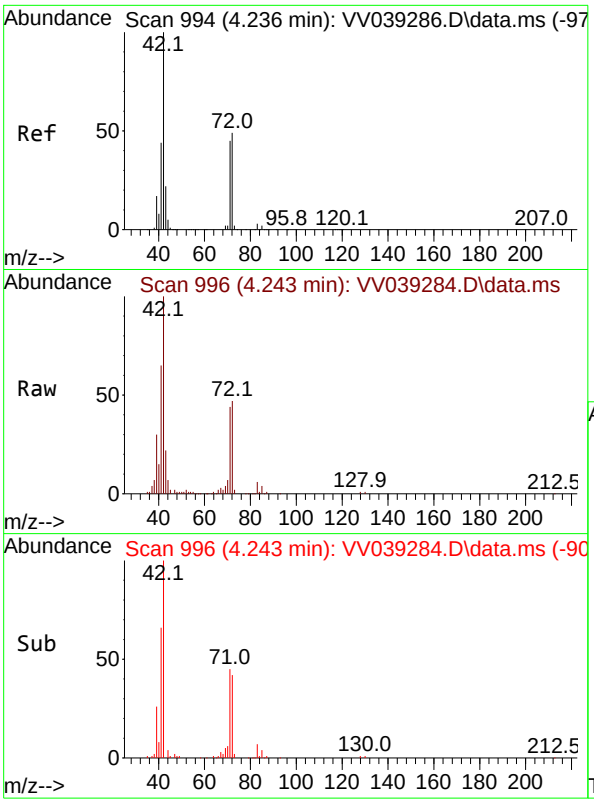


#28
Bromochloromethane
Concen: 10.107 ug/l
RT: 4.153 min Scan# 968
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 49 Resp: 75953

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	85.8	69.5	104.3



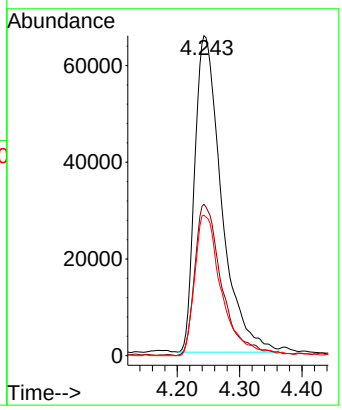


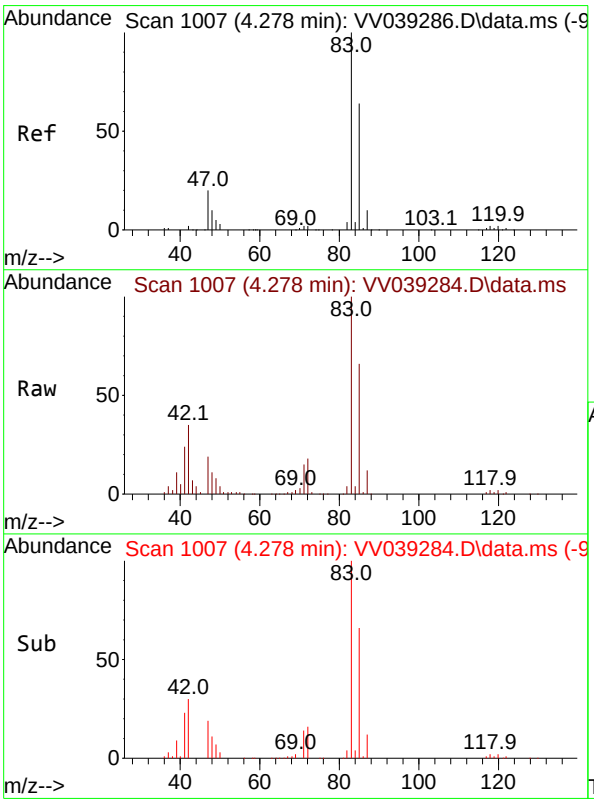
#29
Tetrahydrofuran
Concen: 52.437 ug/l
RT: 4.243 min Scan# 9
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 194816

Ion	Ratio	Lower	Upper
42	100		
72	48.7	39.8	59.8
71	44.1	36.5	54.7

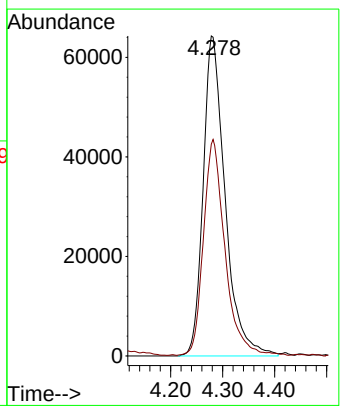


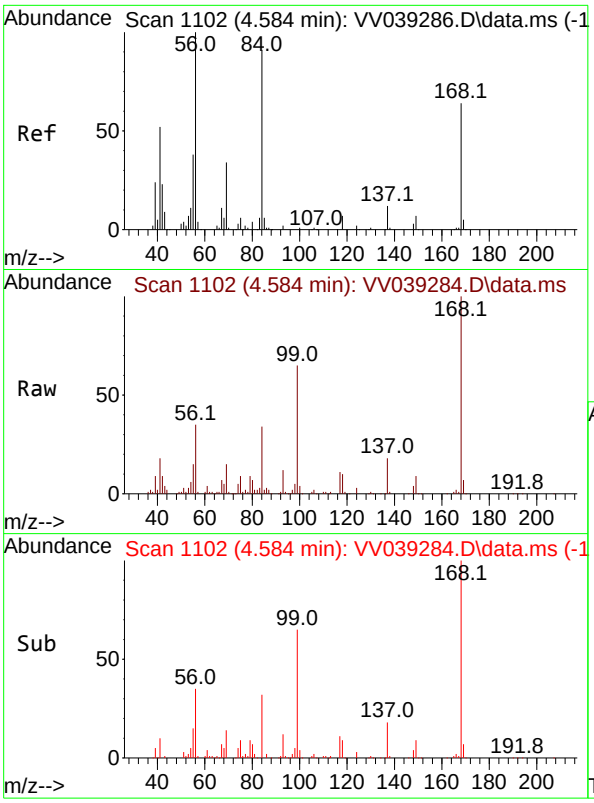


#30
Chloroform
Concen: 10.751 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 83 Resp: 188539

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.1	76.7



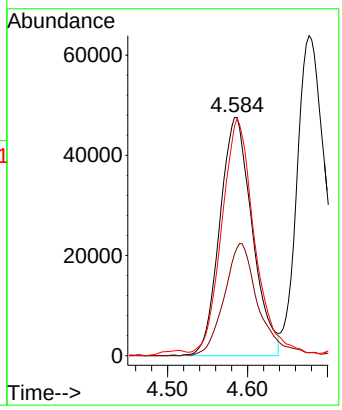


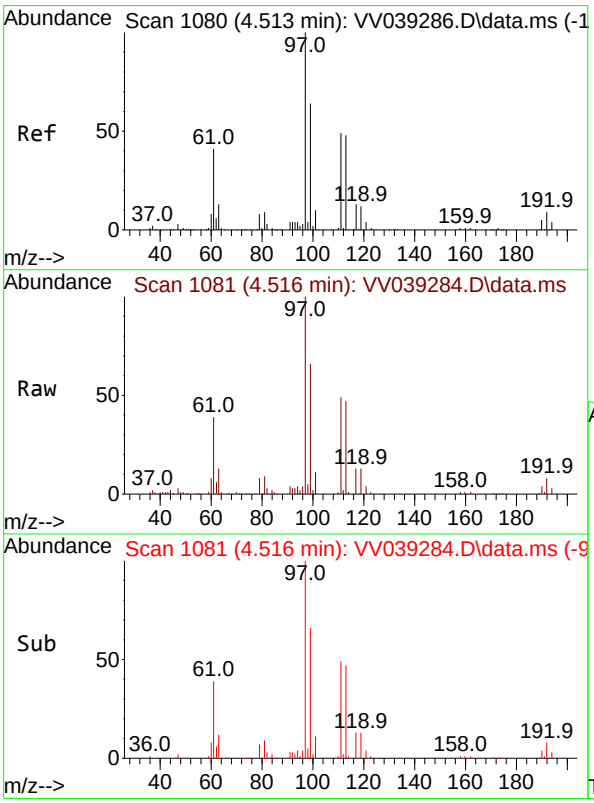
#31
Cyclohexane
Concen: 10.722 ug/l
RT: 4.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 134301

Ion	Ratio	Lower	Upper
56	100		
69	42.7	27.4	41.0#
84	94.2	72.8	109.2

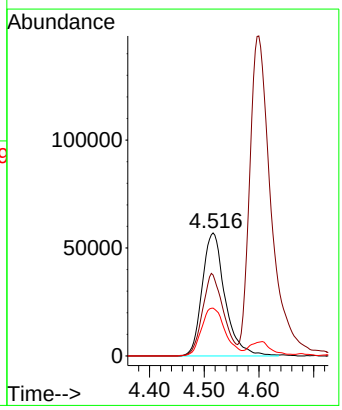


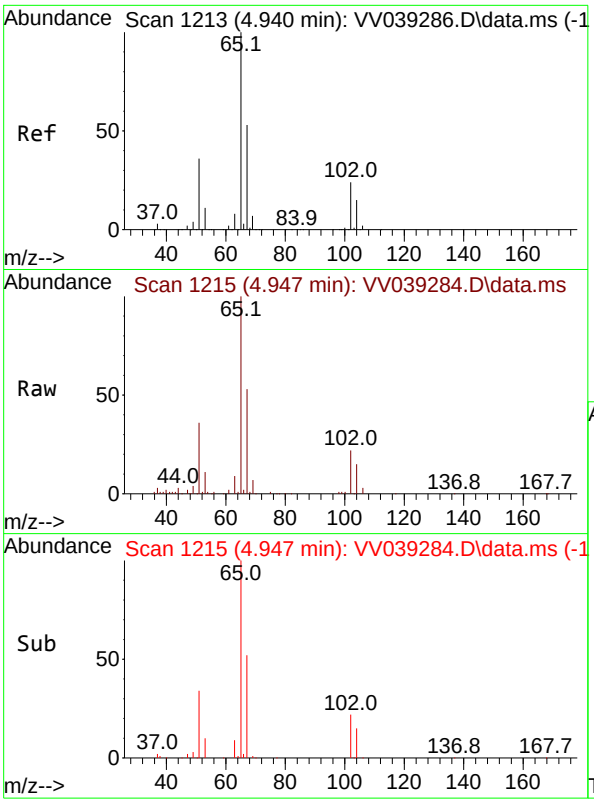


#32
1,1,1-Trichloroethane
Concen: 10.764 ug/l
RT: 4.516 min Scan# 1081
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 97 Resp: 165036

Ion	Ratio	Lower	Upper
97	100		
99	61.5	48.6	72.8
61	40.6	31.8	47.8



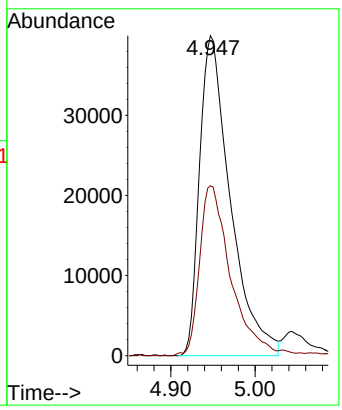


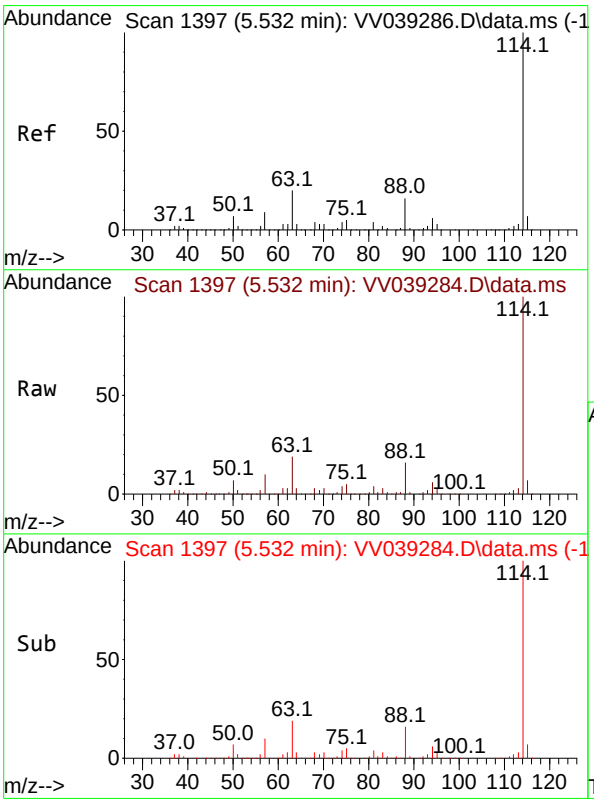
#33
1,2-Dichloroethane-d4
Concen: 10.678 ug/l
RT: 4.947 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 101485

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.4

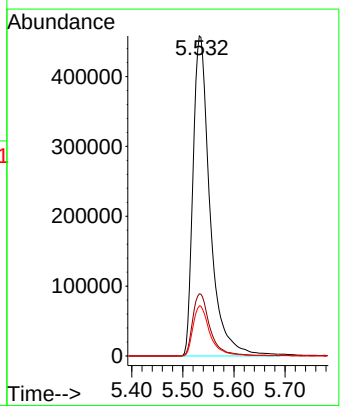


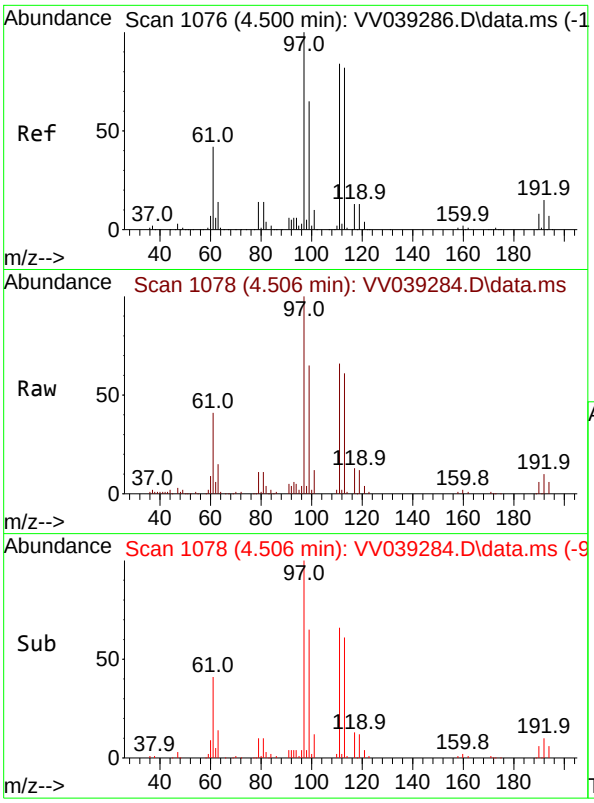


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:114 Resp: 1059714

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	15.7	0.0	31.6



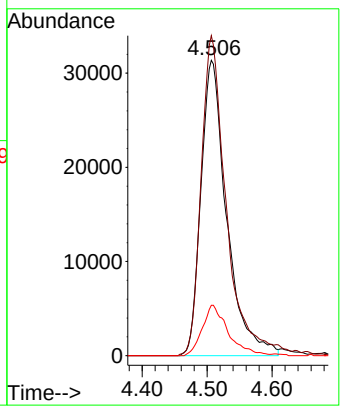


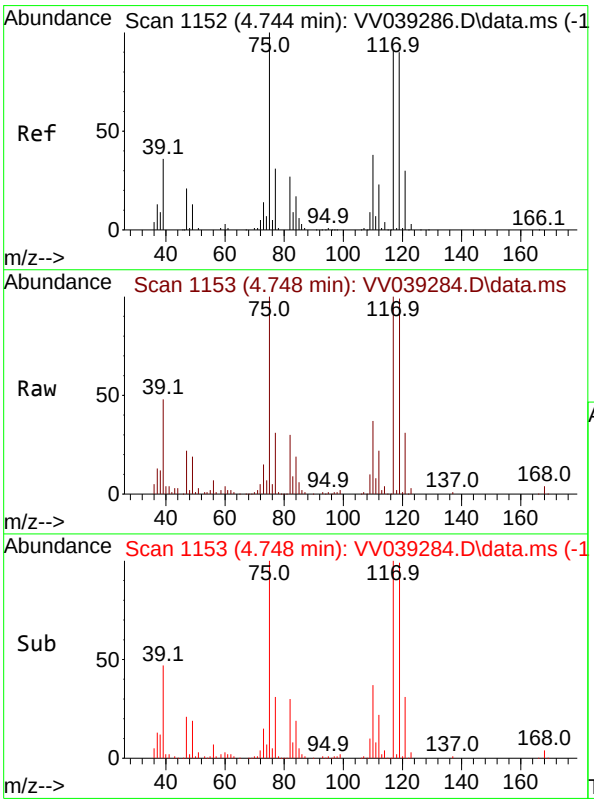
#35
Dibromofluoromethane
Concen: 10.344 ug/l
RT: 4.506 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 86371

Ion	Ratio	Lower	Upper
113	100		
111	106.0	82.0	123.0
192	17.3	14.3	21.5

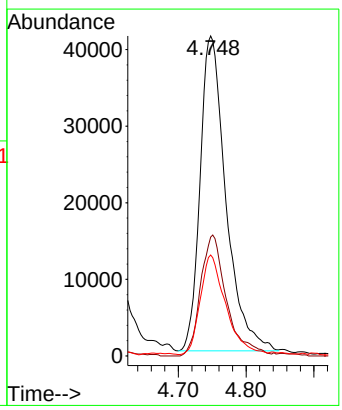


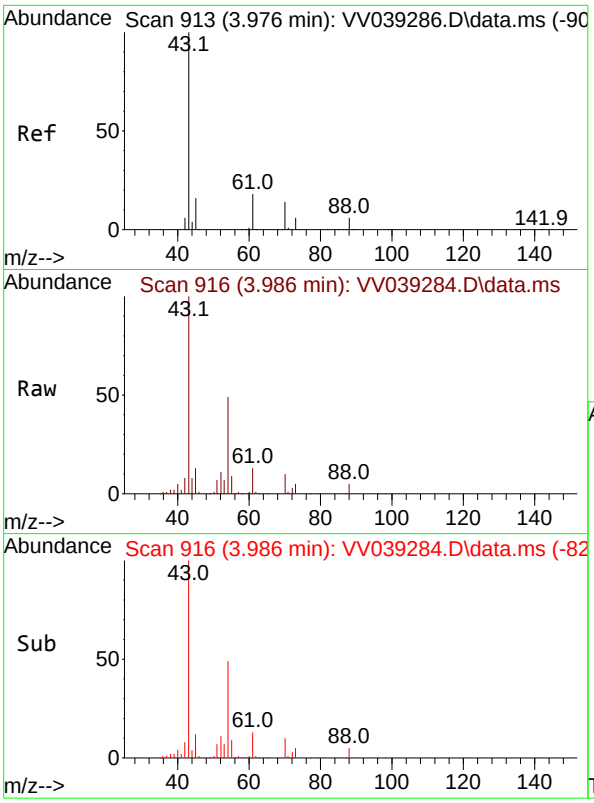


#36
1,1-Dichloropropene
Concen: 10.369 ug/l
RT: 4.748 min Scan# 1153
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 75 Resp: 108748

Ion	Ratio	Lower	Upper
75	100		
110	38.7	18.9	56.7
77	31.0	24.1	36.1



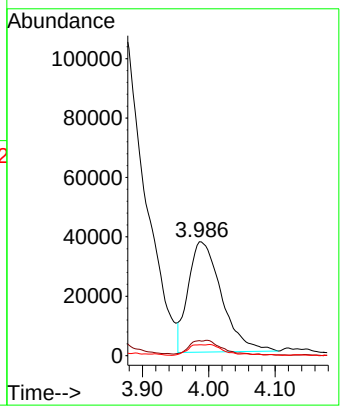


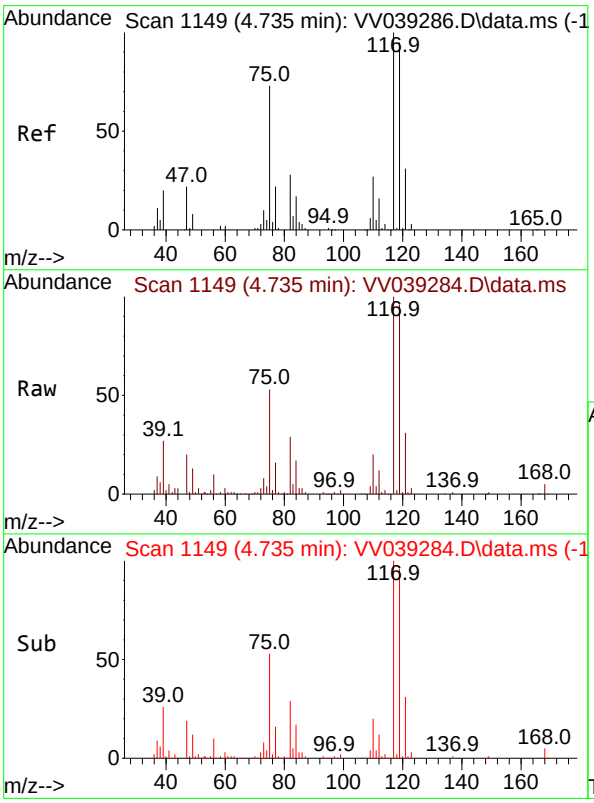
#37
Ethyl Acetate
Concen: 10.617 ug/l
RT: 3.986 min Scan# 91
Delta R.T. 0.010 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 129928

Ion	Ratio	Lower	Upper
43	100		
61	4.6	12.2	18.2#
70	5.1	9.0	13.4#

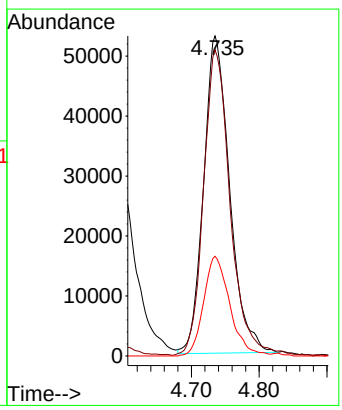


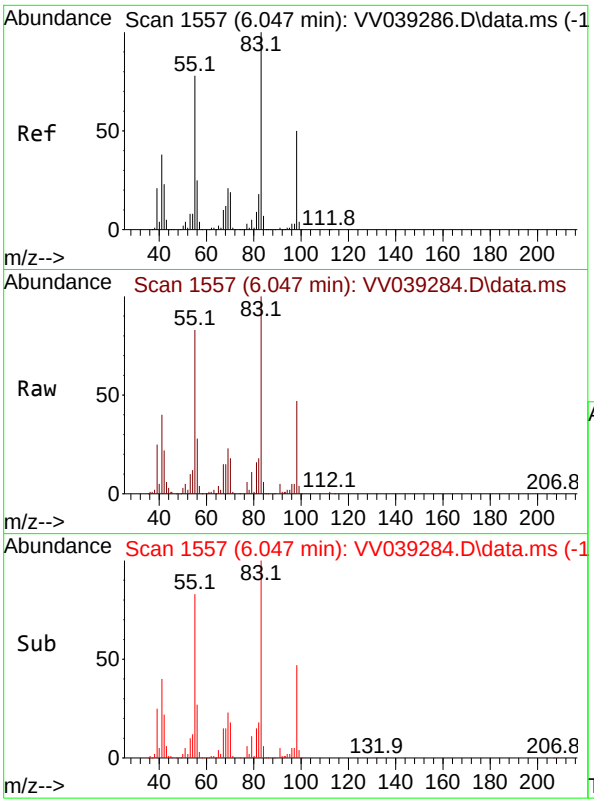


#38
Carbon Tetrachloride
Concen: 10.633 ug/l
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:117 Resp: 141348

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.9	113.9
121	31.5	24.6	37.0



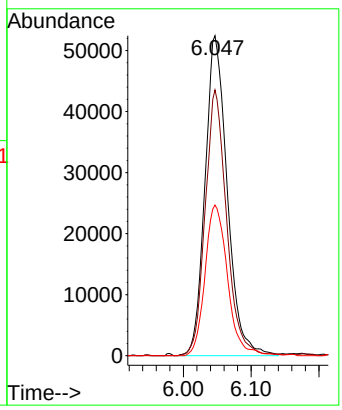


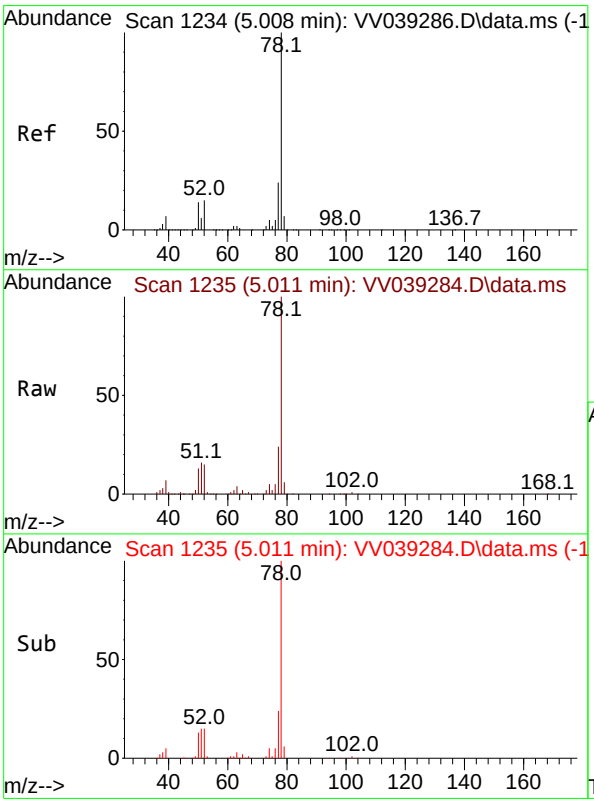
#39
Methylcyclohexane
Concen: 9.983 ug/l
RT: 6.047 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 119660

Ion	Ratio	Lower	Upper
83	100		
55	83.1	62.1	93.1
98	47.1	40.2	60.4

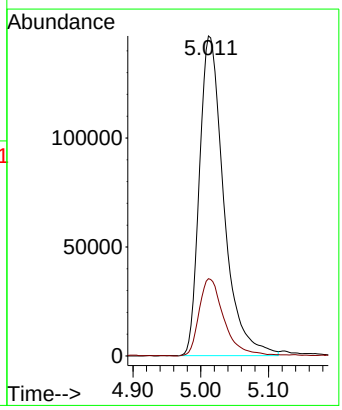


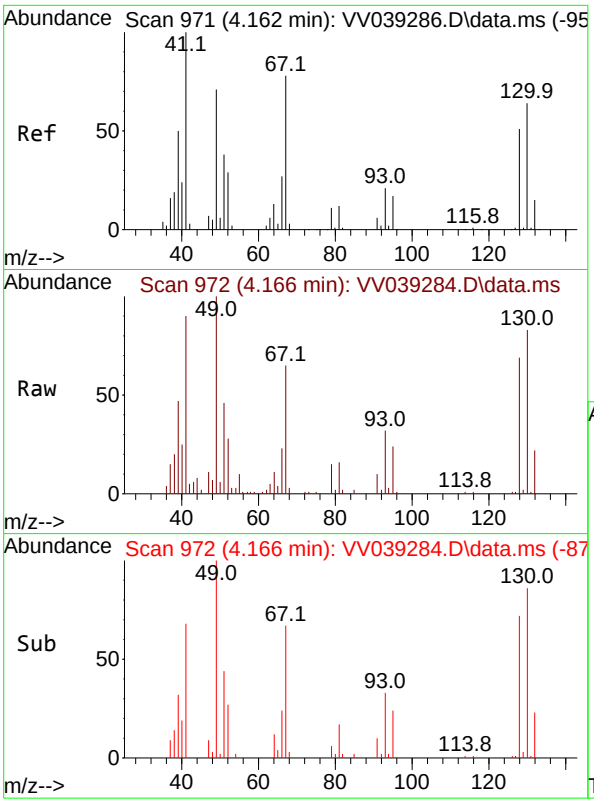


#40
Benzene
Concen: 10.879 ug/l
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 78 Resp: 366088

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3



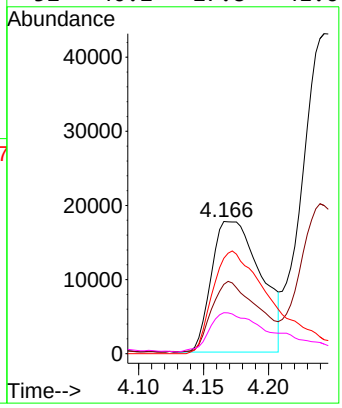


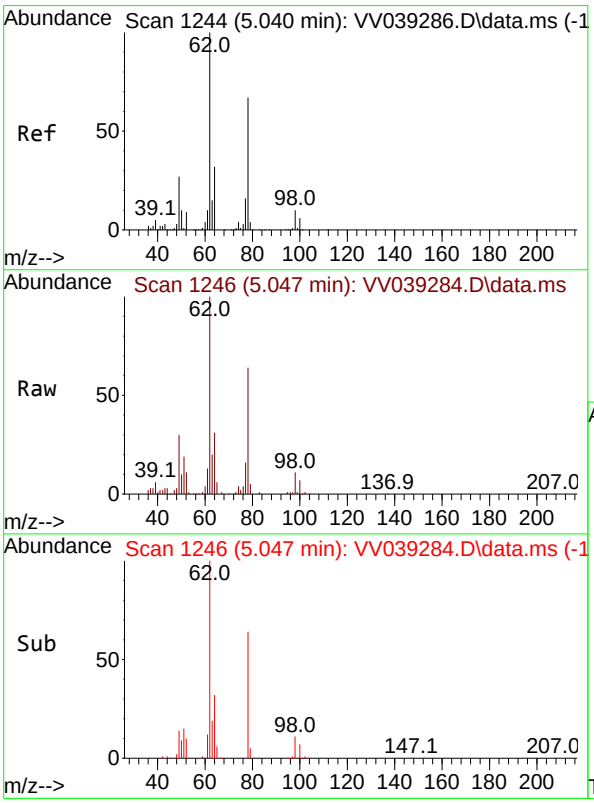
#41
Methacrylonitrile
Concen: 10.257 ug/l
RT: 4.166 min Scan# 9
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 46557

Ion	Ratio	Lower	Upper
41	100		
39	51.4	40.9	61.3
67	101.5	73.1	109.7
52	40.2	27.8	41.6

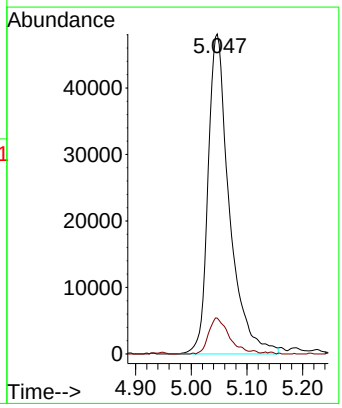


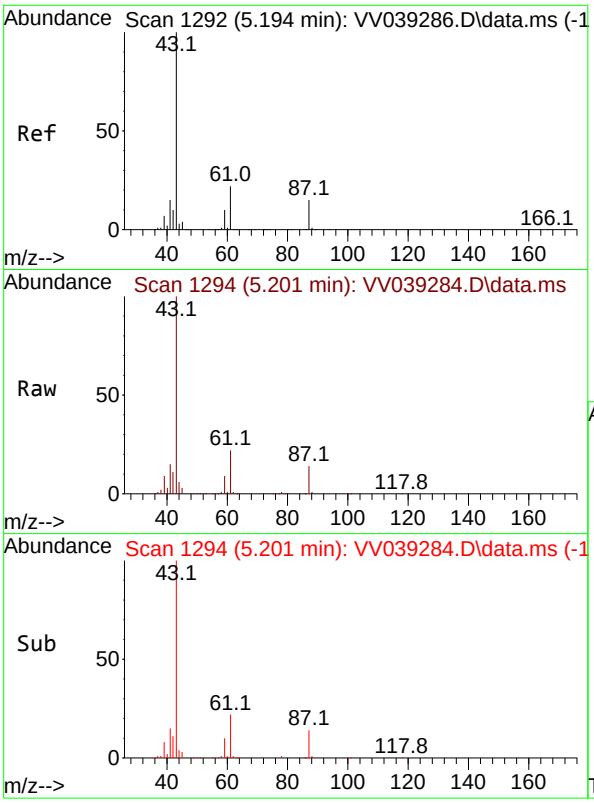


#42
1,2-Dichloroethane
Concen: 10.835 ug/l
RT: 5.047 min Scan# 1246
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 62 Resp: 127973

Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0



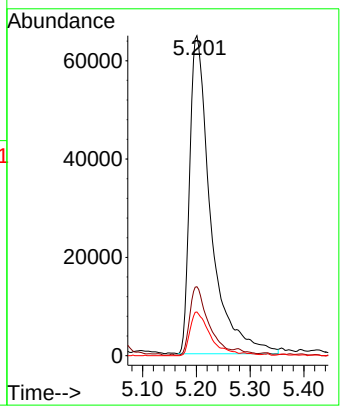


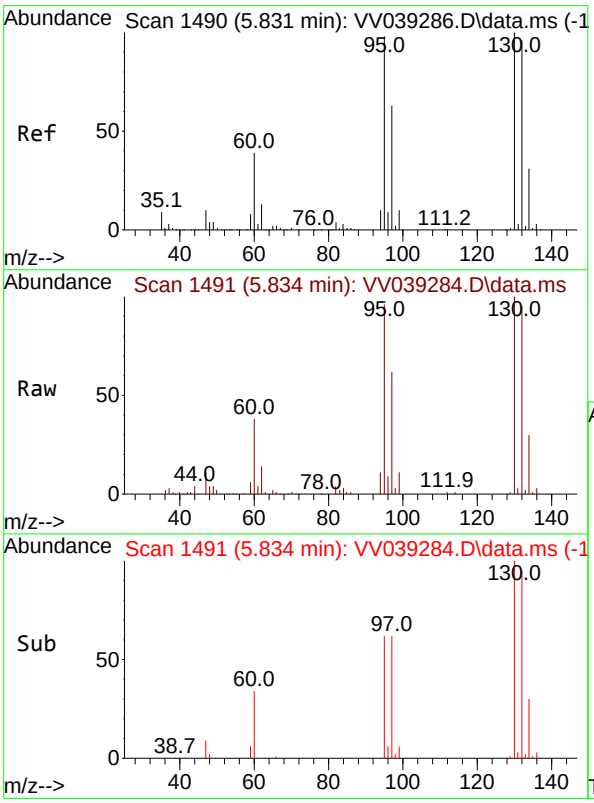
#43
Isopropyl Acetate
Concen: 10.537 ug/l
RT: 5.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 176213

Ion	Ratio	Lower	Upper
43	100		
61	19.1	17.1	25.7
87	13.1	11.5	17.3

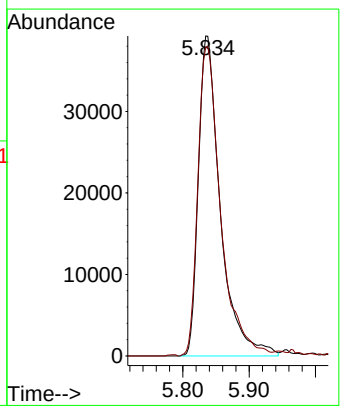


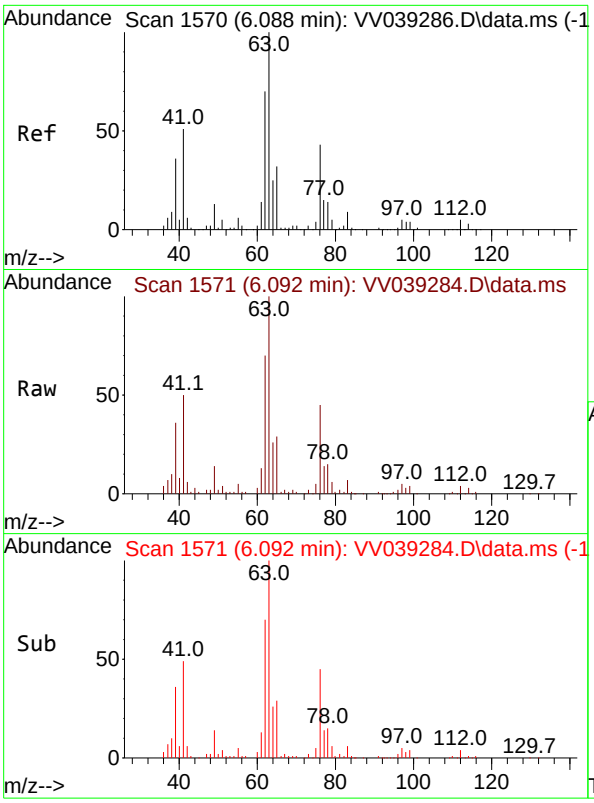


#44
Trichloroethene
Concen: 10.641 ug/l
RT: 5.834 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:130 Resp: 90047

Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	196.6



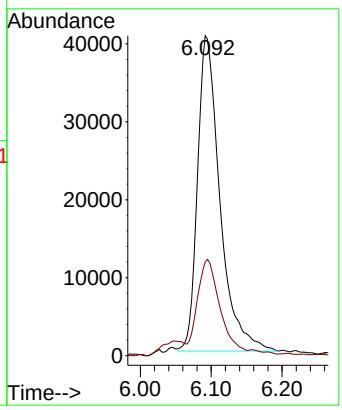


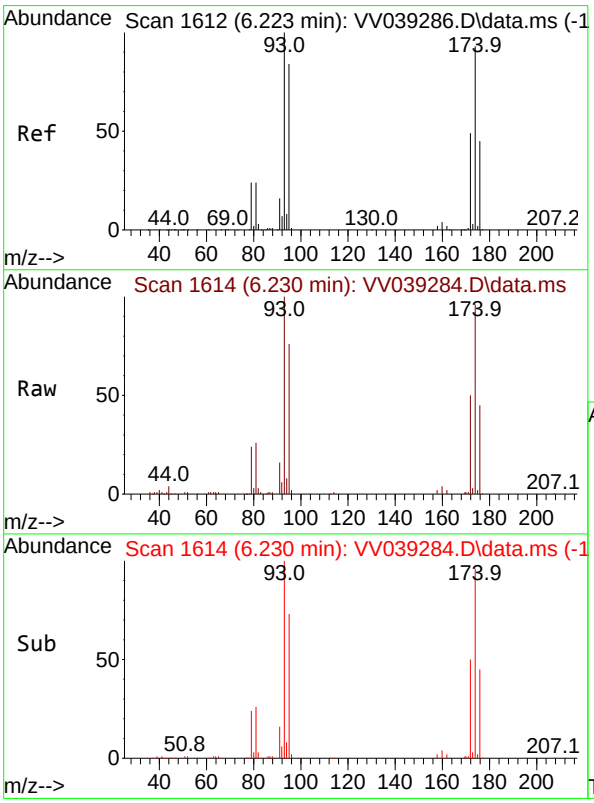
#45
1,2-Dichloropropane
Concen: 10.852 ug/l
RT: 6.092 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 88868

Ion	Ratio	Lower	Upper
63	100		
65	29.2	25.4	38.2

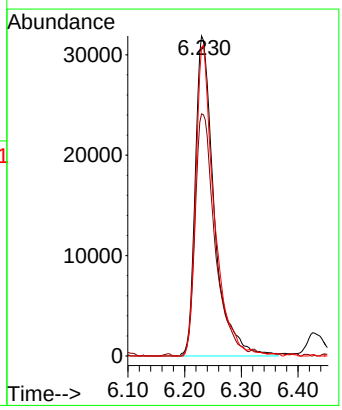


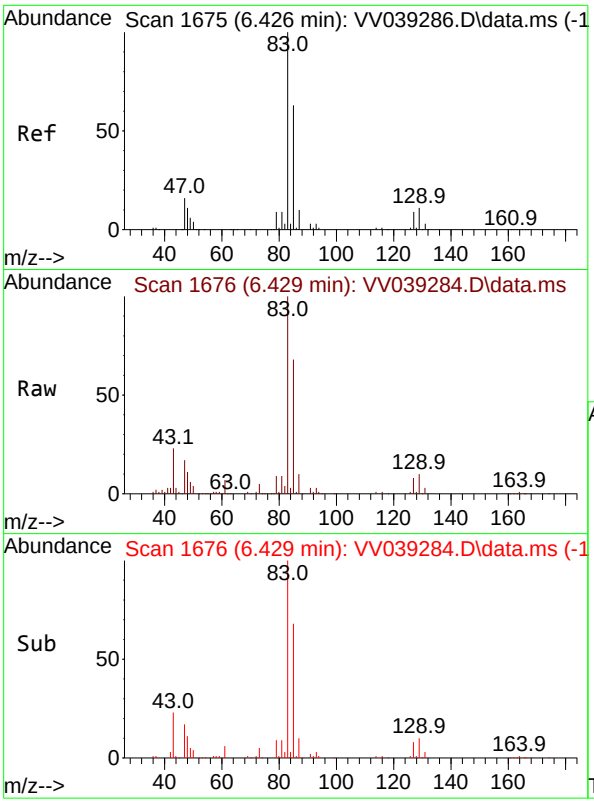


#46
Dibromomethane
Concen: 10.786 ug/l
RT: 6.230 min Scan# 1614
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 93 Resp: 73826

Ion	Ratio	Lower	Upper
93	100		
95	78.9	65.6	98.4
174	93.3	74.6	112.0



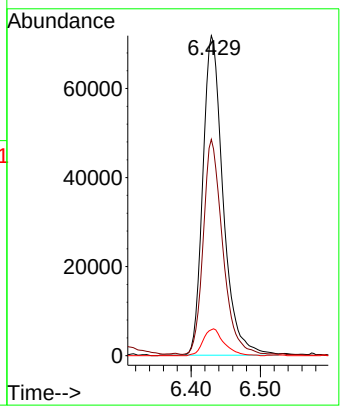


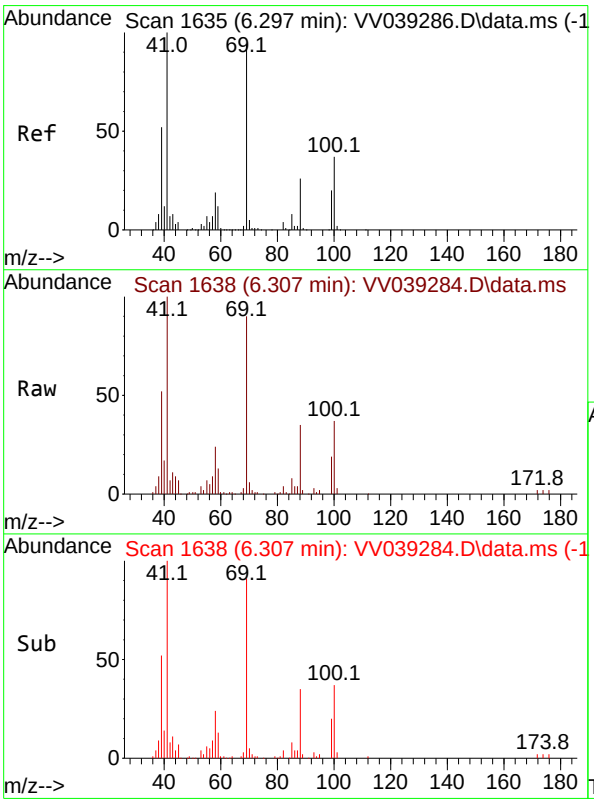
#47
Bromodichloromethane
Concen: 10.805 ug/l
RT: 6.429 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 145721

Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.9	76.3
127	8.1	7.0	10.6

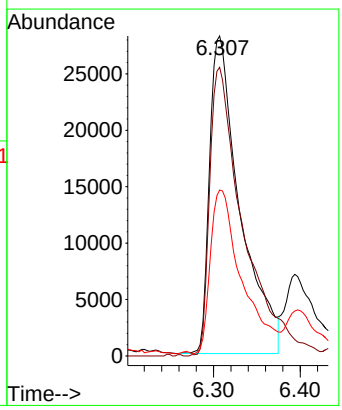


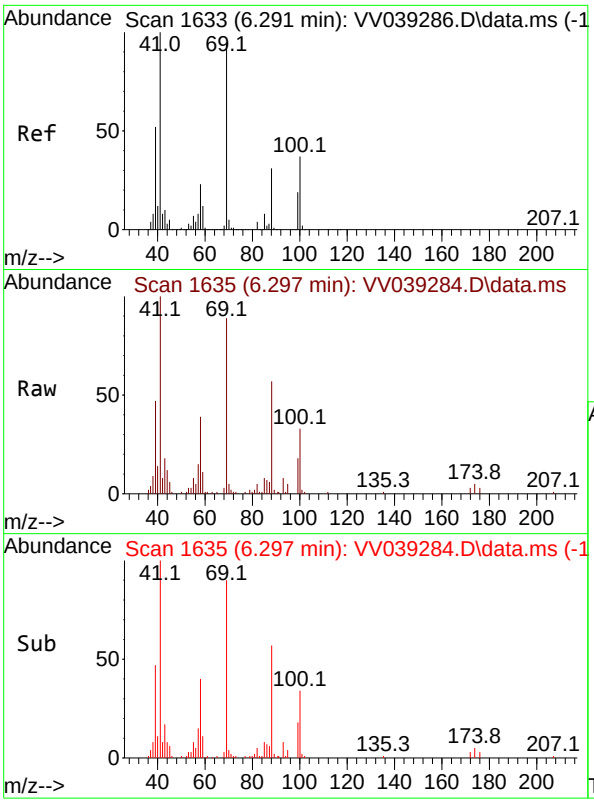


#48
Methyl methacrylate
Concen: 9.202 ug/l
RT: 6.307 min Scan# 1638
Delta R.T. 0.010 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 41 Resp: 68523

Ion	Ratio	Lower	Upper
41	100		
69	101.2	77.2	115.8
39	53.7	41.4	62.0



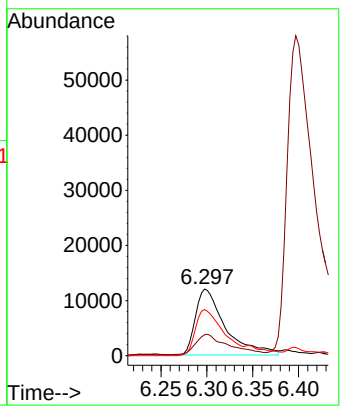


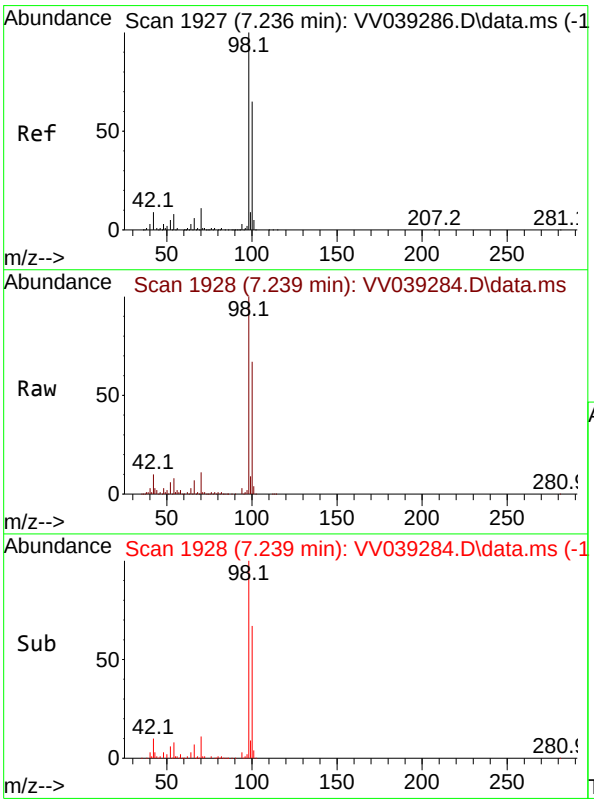
#49
1,4-Dioxane
Concen: 219.073 ug/l
RT: 6.297 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 27138

Ion	Ratio	Lower	Upper
88	100		
43	35.2	24.1	36.1
58	64.5	57.6	86.4

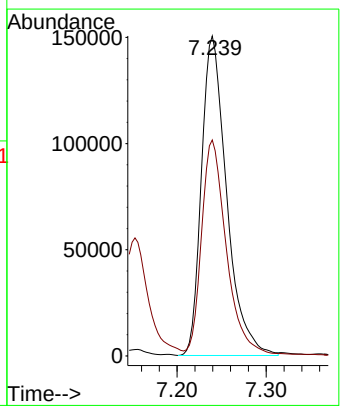


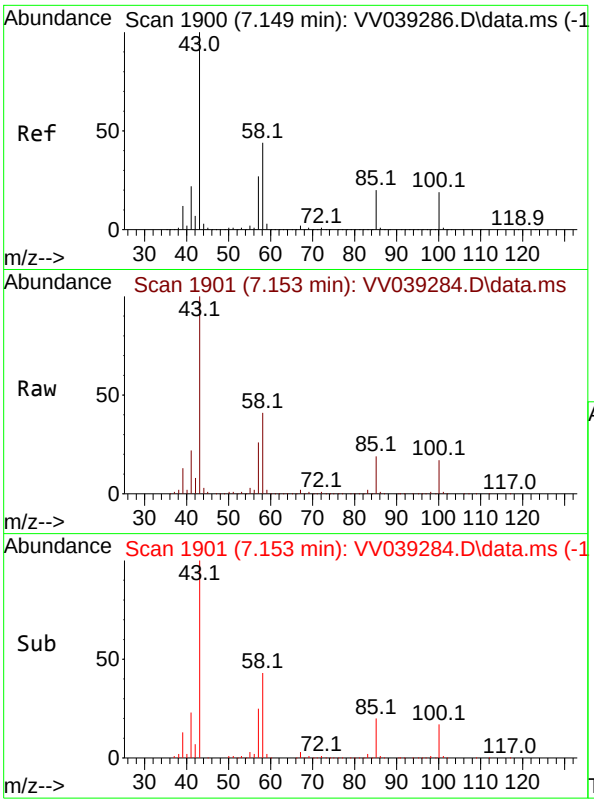


#50
Toluene-d8
Concen: 10.400 ug/l
RT: 7.239 min Scan# 1928
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 98 Resp: 295414

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.8	79.2



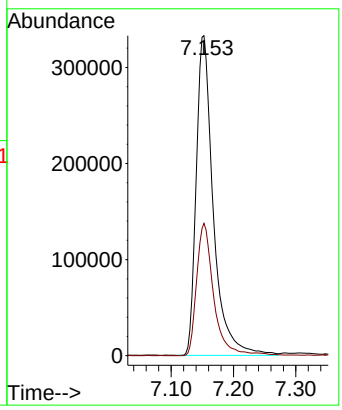


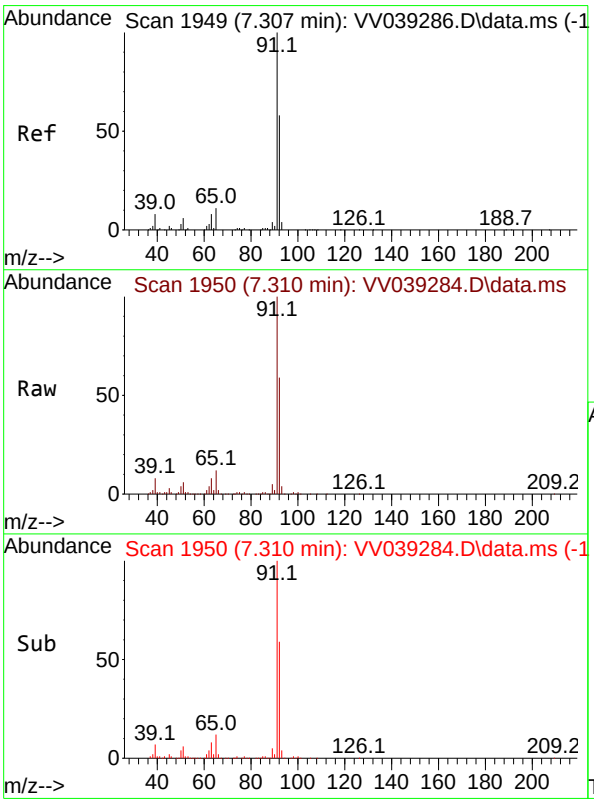
#51
4-Methyl-2-Pentanone
Concen: 56.786 ug/l
RT: 7.153 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 633258

Ion	Ratio	Lower	Upper
43	100		
58	41.7	34.2	51.4

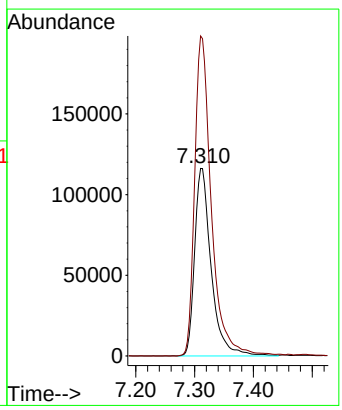


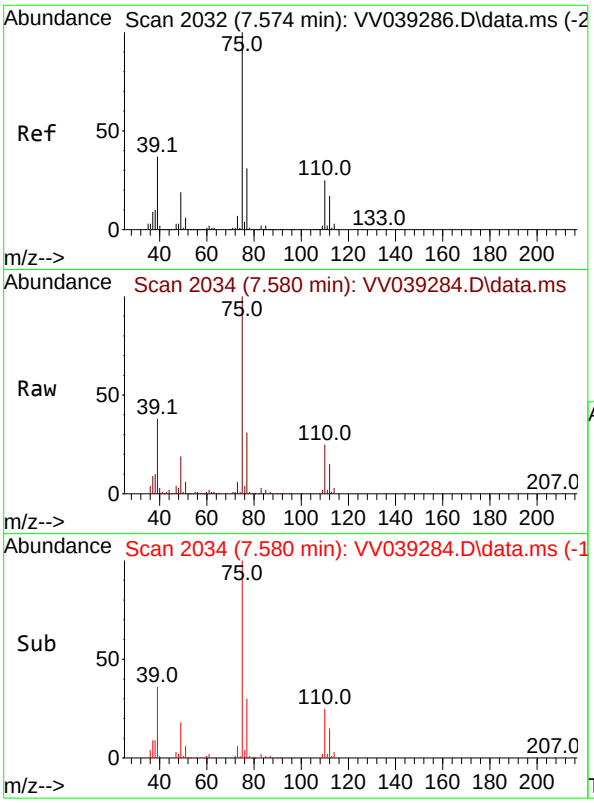


#52
Toluene
Concen: 11.166 ug/l
RT: 7.310 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 92 Resp: 226876

Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.3	205.9



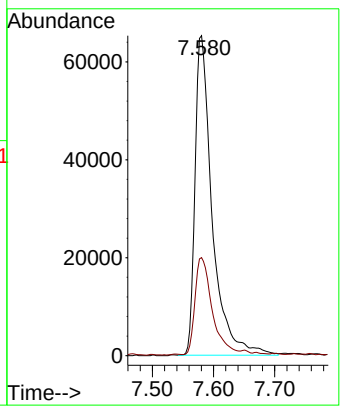


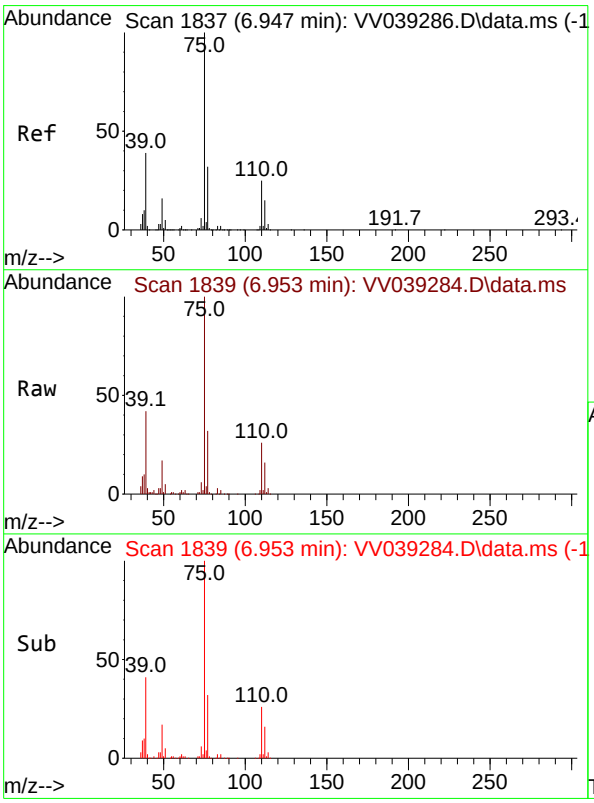
#53
t-1,3-Dichloropropene
Concen: 10.810 ug/l
RT: 7.580 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 127407

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.1	37.7

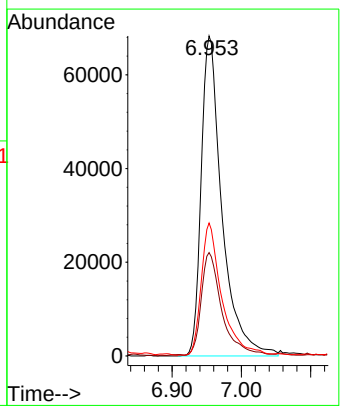


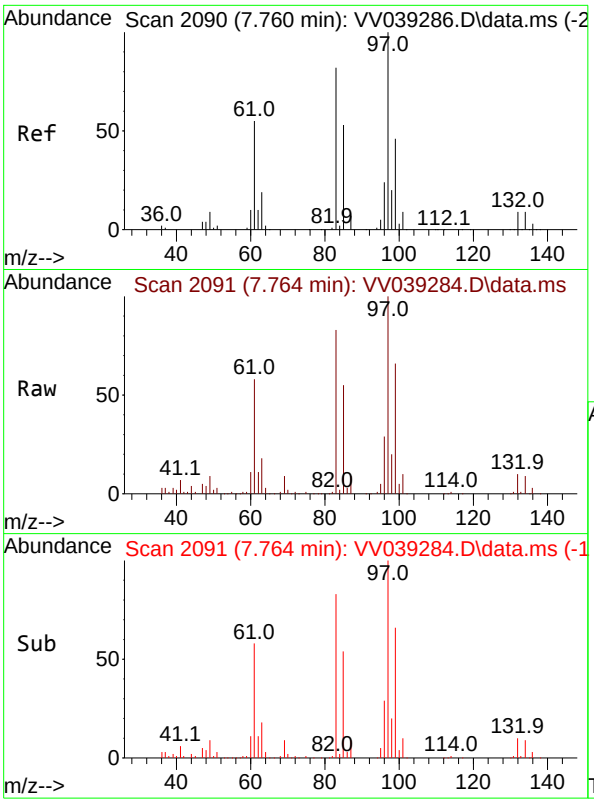


#54
cis-1,3-Dichloropropene
Concen: 10.849 ug/l
RT: 6.953 min Scan# 1839
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 75 Resp: 142163

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	41.3	31.0	46.6



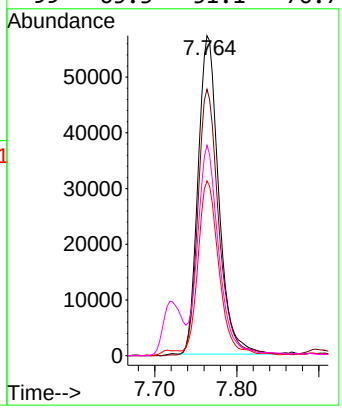


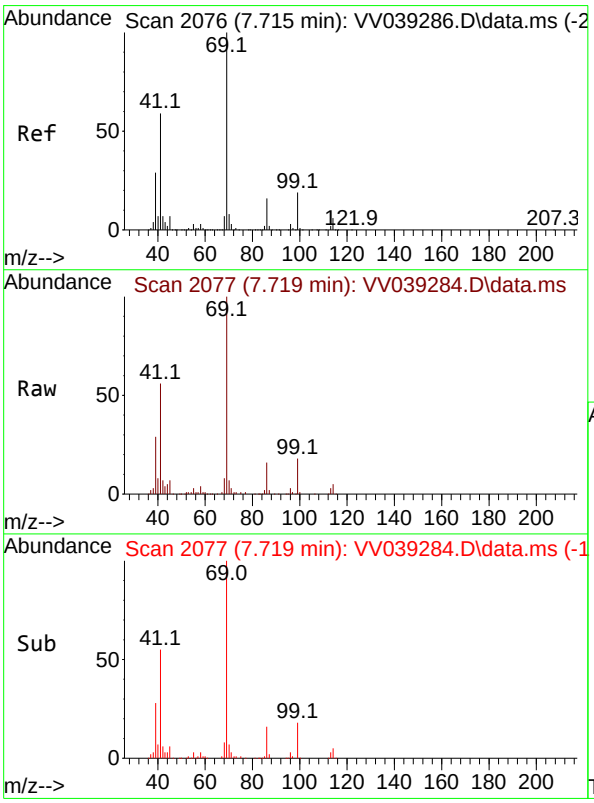
#55
1,1,2-Trichloroethane
Concen: 10.886 ug/l
RT: 7.764 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 99879

Ion	Ratio	Lower	Upper
97	100		
83	83.4	65.8	98.8
85	54.5	43.3	64.9
99	65.3	51.1	76.7

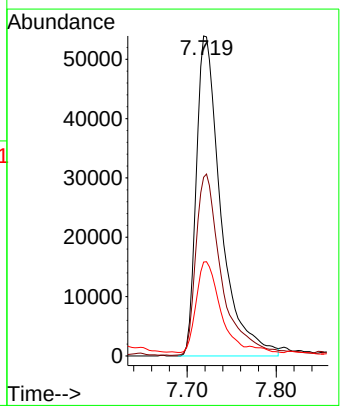


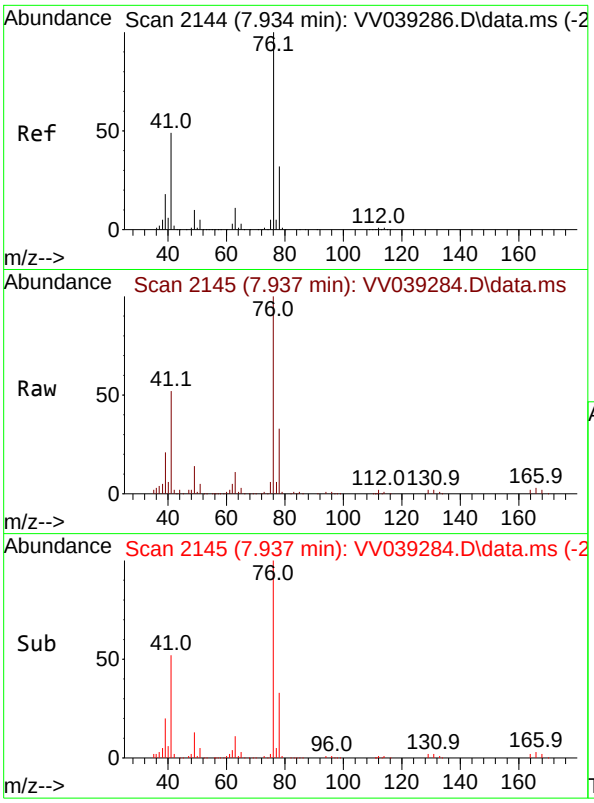


#56
Ethyl methacrylate
Concen: 10.113 ug/l
RT: 7.719 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 69 Resp: 103595

Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.1	70.7
39	27.2	23.2	34.8



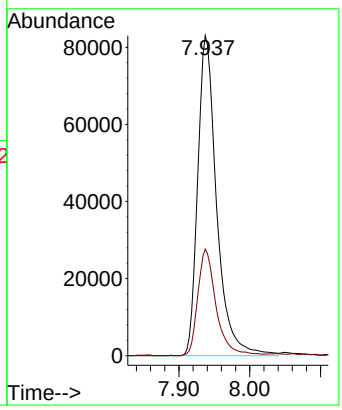


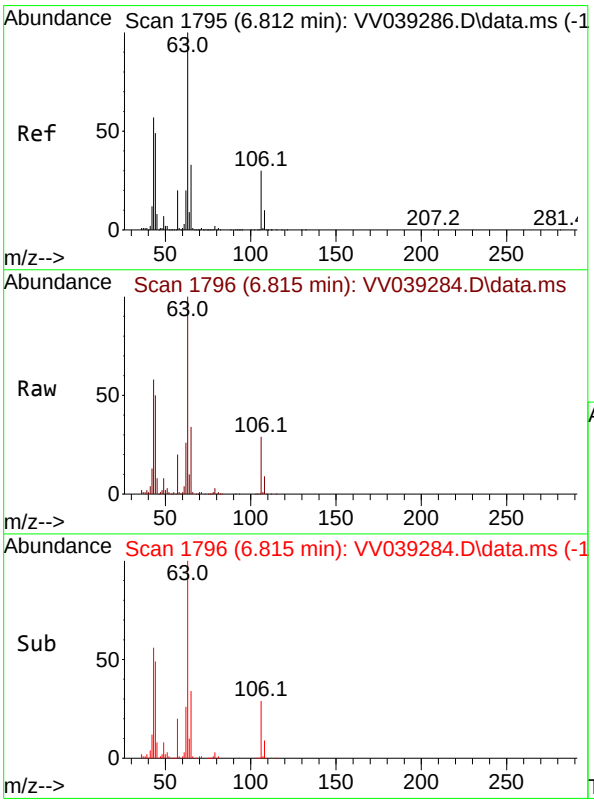
#57
1,3-Dichloropropane
Concen: 11.115 ug/l
RT: 7.937 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 153896

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.6	38.4

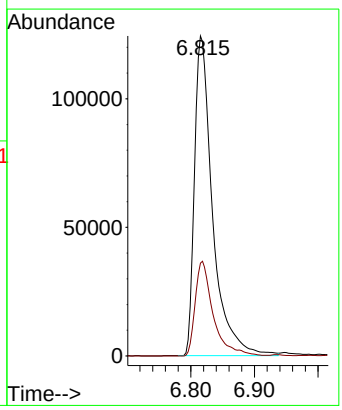


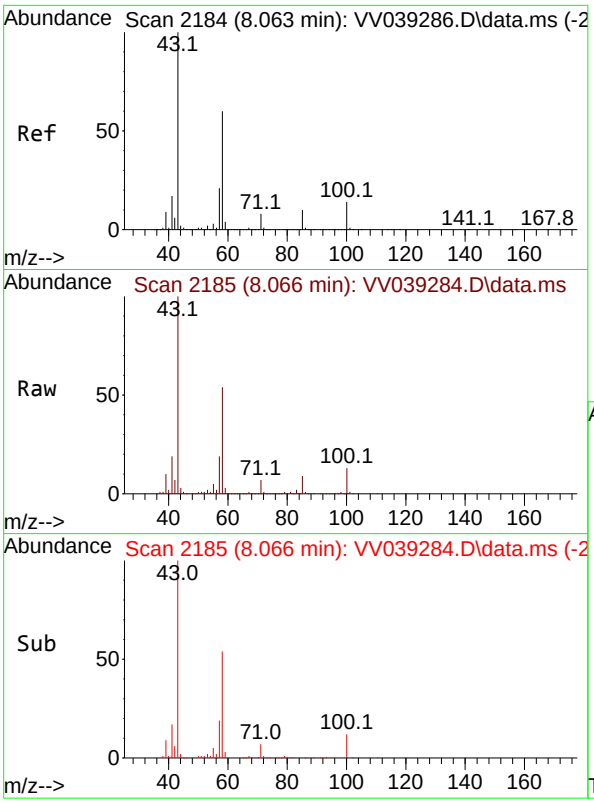


#58
2-Chloroethyl Vinyl ether
Concen: 46.122 ug/l
RT: 6.815 min Scan# 1796
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 63 Resp: 245944

Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.5	35.3



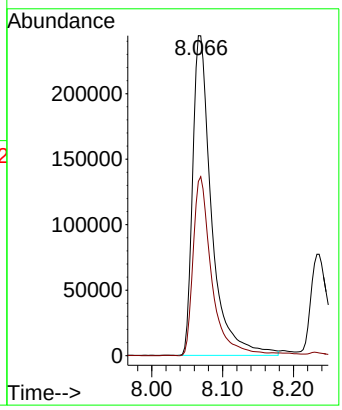


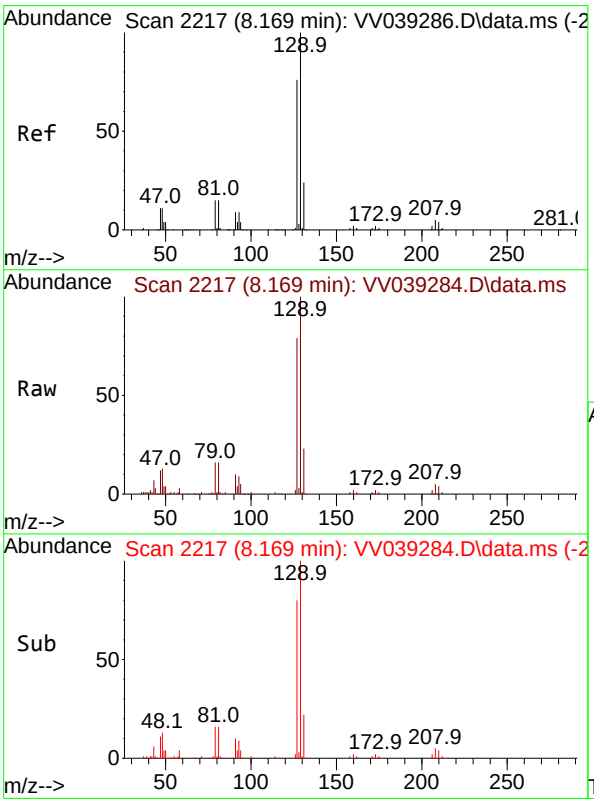
#59
2-Hexanone
Concen: 55.309 ug/l
RT: 8.066 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 452813

Ion	Ratio	Lower	Upper
43	100		
58	54.7	29.6	88.9

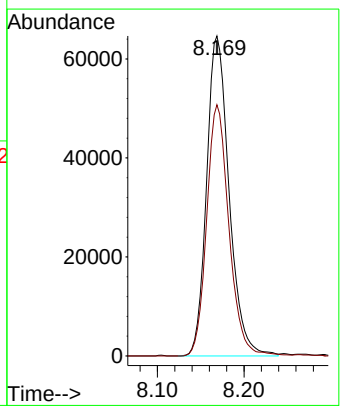


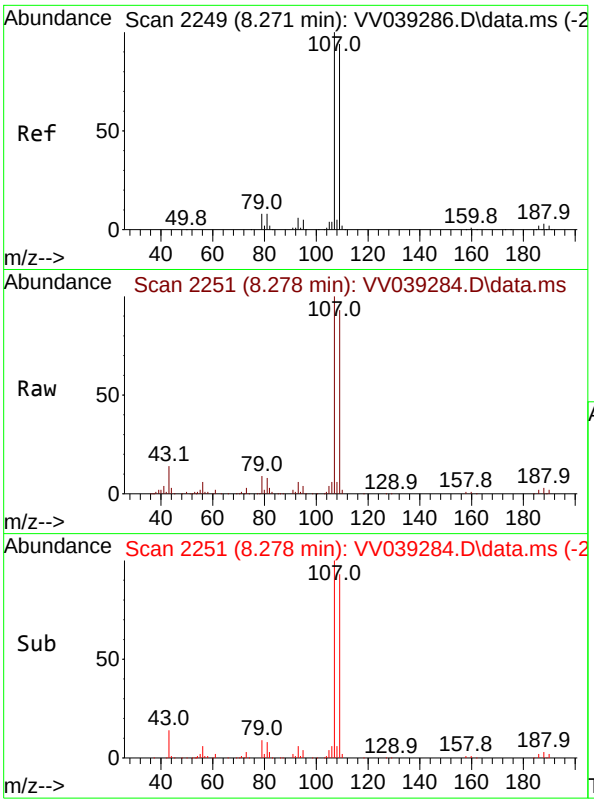


#60
Dibromochloromethane
Concen: 10.878 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:129 Resp: 116696

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.1



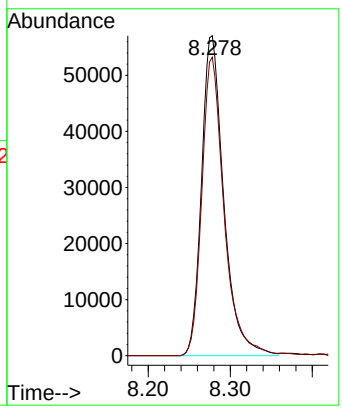


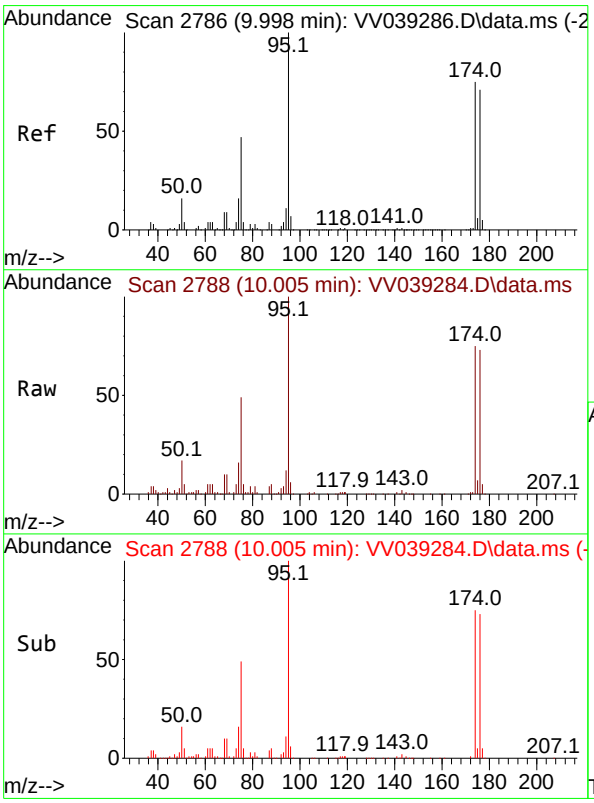
#61
1,2-Dibromoethane
Concen: 11.250 ug/l
RT: 8.278 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 107473

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.8	113.6

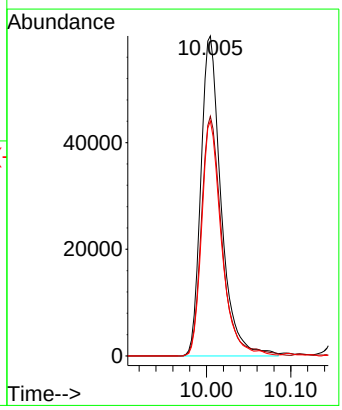


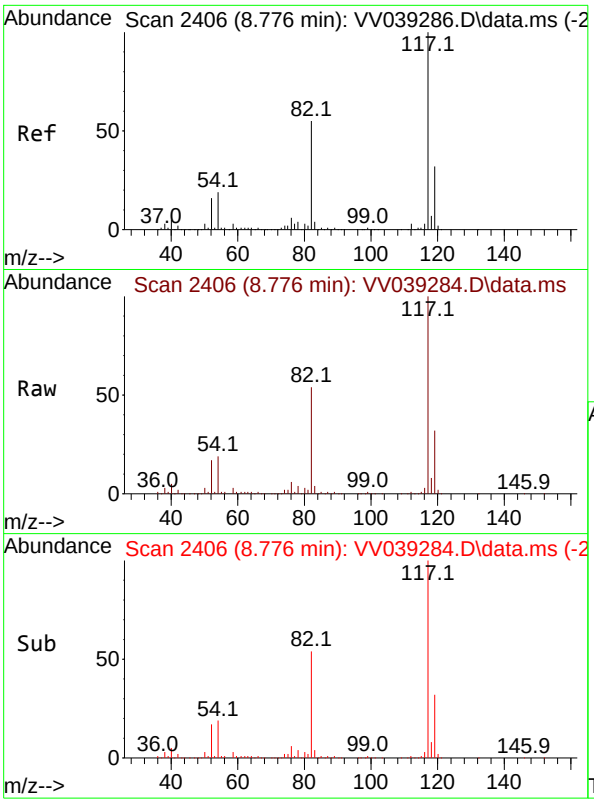


#62
4-Bromofluorobenzene
Concen: 9.919 ug/l
RT: 10.005 min Scan# 2788
Delta R.T. 0.006 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 95 Resp: 100349

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	153.6
176	72.5	0.0	146.0



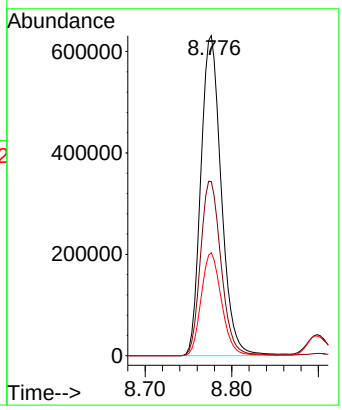


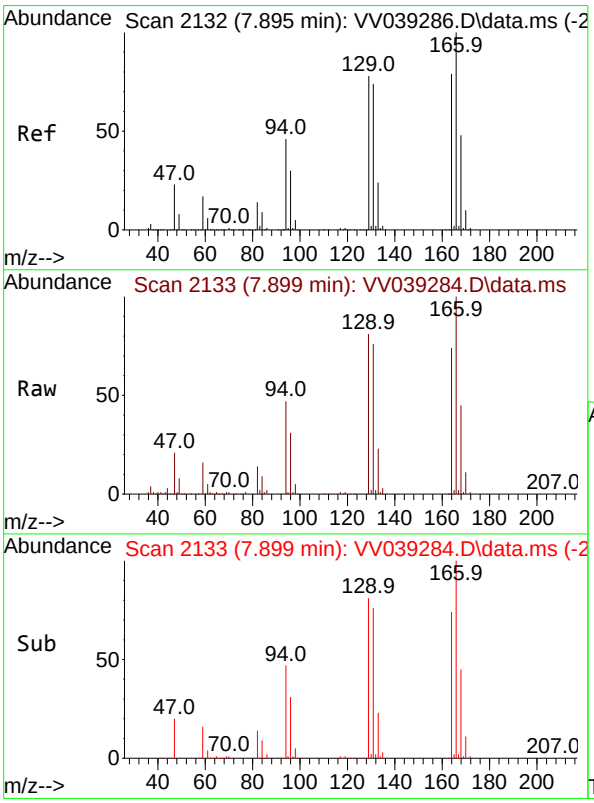
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 1034430

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.8
119	32.1	25.8	38.6

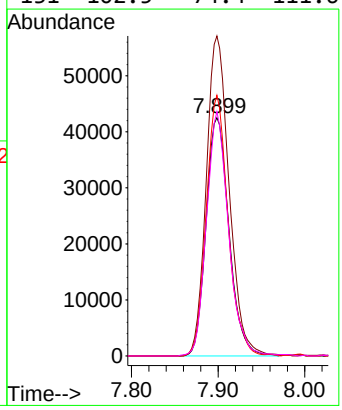


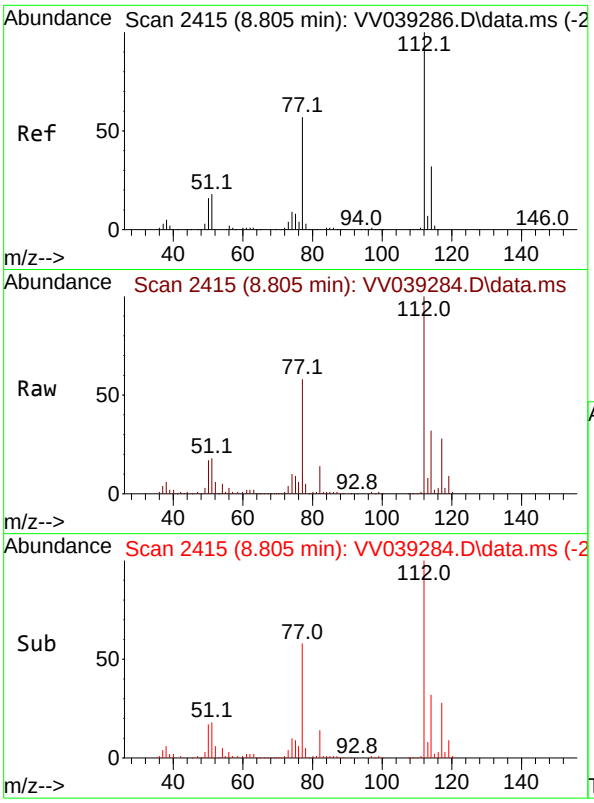


#64
Tetrachloroethene
Concen: 10.351 ug/l
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:164 Resp: 78107

Ion	Ratio	Lower	Upper
164	100		
166	134.3	101.0	151.6
129	109.3	79.0	118.6
131	102.5	74.4	111.6



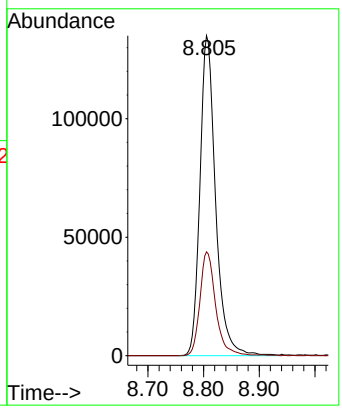


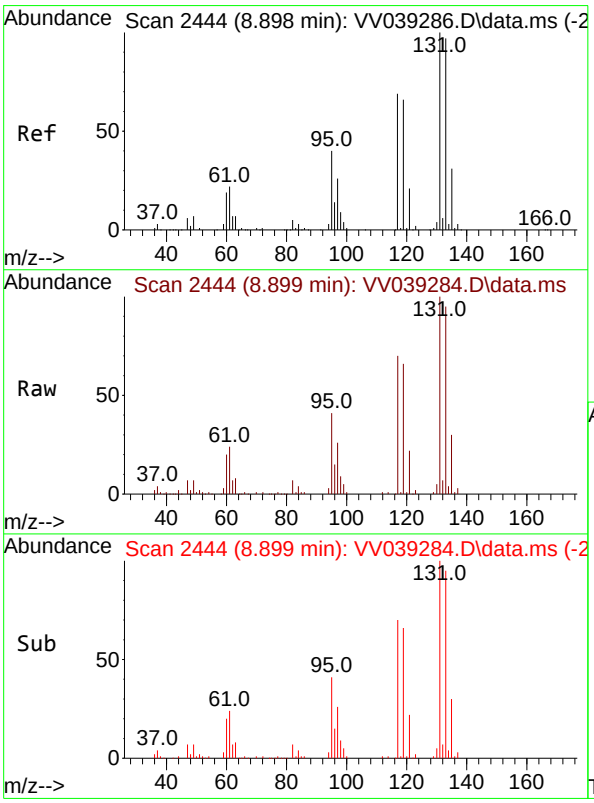
#65
Chlorobenzene
Concen: 10.781 ug/l
RT: 8.805 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 264008

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.7	38.5

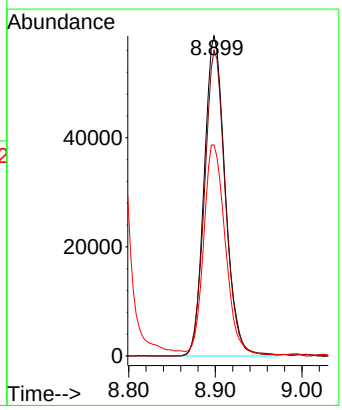


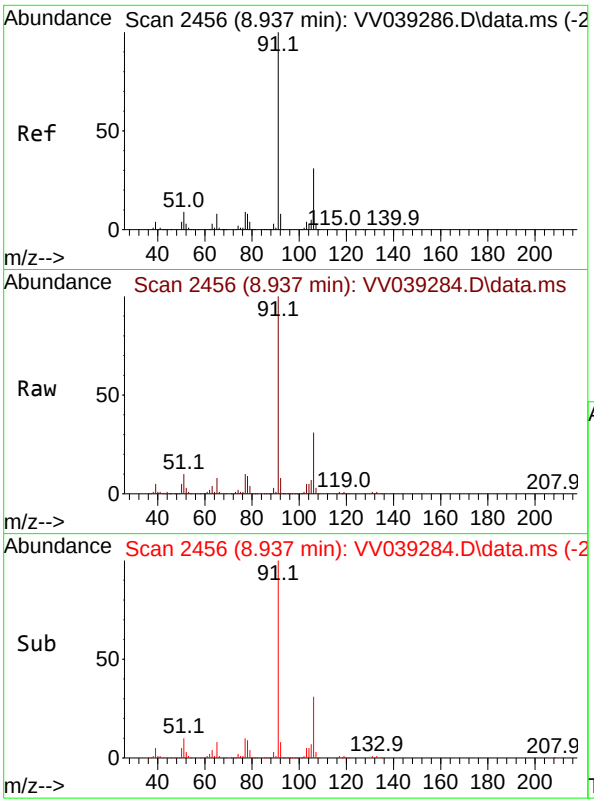


#66
1,1,1,2-Tetrachloroethane
Concen: 10.802 ug/l
RT: 8.899 min Scan# 2444
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:131 Resp: 99081

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.8	143.3
119	66.7	32.7	98.1



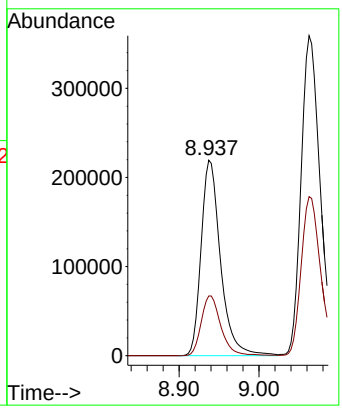


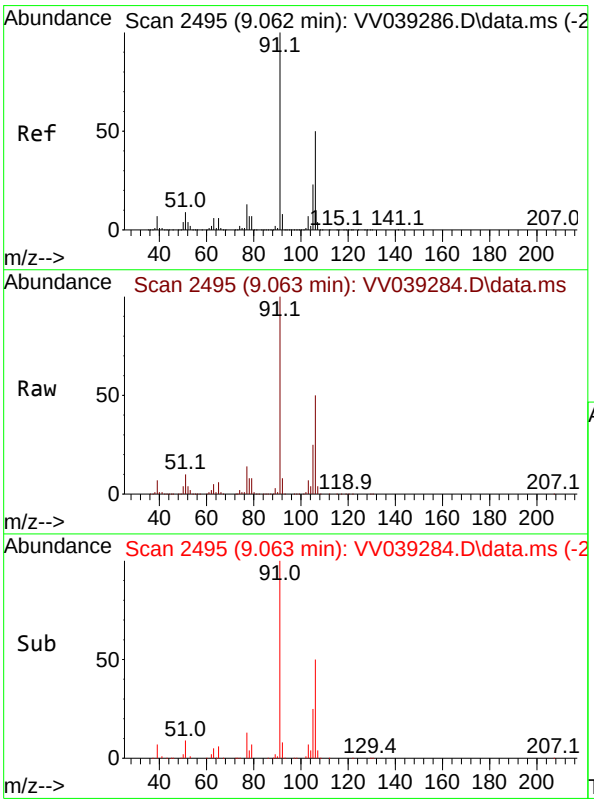
#67
Ethyl Benzene
Concen: 10.314 ug/l
RT: 8.937 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 372030

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	37.0

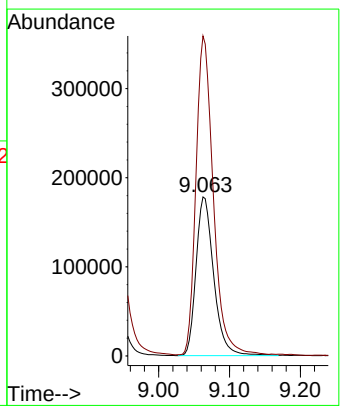


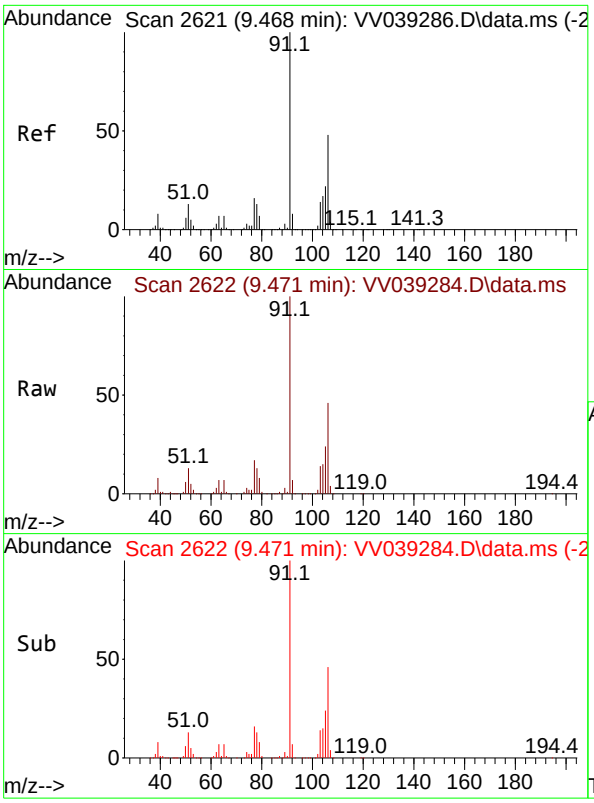


#68
m/p-Xylenes
Concen: 21.615 ug/l
RT: 9.063 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:106 Resp: 309238

Ion	Ratio	Lower	Upper
106	100		
91	195.9	160.2	240.2



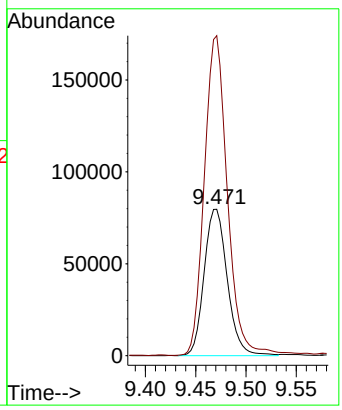


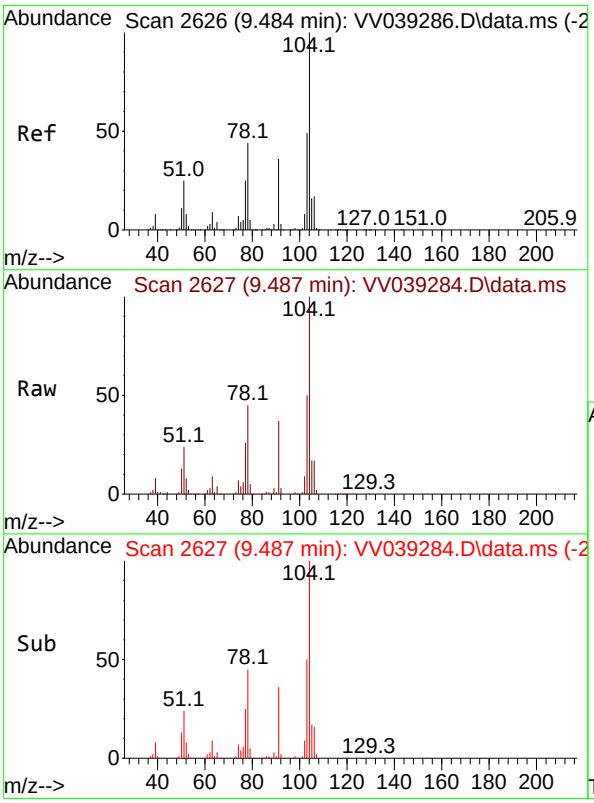
#69
o-Xylene
Concen: 10.118 ug/l
RT: 9.471 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 127839

Ion	Ratio	Lower	Upper
106	100		
91	217.2	105.8	317.3

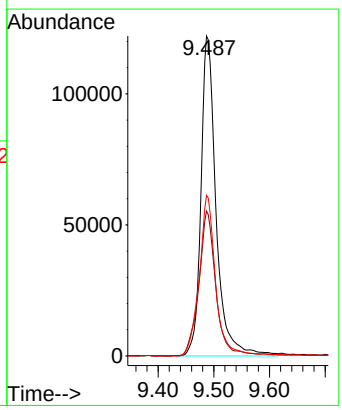


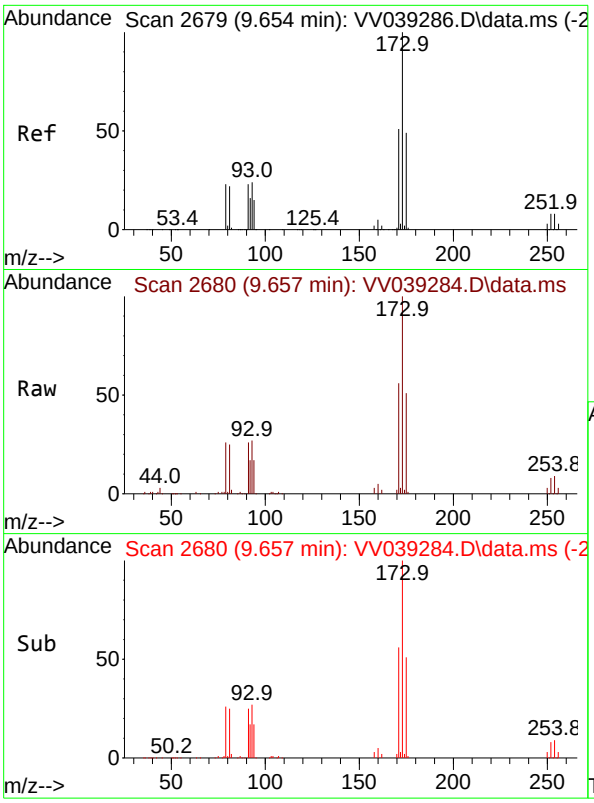


#70
Styrene
Concen: 10.282 ug/l
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:104 Resp: 231149

Ion	Ratio	Lower	Upper
104	100		
78	50.3	38.9	58.3
103	54.5	42.9	64.3



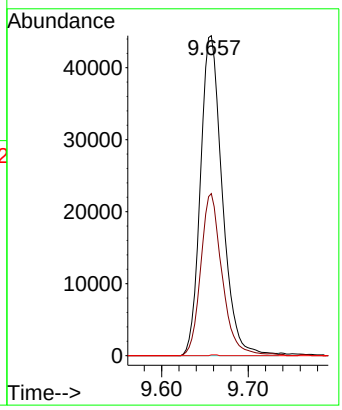


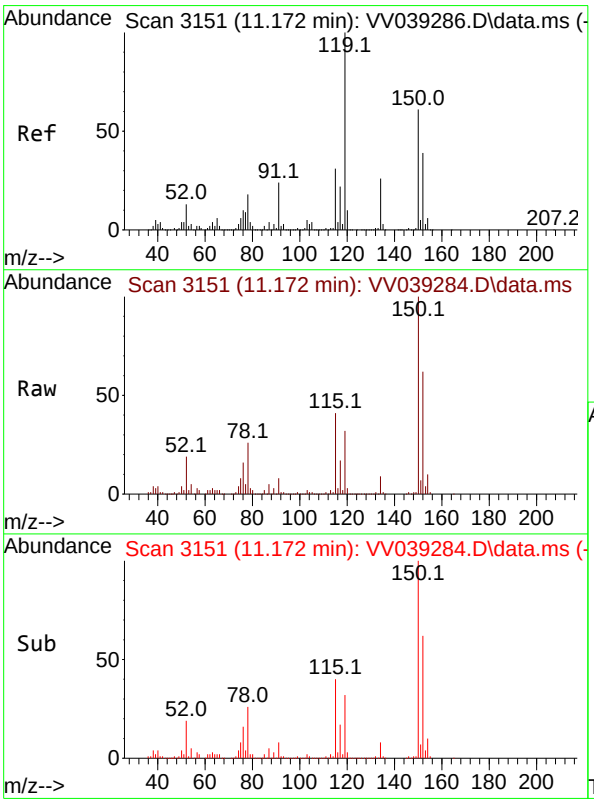
#71
Bromoform
Concen: 10.511 ug/l
RT: 9.657 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 77970

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	73.6
254	0.1	0.2	0.2#

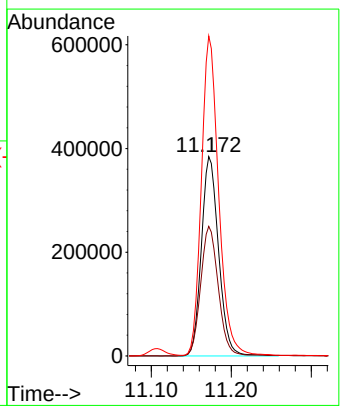


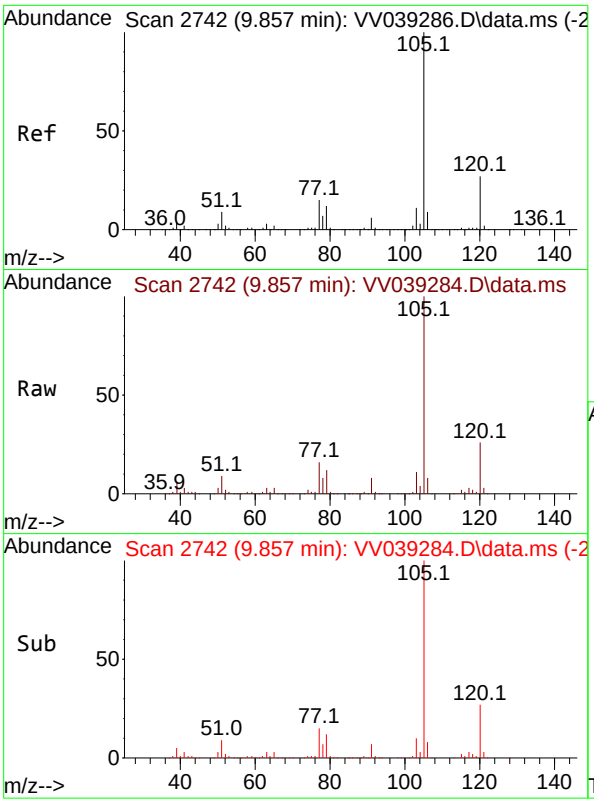


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:152 Resp: 576425

Ion	Ratio	Lower	Upper
152	100		
115	66.4	42.3	126.8
150	160.8	0.0	348.0



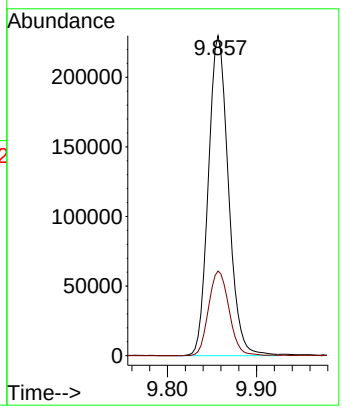


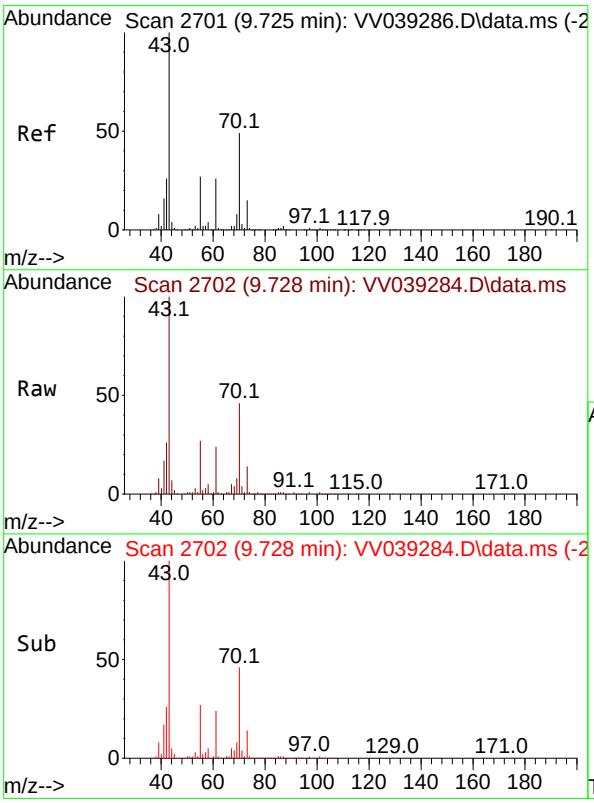
#73
Isopropylbenzene
Concen: 10.273 ug/l
RT: 9.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 359579

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.5

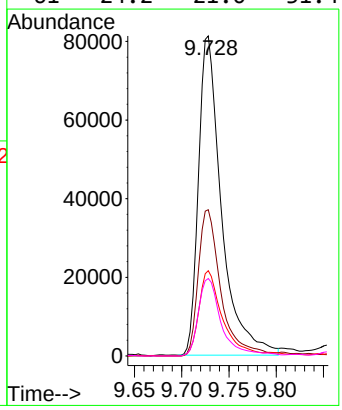


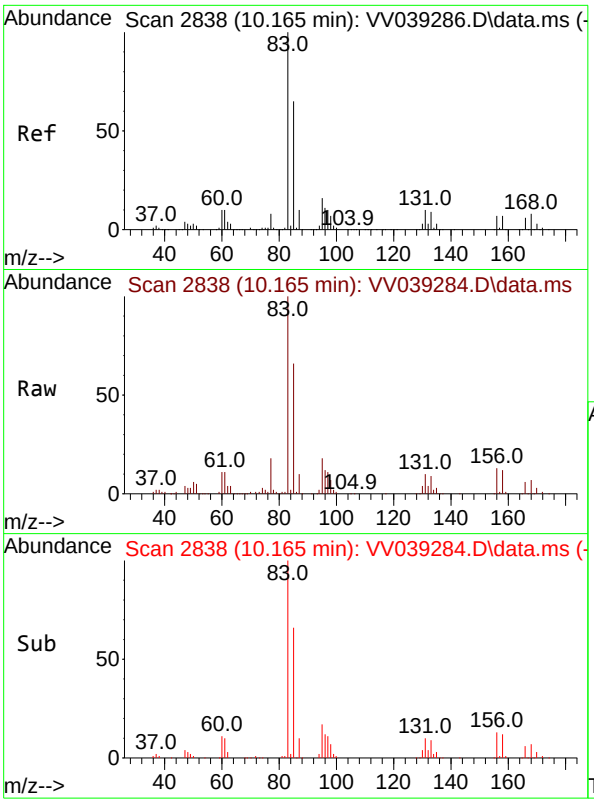


#74
N-amyl acetate
Concen: 9.479 ug/l
RT: 9.728 min Scan# 2702
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 43 Resp: 137734

Ion	Ratio	Lower	Upper
43	100		
70	44.9	38.6	58.0
55	27.0	21.9	32.9
61	24.2	21.0	31.4



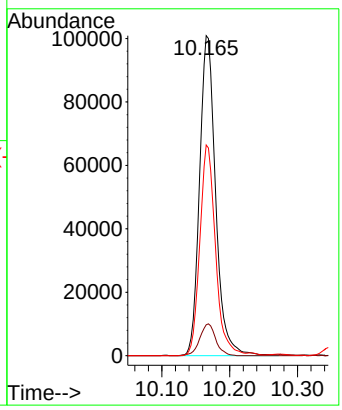


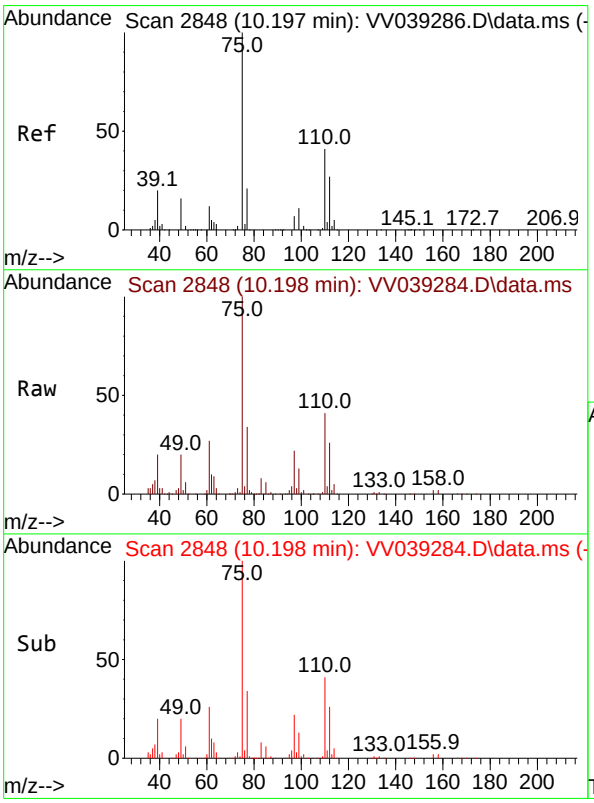
#75
1,1,2,2-Tetrachloroethane
Concen: 10.359 ug/l
RT: 10.165 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 166524

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	64.0	32.4	97.2

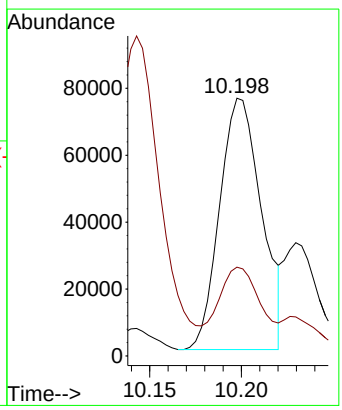


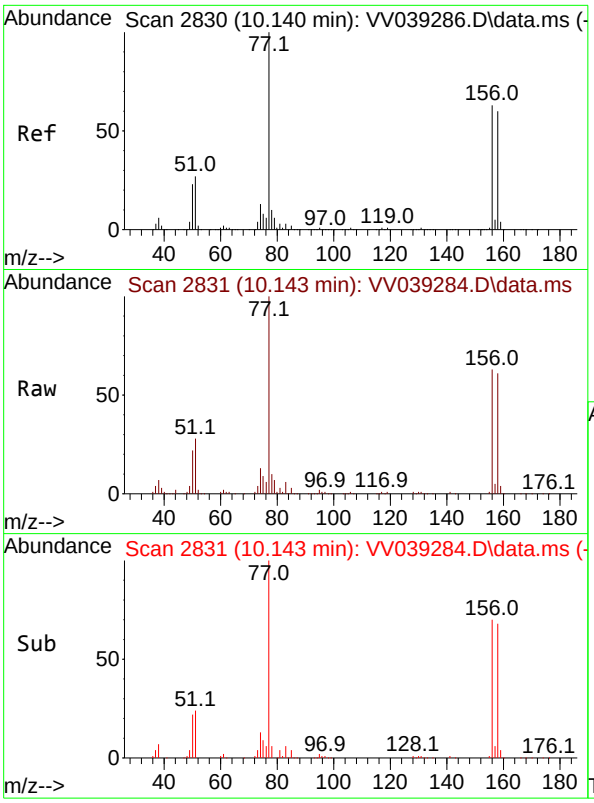


#76
1,2,3-Trichloropropane
Concen: 10.395 ug/l
RT: 10.198 min Scan# 2848
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 75 Resp: 119595

Ion	Ratio	Lower	Upper
75	100		
77	20.9	12.2	36.4



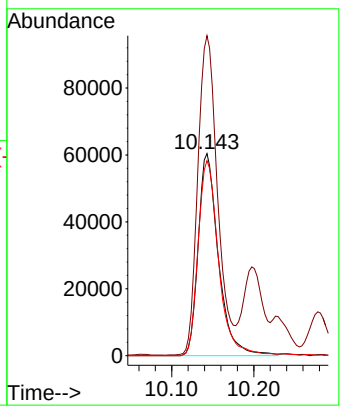


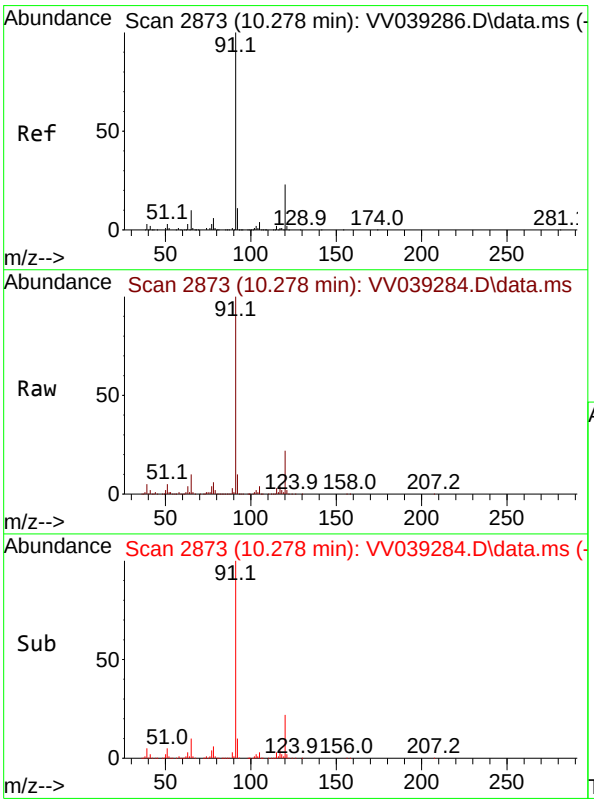
#77
Bromobenzene
Concen: 10.744 ug/l
RT: 10.143 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 103385

Ion	Ratio	Lower	Upper
156	100		
77	154.6	78.4	235.2
158	98.1	47.7	143.1

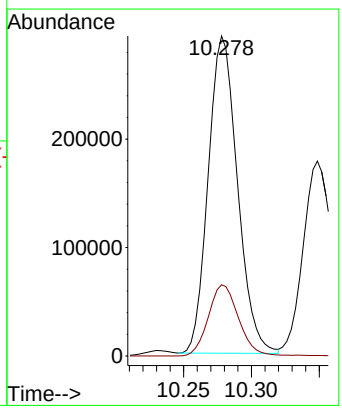


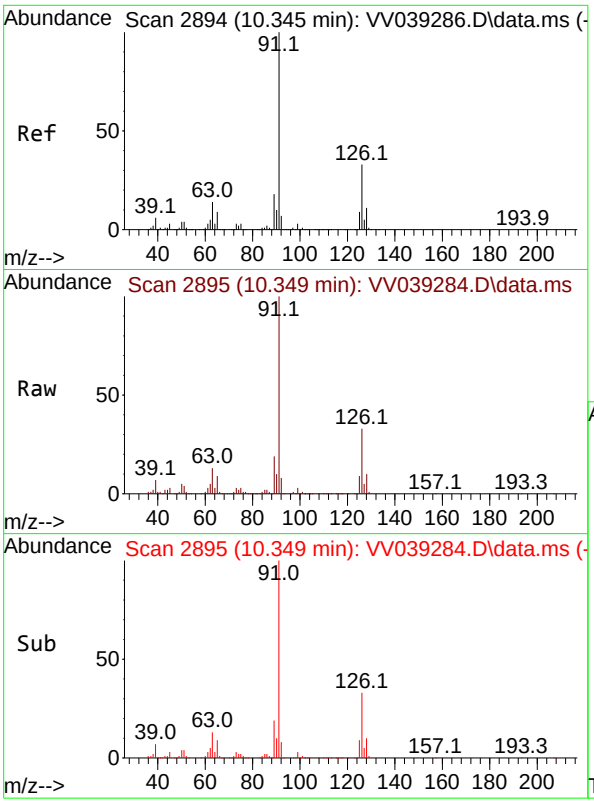


#78
n-propylbenzene
Concen: 10.344 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 91 Resp: 439318

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5



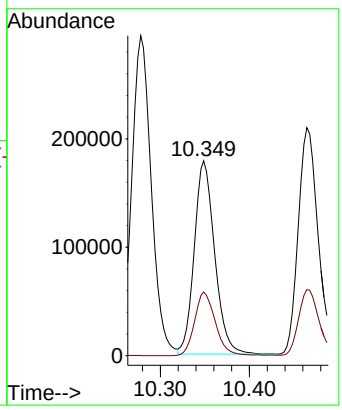


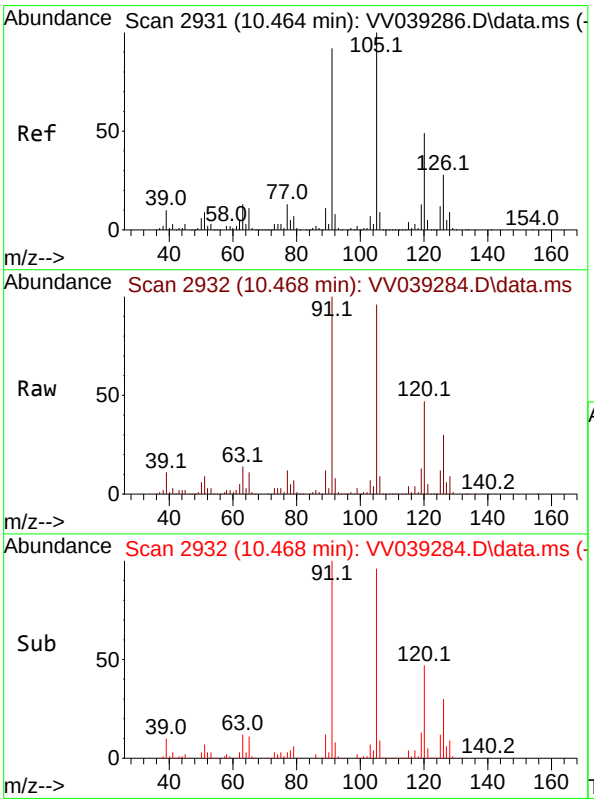
#79
2-Chlorotoluene
Concen: 10.817 ug/l
RT: 10.349 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 283648

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.9	50.6

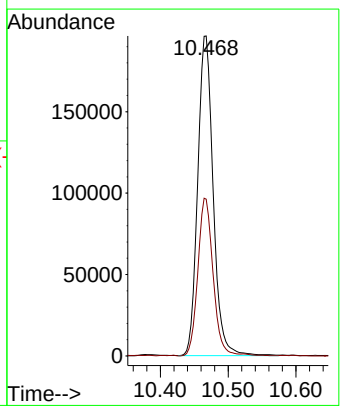


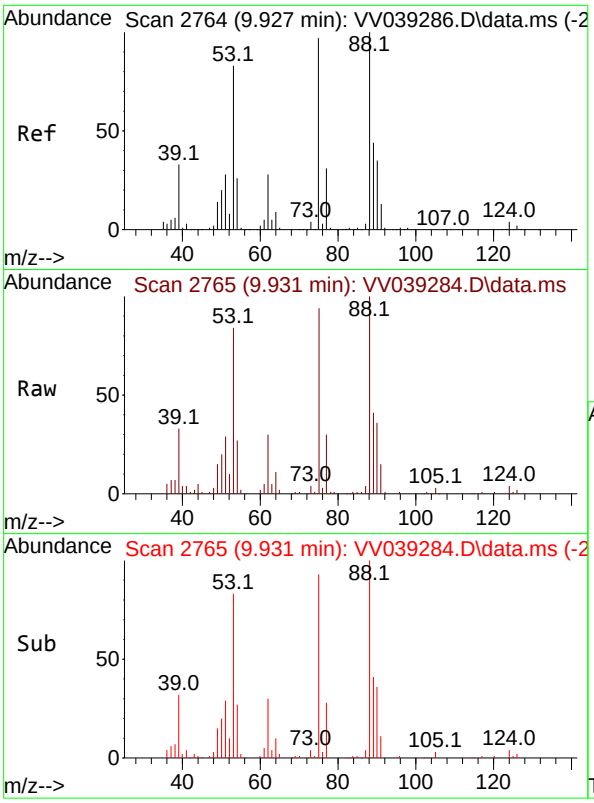


#80
1,3,5-Trimethylbenzene
Concen: 10.584 ug/l
RT: 10.468 min Scan# 2932
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:105 Resp: 310730

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.3	73.0



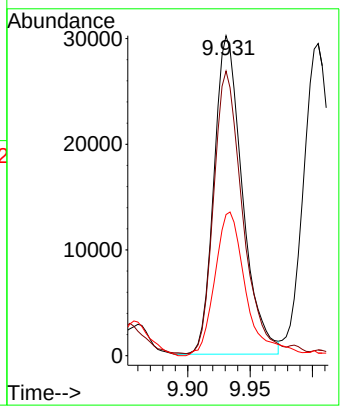


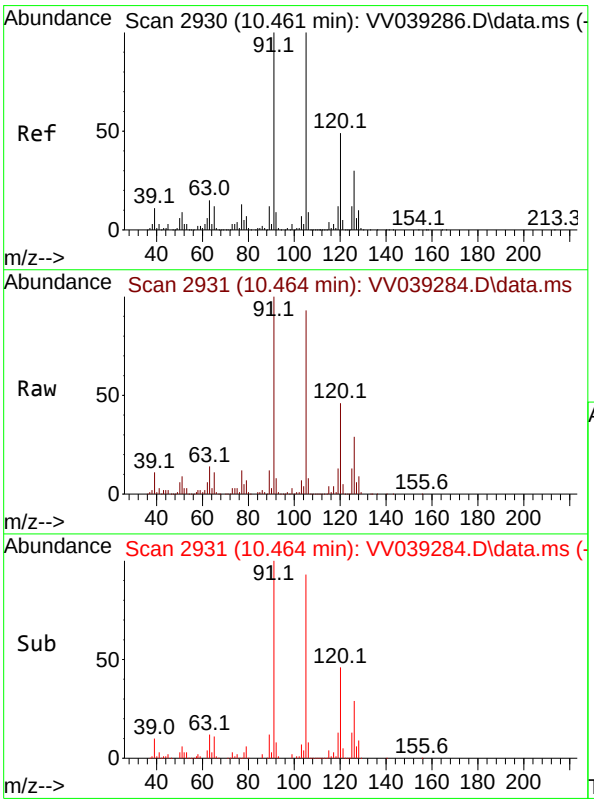
#81
trans-1,4-Dichloro-2-butene
Concen: 10.489 ug/l
RT: 9.931 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 47784

Ion	Ratio	Lower	Upper
75	100		
53	89.5	69.9	104.9
89	49.3	37.4	56.0

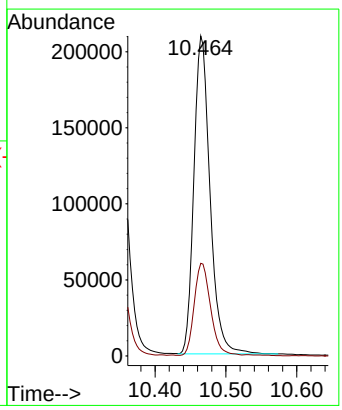


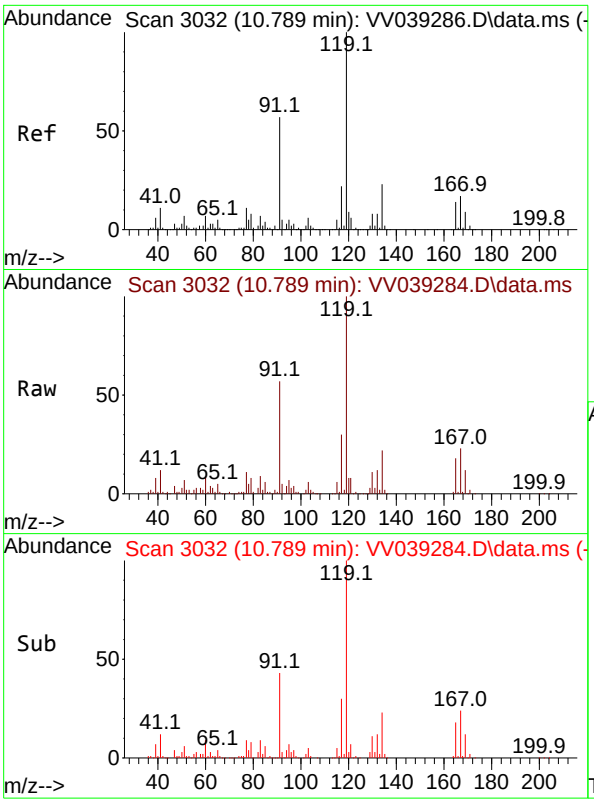


#82
4-Chlorotoluene
Concen: 10.987 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 91 Resp: 331140

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.8	44.4



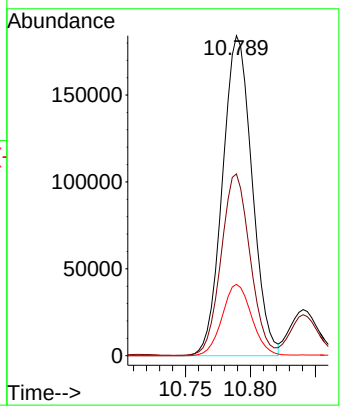


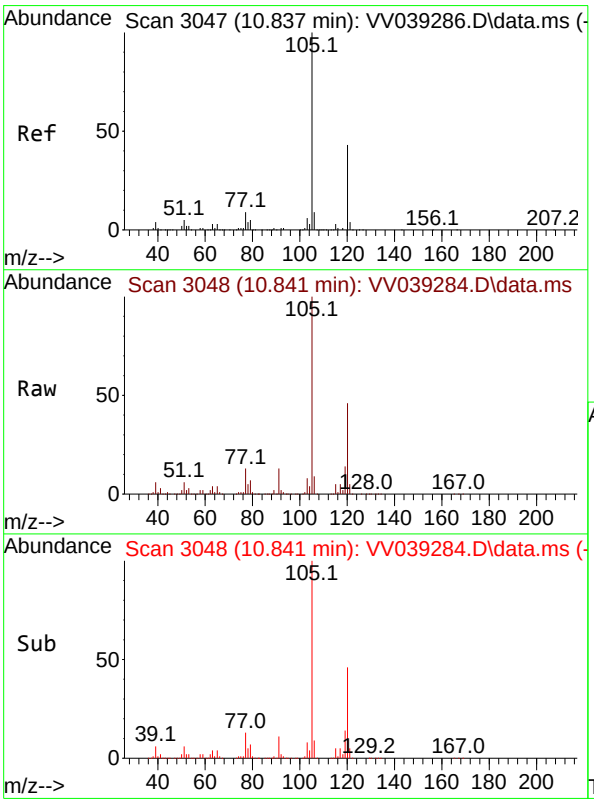
#83
tert-Butylbenzene
Concen: 10.002 ug/l
RT: 10.789 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 291566

Ion	Ratio	Lower	Upper
119	100		
91	55.5	28.2	84.7
134	22.3	11.5	34.4

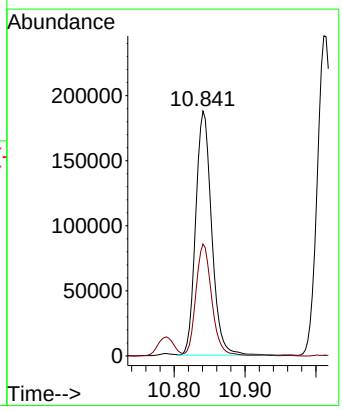


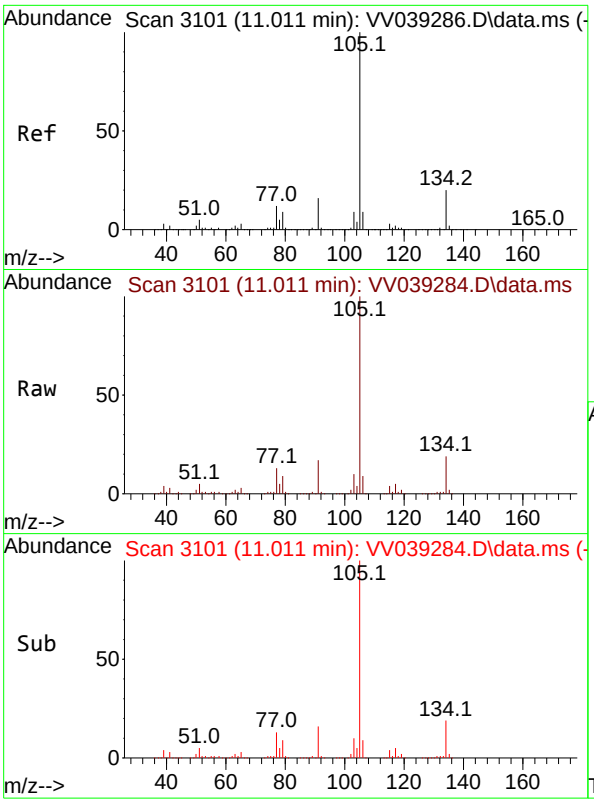


#84
1,2,4-Trimethylbenzene
Concen: 10.183 ug/l
RT: 10.841 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:105 Resp: 294286

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.4



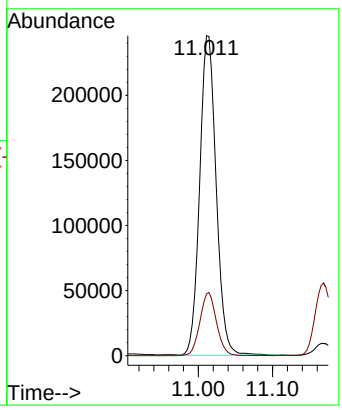


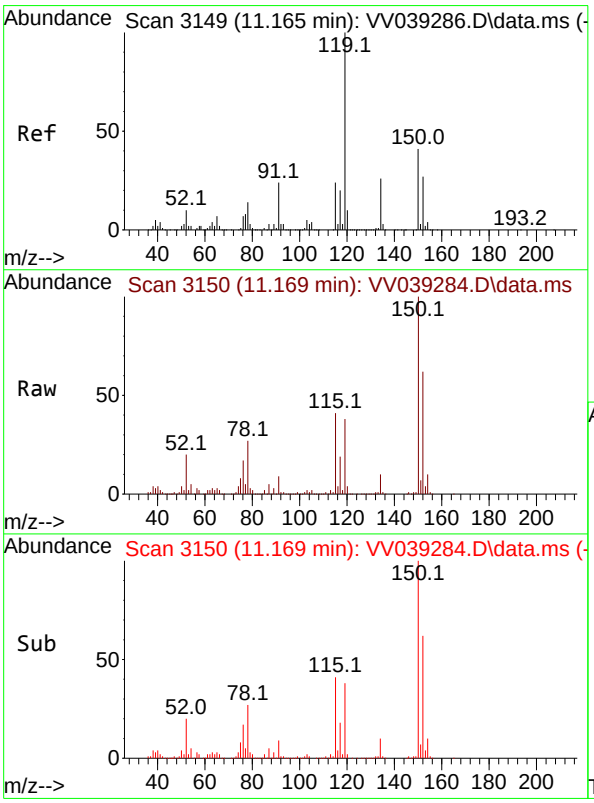
#85
sec-Butylbenzene
Concen: 10.260 ug/l
RT: 11.011 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 378164

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

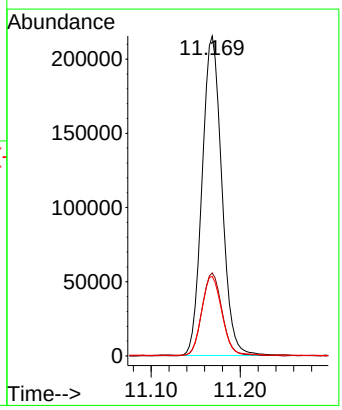


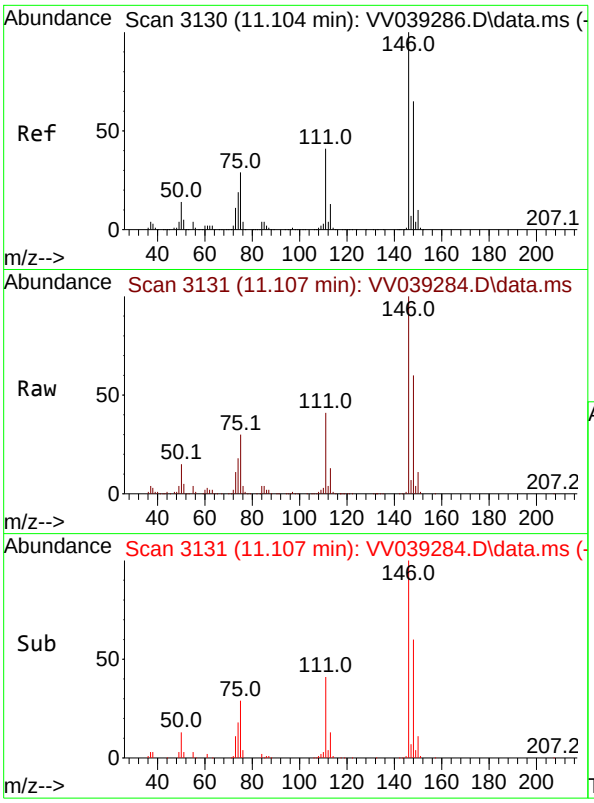


#86
p-Isopropyltoluene
Concen: 10.400 ug/l
RT: 11.169 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:119 Resp: 329566

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.6
91	25.3	12.2	36.4



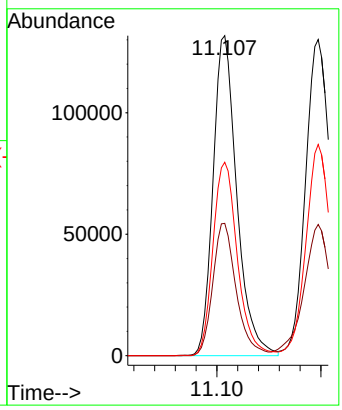


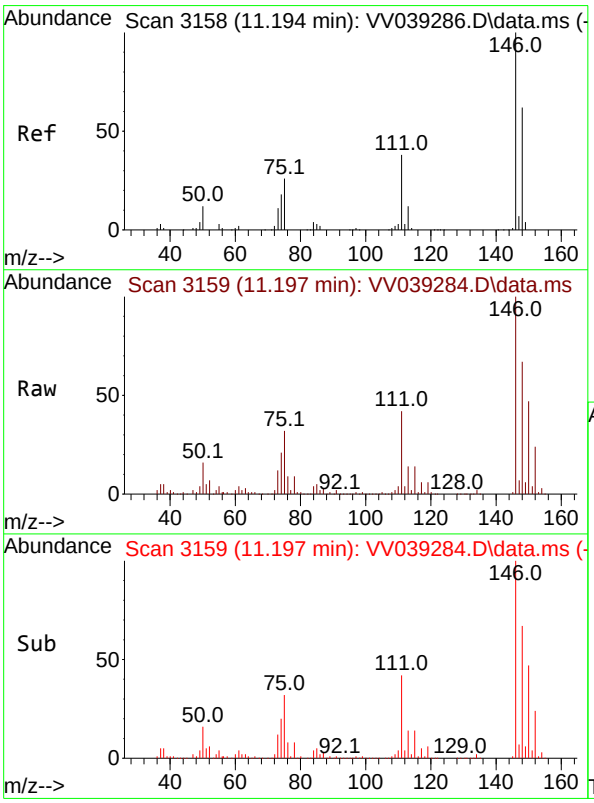
#87
1,3-Dichlorobenzene
Concen: 10.912 ug/l
RT: 11.107 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 209425

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	62.3	31.9	95.9

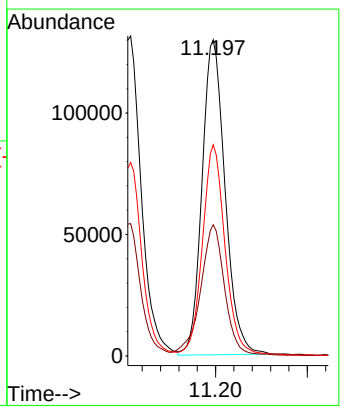


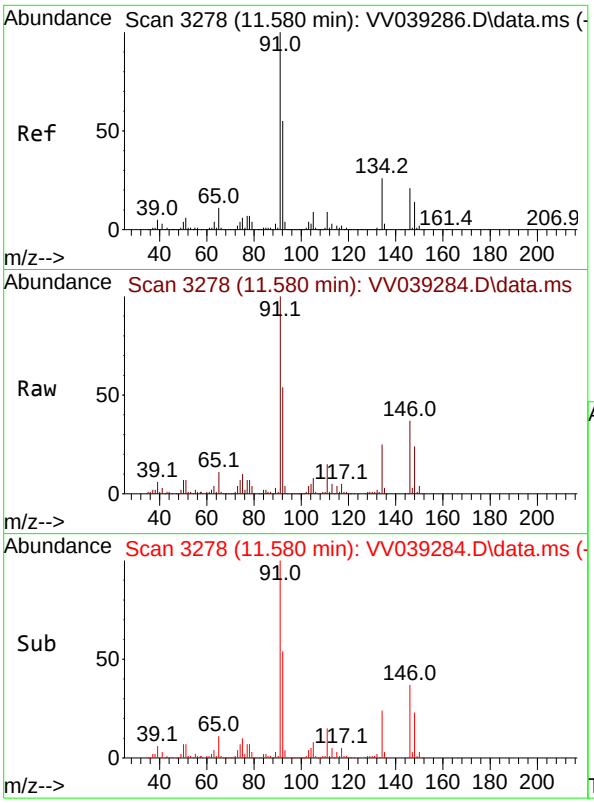


#88
1,4-Dichlorobenzene
Concen: 10.453 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:146 Resp: 226149

Ion	Ratio	Lower	Upper
146	100		
111	43.5	19.7	59.0
148	66.6	31.5	94.5



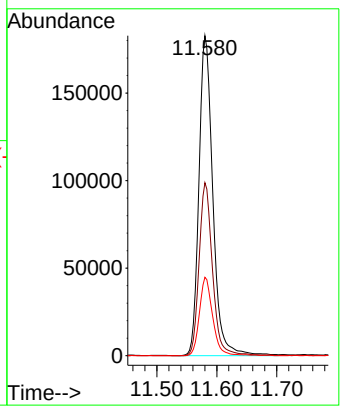


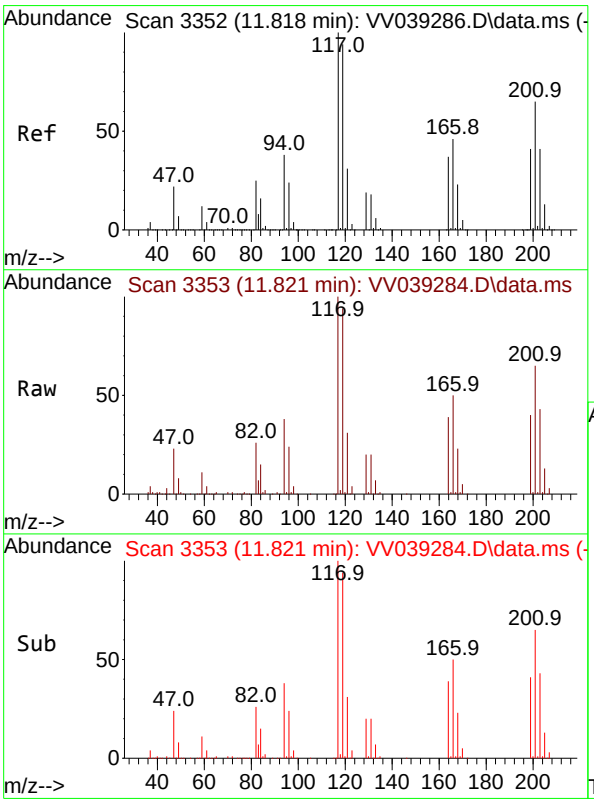
#89
n-Butylbenzene
Concen: 10.036 ug/l
RT: 11.580 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 296155

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.6
134	23.4	12.6	37.8

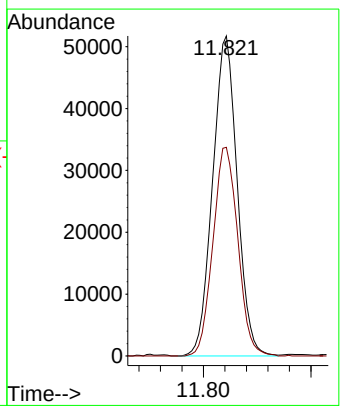


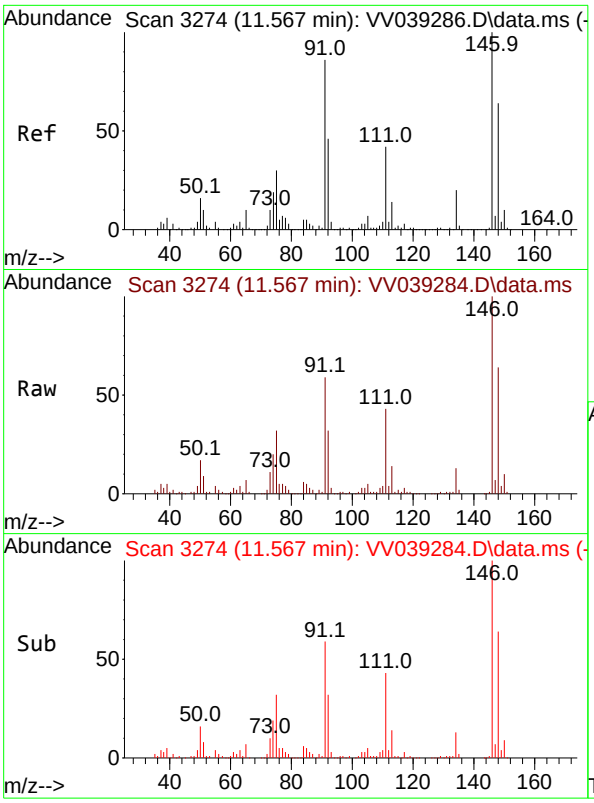


#90
Hexachloroethane
Concen: 10.467 ug/l
RT: 11.821 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:117 Resp: 82020

Ion	Ratio	Lower	Upper
117	100		
201	66.1	33.7	101.1



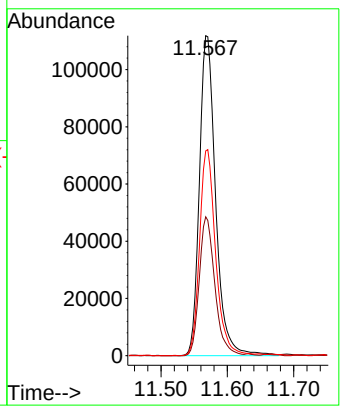


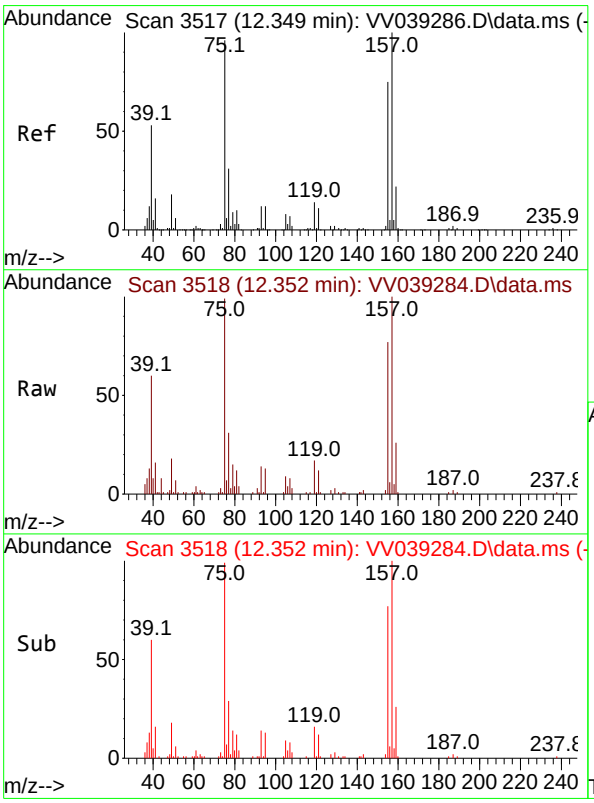
#91
1,2-Dichlorobenzene
Concen: 10.430 ug/l
RT: 11.567 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 190419

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	64.0
148	63.9	31.9	95.7

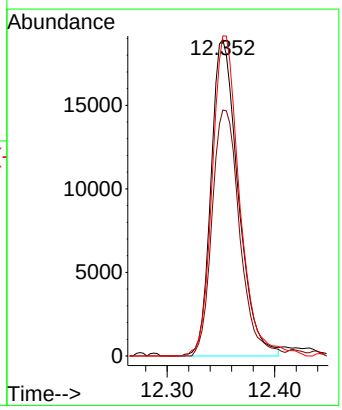


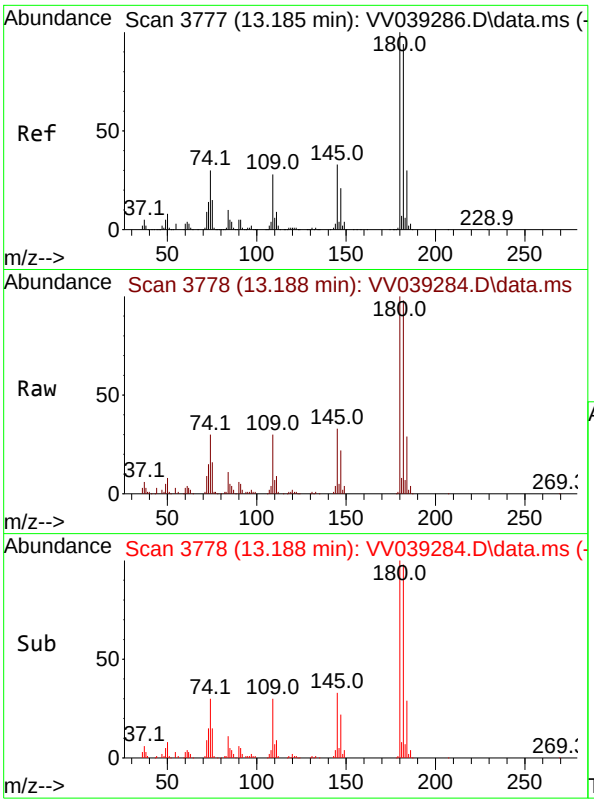


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.038 ug/l
RT: 12.352 min Scan# 3518
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion: 75 Resp: 33178

Ion	Ratio	Lower	Upper
75	100		
155	79.2	40.8	122.5
157	102.0	53.3	160.0



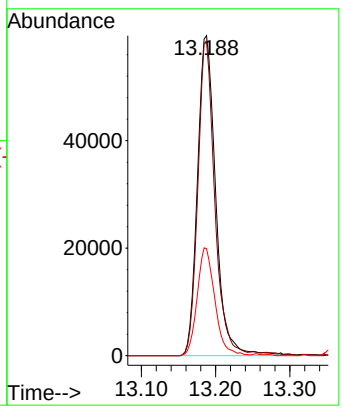


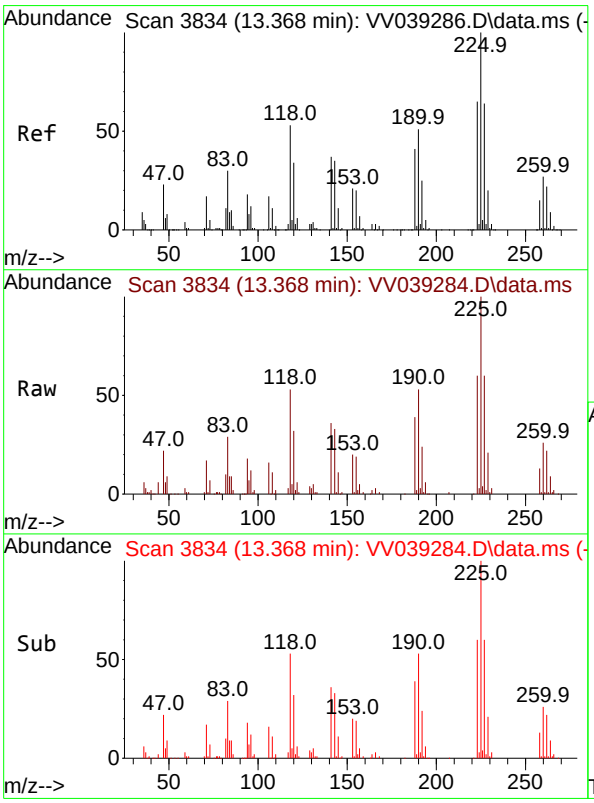
#93
1,2,4-Trichlorobenzene
Concen: 9.961 ug/l
RT: 13.188 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 101434

Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.3	141.9
145	32.9	16.3	48.9

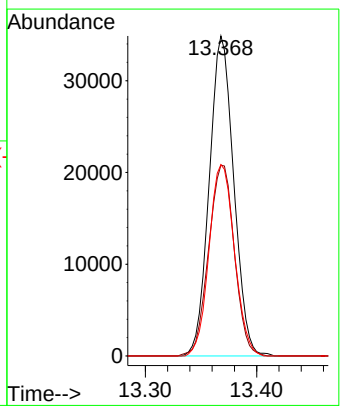


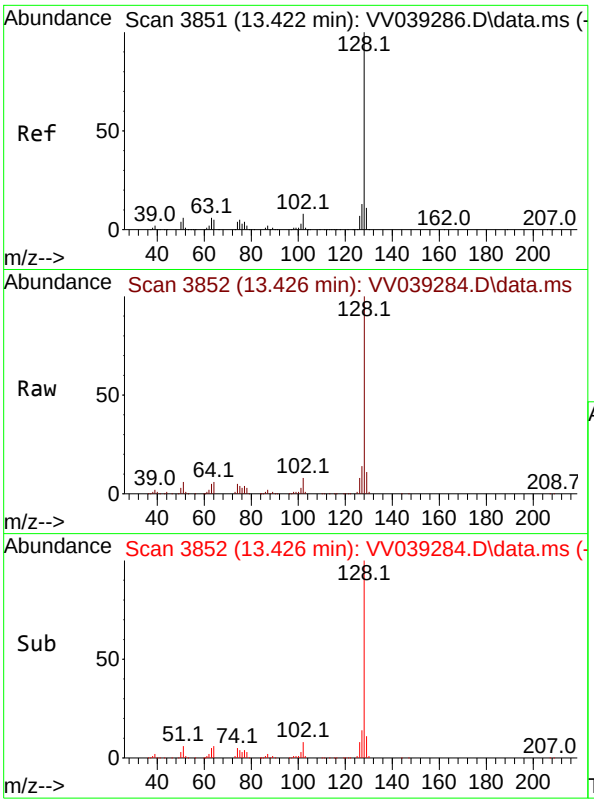


#94
Hexachlorobutadiene
Concen: 10.328 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:225 Resp: 53255

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.8
227	61.8	31.7	95.1



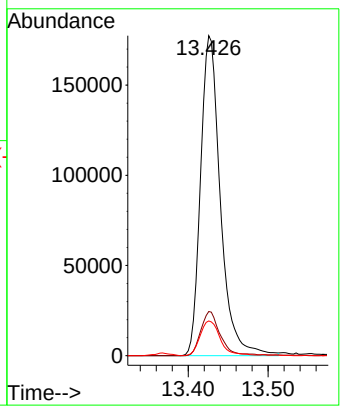


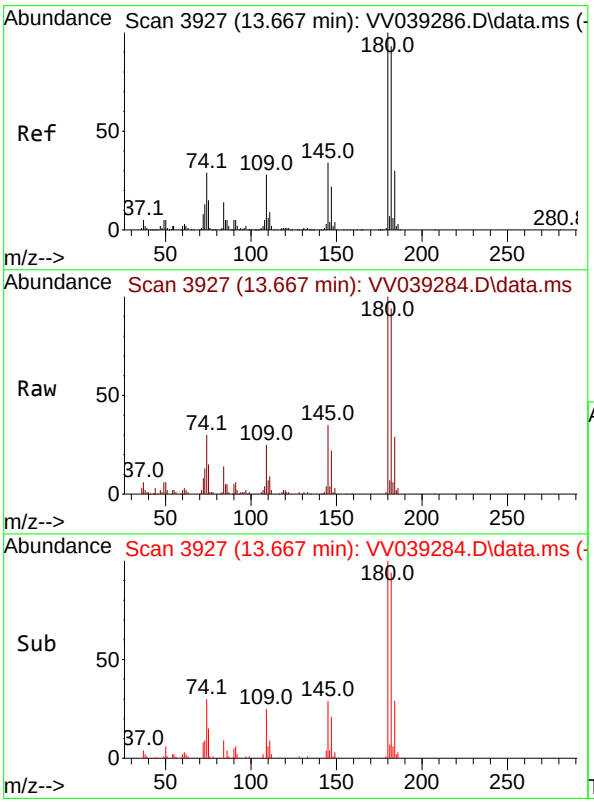
#95
Naphthalene
Concen: 9.193 ug/l
RT: 13.426 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 306685

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.0	8.6	12.8

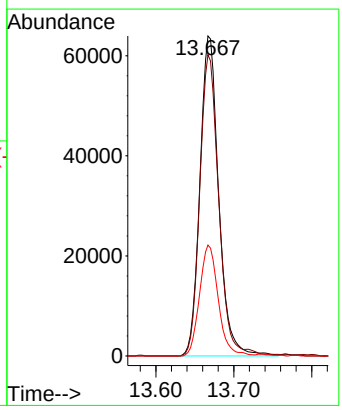




#96
1,2,3-Trichlorobenzene
Concen: 10.125 ug/l
RT: 13.667 min Scan# 3927
Delta R.T. 0.000 min
Lab File: VV039284.D
Acq: 07 Oct 2025 10:25

Tgt Ion:180 Resp: 107157

Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.7	140.1
145	34.5	17.2	51.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039285.D
Acq On : 07 Oct 2025 10:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Oct 08 04:41:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	684929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1068943	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1038940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	599936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	207395	21.310	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	42.620%#		
35) Dibromofluoromethane	4.503	113	182463	21.664	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	43.320%#		
50) Toluene-d8	7.236	98	637652	22.254	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	44.500%#		
62) 4-Bromofluorobenzene	10.001	95	221880	21.743	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	43.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	177392	20.491	ug/l	99
3) Chloromethane	1.230	50	172228	19.109	ug/l	100
4) Vinyl Chloride	1.298	62	197329	19.191	ug/l	99
5) Bromomethane	1.497	94	130902	19.621	ug/l	98
6) Chloroethane	1.561	64	128639	21.373	ug/l	99
7) Trichlorofluoromethane	1.725	101	300006	19.099	ug/l	100
8) Diethyl Ether	1.918	74	104544	18.417	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	179412	19.074	ug/l	99
10) Methyl Iodide	2.198	142	162986	20.112	ug/l	98
11) Tert butyl alcohol	2.568	59	190075	100.776	ug/l	100
12) 1,1-Dichloroethene	2.082	96	174487	18.893	ug/l	96
13) Acrolein	2.008	56	116044	102.299	ug/l	100
14) Allyl chloride	2.359	41	274531	18.752	ug/l	100
15) Acrylonitrile	2.674	53	520229	93.008	ug/l	100
16) Acetone	2.121	43	486776	101.524	ug/l	98
17) Carbon Disulfide	2.253	76	479754	18.391	ug/l	100
18) Methyl Acetate	2.381	43	254273	20.162	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	526786	18.951	ug/l	99
20) Methylene Chloride	2.458	84	195948	21.419	ug/l	96
21) trans-1,2-Dichloroethene	2.703	96	179212	18.430	ug/l	98
22) Diisopropyl ether	3.217	45	519314	19.757	ug/l	89
23) Vinyl Acetate	3.191	43	2249046	97.463	ug/l	100
24) 1,1-Dichloroethane	3.118	63	327296	18.586	ug/l	99
25) 2-Butanone	3.870	43	606140	102.132	ug/l	99
26) 2,2-Dichloropropane	3.812	77	264468	18.646	ug/l	99
27) cis-1,2-Dichloroethene	3.822	96	180096	18.498	ug/l	96
28) Bromochloromethane	4.146	49	153641	19.964	ug/l	98
29) Tetrahydrofuran	4.240	42	383152	100.710	ug/l	97
30) Chloroform	4.278	83	342239	19.058	ug/l	98
31) Cyclohexane	4.584	56	248657	19.387	ug/l	97
32) 1,1,1-Trichloroethane	4.516	97	297779	18.965	ug/l	99
36) 1,1-Dichloropropene	4.748	75	207722	19.636	ug/l	100
37) Ethyl Acetate	3.979	43	237243	19.219	ug/l	96
38) Carbon Tetrachloride	4.735	117	255516	19.056	ug/l	100
39) Methylcyclohexane	6.050	83	229452	18.978	ug/l	98
40) Benzene	5.011	78	678777	19.996	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039285.D
Acq On : 07 Oct 2025 10:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Oct 08 04:41:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.166	41	95028	19.025	ug/l		95
42) 1,2-Dichloroethane	5.043	62	229561	19.269	ug/l		99
43) Isopropyl Acetate	5.198	43	331186	19.633	ug/l		99
44) Trichloroethene	5.834	130	168843	19.779	ug/l		96
45) 1,2-Dichloropropane	6.092	63	164657	19.934	ug/l		100
46) Dibromomethane	6.227	93	133300	19.307	ug/l		100
47) Bromodichloromethane	6.426	83	266348	19.579	ug/l		100
48) Methyl methacrylate	6.301	41	143078	19.048	ug/l		99
49) 1,4-Dioxane	6.294	88	58694	469.721	ug/l		94
51) 4-Methyl-2-Pentanone	7.149	43	1211982	107.743	ug/l		99
52) Toluene	7.310	92	427535	20.859	ug/l		100
53) t-1,3-Dichloropropene	7.577	75	237681	19.991	ug/l		99
54) cis-1,3-Dichloropropene	6.950	75	268074	20.281	ug/l		98
55) 1,1,2-Trichloroethane	7.764	97	182850	19.757	ug/l		98
56) Ethyl methacrylate	7.719	69	209723	20.297	ug/l		99
57) 1,3-Dichloropropane	7.934	76	284148	20.346	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.815	63	589392	98.113	ug/l		100
59) 2-Hexanone	8.066	43	908449	110.005	ug/l		96
60) Dibromochloromethane	8.169	129	212222	19.612	ug/l		98
61) 1,2-Dibromoethane	8.275	107	192471	19.973	ug/l		100
64) Tetrachloroethene	7.899	164	153650	20.274	ug/l		97
65) Chlorobenzene	8.805	112	475825	19.346	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.899	131	175260	19.024	ug/l		100
67) Ethyl Benzene	8.937	91	718792	19.840	ug/l		97
68) m/p-Xylenes	9.063	106	609583	42.423	ug/l		99
69) o-Xylene	9.468	106	253402	19.969	ug/l		97
70) Styrene	9.487	104	486311	21.538	ug/l		99
71) Bromoform	9.654	173	147076	19.741	ug/l	#	100
73) Isopropylbenzene	9.857	105	731989	20.093	ug/l		100
74) N-amyl acetate	9.725	43	285451	18.876	ug/l		96
75) 1,1,2,2-Tetrachloroethane	10.165	83	302311	18.070	ug/l		98
76) 1,2,3-Trichloropropane	10.198	75	216610	18.090	ug/l		99
77) Bromobenzene	10.140	156	194095	19.381	ug/l		98
78) n-propylbenzene	10.278	91	887506	20.077	ug/l		100
79) 2-Chlorotoluene	10.349	91	559619	20.505	ug/l		99
80) 1,3,5-Trimethylbenzene	10.464	105	632709	20.708	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.931	75	92057	19.416	ug/l		99
82) 4-Chlorotoluene	10.464	91	650385	20.733	ug/l		99
83) tert-Butylbenzene	10.789	119	582590	19.203	ug/l		99
84) 1,2,4-Trimethylbenzene	10.841	105	622532	20.697	ug/l		99
85) sec-Butylbenzene	11.011	105	765416	19.954	ug/l		100
86) p-Isopropyltoluene	11.165	119	666282	20.202	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	396003	19.824	ug/l		99
88) 1,4-Dichlorobenzene	11.198	146	424481	18.852	ug/l		99
89) n-Butylbenzene	11.580	91	601624	19.588	ug/l		98
90) Hexachloroethane	11.818	117	147765	18.119	ug/l		98
91) 1,2-Dichlorobenzene	11.567	146	359381	18.913	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	61887	17.990	ug/l		97
93) 1,2,4-Trichlorobenzene	13.185	180	201256	18.990	ug/l		98
94) Hexachlorobutadiene	13.368	225	99161	18.478	ug/l		99
95) Naphthalene	13.426	128	660463	19.021	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	211792	19.228	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039285.D
Acq On : 07 Oct 2025 10:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Oct 08 04:41:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

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

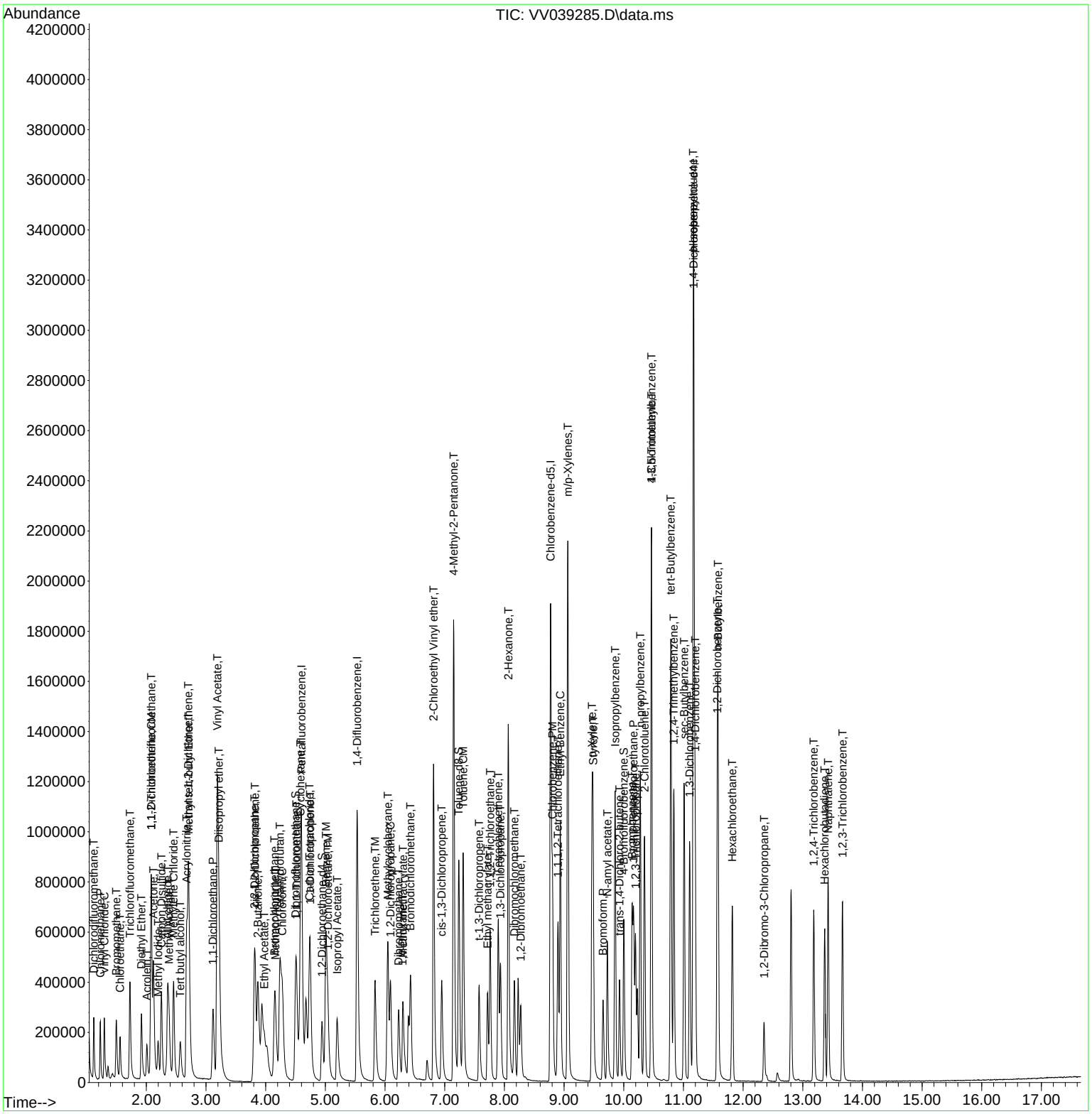
(#) = qualifier out of range (m) = manual integration (+) = signals summed

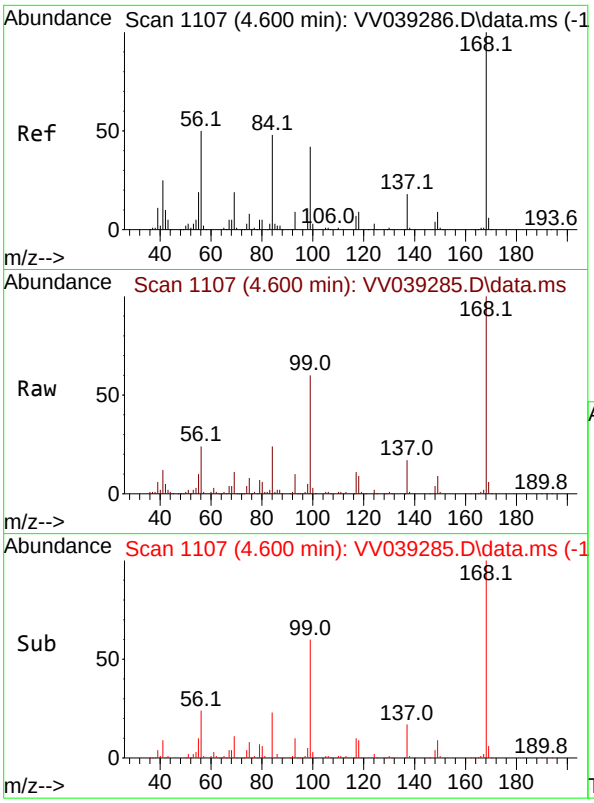
ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039285.D
Acq On : 07 Oct 2025 10:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Oct 08 04:41:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration



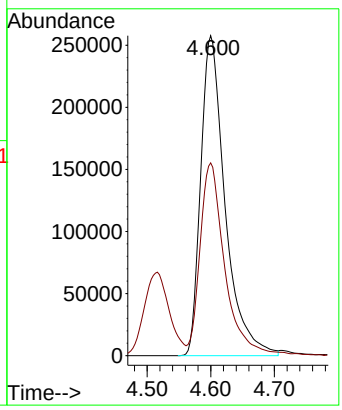


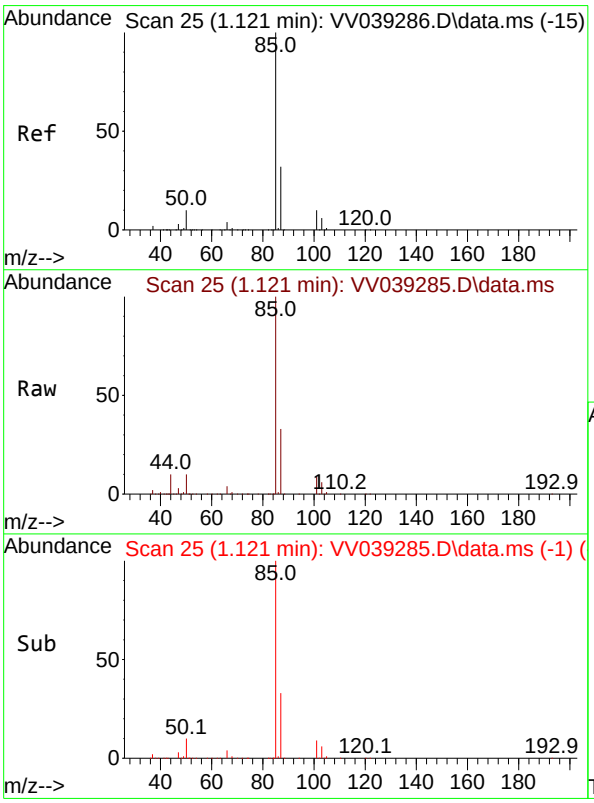
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 684929

Ion	Ratio	Lower	Upper
168	100		
99	59.1	46.6	70.0

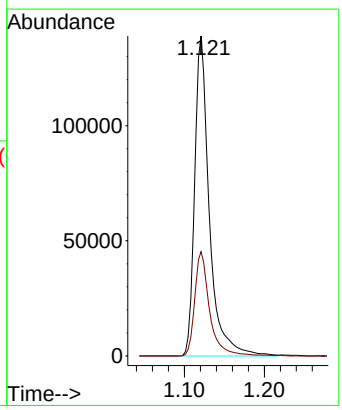


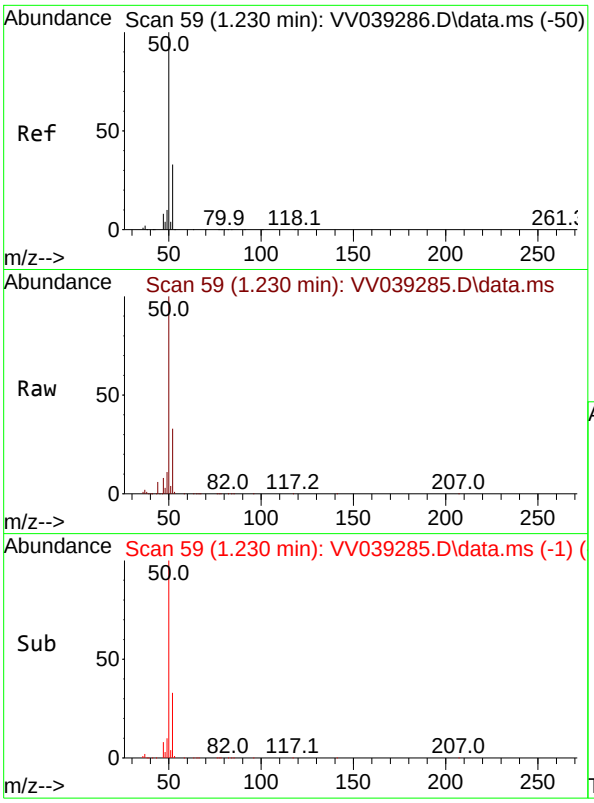


#2
Dichlorodifluoromethane
Concen: 20.491 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 85 Resp: 177392

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.1	48.2



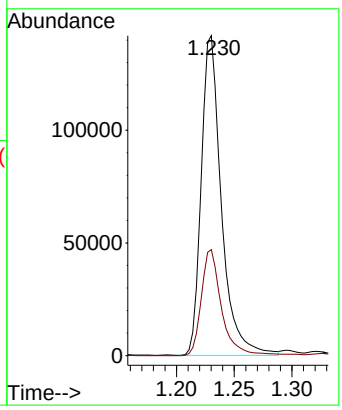


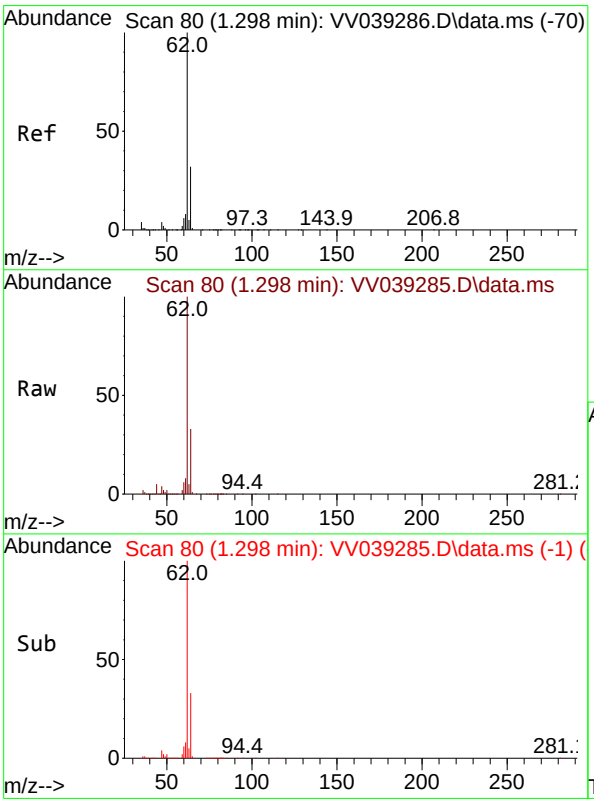
#3
Chloromethane
Concen: 19.109 ug/l
RT: 1.230 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 172228

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.6	39.8

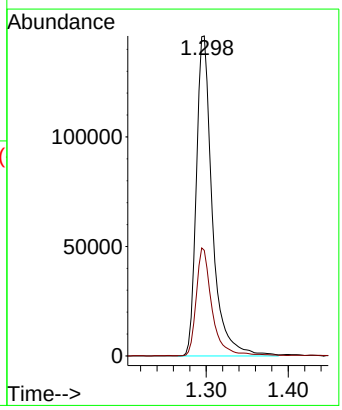


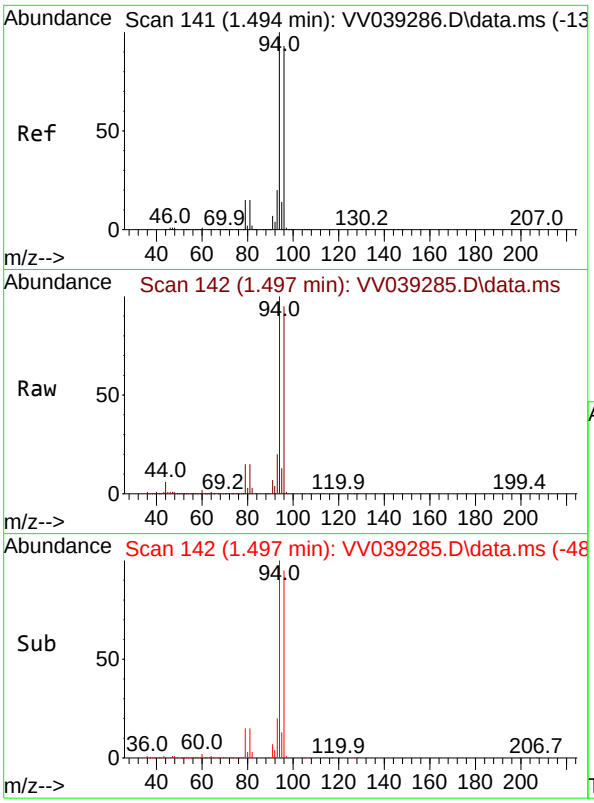


#4
Vinyl Chloride
Concen: 19.191 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 62 Resp: 197329

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.8	38.6



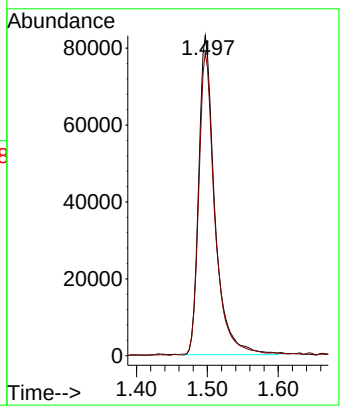


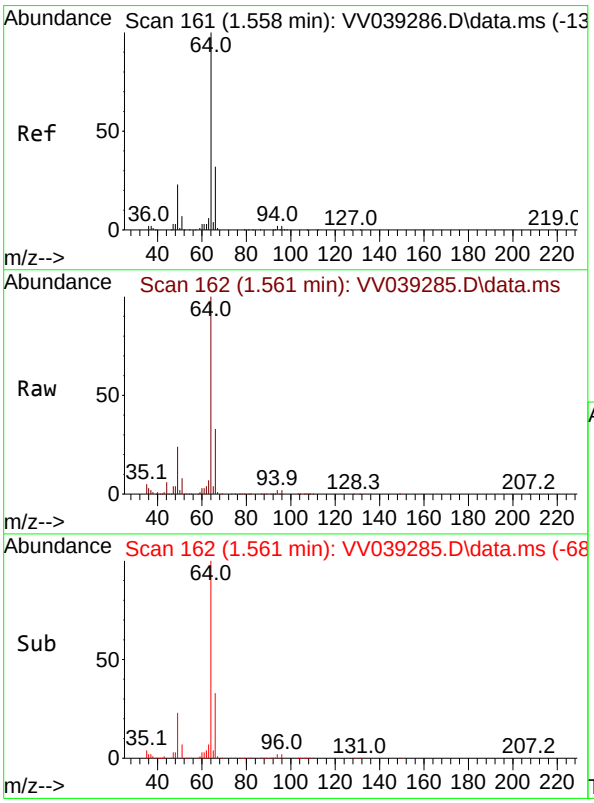
#5
Bromomethane
Concen: 19.621 ug/l
RT: 1.497 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 130902

Ion	Ratio	Lower	Upper
94	100		
96	94.8	74.2	111.2

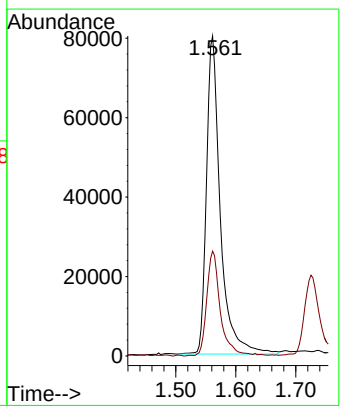


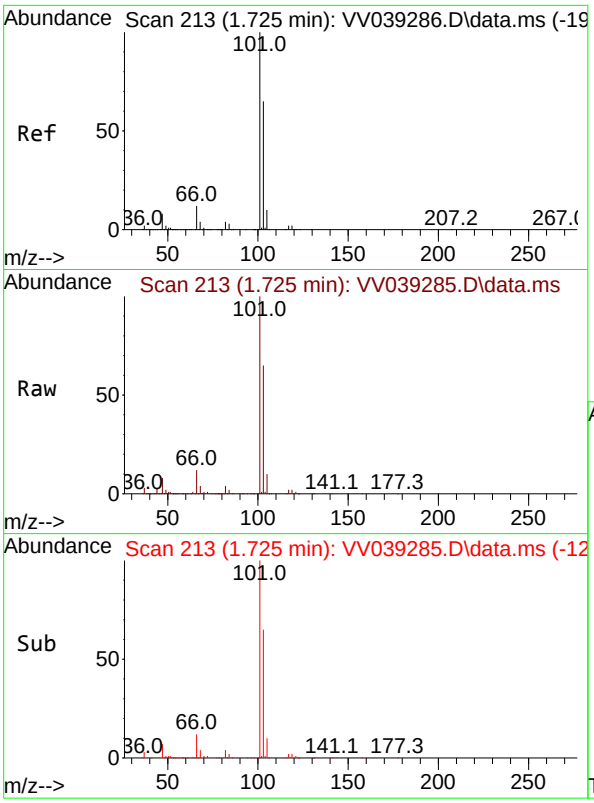


#6
Chloroethane
Concen: 21.373 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 64 Resp: 128639

Ion	Ratio	Lower	Upper
64	100		
66	32.7	25.7	38.5



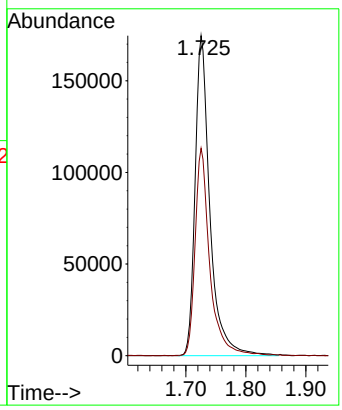


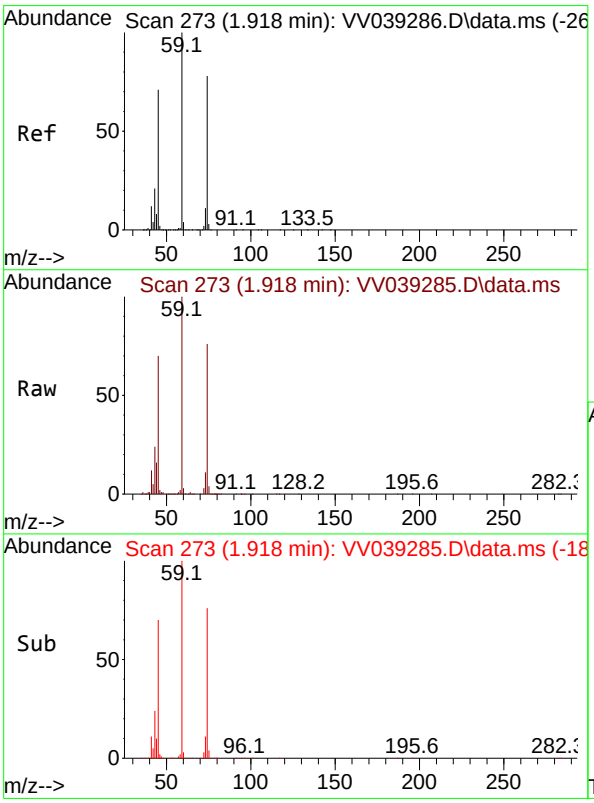
#7
Trichlorofluoromethane
Concen: 19.099 ug/l
RT: 1.725 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 300006

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.0	78.0

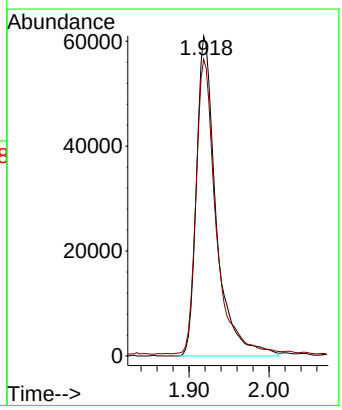


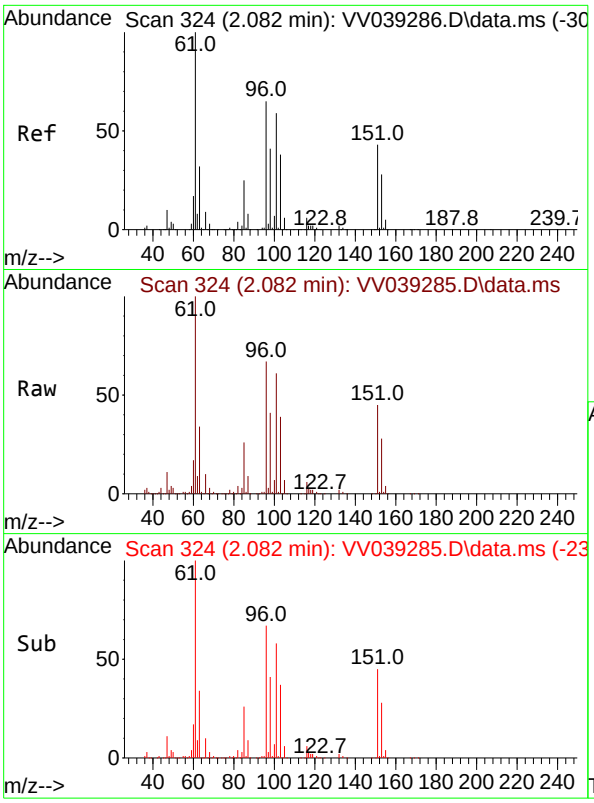


#8
Diethyl Ether
Concen: 18.417 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 74 Resp: 104544

Ion	Ratio	Lower	Upper
74	100		
45	93.1	45.9	137.7



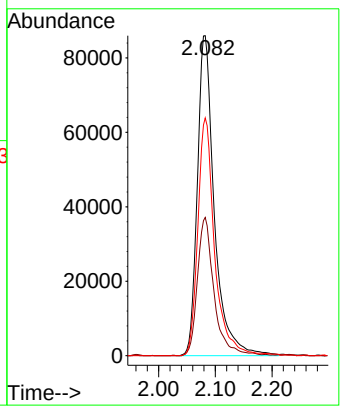


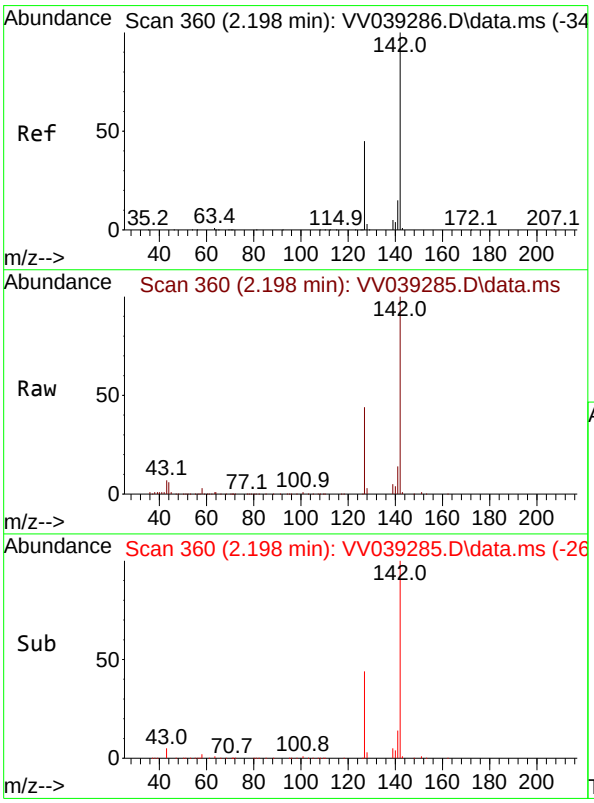
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.074 ug/l
RT: 2.082 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 179412

Ion	Ratio	Lower	Upper
101	100		
85	42.3	34.0	51.0
151	73.6	58.5	87.7

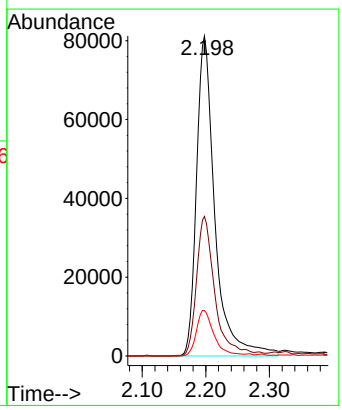


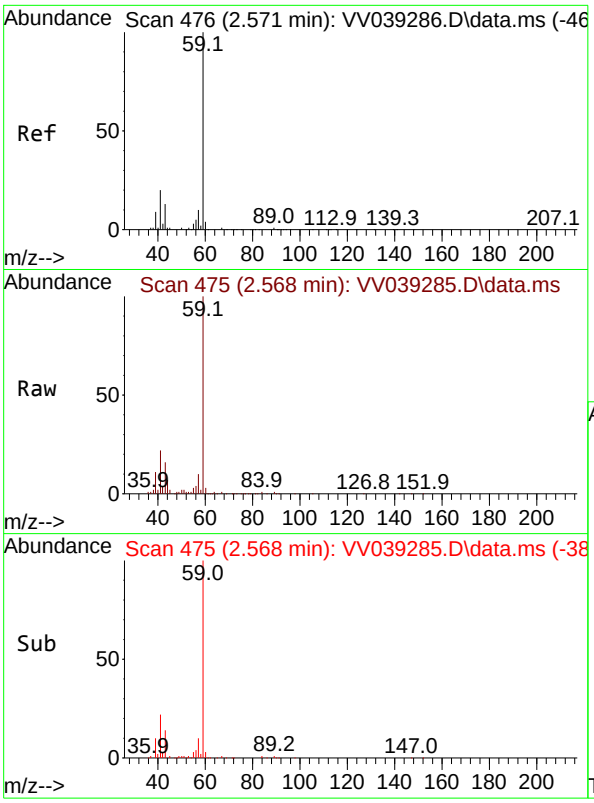


#10
Methyl Iodide
Concen: 20.112 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:142 Resp: 162986

Ion	Ratio	Lower	Upper
142	100		
127	43.2	35.5	53.3
141	13.6	11.5	17.3



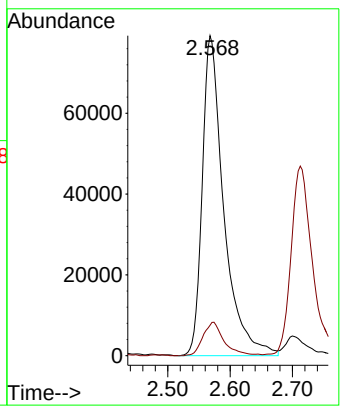


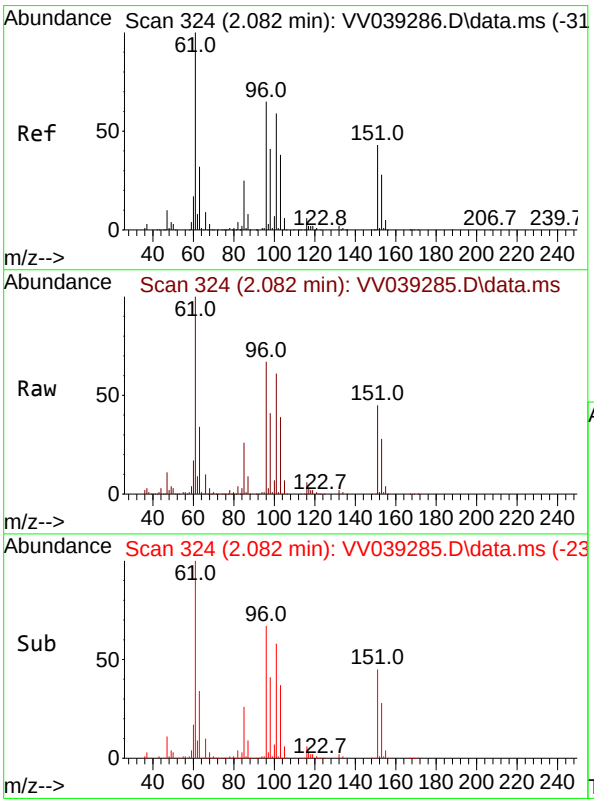
#11
Tert butyl alcohol
Concen: 100.776 ug/l
RT: 2.568 min Scan# 4
Delta R.T. -0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 190075

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

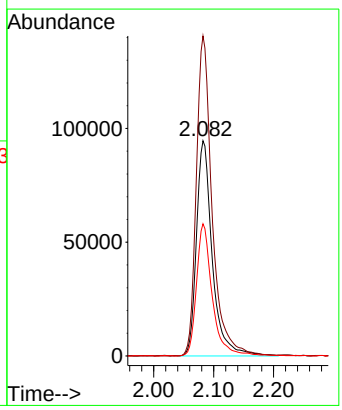


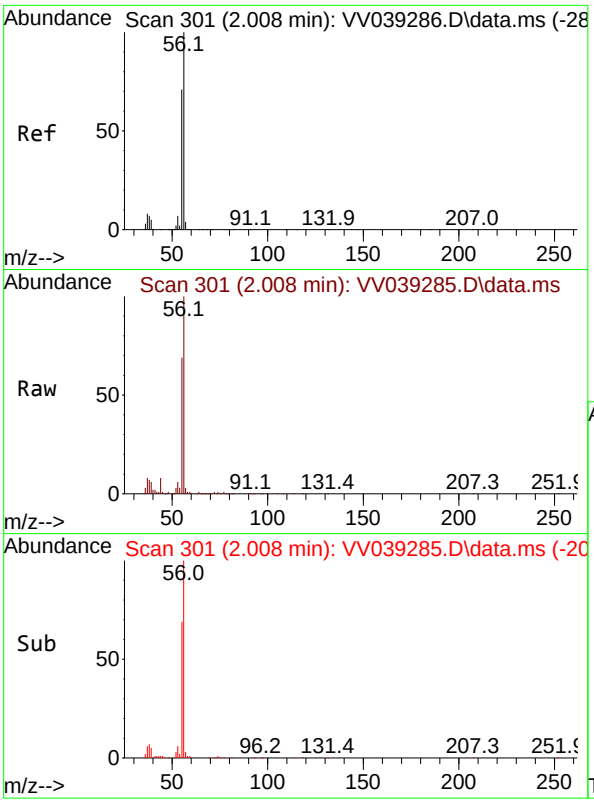


#12
1,1-Dichloroethene
Concen: 18.893 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 96 Resp: 174487

Ion	Ratio	Lower	Upper
96	100		
61	148.5	123.6	185.4
98	61.4	51.1	76.7



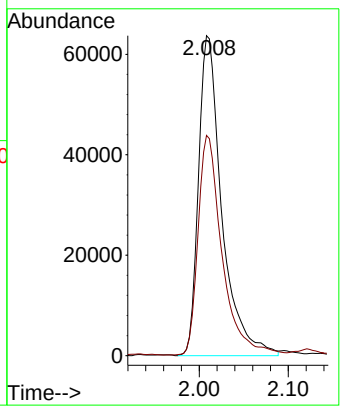


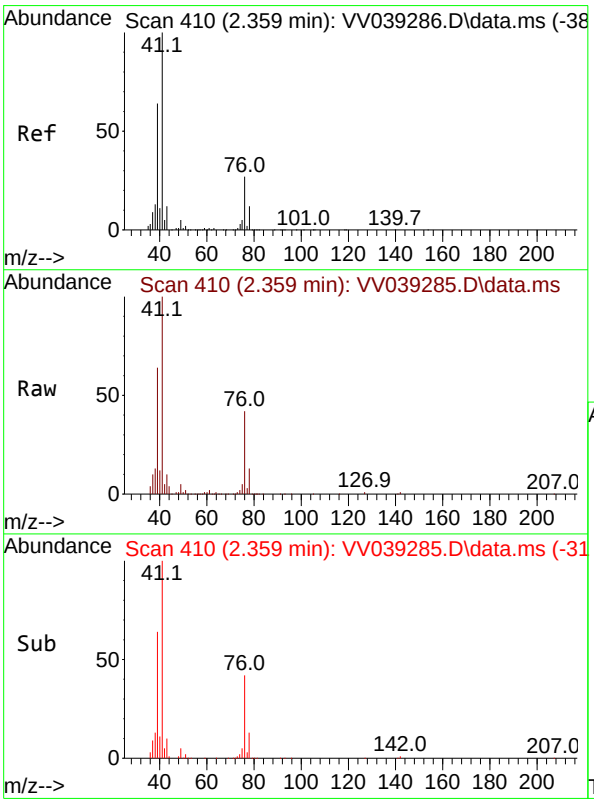
#13
Acrolein
Concen: 102.299 ug/l
RT: 2.008 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 116044

Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.2	84.4

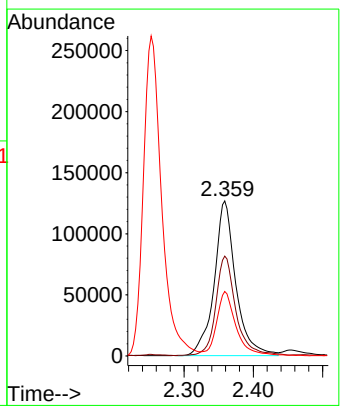


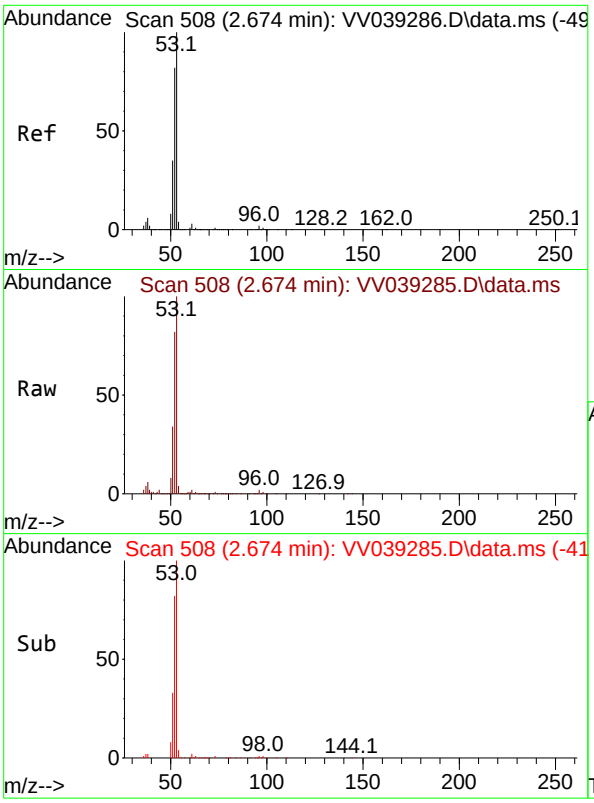


#14
Allyl chloride
Concen: 18.752 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 41 Resp: 274531

Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.8	71.6
76	37.5	30.2	45.2



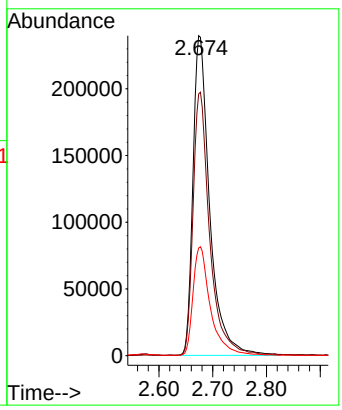


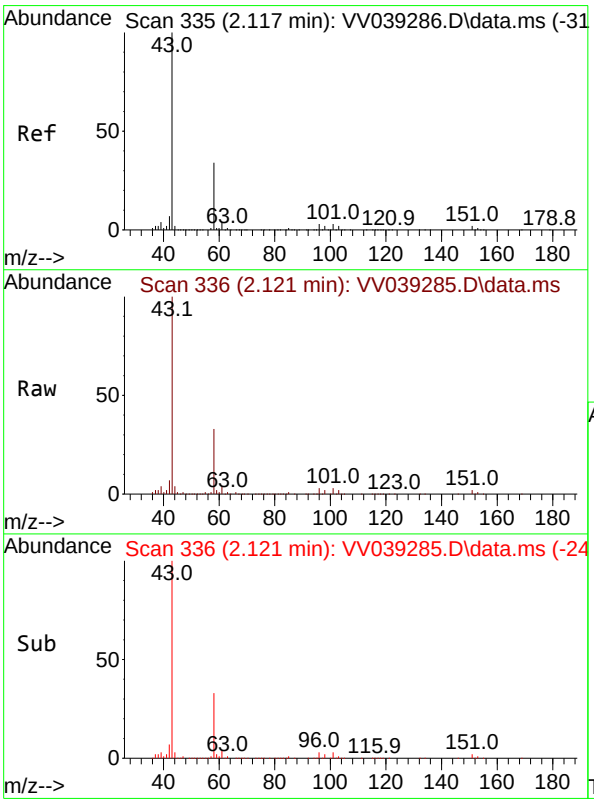
#15
Acrylonitrile
Concen: 93.008 ug/l
RT: 2.674 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 520229

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.3	27.9	41.9

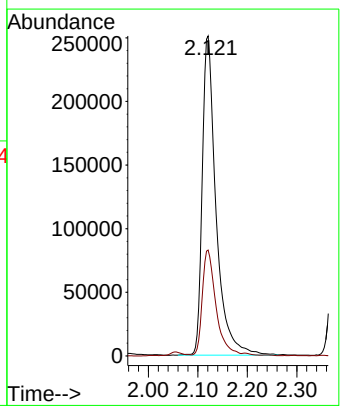


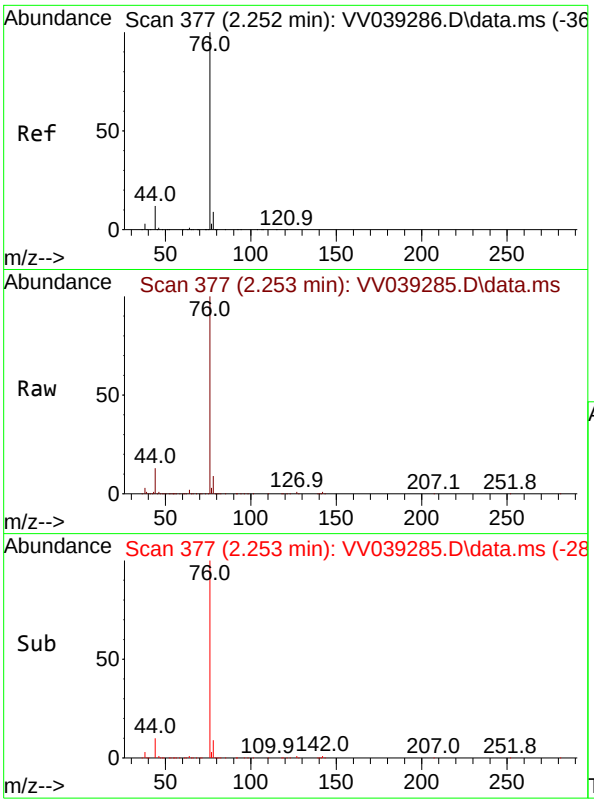


#16
Acetone
Concen: 101.524 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 43 Resp: 486776

Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.5	41.3



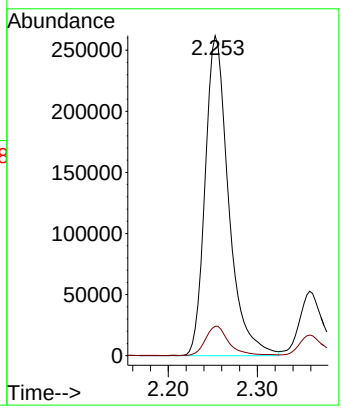


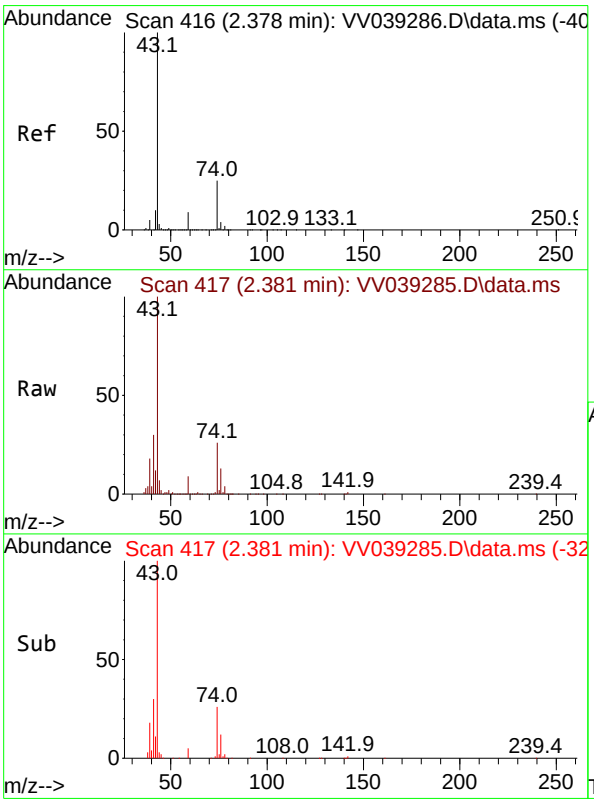
#17
Carbon Disulfide
Concen: 18.391 ug/l
RT: 2.253 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 479754

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

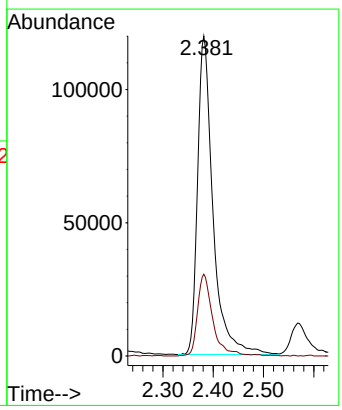


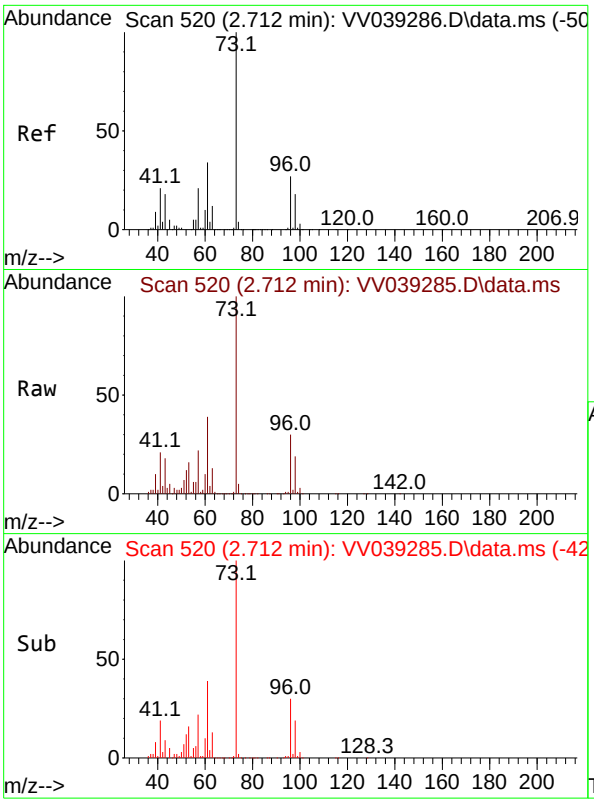


#18
Methyl Acetate
Concen: 20.162 ug/l
RT: 2.381 min Scan# 417
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 43 Resp: 254273

Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.5	29.3



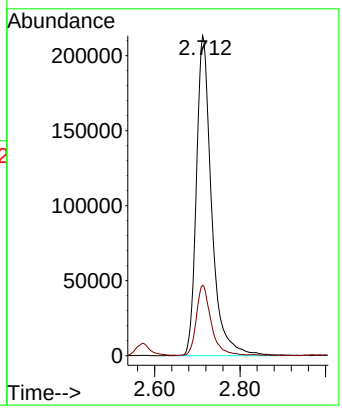


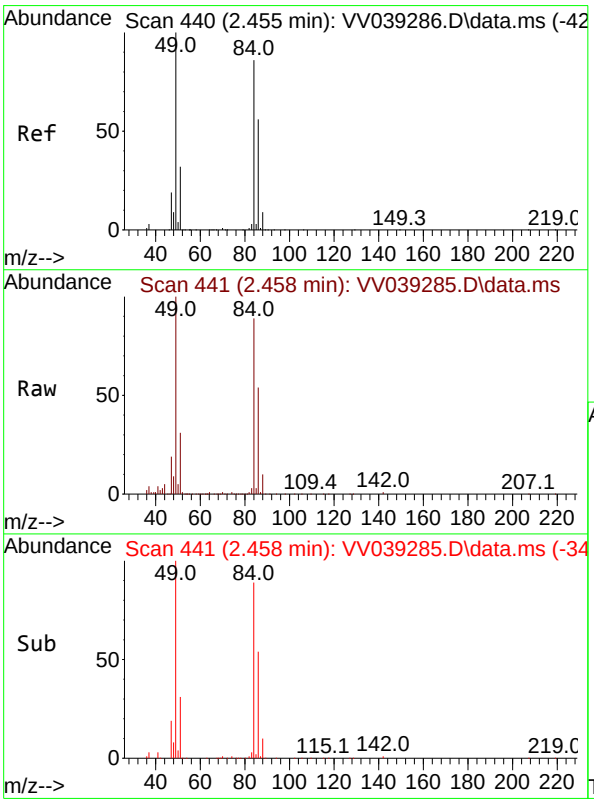
#19
Methyl tert-butyl Ether
Concen: 18.951 ug/l
RT: 2.712 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 526786

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.0	25.6

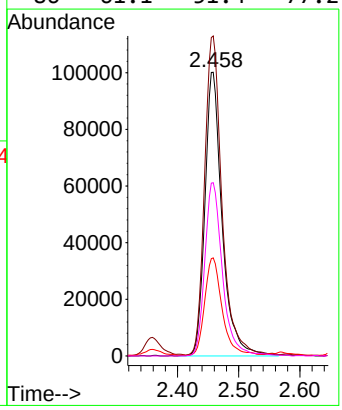


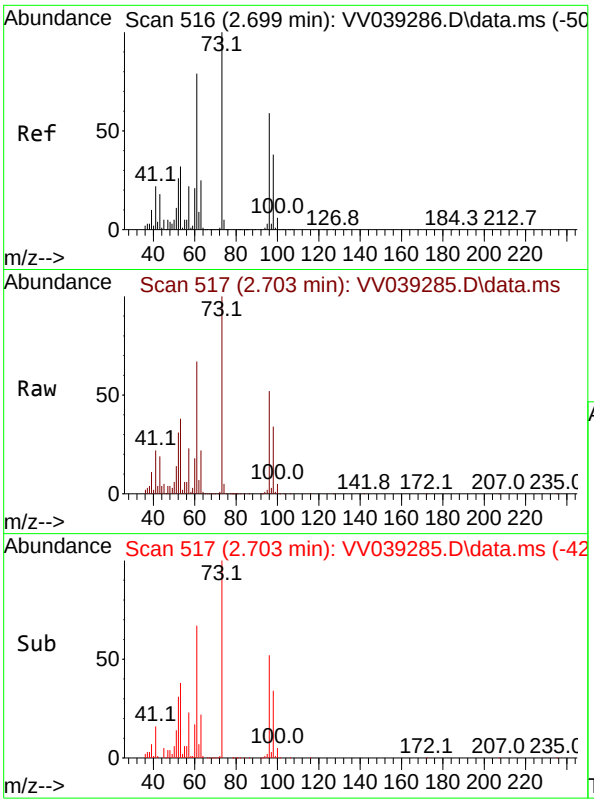


#20
Methylene Chloride
Concen: 21.419 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 84 Resp: 195948

Ion	Ratio	Lower	Upper
84	100		
49	112.3	92.6	139.0
51	34.3	29.6	44.4
86	61.1	51.4	77.2



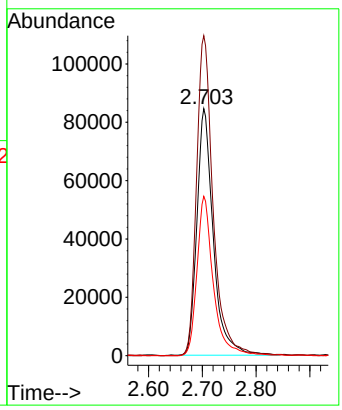


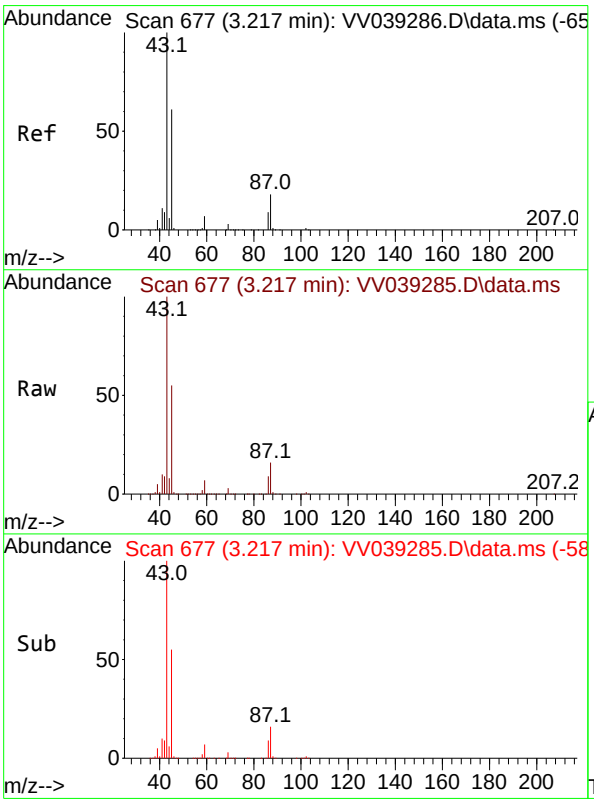
#21
trans-1,2-Dichloroethene
Concen: 18.430 ug/l
RT: 2.703 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 179212

Ion	Ratio	Lower	Upper
96	100		
61	129.8	106.8	160.2
98	64.7	51.1	76.7

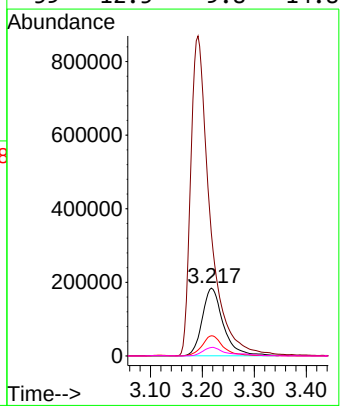


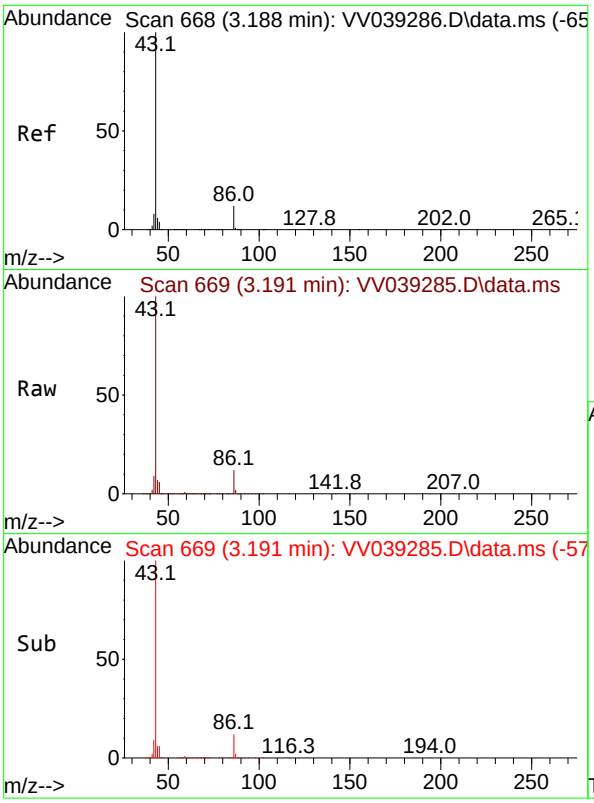


#22
Diisopropyl ether
Concen: 19.757 ug/l
RT: 3.217 min Scan# 677
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 45 Resp: 519314

Ion	Ratio	Lower	Upper
45	100		
43	181.2	130.8	196.2
87	29.7	23.8	35.8
59	12.5	9.8	14.8



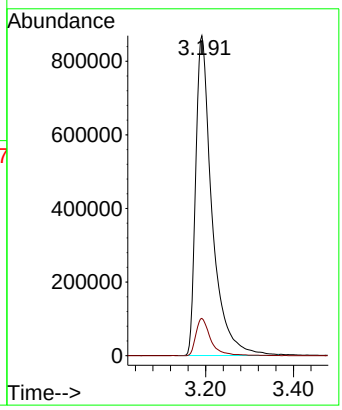


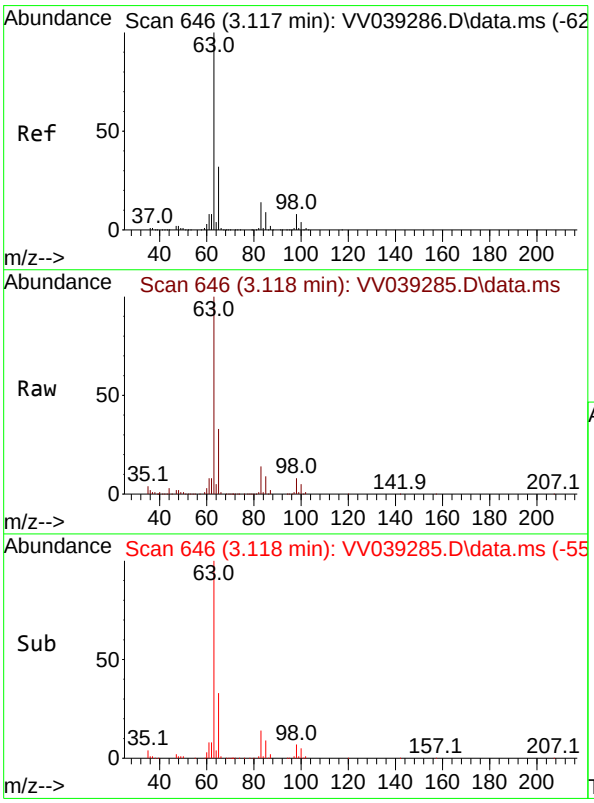
#23
Vinyl Acetate
Concen: 97.463 ug/l
RT: 3.191 min Scan# 6
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 2249046

Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.4	14.2

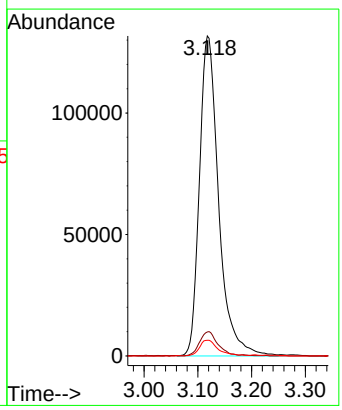


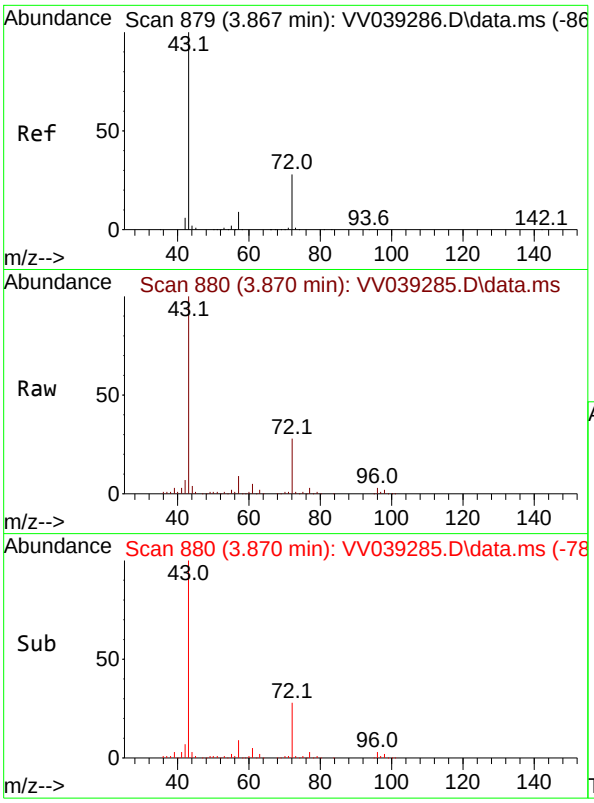


#24
1,1-Dichloroethane
Concen: 18.586 ug/l
RT: 3.118 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 63 Resp: 327296

Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.0	12.0
100	4.8	2.3	6.8



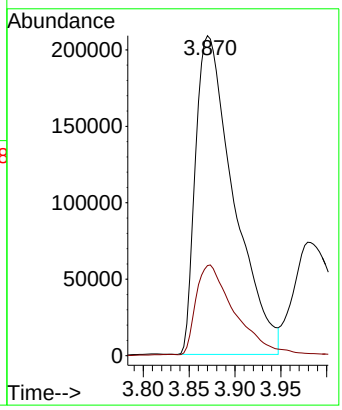


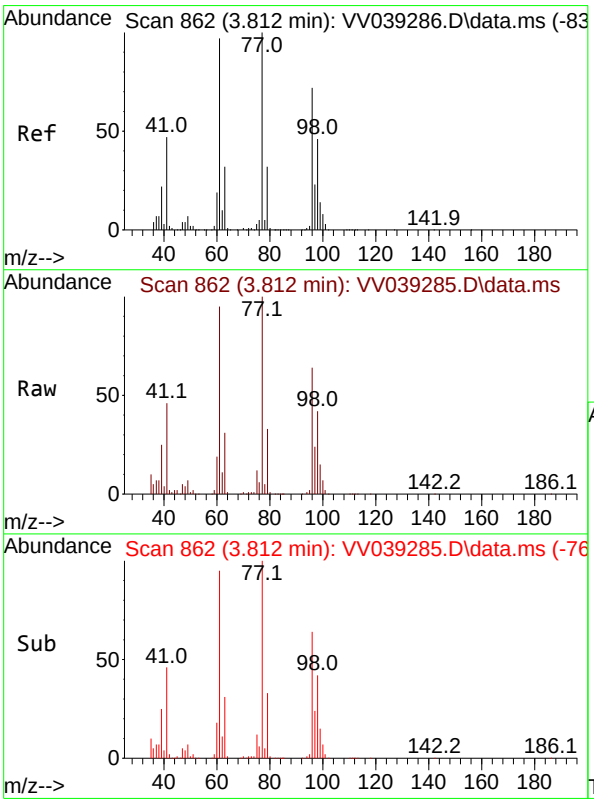
#25
2-Butanone
Concen: 102.132 ug/l
RT: 3.870 min Scan# 8
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 606140

Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.6	34.0

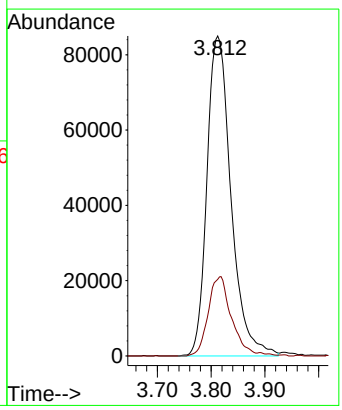


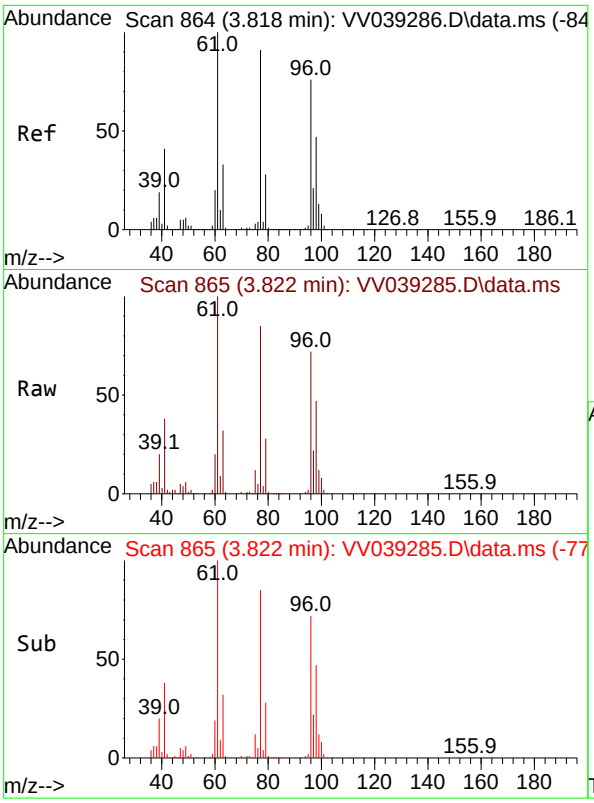


#26
2,2-Dichloropropane
Concen: 18.646 ug/l
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 77 Resp: 264468

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.8



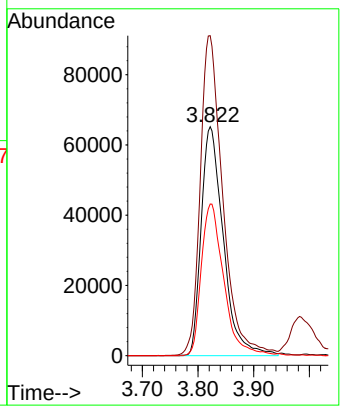


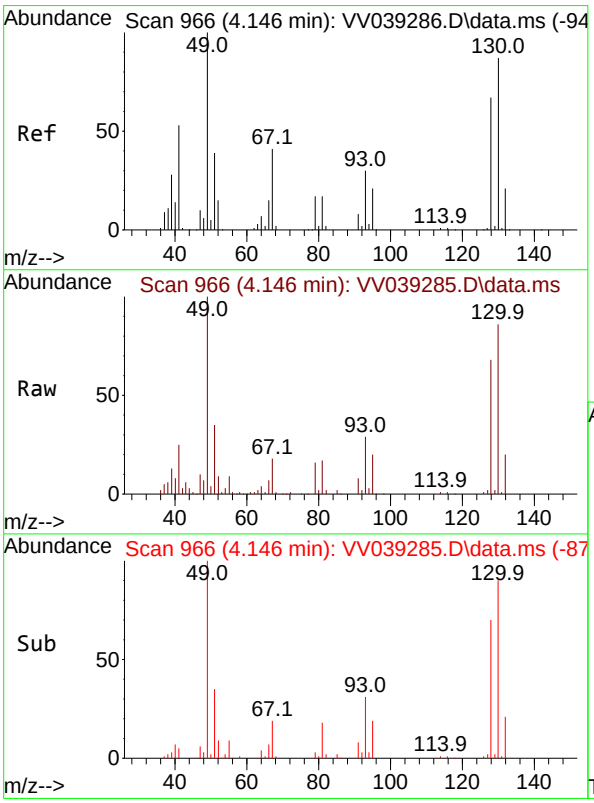
#27
cis-1,2-Dichloroethene
Concen: 18.498 ug/l
RT: 3.822 min Scan# 8
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 180096

Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	275.0
98	67.1	0.0	127.8

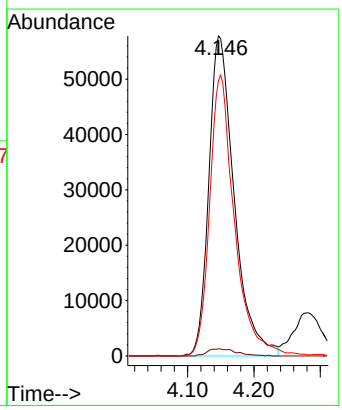


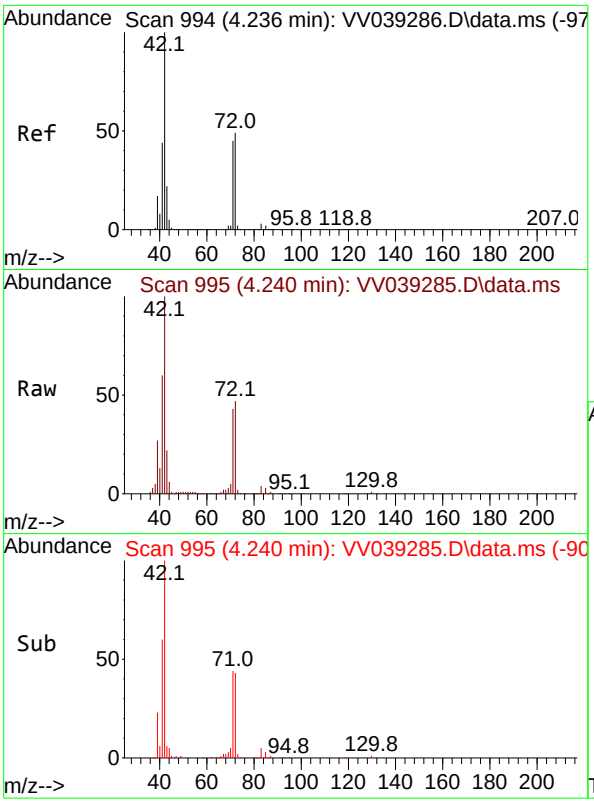


#28
Bromochloromethane
Concen: 19.964 ug/l
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 49 Resp: 153641

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	85.5	69.5	104.3



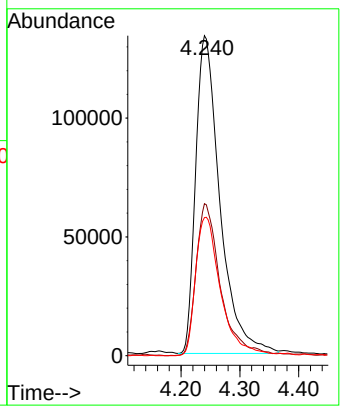


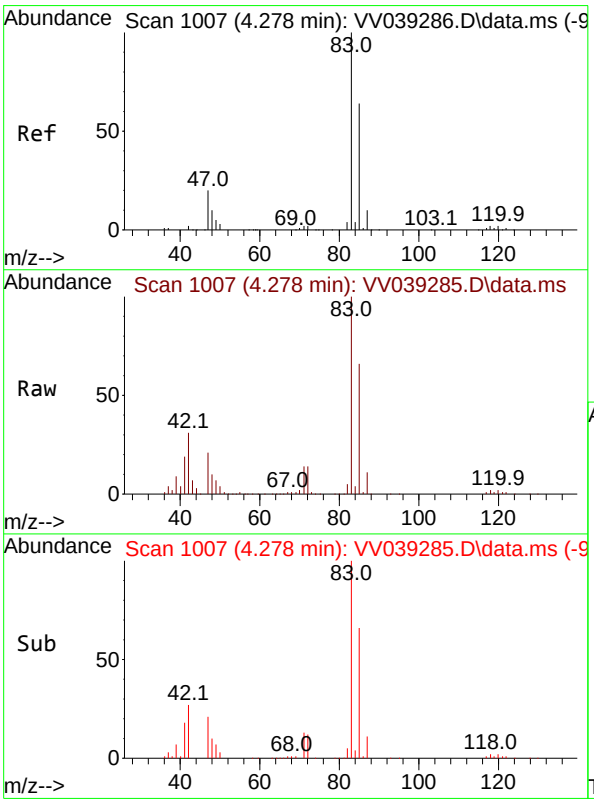
#29
Tetrahydrofuran
Concen: 100.710 ug/l
RT: 4.240 min Scan# 9
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 383152

Ion	Ratio	Lower	Upper
42	100		
72	46.9	39.8	59.8
71	45.0	36.5	54.7

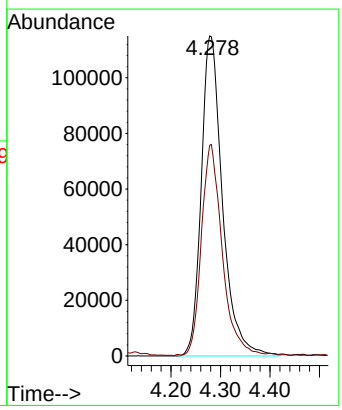


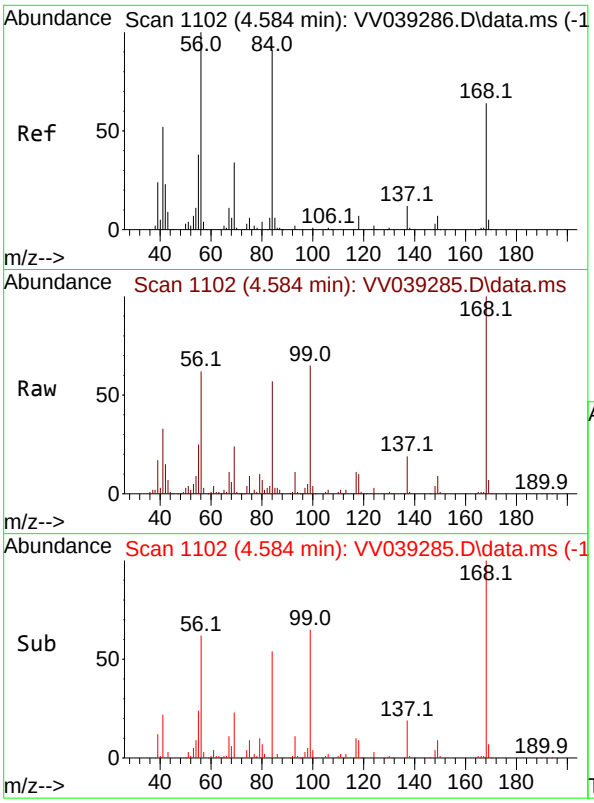


#30
Chloroform
Concen: 19.058 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 83 Resp: 342239

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7



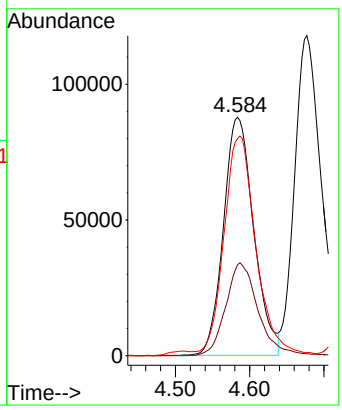


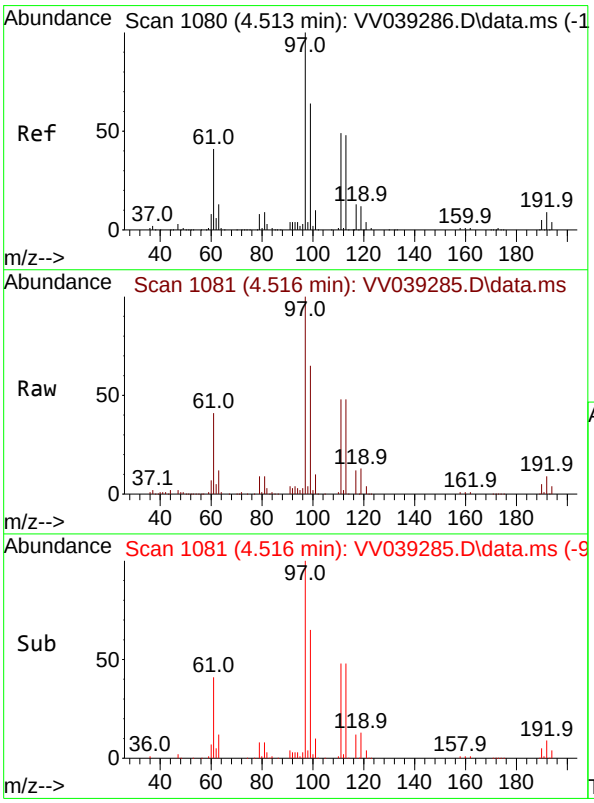
#31
Cyclohexane
Concen: 19.387 ug/l
RT: 4.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 248657

Ion	Ratio	Lower	Upper
56	100		
69	38.2	27.4	41.0
84	89.5	72.8	109.2

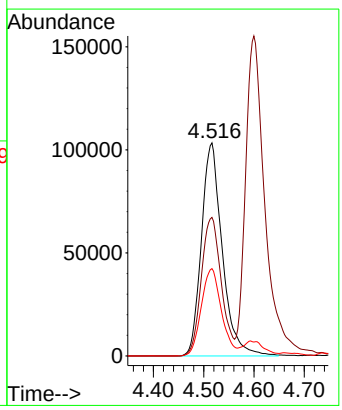


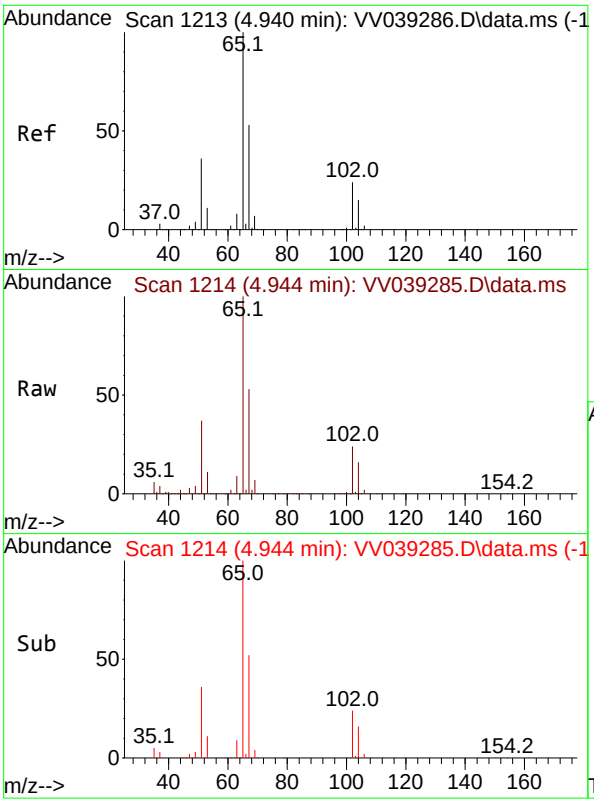


#32
1,1,1-Trichloroethane
Concen: 18.965 ug/l
RT: 4.516 min Scan# 1081
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 97 Resp: 297779

Ion	Ratio	Lower	Upper
97	100		
99	62.2	48.6	72.8
61	39.6	31.8	47.8



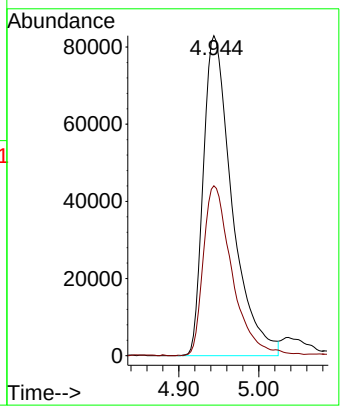


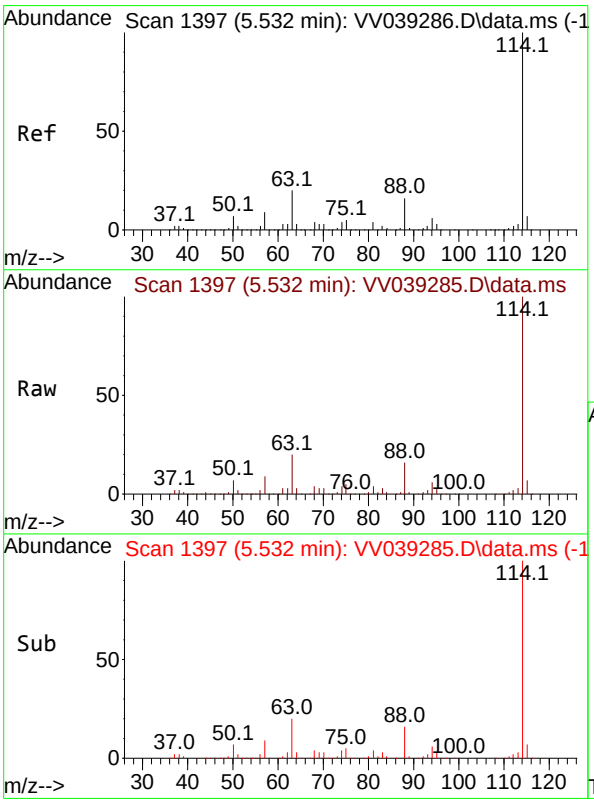
#33
1,2-Dichloroethane-d4
Concen: 21.310 ug/l
RT: 4.944 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 207395

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.4

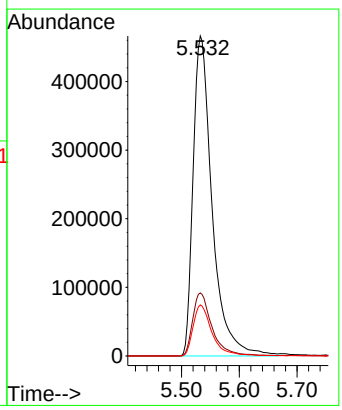


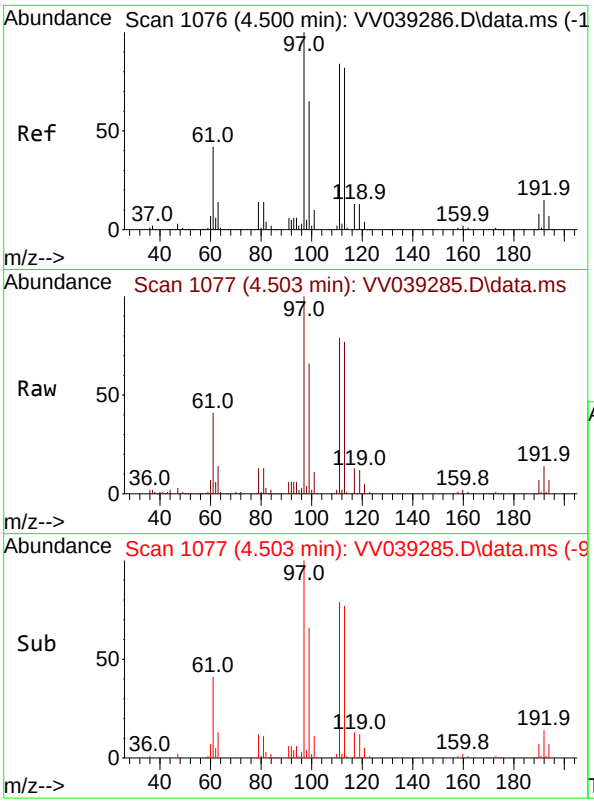


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:114 Resp: 1068943

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	16.0	0.0	31.6



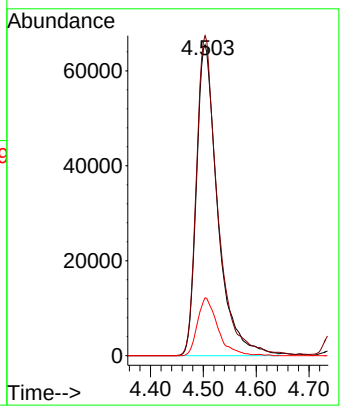


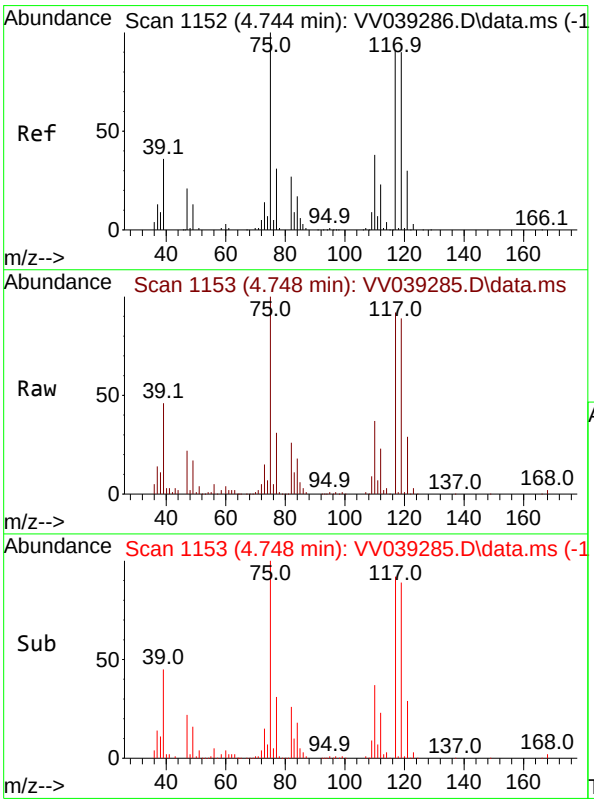
#35
Dibromofluoromethane
Concen: 21.664 ug/l
RT: 4.503 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 182463

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.0	123.0
192	17.8	14.3	21.5

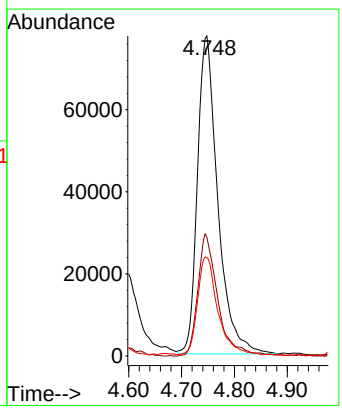


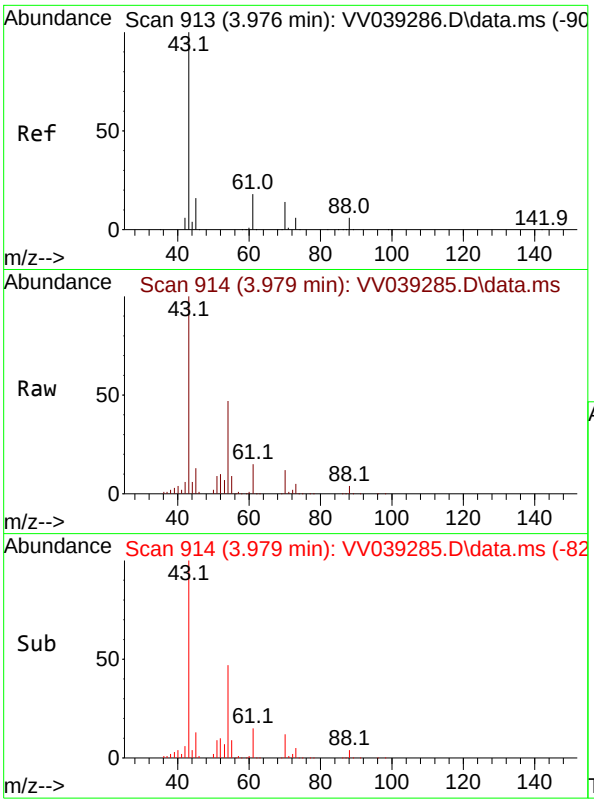


#36
1,1-Dichloropropene
Concen: 19.636 ug/l
RT: 4.748 min Scan# 1153
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 75 Resp: 207722

Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.9	56.7
77	30.2	24.1	36.1



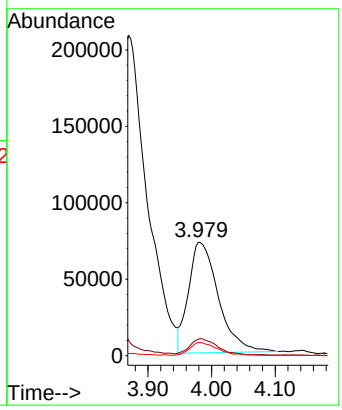


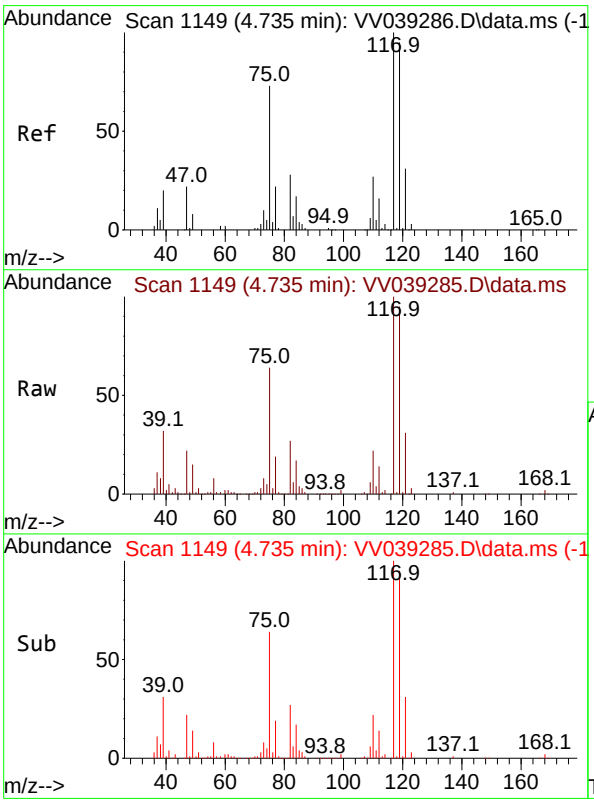
#37
Ethyl Acetate
Concen: 19.219 ug/l
RT: 3.979 min Scan# 9
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 237243

Ion	Ratio	Lower	Upper
43	100		
61	13.1	12.2	18.2
70	10.0	9.0	13.4

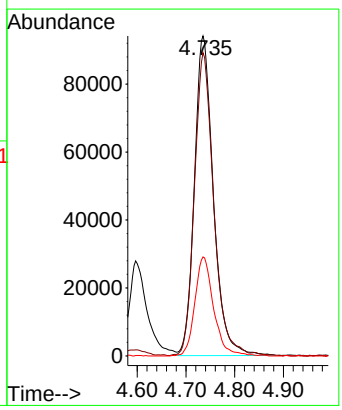


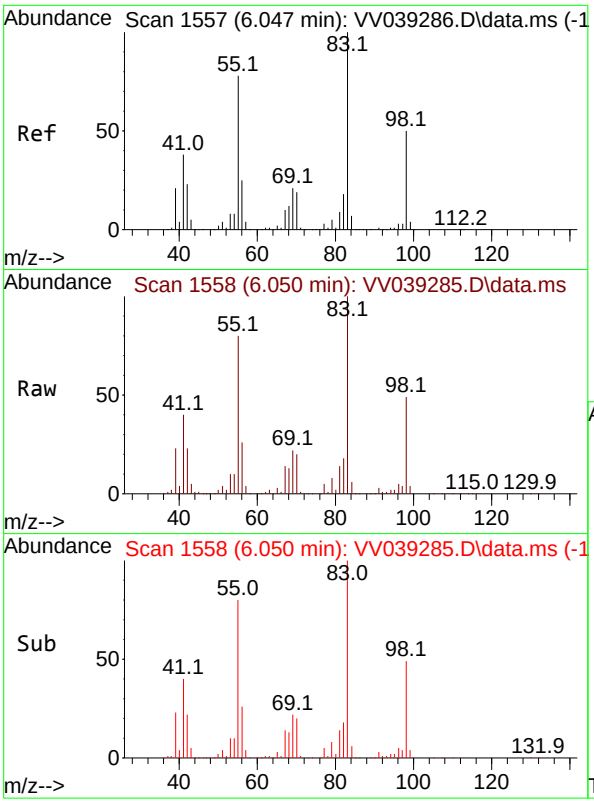


#38
Carbon Tetrachloride
Concen: 19.056 ug/l
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:117 Resp: 255516

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.9	113.9
121	31.0	24.6	37.0



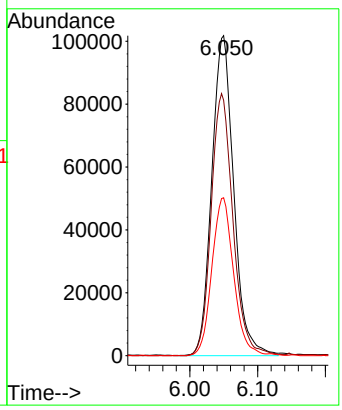


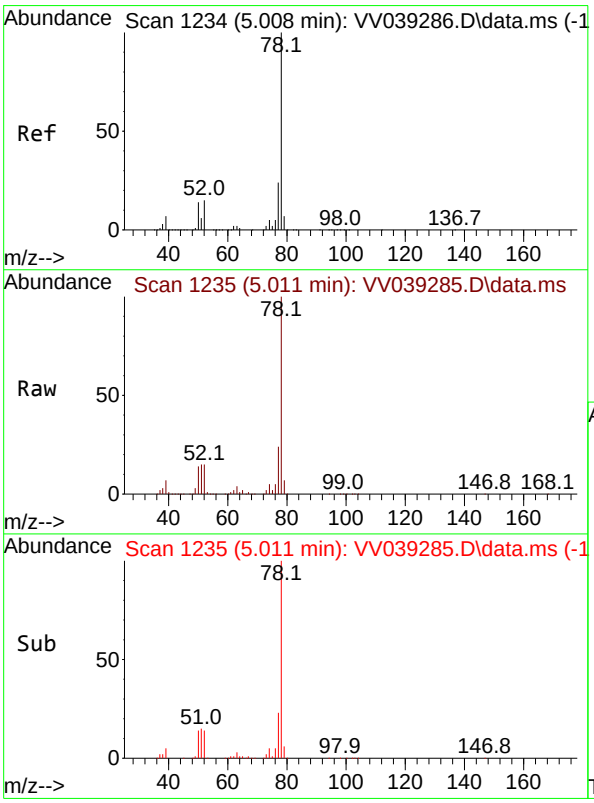
#39
Methylcyclohexane
Concen: 18.978 ug/l
RT: 6.050 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 229452

Ion	Ratio	Lower	Upper
83	100		
55	79.7	62.1	93.1
98	49.3	40.2	60.4

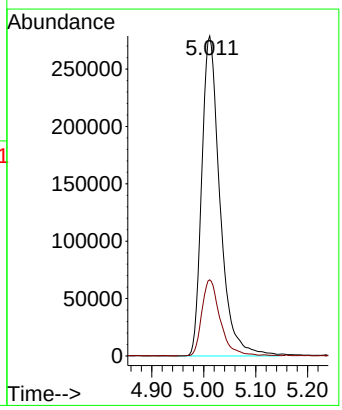


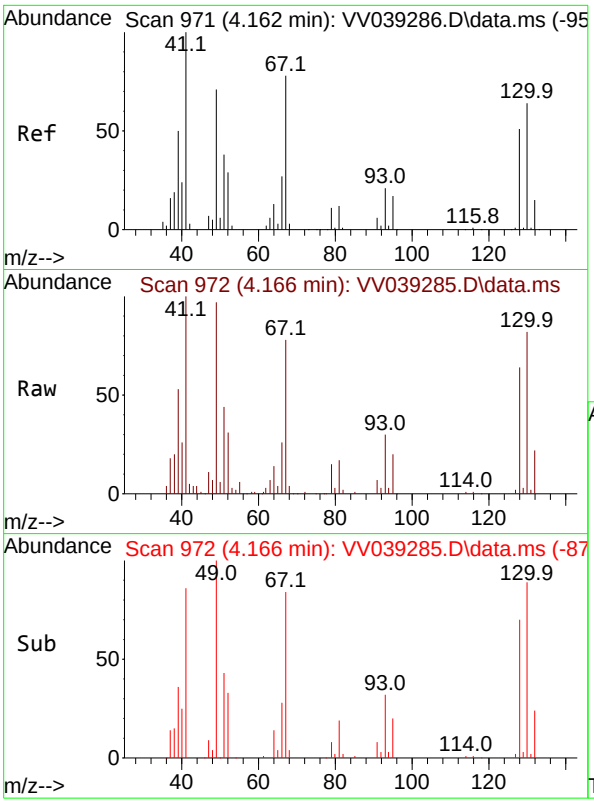


#40
Benzene
Concen: 19.996 ug/l
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 78 Resp: 678777

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3



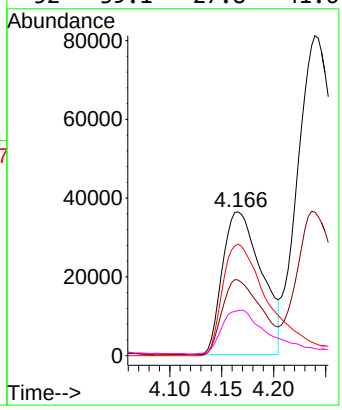


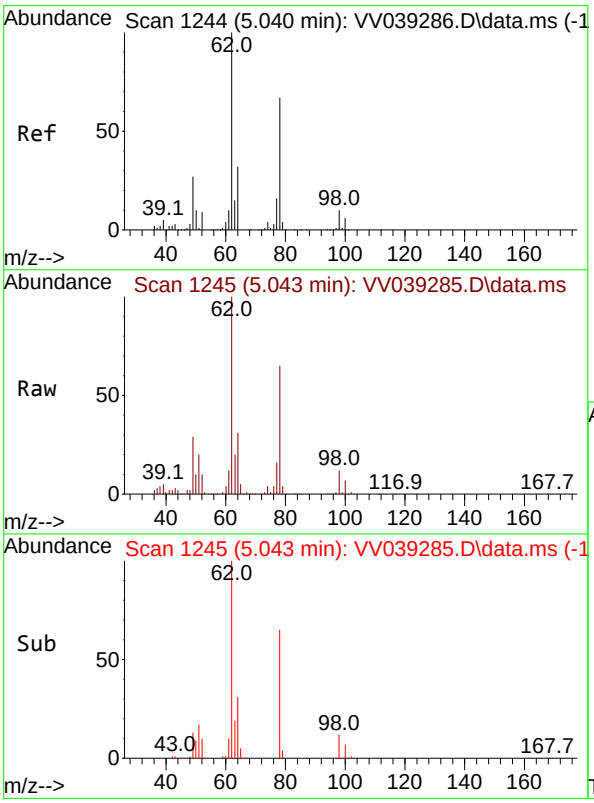
#41
Methacrylonitrile
Concen: 19.025 ug/l
RT: 4.166 min Scan# 9
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 95028

Ion	Ratio	Lower	Upper
41	100		
39	52.8	40.9	61.3
67	96.4	73.1	109.7
52	39.1	27.8	41.6

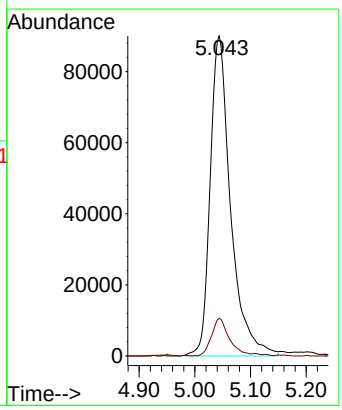


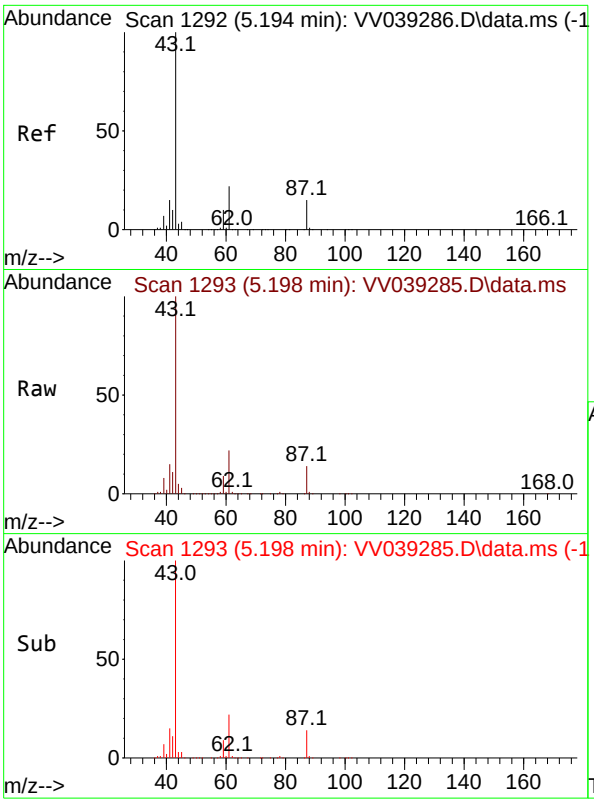


#42
1,2-Dichloroethane
Concen: 19.269 ug/l
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 62 Resp: 229561

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0



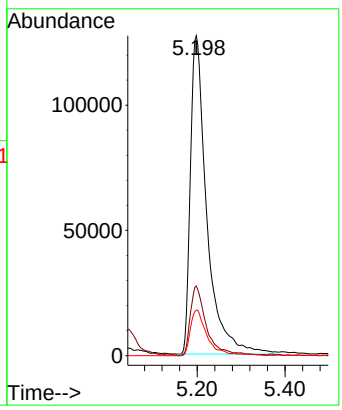


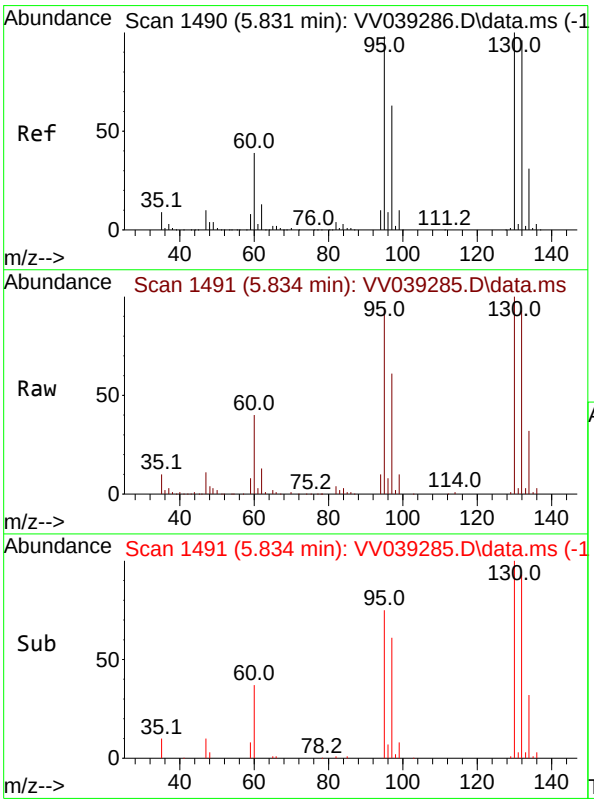
#43
Isopropyl Acetate
Concen: 19.633 ug/l
RT: 5.198 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 331186

Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.1	25.7
87	14.0	11.5	17.3

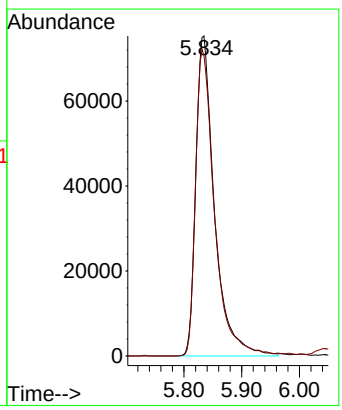


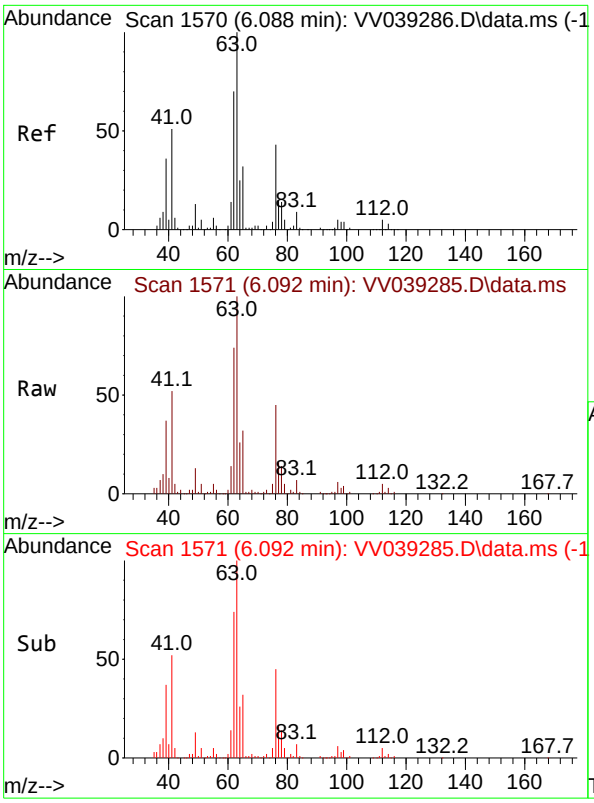


#44
Trichloroethene
Concen: 19.779 ug/l
RT: 5.834 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:130 Resp: 168843

Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	196.6



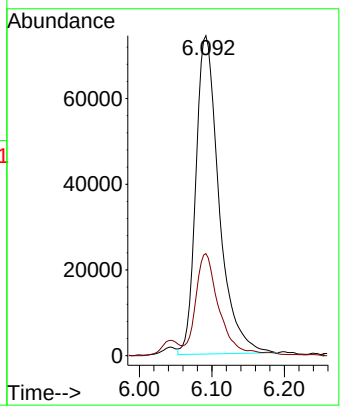


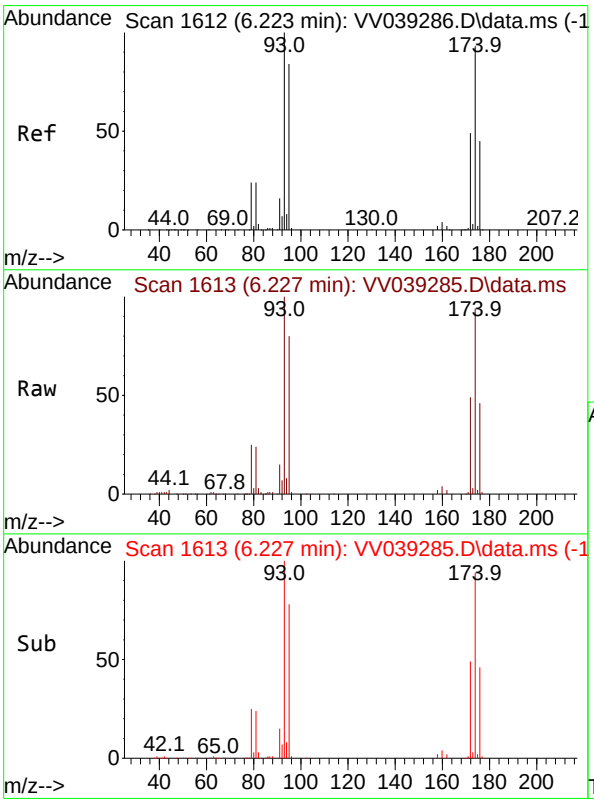
#45
1,2-Dichloropropane
Concen: 19.934 ug/l
RT: 6.092 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 164657

Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.4	38.2

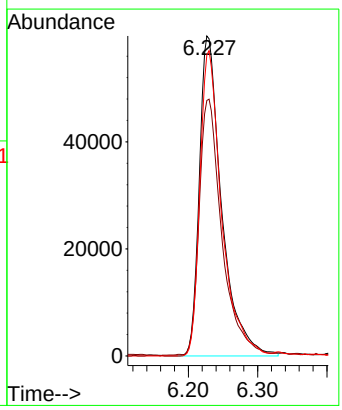


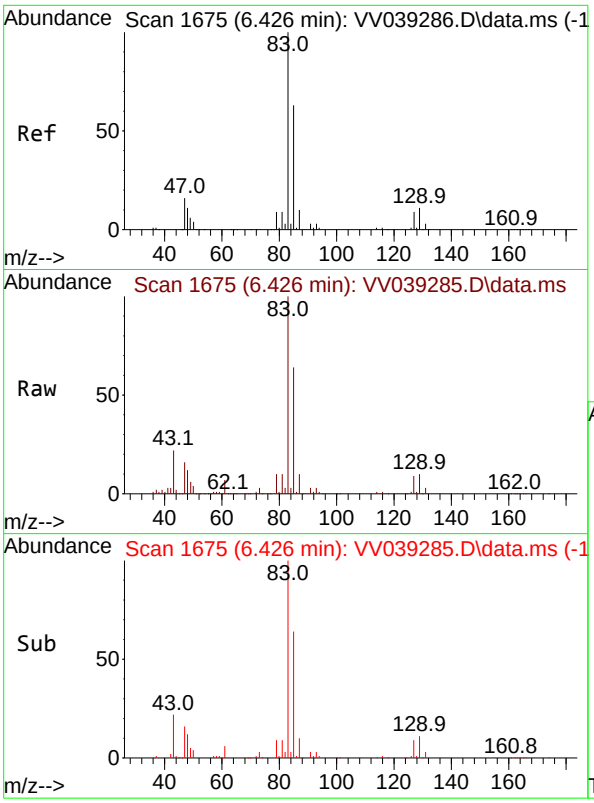


#46
Dibromomethane
Concen: 19.307 ug/l
RT: 6.227 min Scan# 1613
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 93 Resp: 133300

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.6	98.4
174	93.4	74.6	112.0



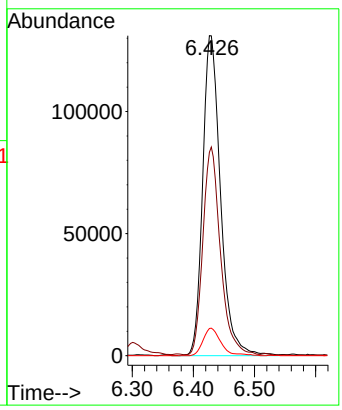


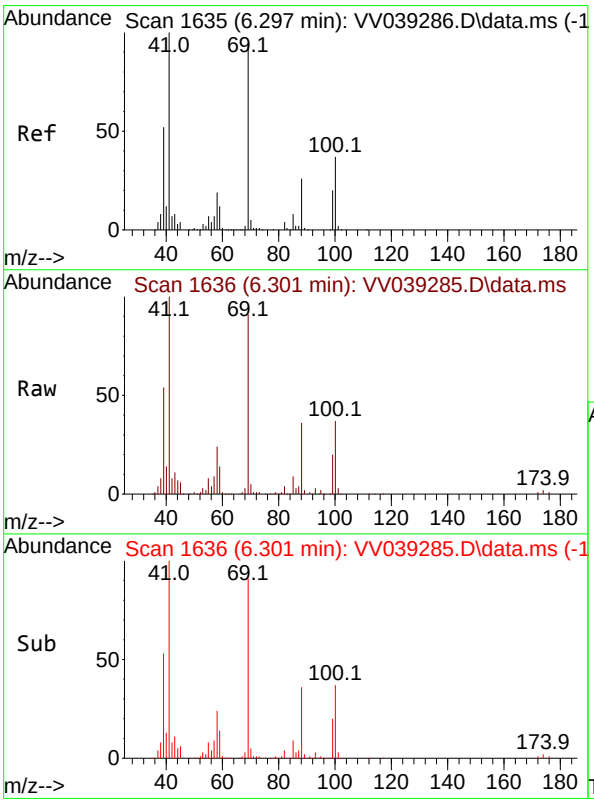
#47
Bromodichloromethane
Concen: 19.579 ug/l
RT: 6.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 266348

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.9	76.3
127	8.5	7.0	10.6

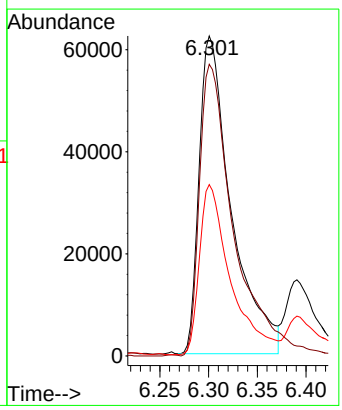


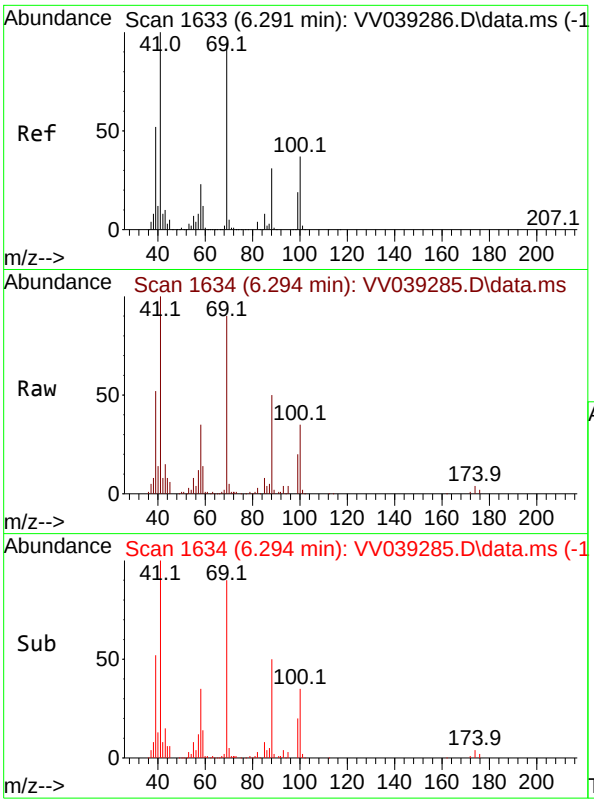


#48
Methyl methacrylate
Concen: 19.048 ug/l
RT: 6.301 min Scan# 1636
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 41 Resp: 143078

Ion	Ratio	Lower	Upper
41	100		
69	98.5	77.2	115.8
39	51.7	41.4	62.0



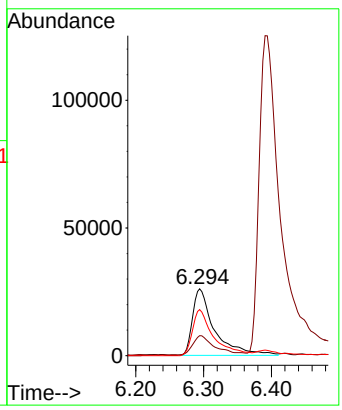


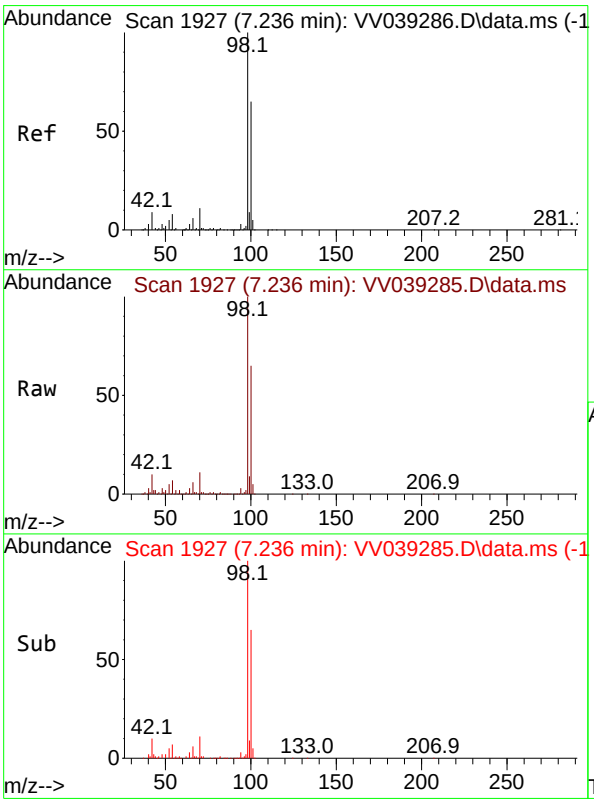
#49
1,4-Dioxane
Concen: 469.721 ug/l
RT: 6.294 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 58694

Ion	Ratio	Lower	Upper
88	100		
43	27.7	24.1	36.1
58	66.6	57.6	86.4

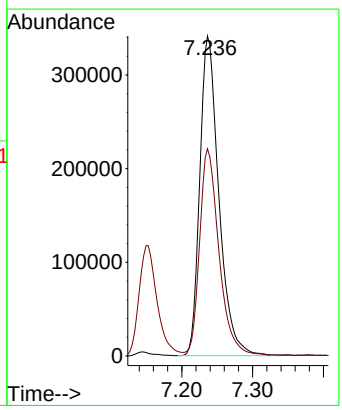


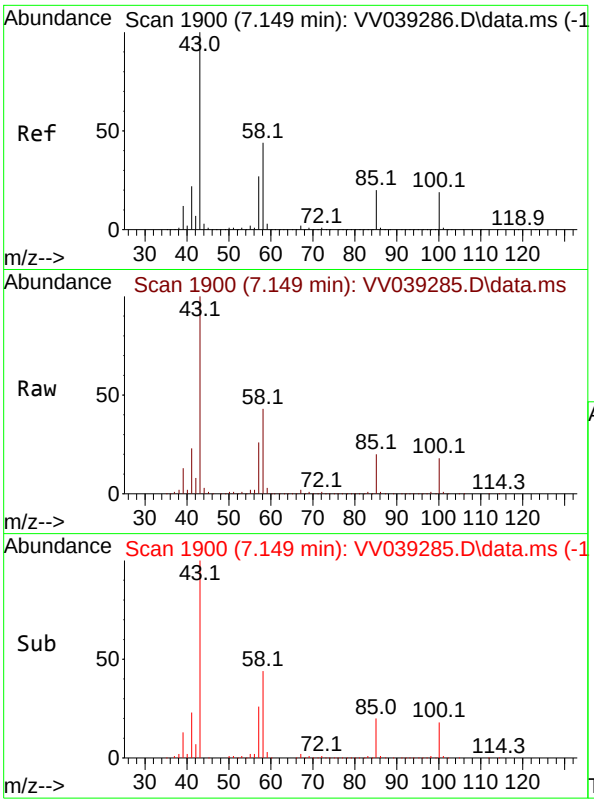


#50
Toluene-d8
Concen: 22.254 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 98 Resp: 637652

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2



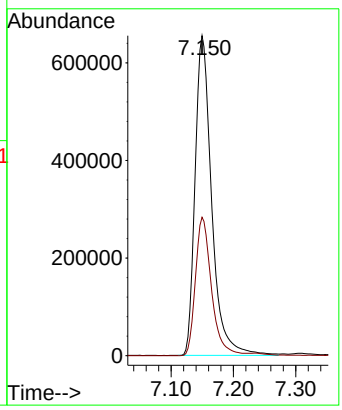


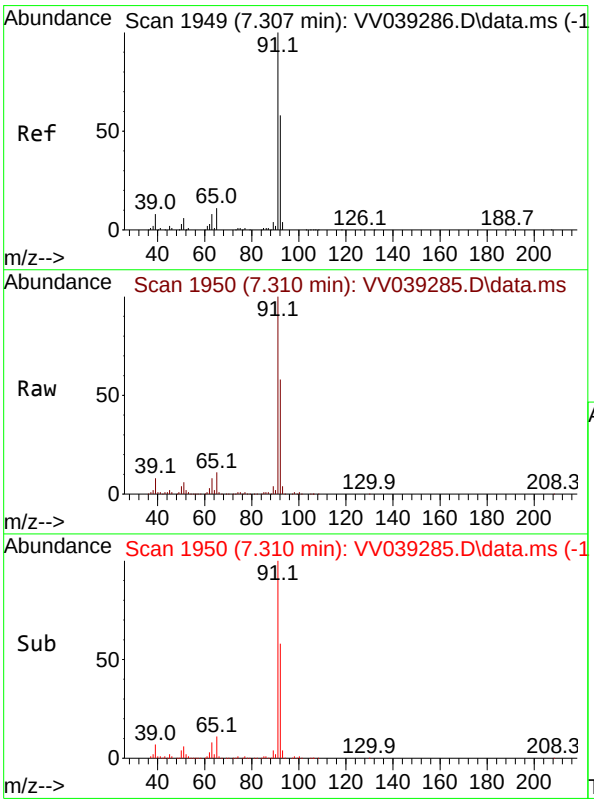
#51
4-Methyl-2-Pentanone
Concen: 107.743 ug/l
RT: 7.149 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 1211982

Ion	Ratio	Lower	Upper
43	100		
58	42.0	34.2	51.4

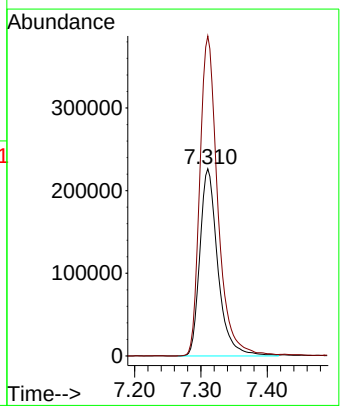


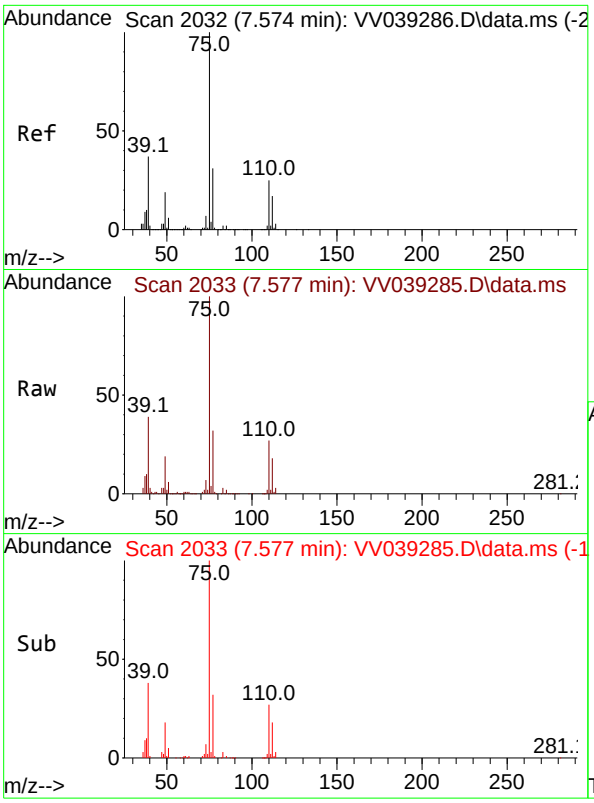


#52
Toluene
Concen: 20.859 ug/l
RT: 7.310 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 92 Resp: 427535

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



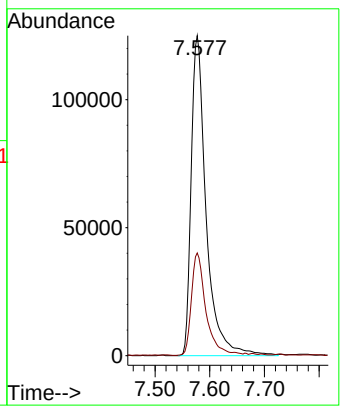


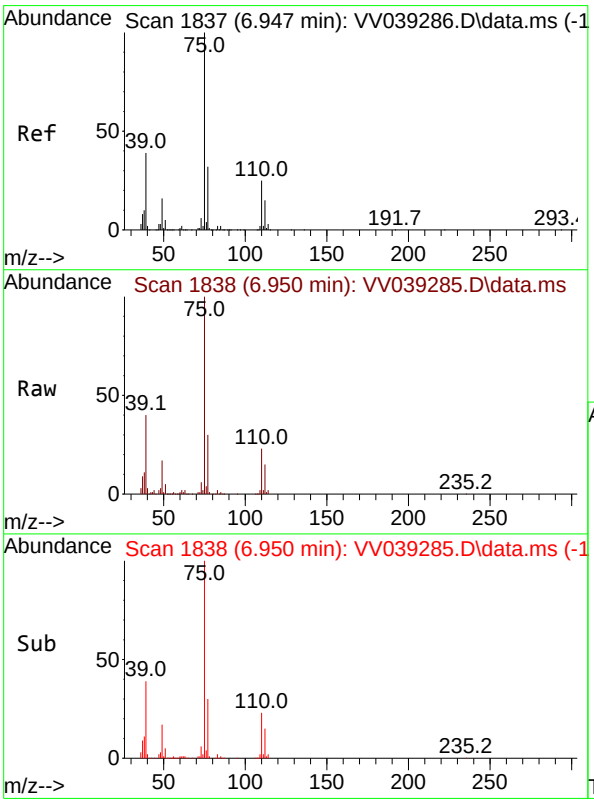
#53
t-1,3-Dichloropropene
Concen: 19.991 ug/l
RT: 7.577 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 237681

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7

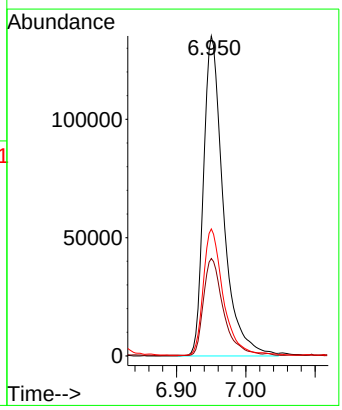


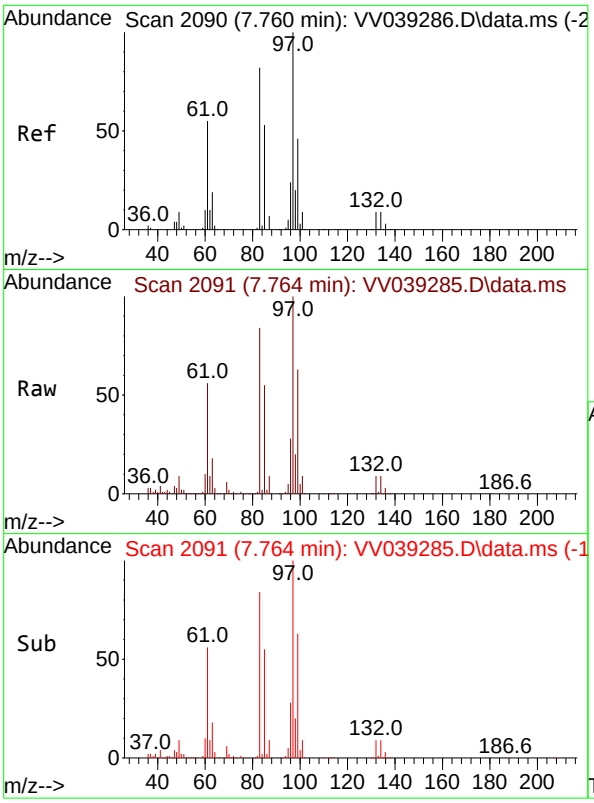


#54
cis-1,3-Dichloropropene
Concen: 20.281 ug/l
RT: 6.950 min Scan# 1838
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 75 Resp: 268074

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.6	38.4
39	39.5	31.0	46.6



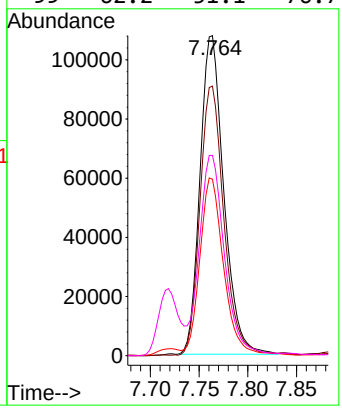


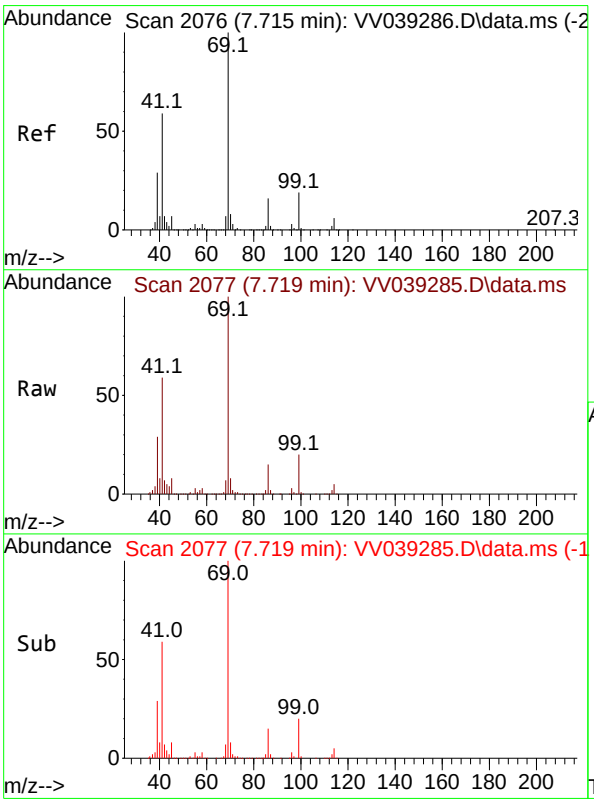
#55
1,1,2-Trichloroethane
Concen: 19.757 ug/l
RT: 7.764 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 182850

Ion	Ratio	Lower	Upper
97	100		
83	84.5	65.8	98.8
85	54.8	43.3	64.9
99	62.2	51.1	76.7

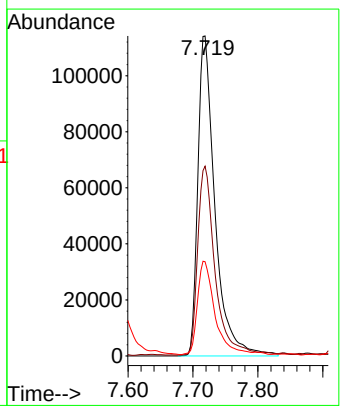


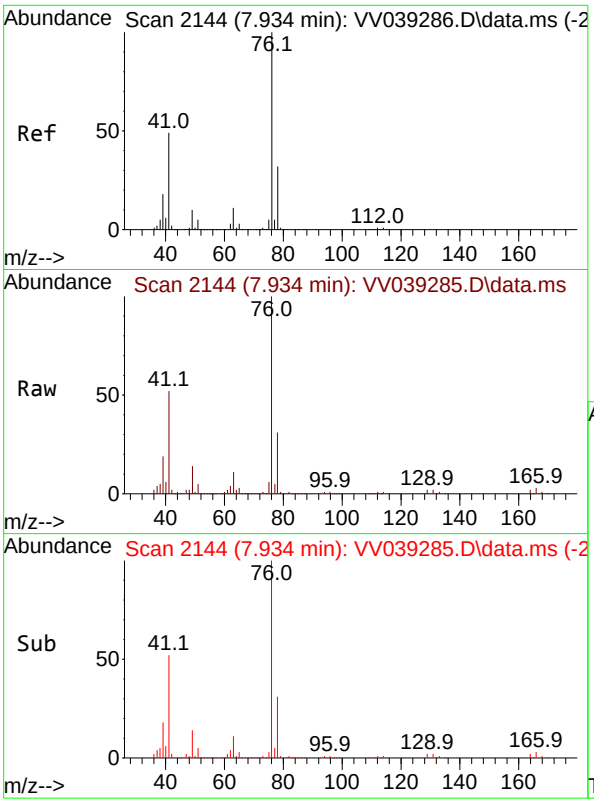


#56
Ethyl methacrylate
Concen: 20.297 ug/l
RT: 7.719 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 69 Resp: 209723

Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.1	70.7
39	29.5	23.2	34.8



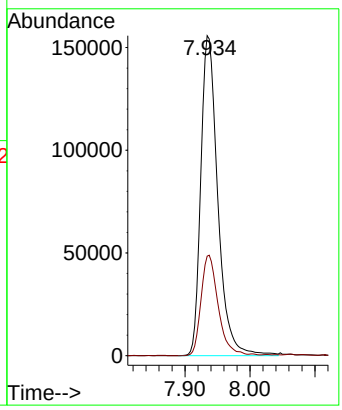


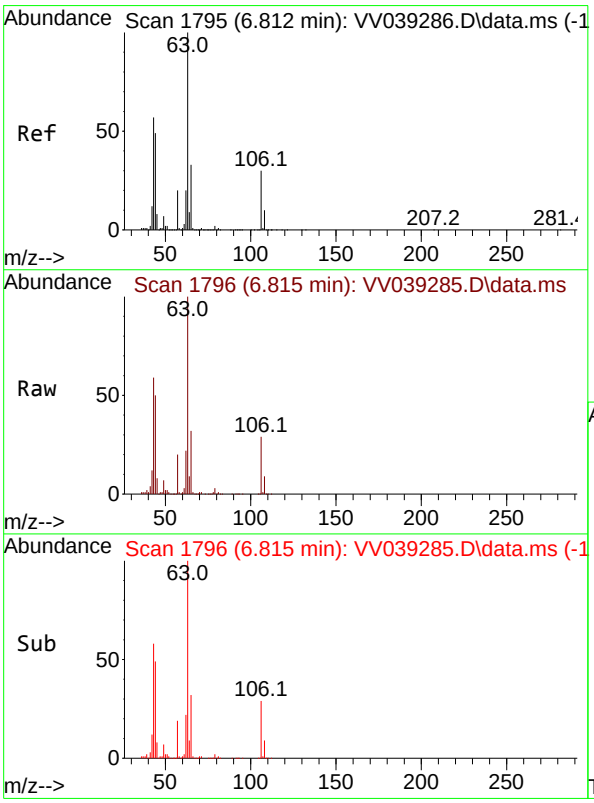
#57
1,3-Dichloropropane
Concen: 20.346 ug/l
RT: 7.934 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 284148

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.6	38.4

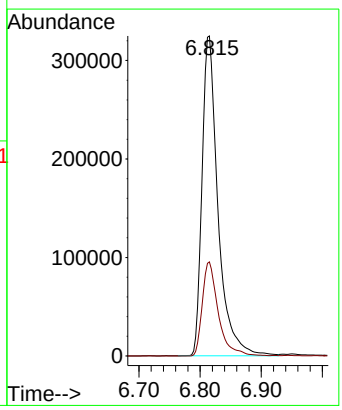


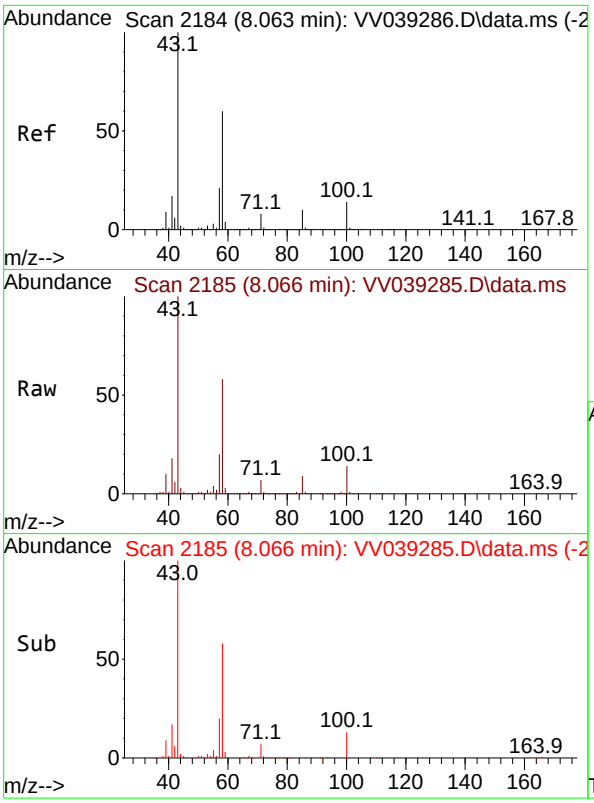


#58
2-Chloroethyl Vinyl ether
Concen: 98.113 ug/l
RT: 6.815 min Scan# 1796
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 63 Resp: 589392

Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.5	35.3



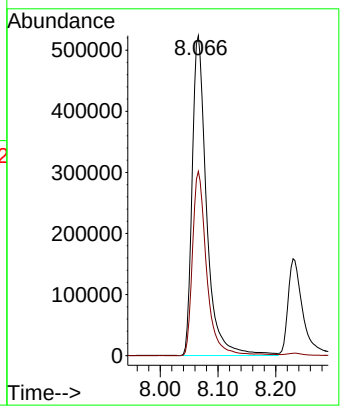


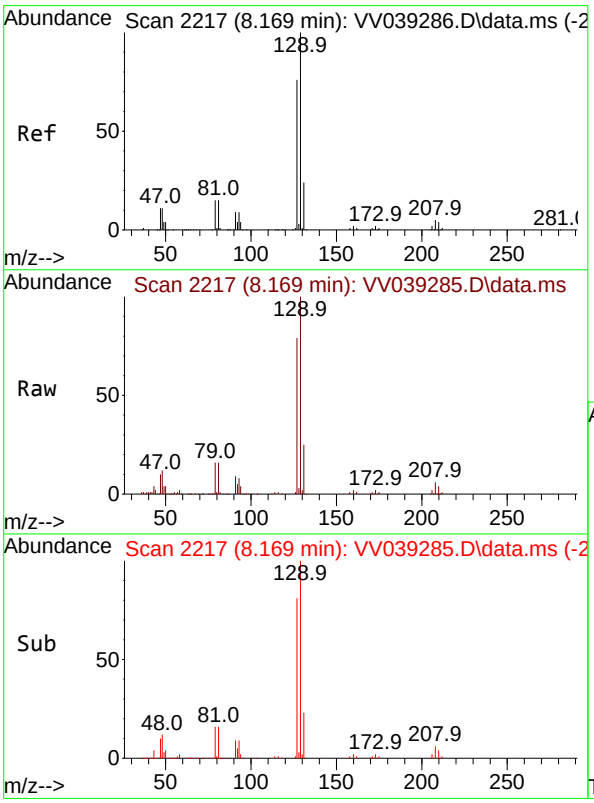
#59
2-Hexanone
Concen: 110.005 ug/l
RT: 8.066 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 908449

Ion	Ratio	Lower	Upper
43	100		
58	56.3	29.6	88.9

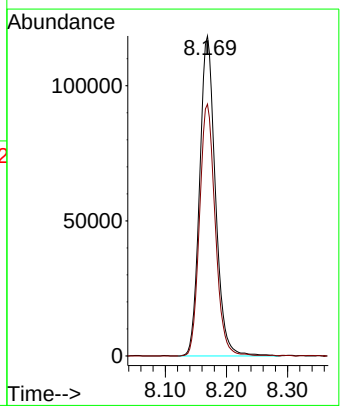


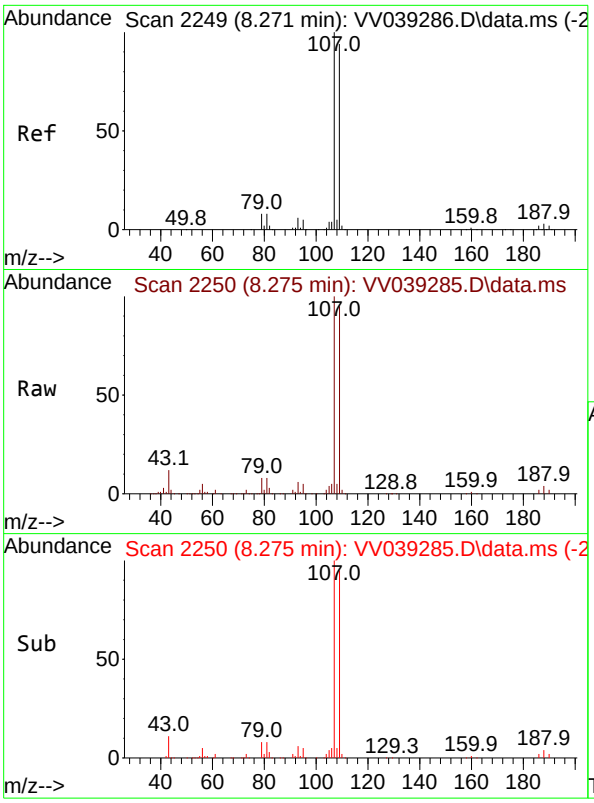


#60
Dibromochloromethane
Concen: 19.612 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:129 Resp: 212222

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.4	115.1



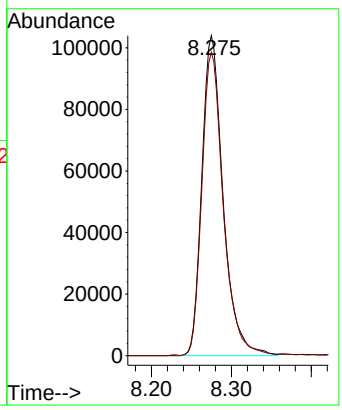


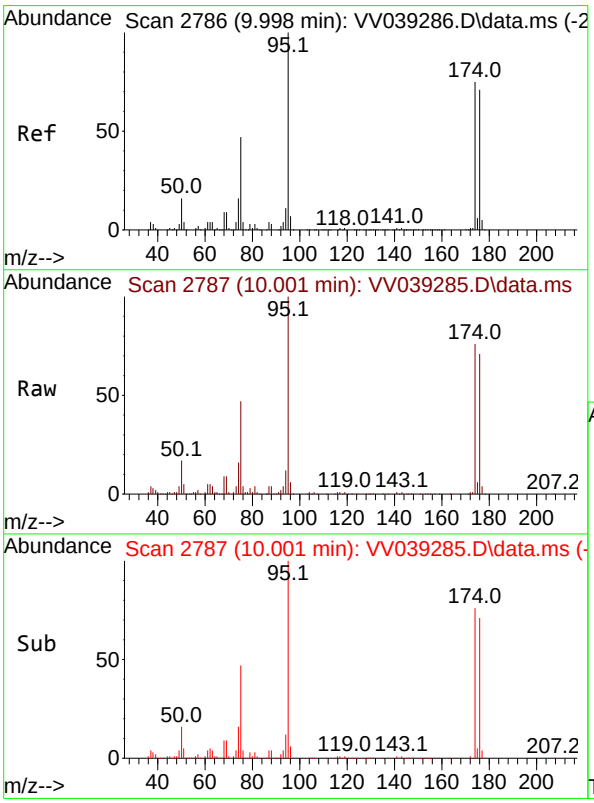
#61
1,2-Dibromoethane
Concen: 19.973 ug/l
RT: 8.275 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 192471

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.8	113.6

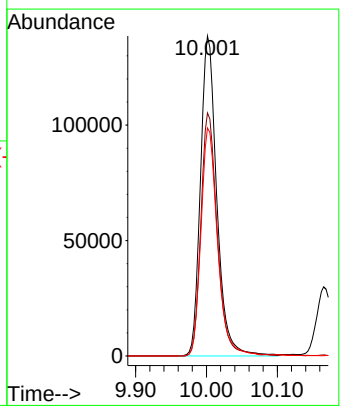


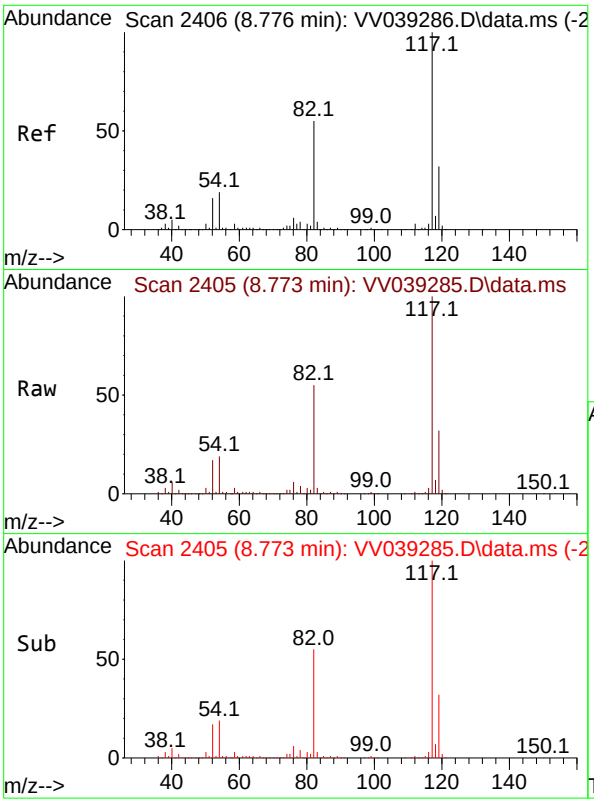


#62
4-Bromofluorobenzene
Concen: 21.743 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 95 Resp: 221880

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	153.6
176	72.1	0.0	146.0



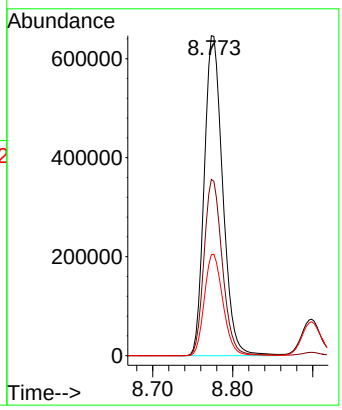


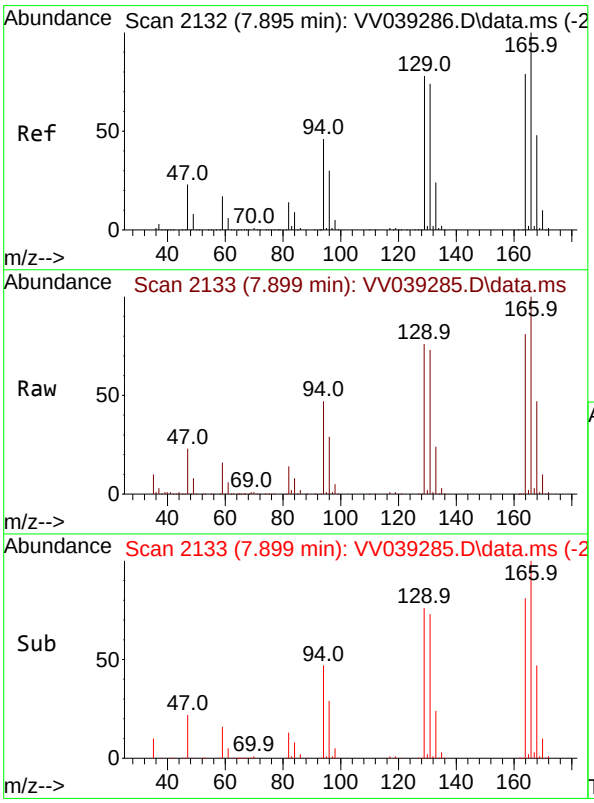
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 1038940

Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.8	65.8
119	31.5	25.8	38.6

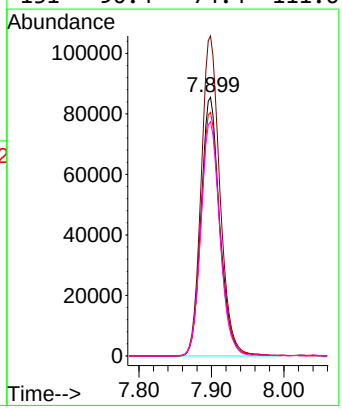


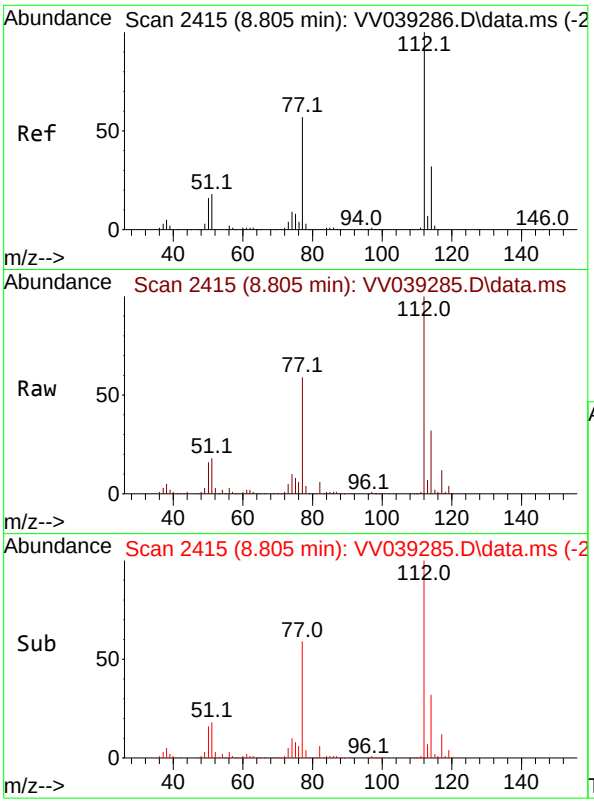


#64
Tetrachloroethene
Concen: 20.274 ug/l
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:164 Resp: 153650

Ion	Ratio	Lower	Upper
164	100		
166	123.5	101.0	151.6
129	94.2	79.0	118.6
131	90.4	74.4	111.6



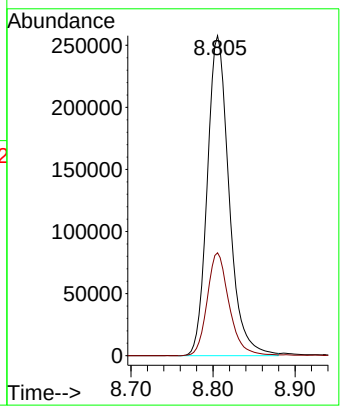


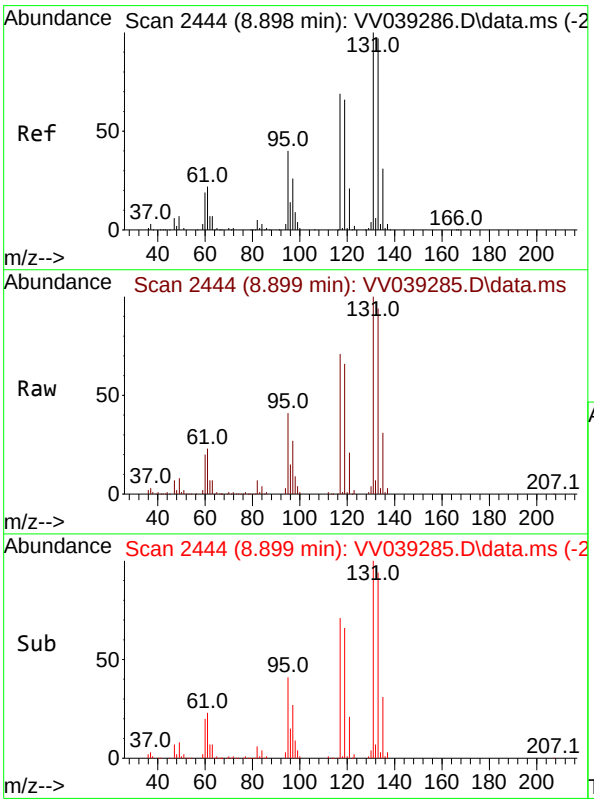
#65
Chlorobenzene
Concen: 19.346 ug/l
RT: 8.805 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 475825

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

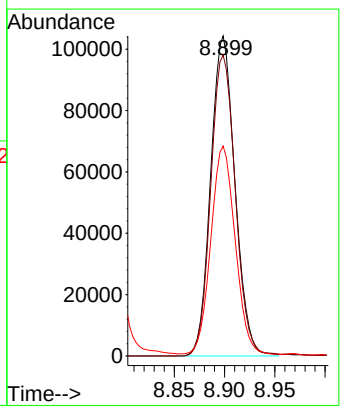


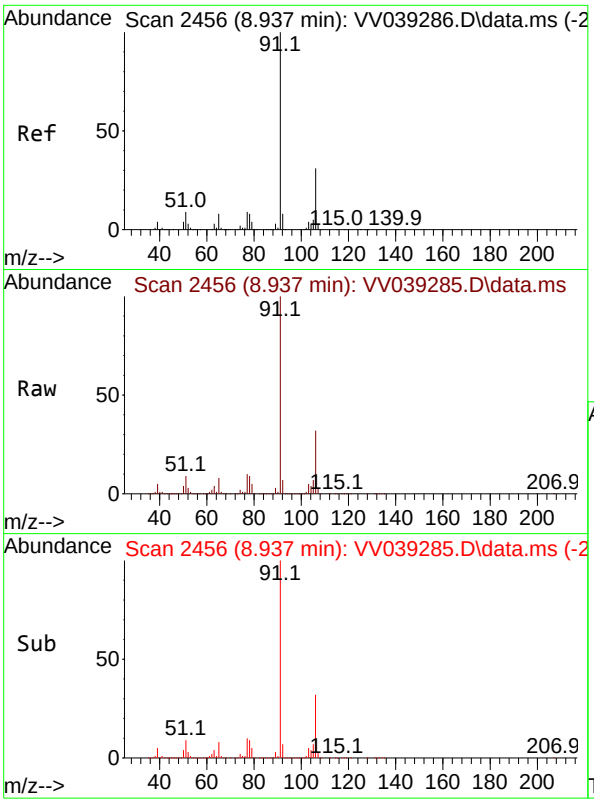


#66
1,1,1,2-Tetrachloroethane
Concen: 19.024 ug/l
RT: 8.899 min Scan# 2444
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:131 Resp: 175260

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.8	143.3
119	65.4	32.7	98.1



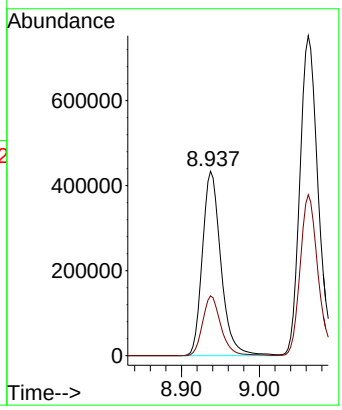


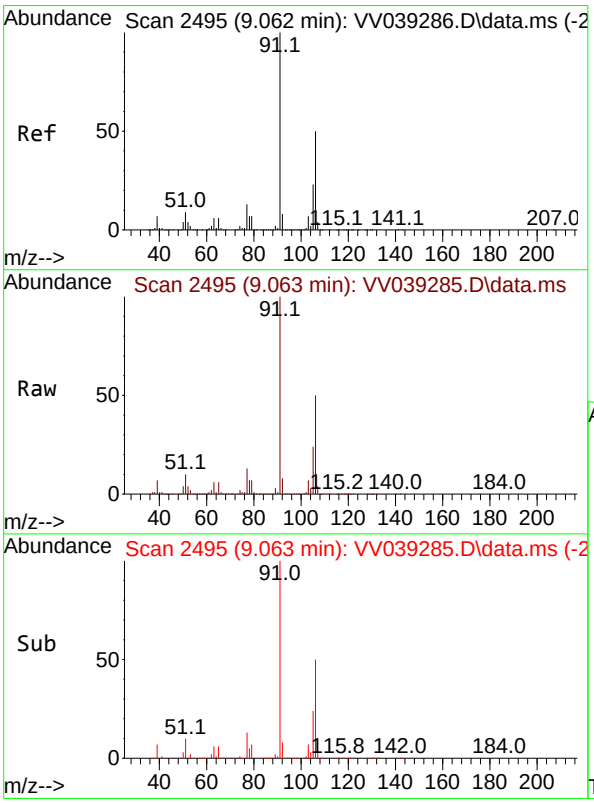
#67
Ethyl Benzene
Concen: 19.840 ug/l
RT: 8.937 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 718792

Ion	Ratio	Lower	Upper
91	100		
106	32.4	24.6	37.0

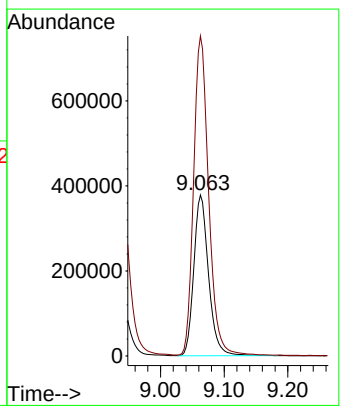


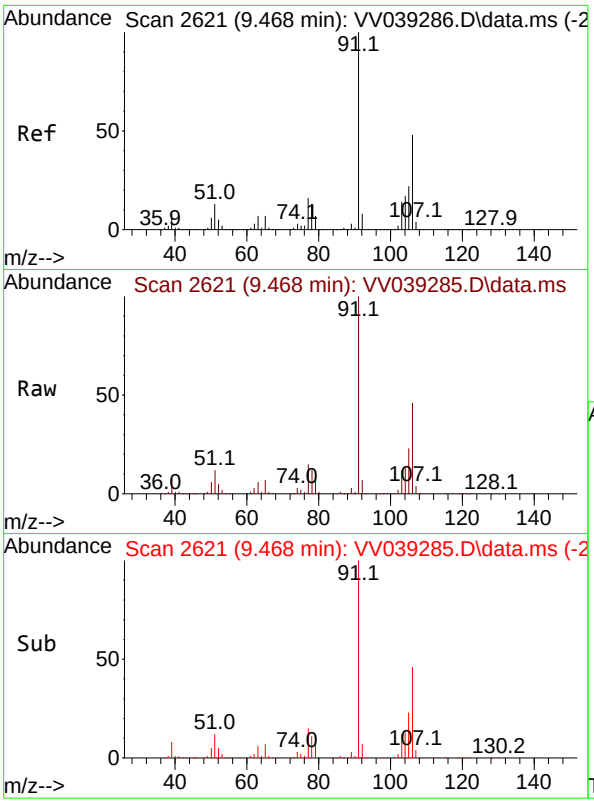


#68
m/p-Xylenes
Concen: 42.423 ug/l
RT: 9.063 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:106 Resp: 609583

Ion	Ratio	Lower	Upper
106	100		
91	202.1	160.2	240.2



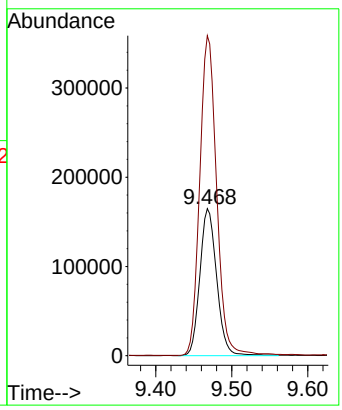


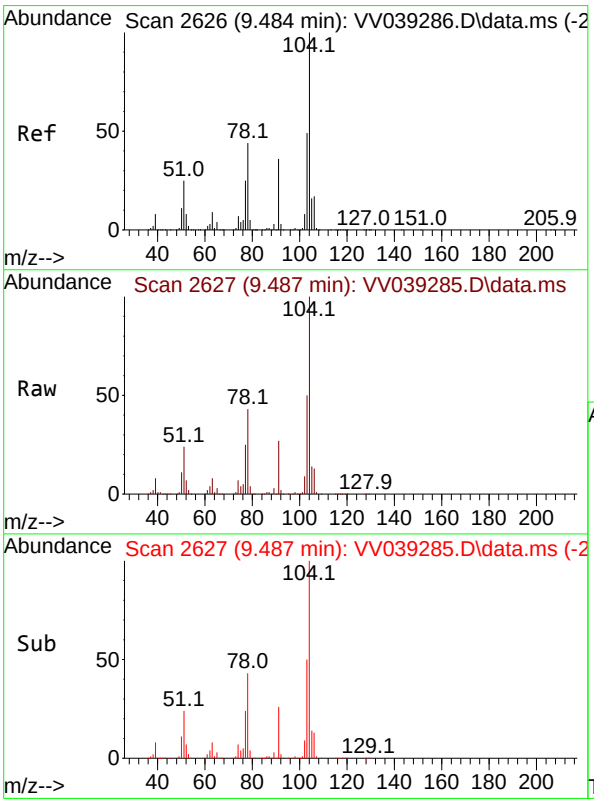
#69
o-Xylene
Concen: 19.969 ug/l
RT: 9.468 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 253402

Ion	Ratio	Lower	Upper
106	100		
91	216.8	105.8	317.3

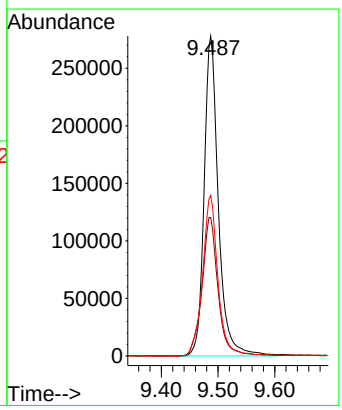


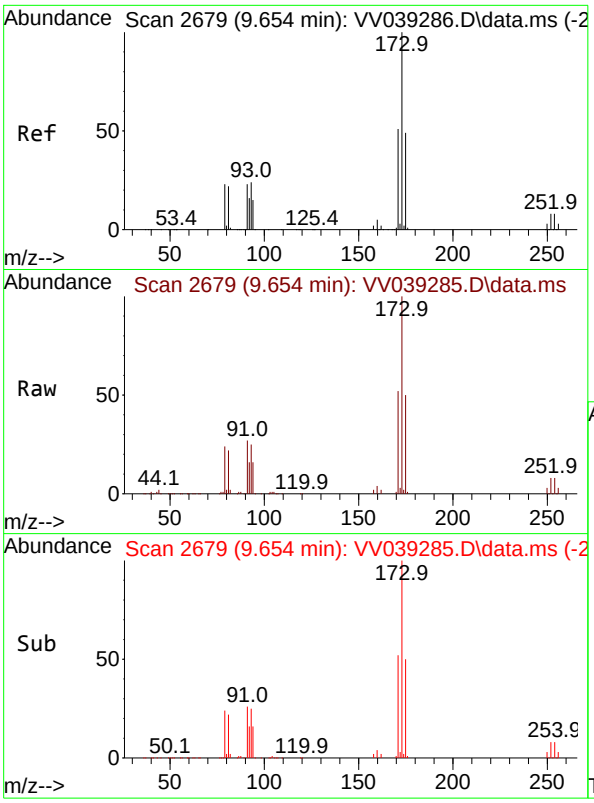


#70
Styrene
Concen: 21.538 ug/l
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:104 Resp: 486311

Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.9	58.3
103	54.6	42.9	64.3



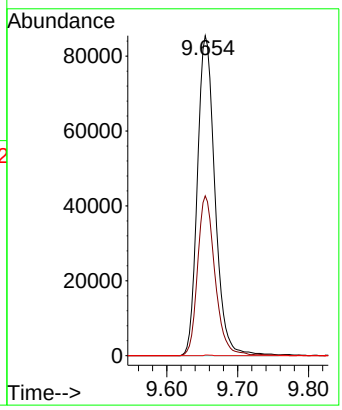


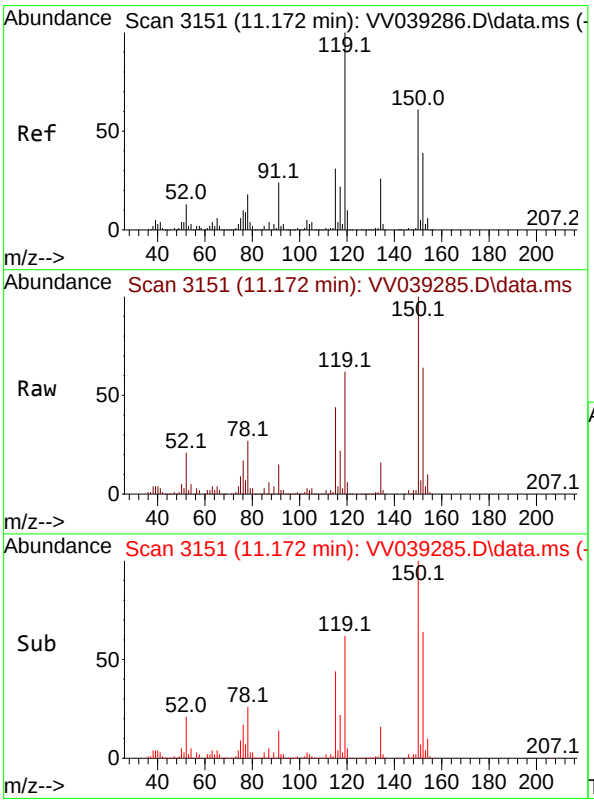
#71
Bromoform
Concen: 19.741 ug/l
RT: 9.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 147076

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.1	0.2	0.2#

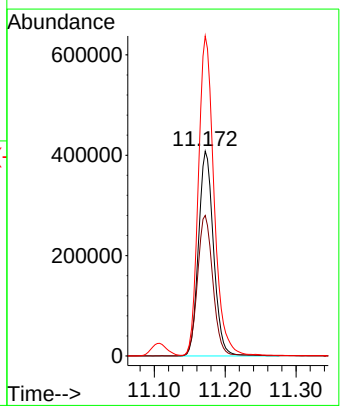


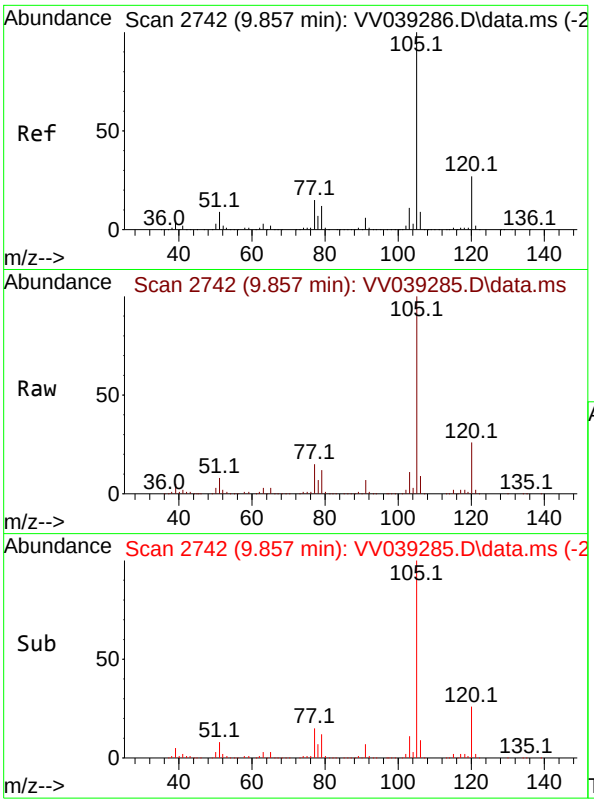


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:152 Resp: 599936

Ion	Ratio	Lower	Upper
152	100		
115	70.1	42.3	126.8
150	163.1	0.0	348.0



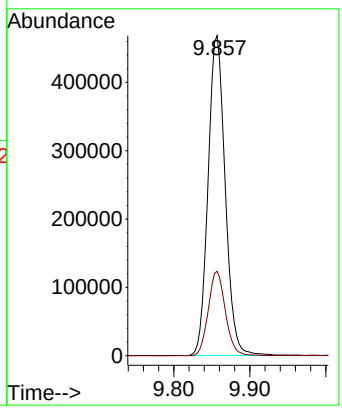


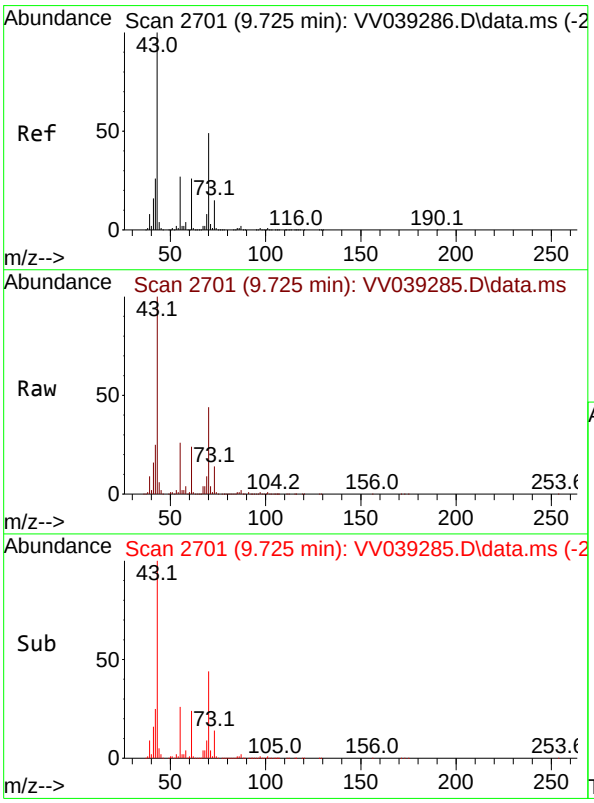
#73
Isopropylbenzene
Concen: 20.093 ug/l
RT: 9.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 731989

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5

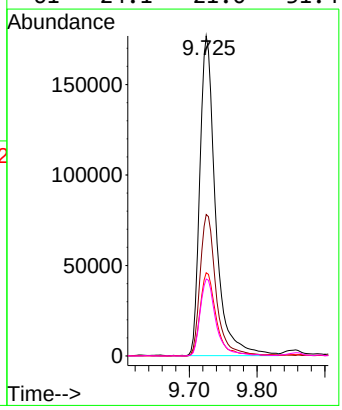


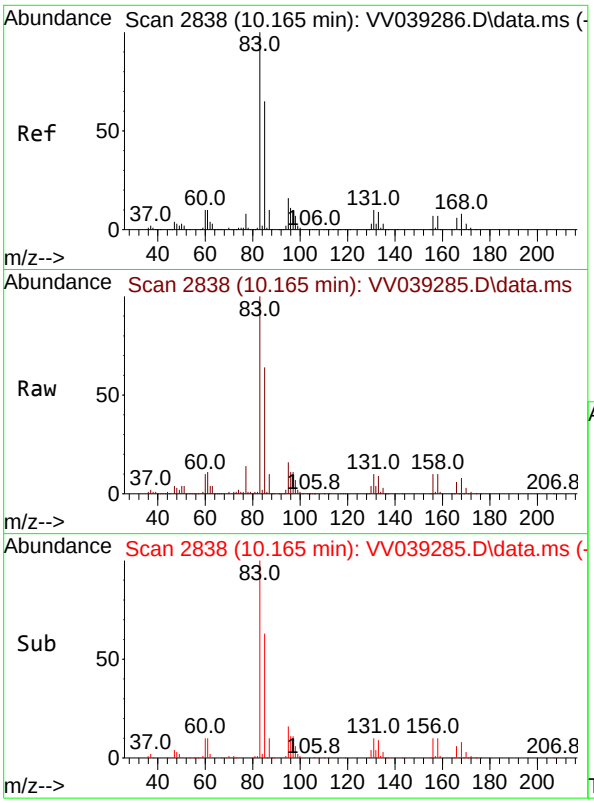


#74
N-amyl acetate
Concen: 18.876 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 43 Resp: 285451

Ion	Ratio	Lower	Upper
43	100		
70	44.8	38.6	58.0
55	26.5	21.9	32.9
61	24.1	21.0	31.4



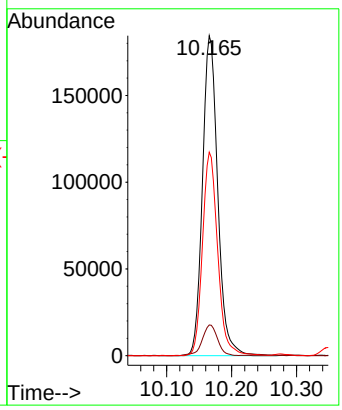


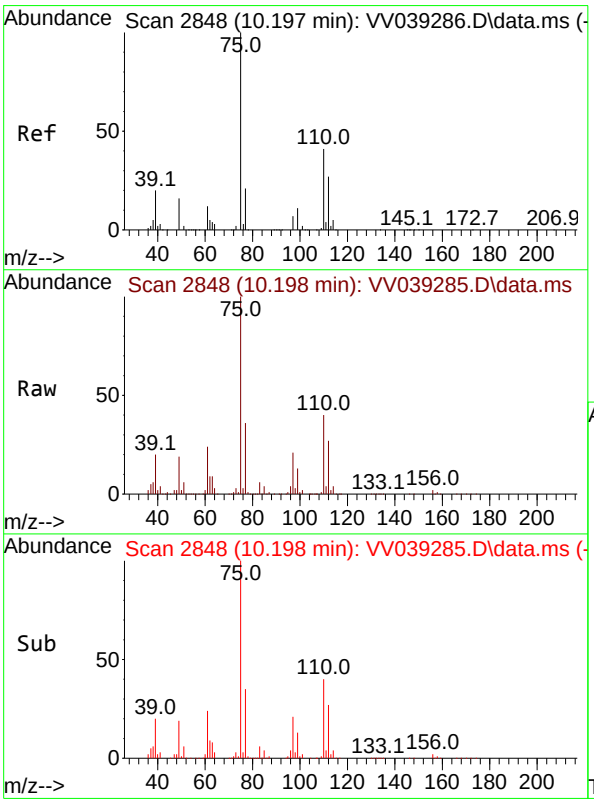
#75
1,1,2,2-Tetrachloroethane
Concen: 18.070 ug/l
RT: 10.165 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 302311

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	15.0
85	63.3	32.4	97.2

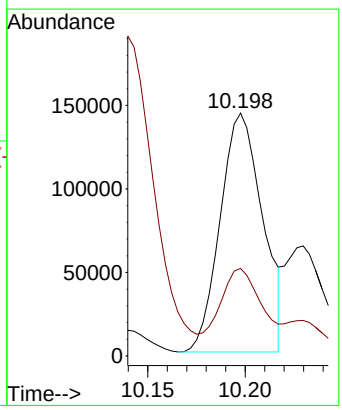


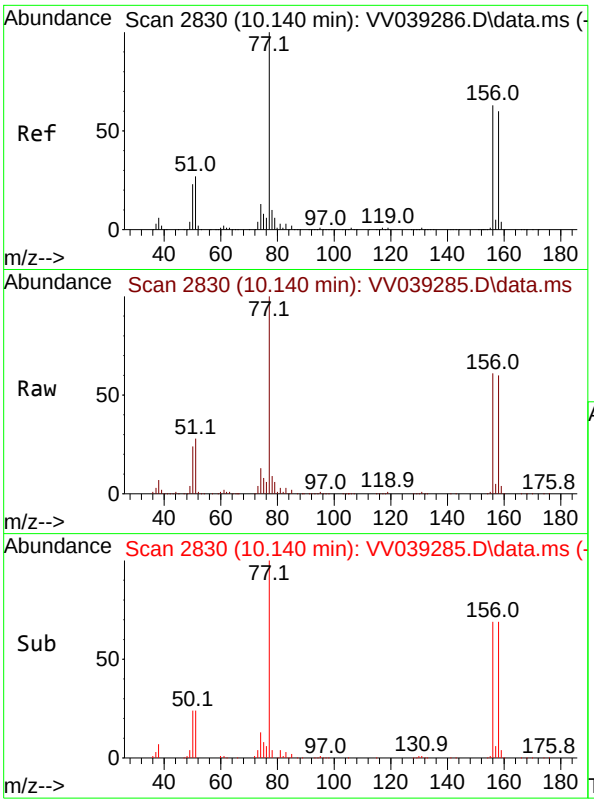


#76
1,2,3-Trichloropropane
Concen: 18.090 ug/l
RT: 10.198 min Scan# 2848
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 75 Resp: 216610

Ion	Ratio	Lower	Upper
75	100		
77	23.8	12.2	36.4



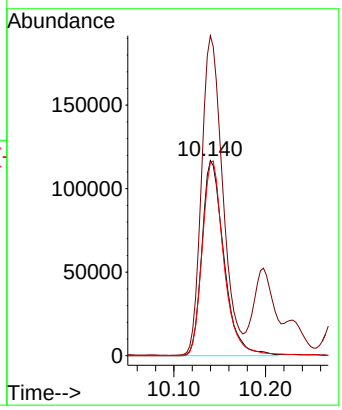


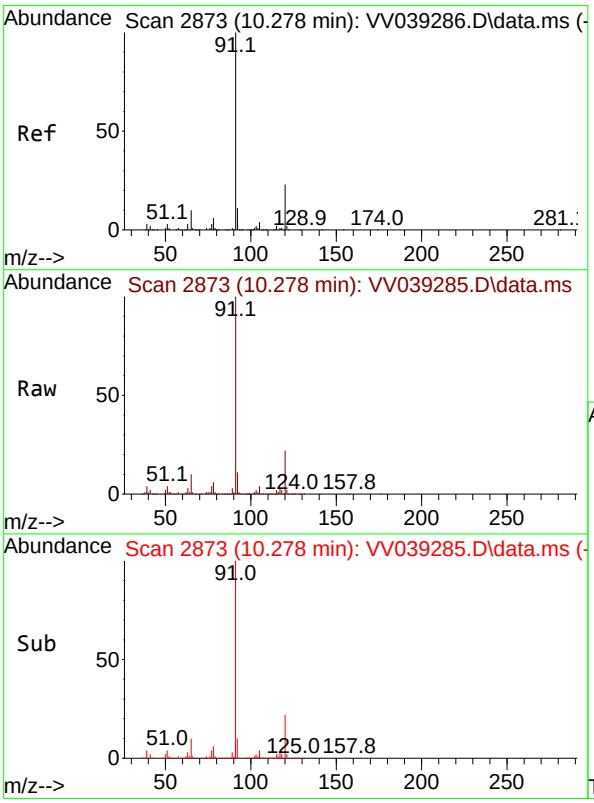
#77
Bromobenzene
Concen: 19.381 ug/l
RT: 10.140 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 194095

Ion	Ratio	Lower	Upper
156	100		
77	157.7	78.4	235.2
158	98.6	47.7	143.1

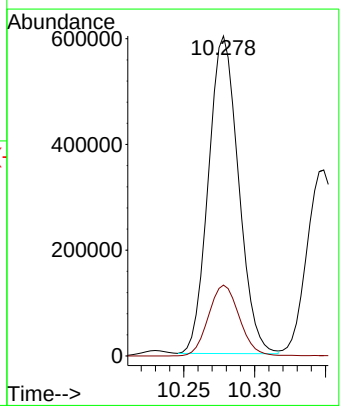


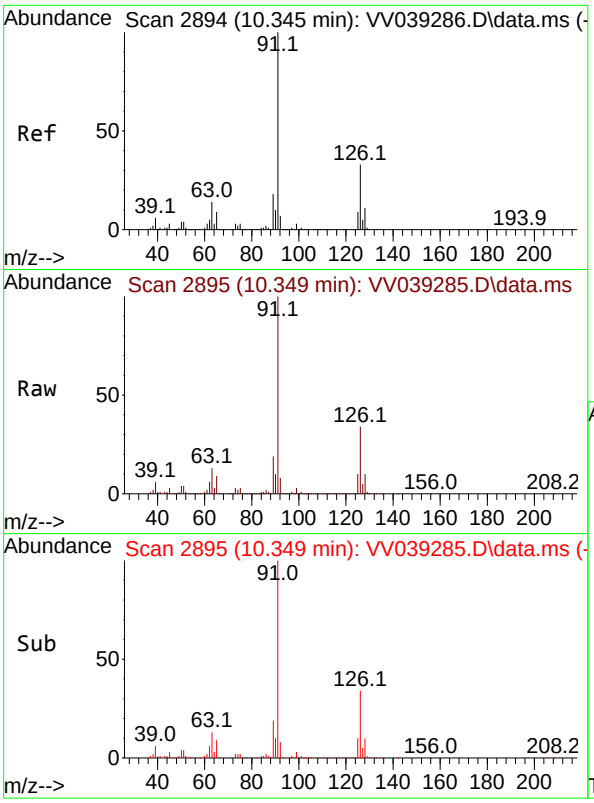


#78
n-propylbenzene
Concen: 20.077 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 91 Resp: 887506

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5



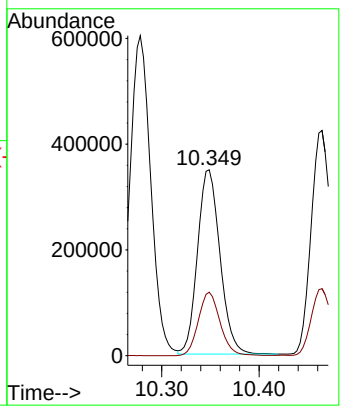


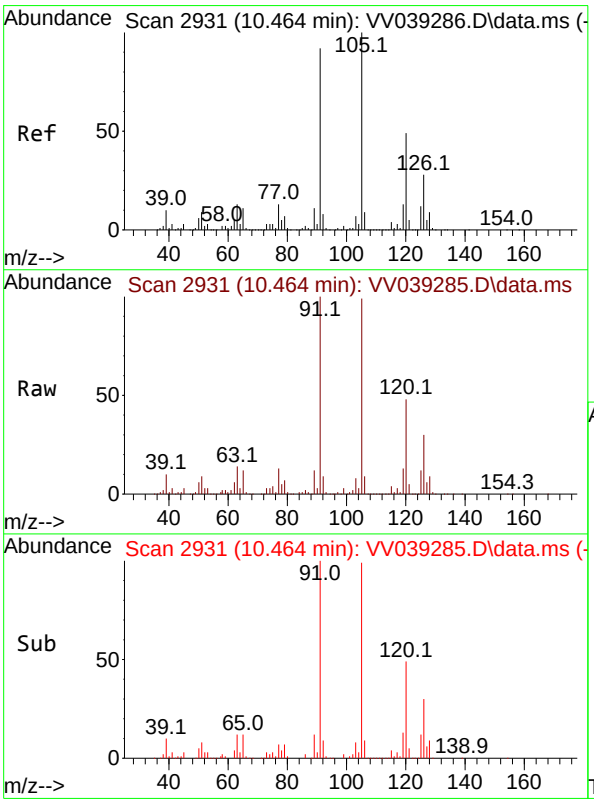
#79
2-Chlorotoluene
Concen: 20.505 ug/l
RT: 10.349 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 559619

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.9	50.6

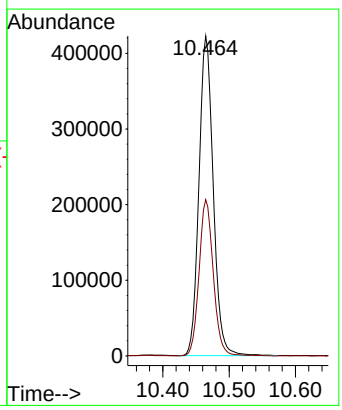


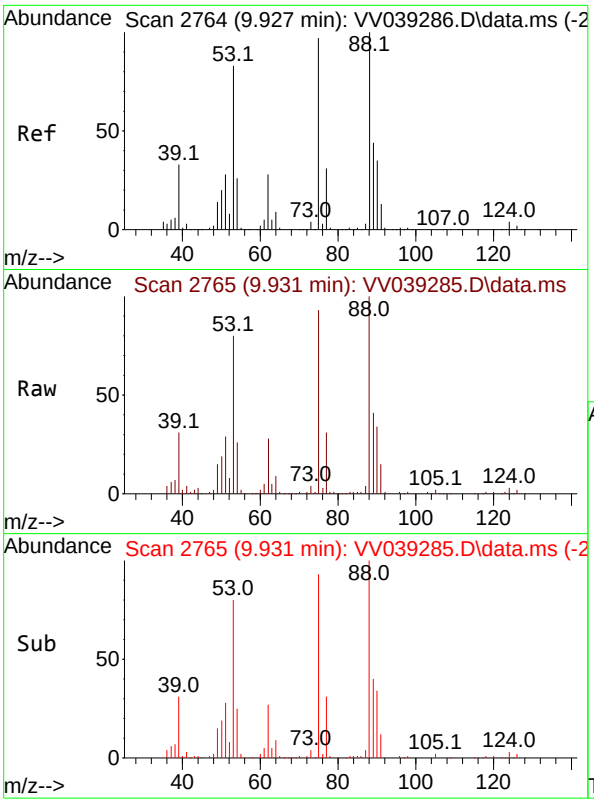


#80
1,3,5-Trimethylbenzene
Concen: 20.708 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:105 Resp: 632709

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	73.0



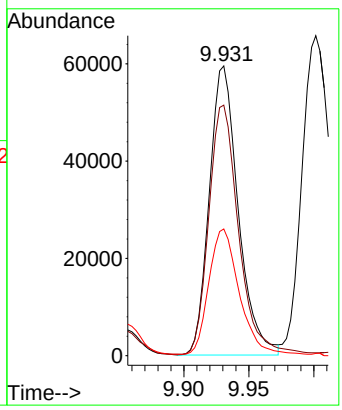


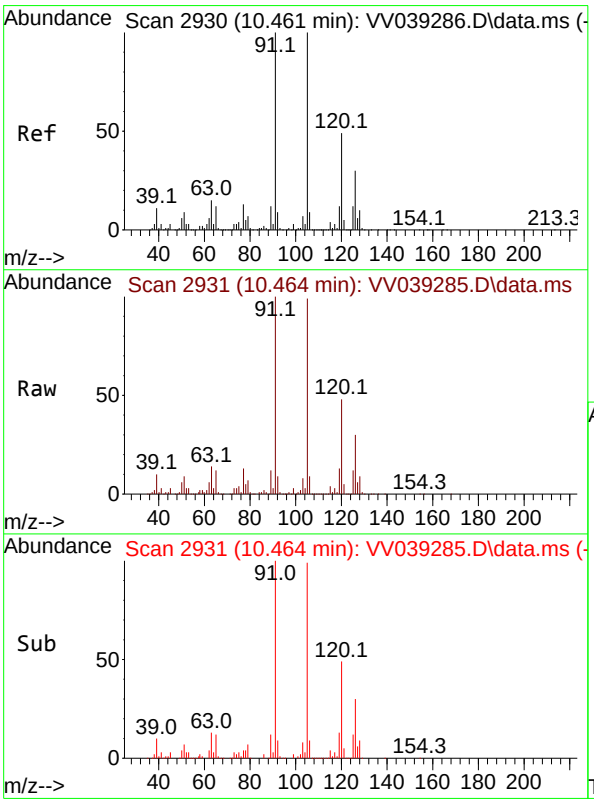
#81
trans-1,4-Dichloro-2-butene
Concen: 19.416 ug/l
RT: 9.931 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 92057

Ion	Ratio	Lower	Upper
75	100		
53	88.5	69.9	104.9
89	45.7	37.4	56.0

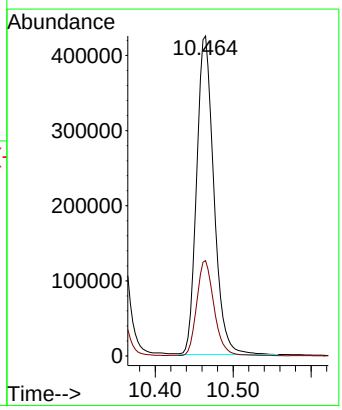


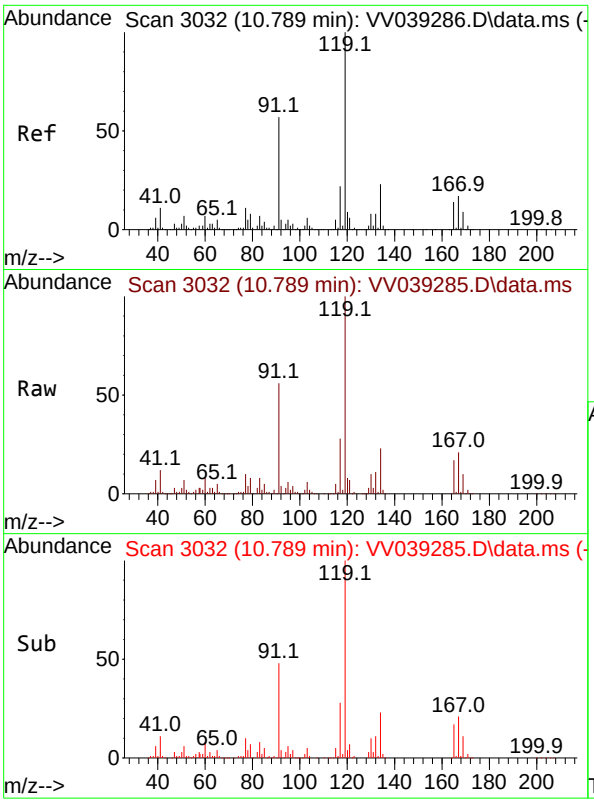


#82
4-Chlorotoluene
Concen: 20.733 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 91 Resp: 650385

Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.8	44.4



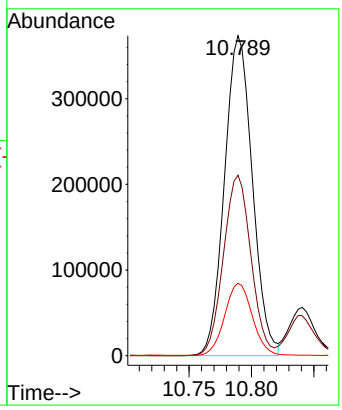


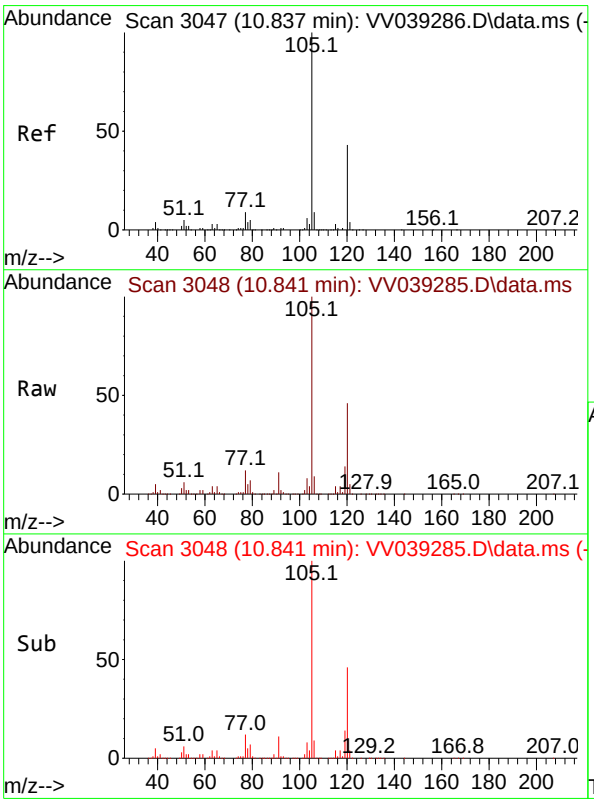
#83
tert-Butylbenzene
Concen: 19.203 ug/l
RT: 10.789 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 582590

Ion	Ratio	Lower	Upper
119	100		
91	55.5	28.2	84.7
134	22.7	11.5	34.4

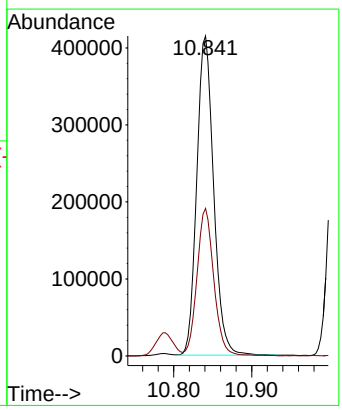


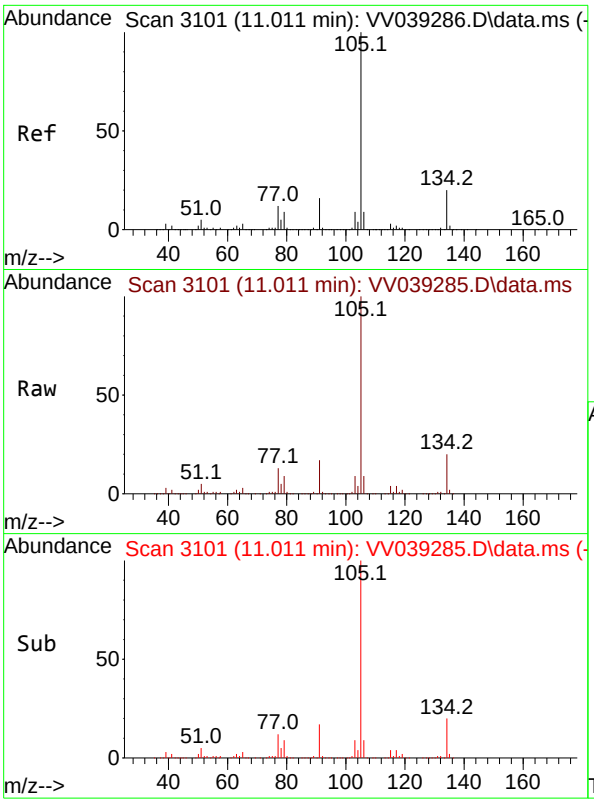


#84
1,2,4-Trimethylbenzene
Concen: 20.697 ug/l
RT: 10.841 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:105 Resp: 622532

Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.8	68.4



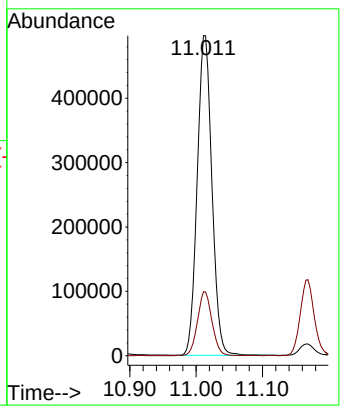


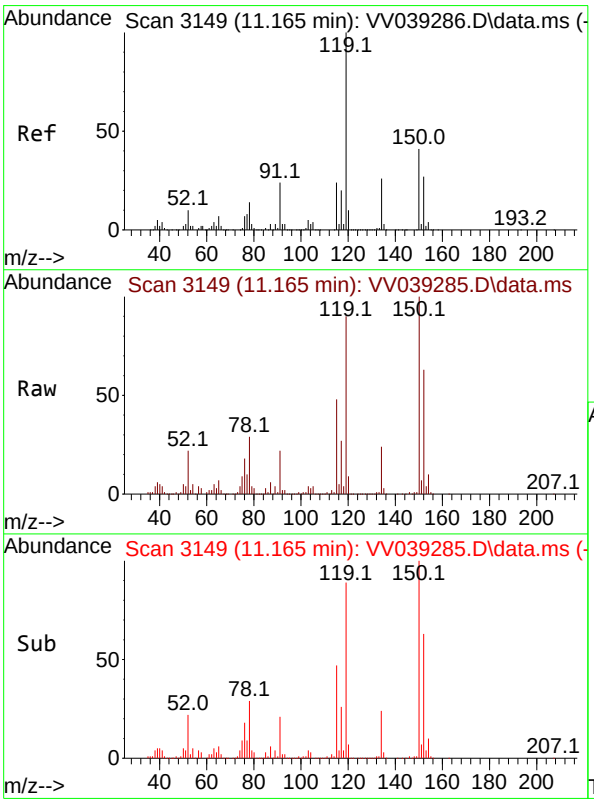
#85
sec-Butylbenzene
Concen: 19.954 ug/l
RT: 11.011 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 765416

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

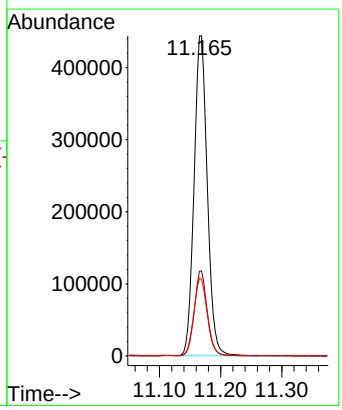


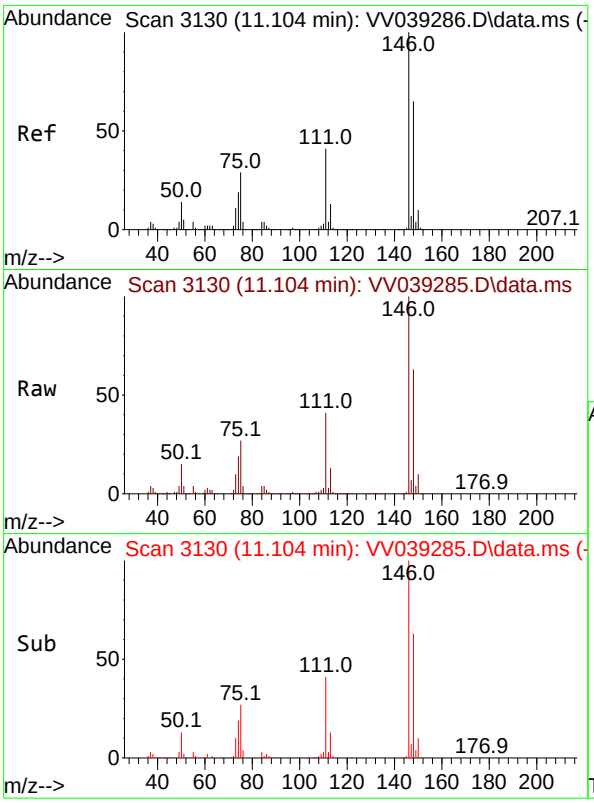


#86
p-Isopropyltoluene
Concen: 20.202 ug/l
RT: 11.165 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:119 Resp: 666282

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	24.6	12.2	36.4



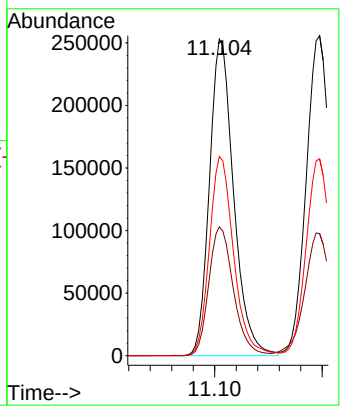


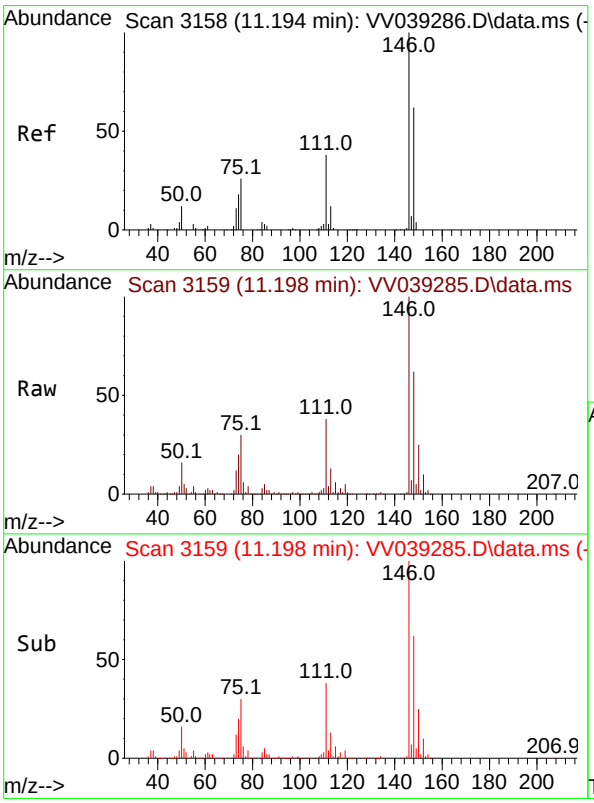
#87
1,3-Dichlorobenzene
Concen: 19.824 ug/l
RT: 11.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 396003

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	63.1	31.9	95.9

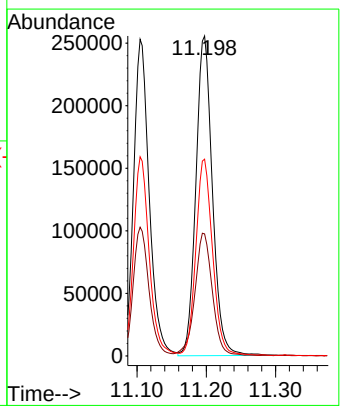


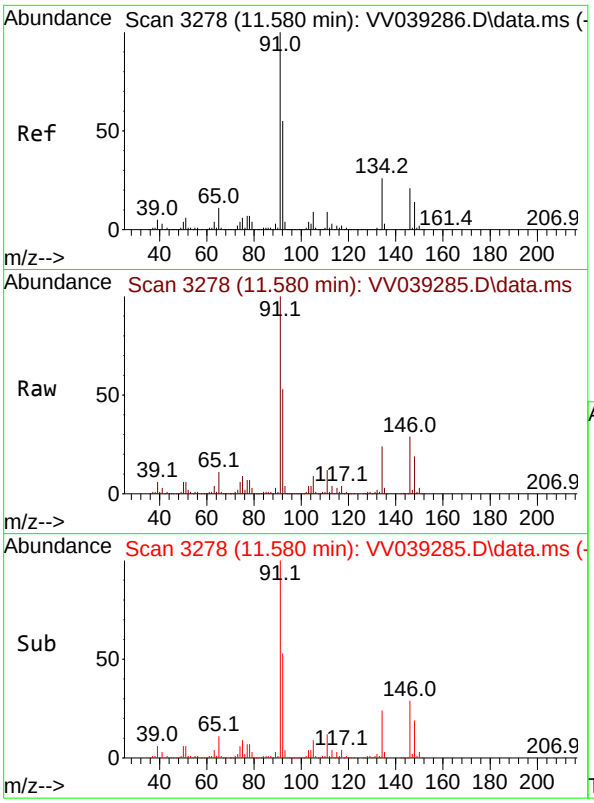


#88
1,4-Dichlorobenzene
Concen: 18.852 ug/l
RT: 11.198 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:146 Resp: 424481

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.0
148	61.8	31.5	94.5



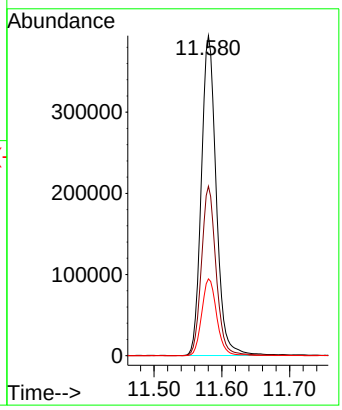


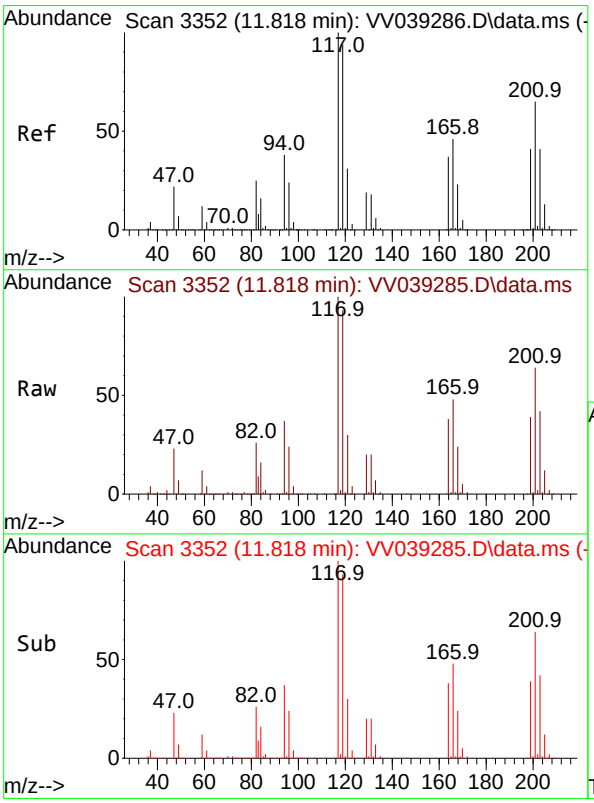
#89
n-Butylbenzene
Concen: 19.588 ug/l
RT: 11.580 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 601624

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.6
134	24.2	12.6	37.8

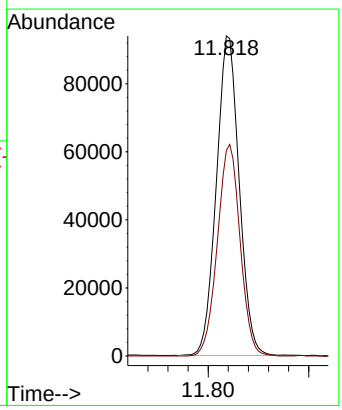


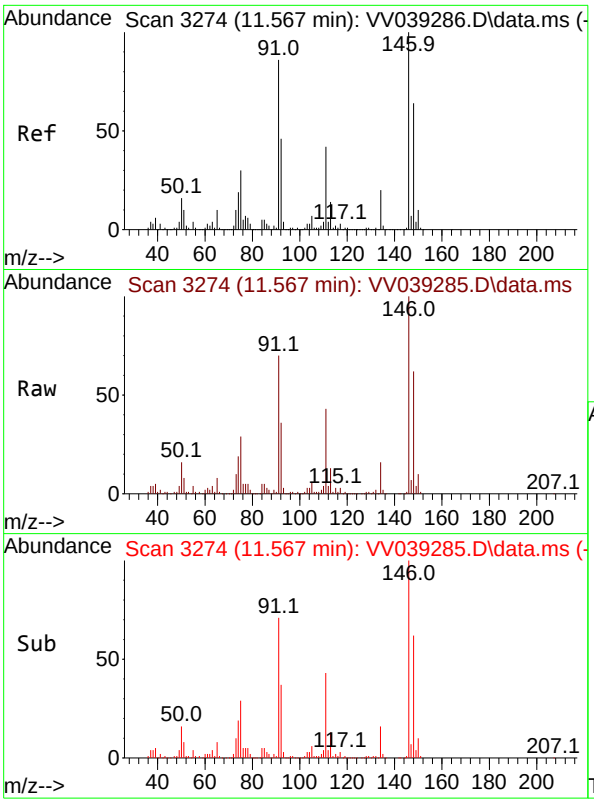


#90
Hexachloroethane
Concen: 18.119 ug/l
RT: 11.818 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:117 Resp: 147765

Ion	Ratio	Lower	Upper
117	100		
201	65.9	33.7	101.1



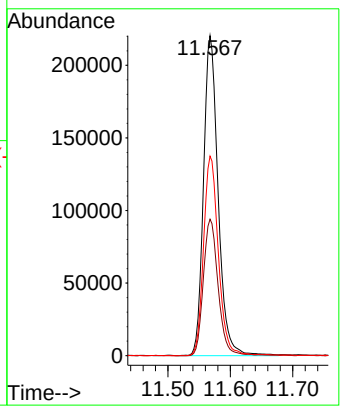


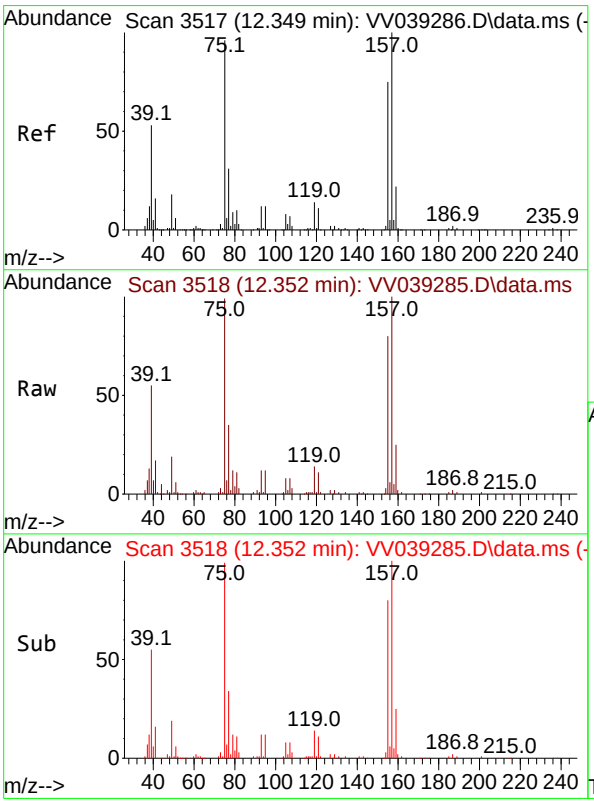
#91
1,2-Dichlorobenzene
Concen: 18.913 ug/l
RT: 11.567 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 359381

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	64.0
148	63.2	31.9	95.7

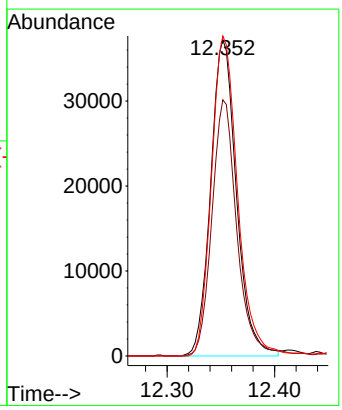


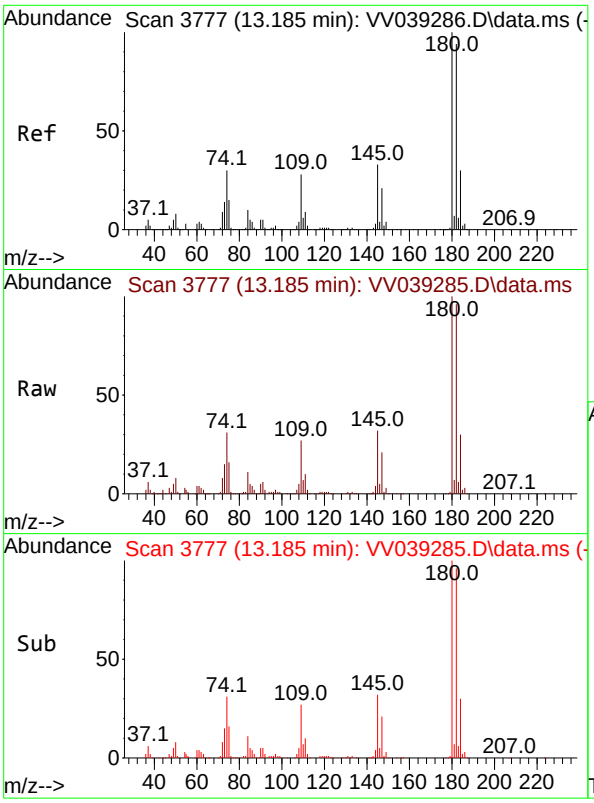


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.990 ug/l
RT: 12.352 min Scan# 3518
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion: 75 Resp: 61887

Ion	Ratio	Lower	Upper
75	100		
155	79.2	40.8	122.5
157	103.4	53.3	160.0



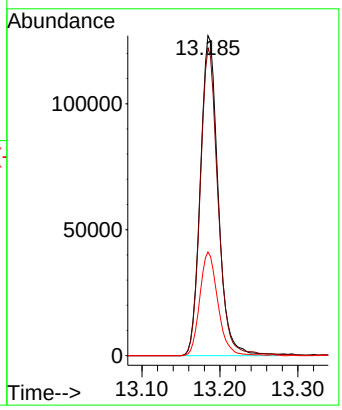


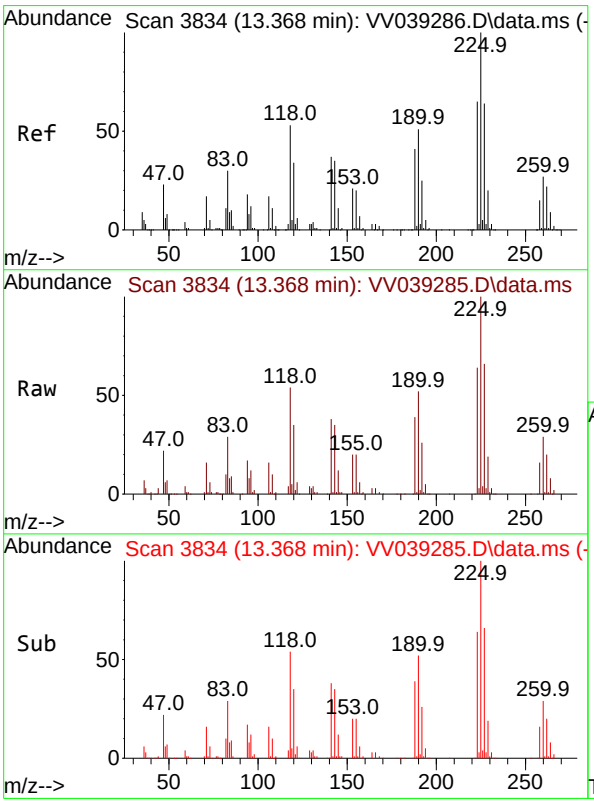
#93
1,2,4-Trichlorobenzene
Concen: 18.990 ug/l
RT: 13.185 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 201256

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.9
145	32.9	16.3	48.9

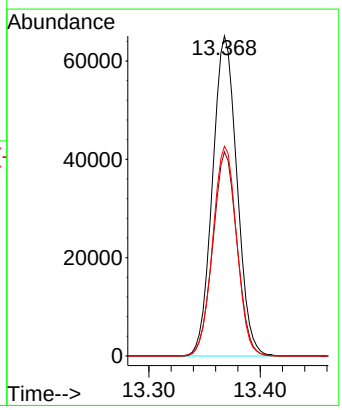


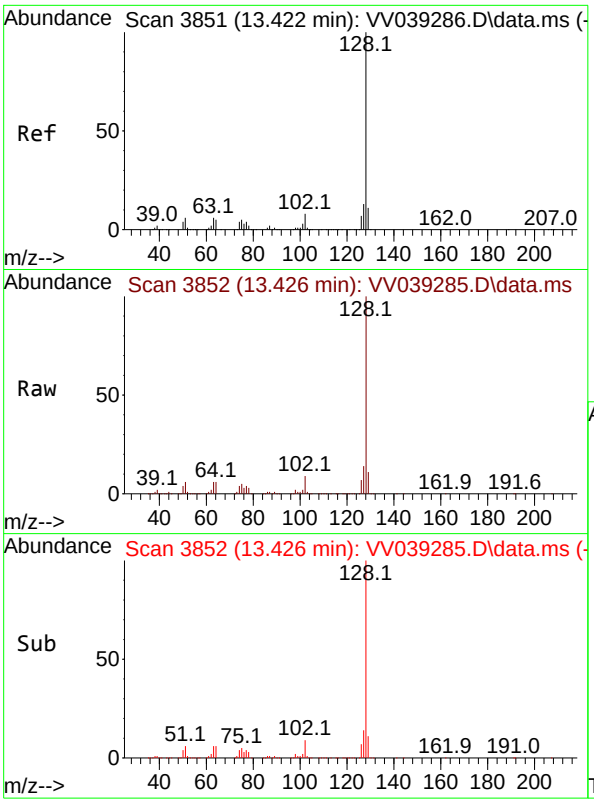


#94
Hexachlorobutadiene
Concen: 18.478 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:225 Resp: 99161

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.8
227	64.4	31.7	95.1



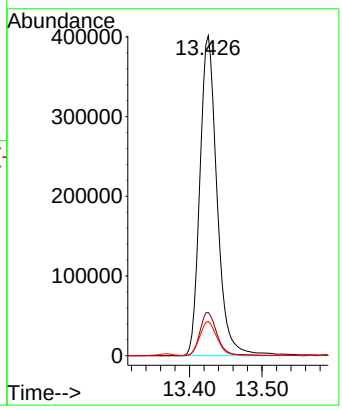


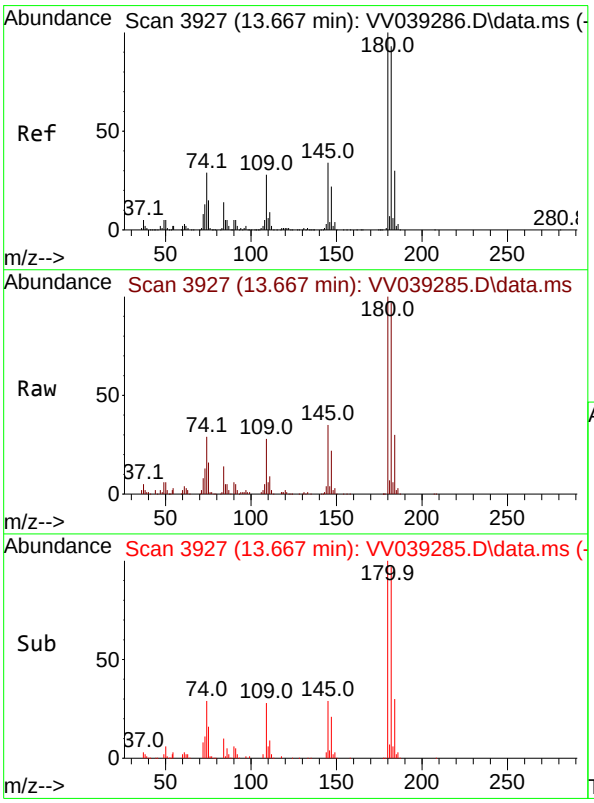
#95
Naphthalene
Concen: 19.021 ug/l
RT: 13.426 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 660463

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.6	8.6	12.8

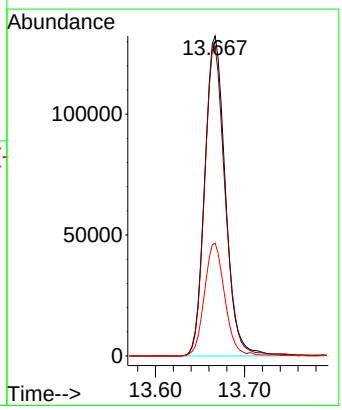




#96
1,2,3-Trichlorobenzene
Concen: 19.228 ug/l
RT: 13.667 min Scan# 3927
Delta R.T. 0.000 min
Lab File: VV039285.D
Acq: 07 Oct 2025 10:47

Tgt Ion:180 Resp: 211792

Ion	Ratio	Lower	Upper
180	100		
182	97.0	46.7	140.1
145	34.9	17.2	51.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039286.D
Acq On : 07 Oct 2025 11:10
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Oct 08 04:42:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	740677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1137525	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1093562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	625297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	488198	46.386	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118			Recovery = 92.780%		
35) Dibromofluoromethane	4.500	113	428600	47.819	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119			Recovery = 95.640%		
50) Toluene-d8	7.236	98	1539340	50.485	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112			Recovery = 100.960%		
62) 4-Bromofluorobenzene	9.998	95	566407	52.159	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114			Recovery = 104.320%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	443023	47.323	ug/l	100
3) Chloromethane	1.230	50	435874	44.721	ug/l	100
4) Vinyl Chloride	1.298	62	493417	44.374	ug/l	100
5) Bromomethane	1.494	94	312191	43.273	ug/l	100
6) Chloroethane	1.558	64	310524	50.611	ug/l	100
7) Trichlorofluoromethane	1.725	101	734860	43.261	ug/l	100
8) Diethyl Ether	1.918	74	267132	43.517	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.082	101	442207	43.475	ug/l	100
10) Methyl Iodide	2.198	142	471195	53.768	ug/l	100
11) Tert butyl alcohol	2.571	59	442966	217.179	ug/l	100
12) 1,1-Dichloroethene	2.082	96	421677	42.222	ug/l	100
13) Acrolein	2.008	56	278306	235.571	ug/l	100
14) Allyl chloride	2.359	41	689035	43.522	ug/l	100
15) Acrylonitrile	2.674	53	1273054	210.469	ug/l	100
16) Acetone	2.117	43	1256942	257.316	ug/l	100
17) Carbon Disulfide	2.252	76	1176778	41.716	ug/l	100
18) Methyl Acetate	2.378	43	613033	44.951	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	1332092	44.314	ug/l	100
20) Methylene Chloride	2.455	84	464083	49.670	ug/l	100
21) trans-1,2-Dichloroethene	2.699	96	438618	41.712	ug/l	100
22) Diisopropyl ether	3.217	45	1318892	46.400	ug/l	100
23) Vinyl Acetate	3.188	43	5764450	231.003	ug/l	100
24) 1,1-Dichloroethane	3.117	63	808699	42.467	ug/l	100
25) 2-Butanone	3.867	43	1580057	246.195	ug/l	100
26) 2,2-Dichloropropane	3.812	77	677781	44.190	ug/l	100
27) cis-1,2-Dichloroethene	3.818	96	486141	46.173	ug/l	100
28) Bromochloromethane	4.146	49	363013	43.620	ug/l	100
29) Tetrahydrofuran	4.236	42	995120	241.876	ug/l	100
30) Chloroform	4.278	83	829923	42.736	ug/l	100
31) Cyclohexane	4.584	56	645772	46.558	ug/l	100
32) 1,1,1-Trichloroethane	4.513	97	741951	43.698	ug/l	100
36) 1,1-Dichloropropene	4.744	75	539826	47.953	ug/l	100
37) Ethyl Acetate	3.976	43	593418	45.175	ug/l	100
38) Carbon Tetrachloride	4.735	117	632245	44.309	ug/l	100
39) Methylcyclohexane	6.047	83	669190	52.013	ug/l	100
40) Benzene	5.008	78	1732886	47.972	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039286.D
Acq On : 07 Oct 2025 11:10
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Oct 08 04:42:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.162	41	273424	48.559	ug/l		100
42) 1,2-Dichloroethane	5.040	62	570110	44.969	ug/l		100
43) Isopropyl Acetate	5.194	43	876691	48.837	ug/l		100
44) Trichloroethene	5.831	130	428718	47.195	ug/l		100
45) 1,2-Dichloropropane	6.088	63	432860	49.244	ug/l		100
46) Dibromomethane	6.223	93	331656	45.141	ug/l		100
47) Bromodichloromethane	6.426	83	662775	45.783	ug/l		100
48) Methyl methacrylate	6.297	41	415059	51.925	ug/l		100
49) 1,4-Dioxane	6.291	88	132823	998.879	ug/l		100
51) 4-Methyl-2-Pentanone	7.149	43	3092633	258.354	ug/l		100
52) Toluene	7.307	92	1104357	50.633	ug/l		100
53) t-1,3-Dichloropropene	7.574	75	638831	50.493	ug/l		100
54) cis-1,3-Dichloropropene	6.947	75	707649	50.309	ug/l		100
55) 1,1,2-Trichloroethane	7.760	97	454676	46.167	ug/l		100
56) Ethyl methacrylate	7.715	69	628899	57.196	ug/l		100
57) 1,3-Dichloropropane	7.934	76	723830	48.704	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.812	63	1696282	251.146	ug/l		100
59) 2-Hexanone	8.063	43	2355430	268.024	ug/l		100
60) Dibromochloromethane	8.169	129	533708	46.348	ug/l		100
61) 1,2-Dibromoethane	8.271	107	485299	47.323	ug/l		100
64) Tetrachloroethene	7.895	164	375765	47.105	ug/l		100
65) Chlorobenzene	8.805	112	1220837	47.158	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.898	131	445040	45.895	ug/l		100
67) Ethyl Benzene	8.937	91	2040911	53.520	ug/l		100
68) m/p-Xylenes	9.062	106	1670888	110.475	ug/l		100
69) o-Xylene	9.468	106	745603	55.823	ug/l		100
70) Styrene	9.484	104	1375448	57.875	ug/l		100
71) Bromoform	9.654	173	371541	47.379	ug/l	#	100
73) Isopropylbenzene	9.857	105	2026988	53.383	ug/l		100
74) N-amyl acetate	9.725	43	800323	50.776	ug/l		100
75) 1,1,2,2-Tetrachloroethane	10.165	83	737774	42.309	ug/l		100
76) 1,2,3-Trichloropropane	10.197	75	557918	44.704	ug/l		100
77) Bromobenzene	10.140	156	511049	48.959	ug/l		100
78) n-propylbenzene	10.278	91	2457311	53.335	ug/l		100
79) 2-Chlorotoluene	10.345	91	1475472	51.870	ug/l		100
80) 1,3,5-Trimethylbenzene	10.464	105	1751408	54.996	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.927	75	251705	50.935	ug/l		100
82) 4-Chlorotoluene	10.461	91	1748616	53.481	ug/l		100
83) tert-Butylbenzene	10.789	119	1659866	52.491	ug/l		100
84) 1,2,4-Trimethylbenzene	10.837	105	1742653	55.586	ug/l		100
85) sec-Butylbenzene	11.011	105	2167600	54.215	ug/l		100
86) p-Isopropyltoluene	11.165	119	1855256	53.970	ug/l		100
87) 1,3-Dichlorobenzene	11.104	146	1008275	48.428	ug/l		100
88) 1,4-Dichlorobenzene	11.194	146	1058637	45.109	ug/l		100
89) n-Butylbenzene	11.580	91	1740657	54.374	ug/l		100
90) Hexachloroethane	11.818	117	371889	43.751	ug/l		100
91) 1,2-Dichlorobenzene	11.567	146	947801	47.855	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	156001	43.509	ug/l		100
93) 1,2,4-Trichlorobenzene	13.185	180	579179	52.434	ug/l		100
94) Hexachlorobutadiene	13.368	225	251863	45.029	ug/l		100
95) Naphthalene	13.422	128	2054704	56.776	ug/l		100
96) 1,2,3-Trichlorobenzene	13.667	180	597768	52.069	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039286.D
Acq On : 07 Oct 2025 11:10
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Oct 08 04:42:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

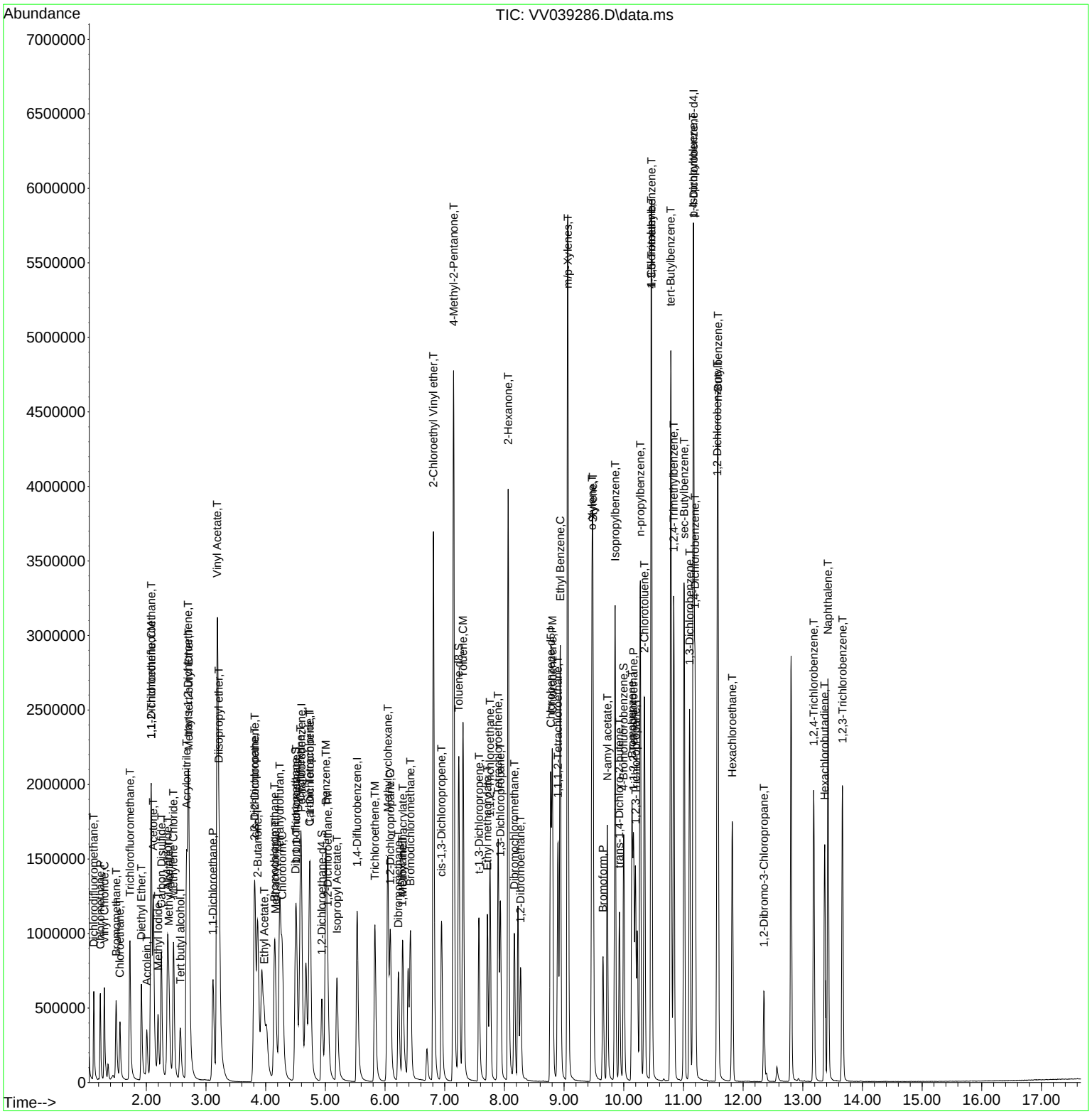
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

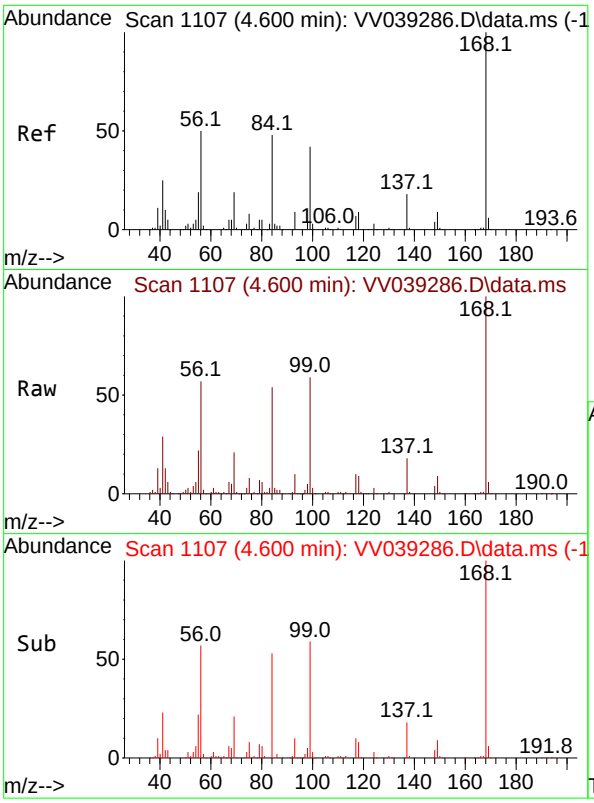
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039286.D
Acq On : 07 Oct 2025 11:10
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Oct 08 04:42:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration



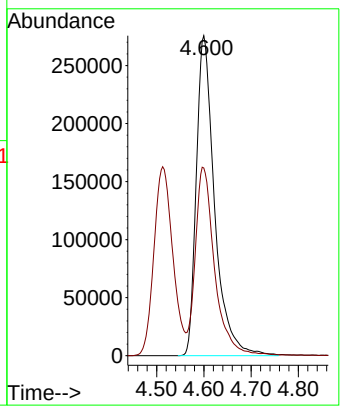


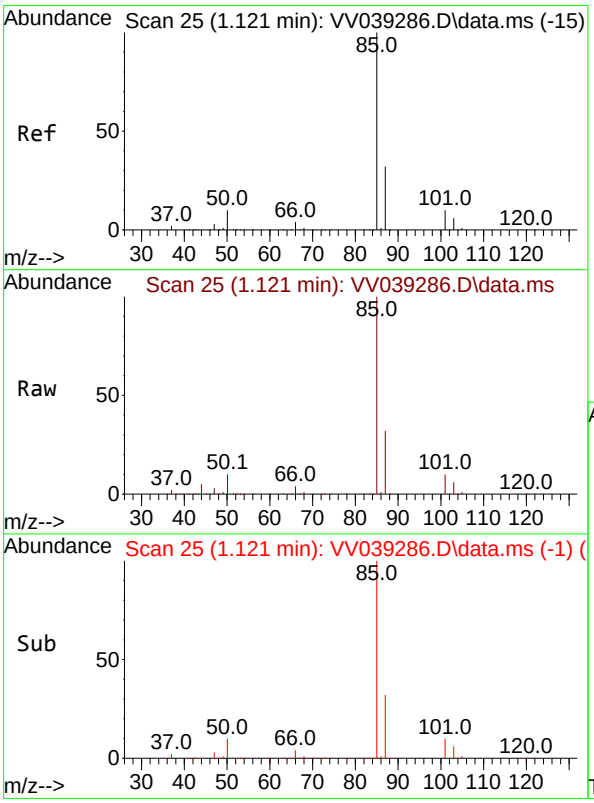
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 740677

Ion	Ratio	Lower	Upper
168	100		
99	58.3	46.6	70.0

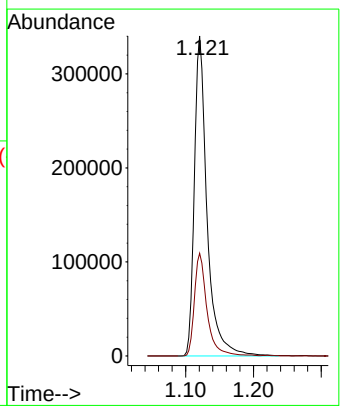


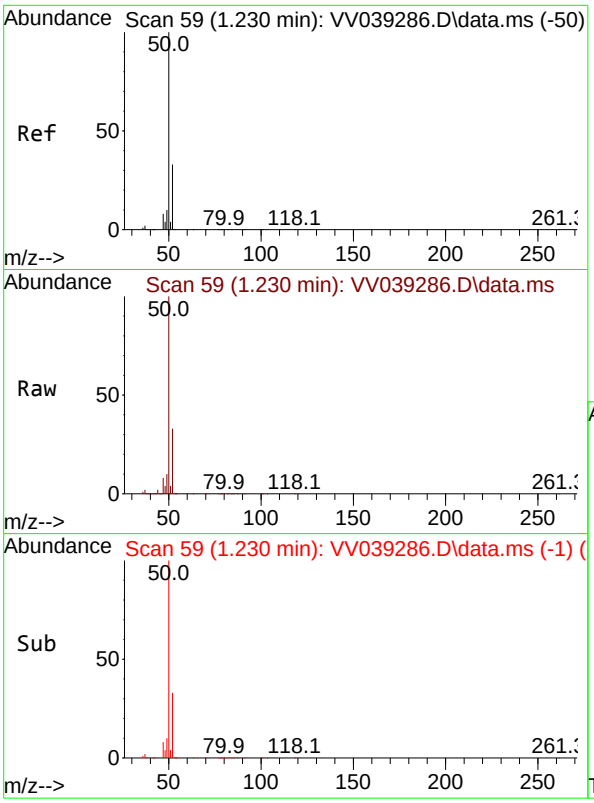


#2
Dichlorodifluoromethane
Concen: 47.323 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 85 Resp: 443023

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.2



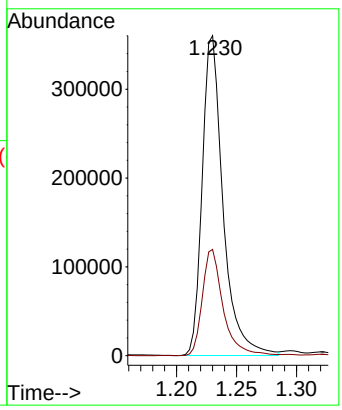


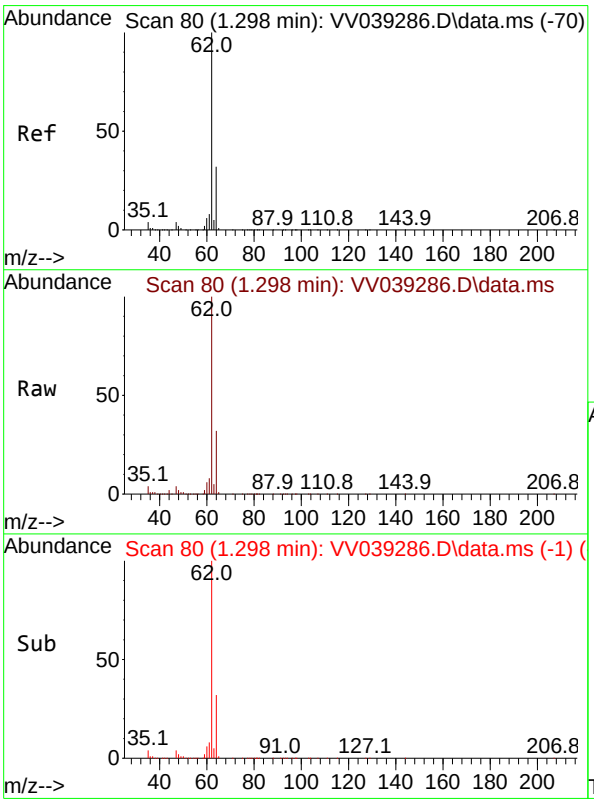
#3
Chloromethane
Concen: 44.721 ug/l
RT: 1.230 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 435874

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.6	39.8

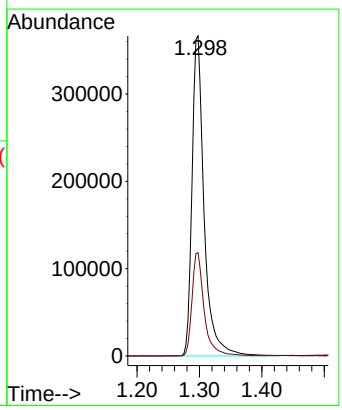


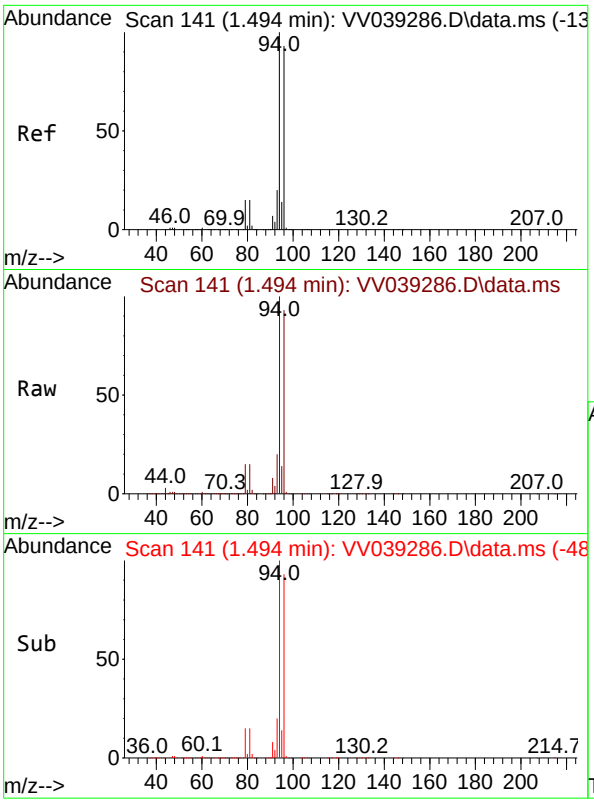


#4
Vinyl Chloride
Concen: 44.374 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 62 Resp: 493417

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.8	38.6



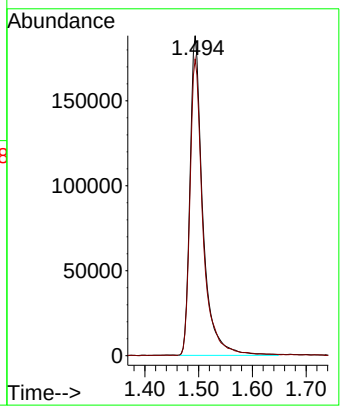


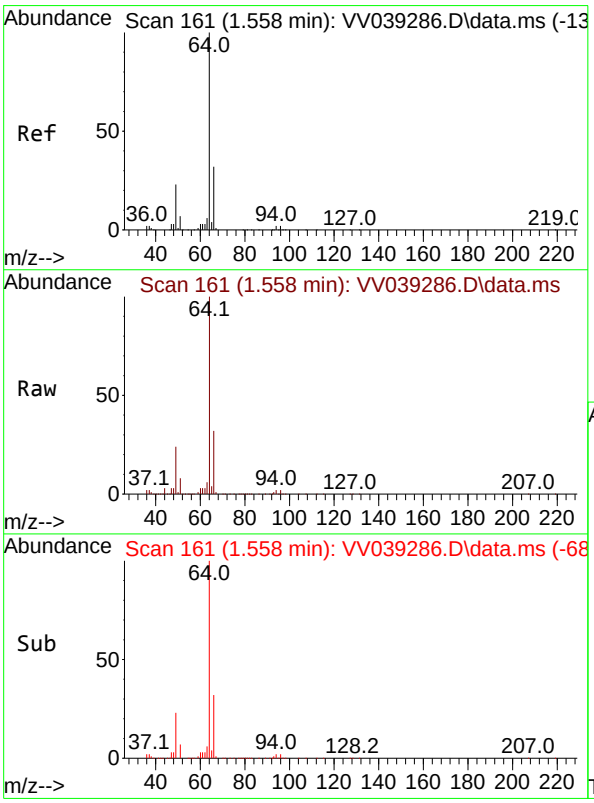
#5
Bromomethane
Concen: 43.273 ug/l
RT: 1.494 min Scan# 14
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 312191

Ion	Ratio	Lower	Upper
94	100		
96	92.7	74.2	111.2

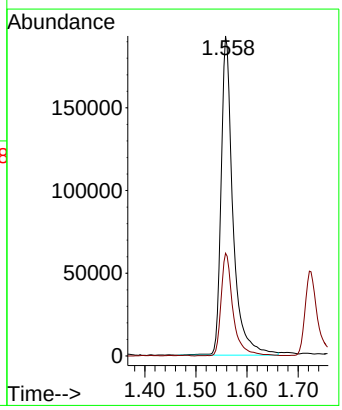


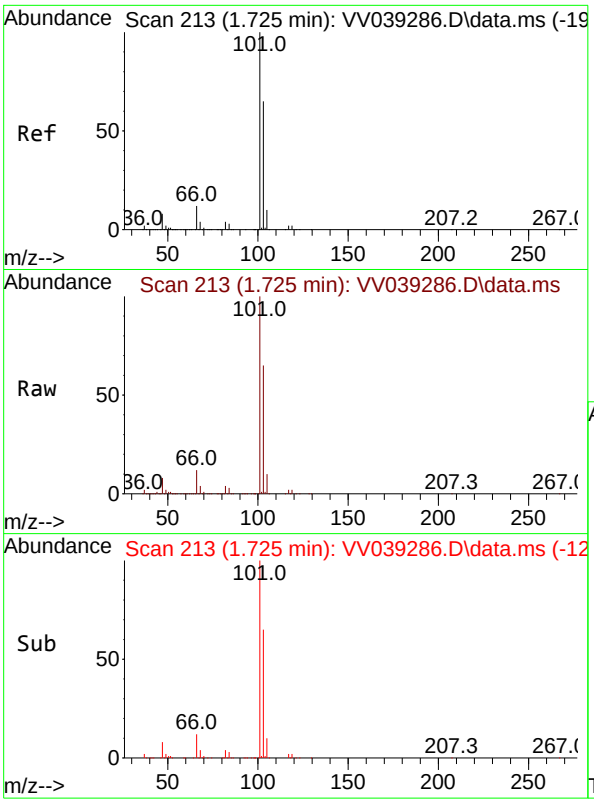


#6
Chloroethane
Concen: 50.611 ug/l
RT: 1.558 min Scan# 161
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 64 Resp: 310524

Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.7	38.5



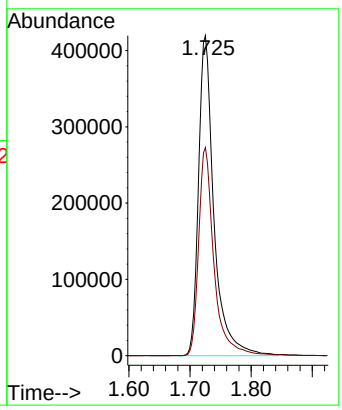


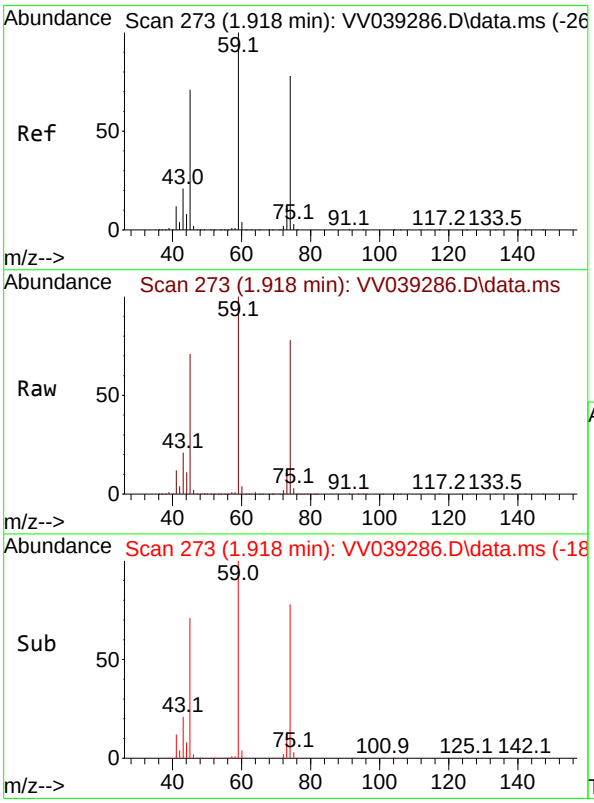
#7
Trichlorofluoromethane
Concen: 43.261 ug/l
RT: 1.725 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 734860

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.0	78.0

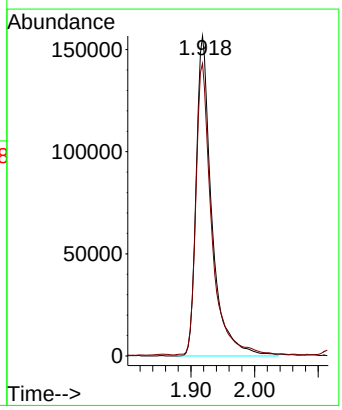


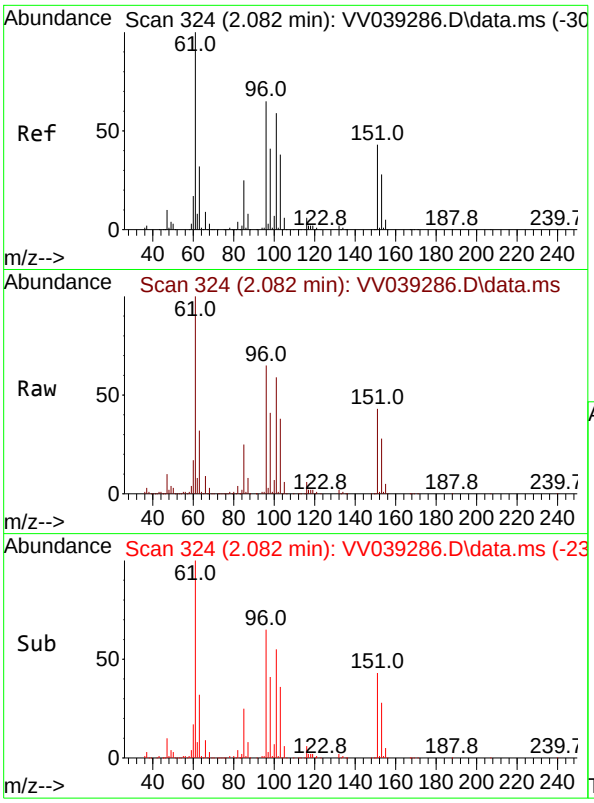


#8
Diethyl Ether
Concen: 43.517 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 74 Resp: 267132

Ion	Ratio	Lower	Upper
74	100		
45	91.8	45.9	137.7



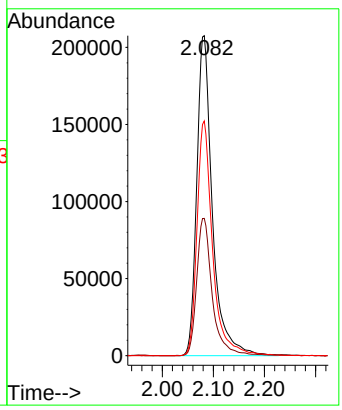


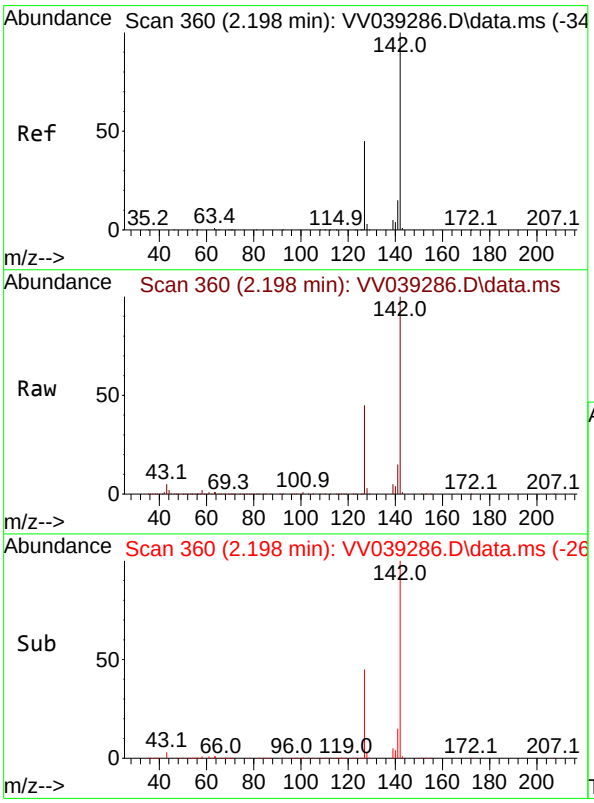
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.475 ug/l
RT: 2.082 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 442207

Ion	Ratio	Lower	Upper
101	100		
85	42.5	34.0	51.0
151	73.1	58.5	87.7

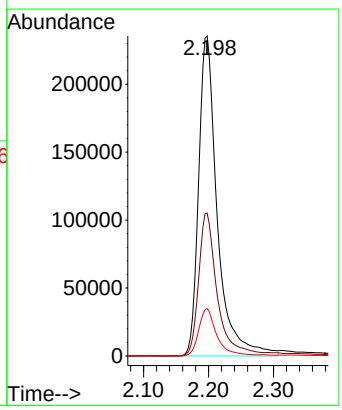


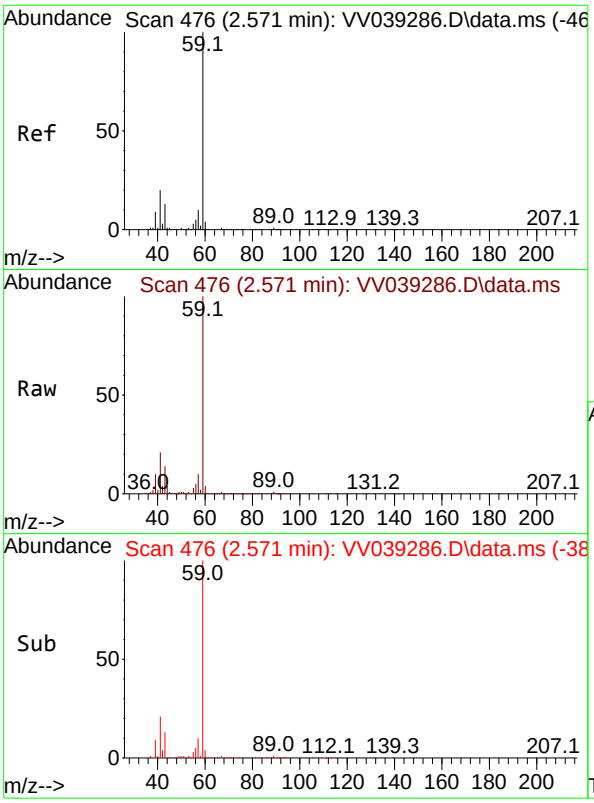


#10
Methyl Iodide
Concen: 53.768 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:142 Resp: 471195

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.5	53.3
141	14.4	11.5	17.3



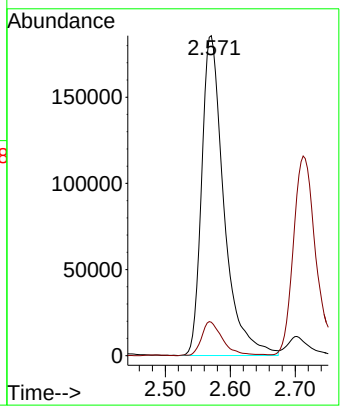


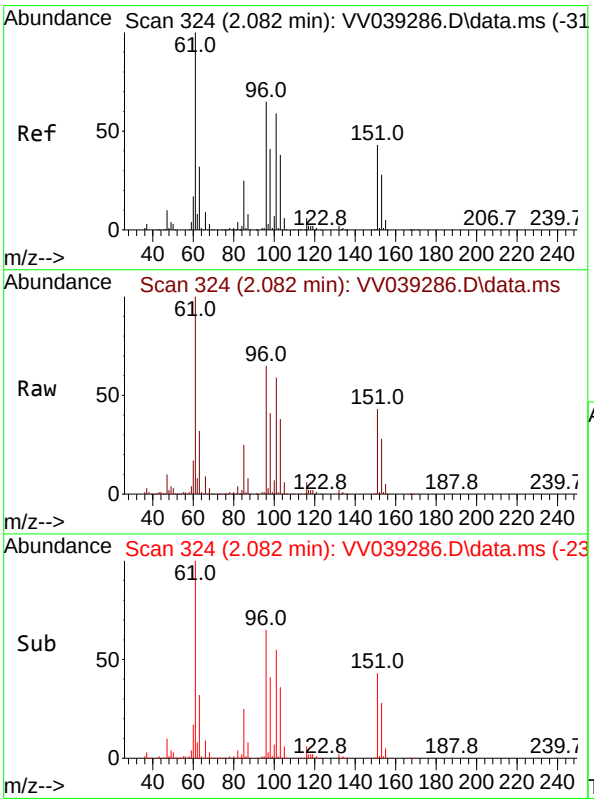
#11
Tert butyl alcohol
Concen: 217.179 ug/l
RT: 2.571 min Scan# 4
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 442966

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

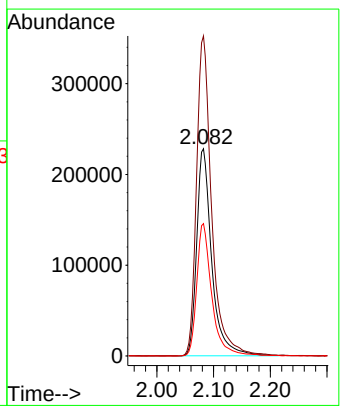


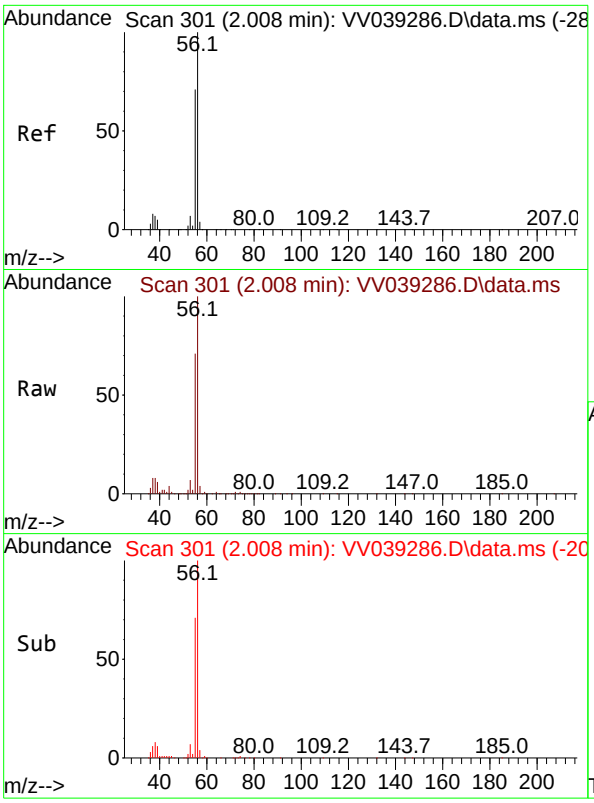


#12
1,1-Dichloroethene
Concen: 42.222 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 96 Resp: 421677

Ion	Ratio	Lower	Upper
96	100		
61	154.5	123.6	185.4
98	63.9	51.1	76.7



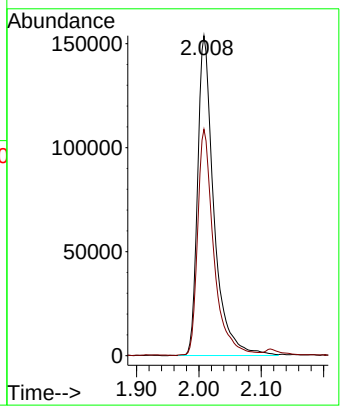


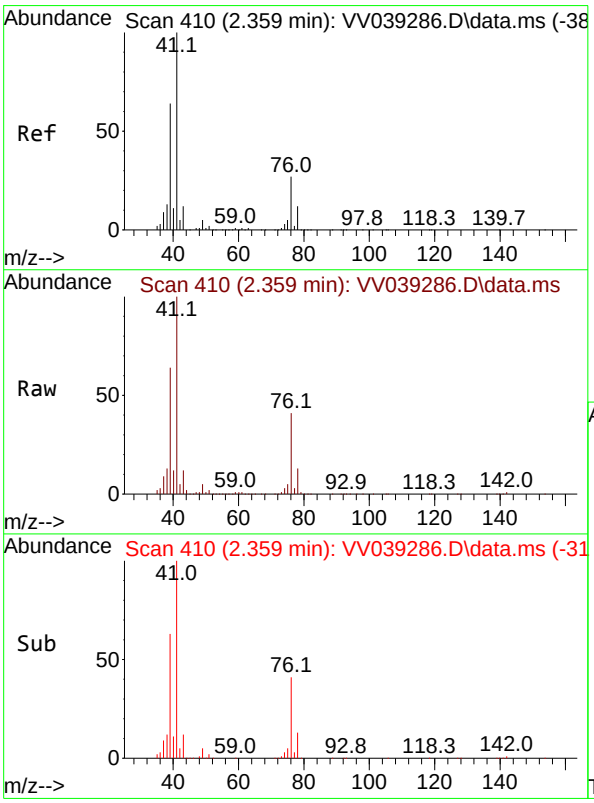
#13
Acrolein
Concen: 235.571 ug/l
RT: 2.008 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 278306

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

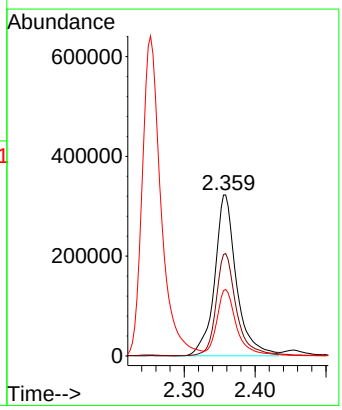


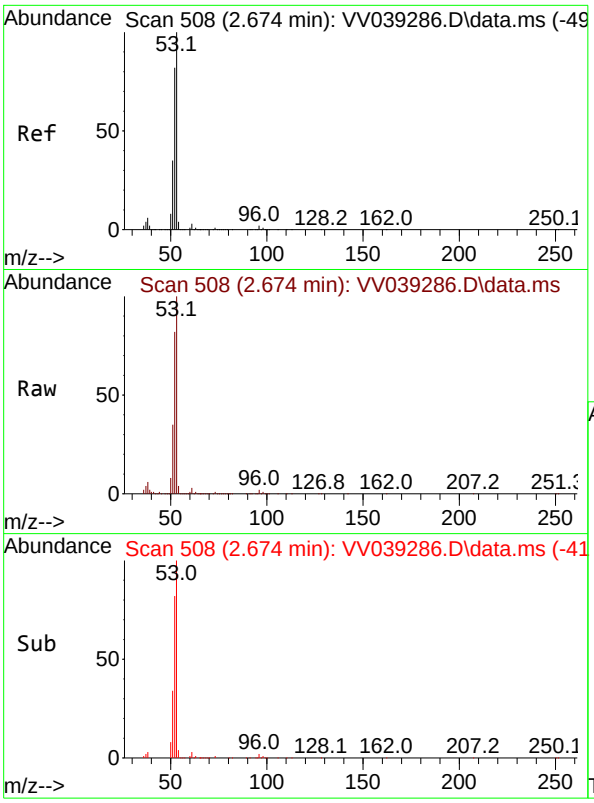


#14
Allyl chloride
Concen: 43.522 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 41 Resp: 689035

Ion	Ratio	Lower	Upper
41	100		
39	59.7	47.8	71.6
76	37.7	30.2	45.2



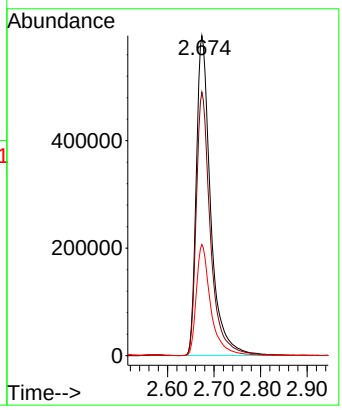


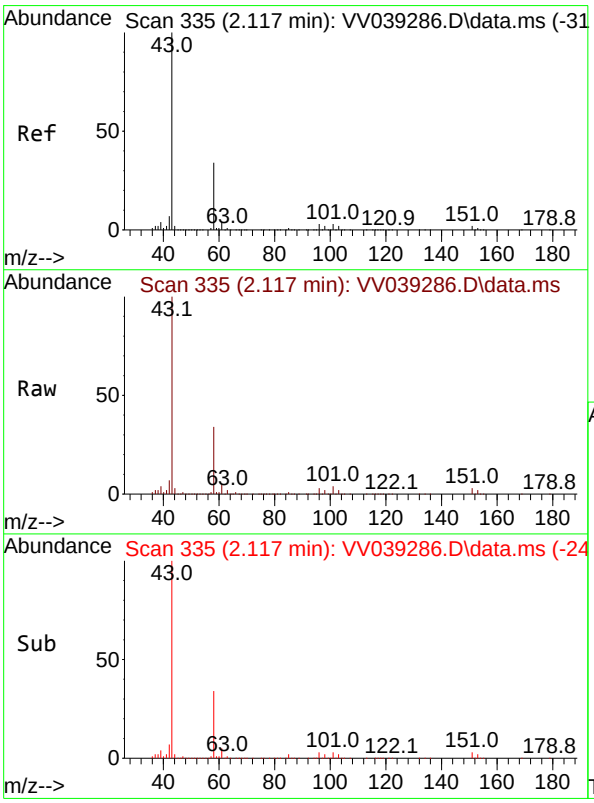
#15
Acrylonitrile
Concen: 210.469 ug/l
RT: 2.674 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 1273054

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.9	27.9	41.9

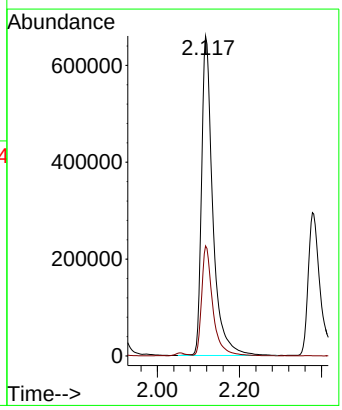


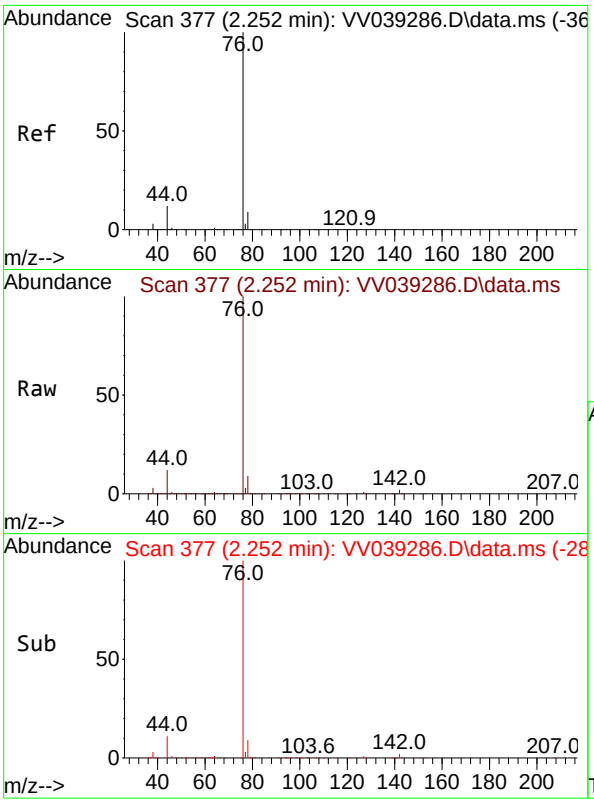


#16
Acetone
Concen: 257.316 ug/l
RT: 2.117 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 43 Resp: 1256942

Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.5	41.3



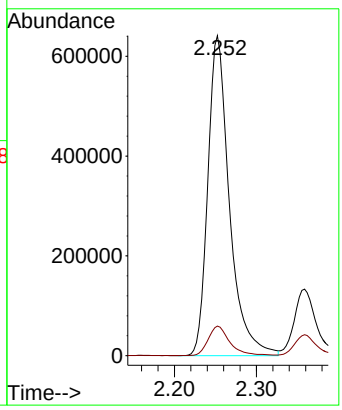


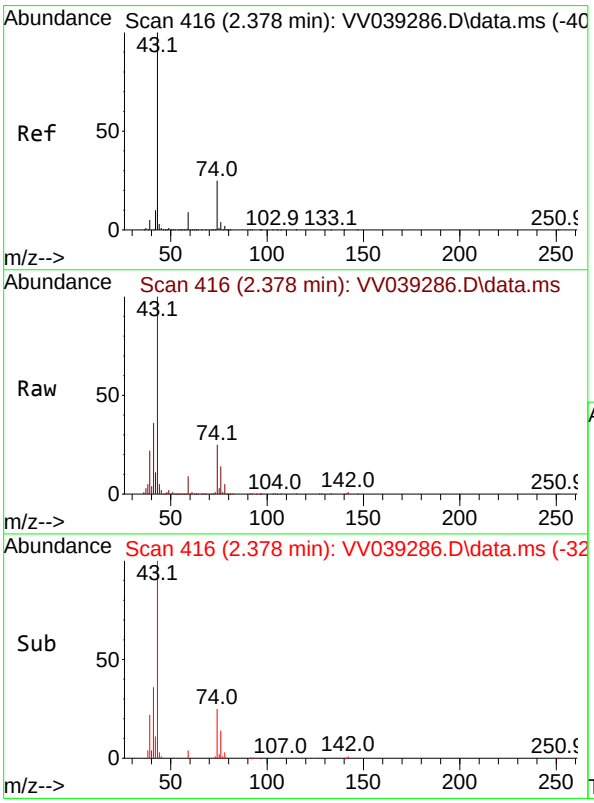
#17
Carbon Disulfide
Concen: 41.716 ug/l
RT: 2.252 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 1176778

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

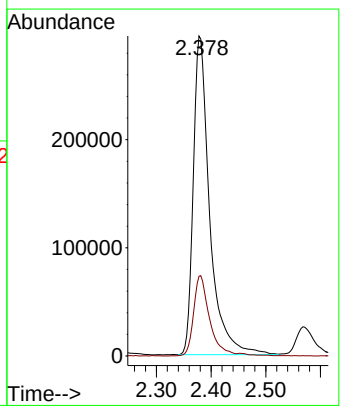


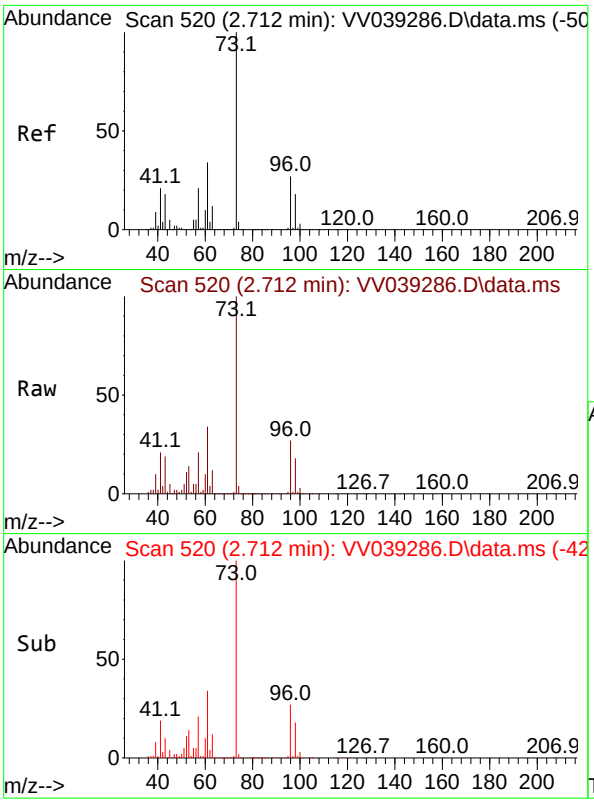


#18
Methyl Acetate
Concen: 44.951 ug/l
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 43 Resp: 613033

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.5	29.3



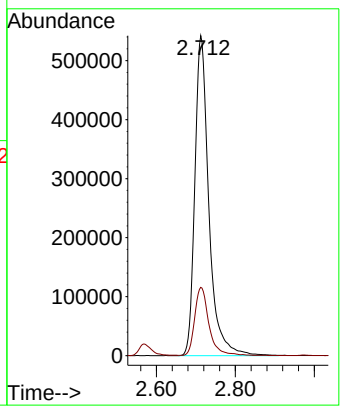


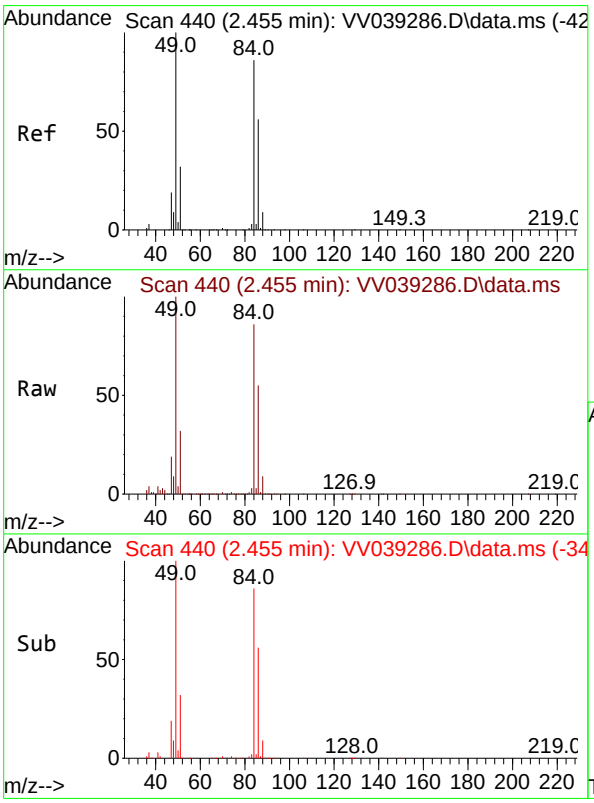
#19
Methyl tert-butyl Ether
Concen: 44.314 ug/l
RT: 2.712 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 1332092

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6

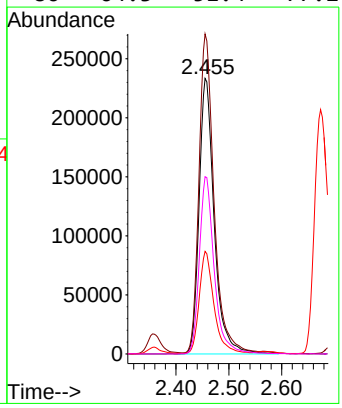


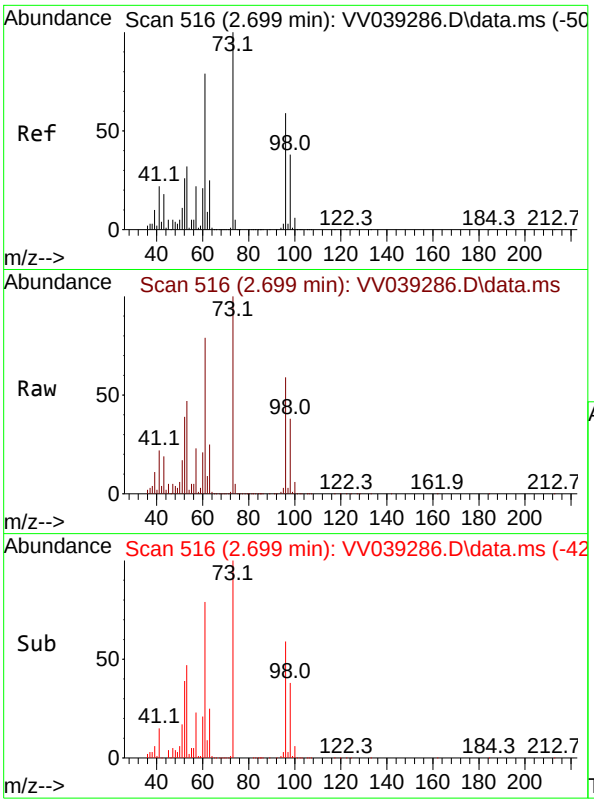


#20
Methylene Chloride
Concen: 49.670 ug/l
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 84 Resp: 464083

Ion	Ratio	Lower	Upper
84	100		
49	115.8	92.6	139.0
51	37.0	29.6	44.4
86	64.3	51.4	77.2



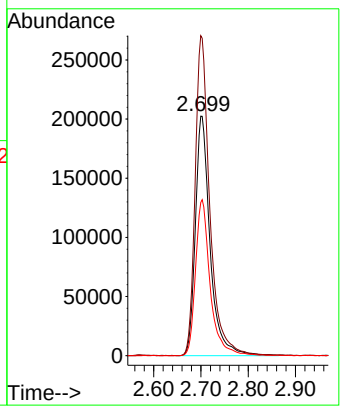


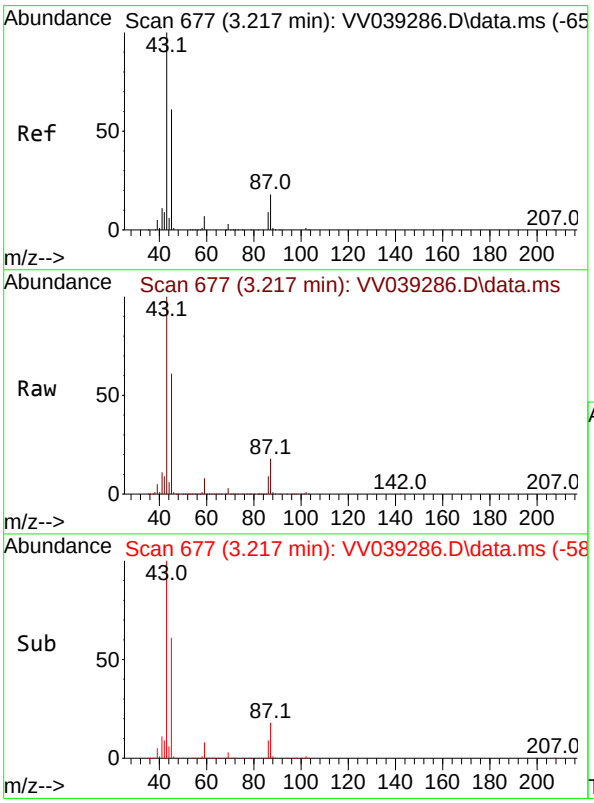
#21
trans-1,2-Dichloroethene
Concen: 41.712 ug/l
RT: 2.699 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 438618

Ion	Ratio	Lower	Upper
96	100		
61	133.5	106.8	160.2
98	63.9	51.1	76.7

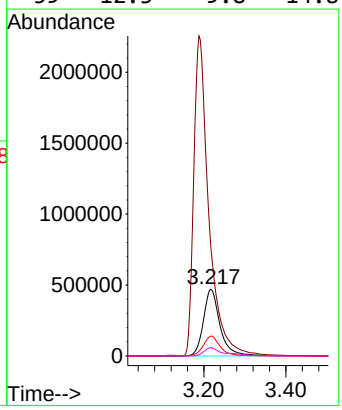


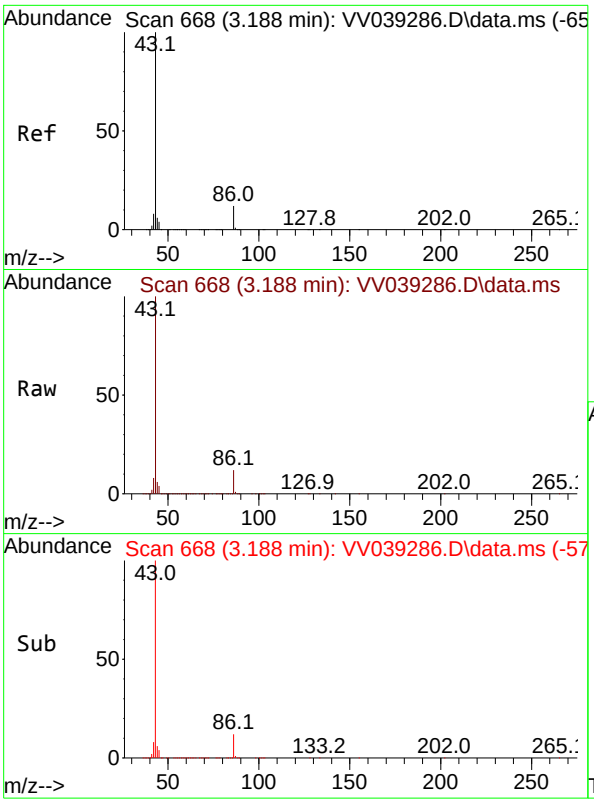


#22
Diisopropyl ether
Concen: 46.400 ug/l
RT: 3.217 min Scan# 677
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 45 Resp: 1318892

Ion	Ratio	Lower	Upper
45	100		
43	163.5	130.8	196.2
87	29.8	23.8	35.8
59	12.3	9.8	14.8



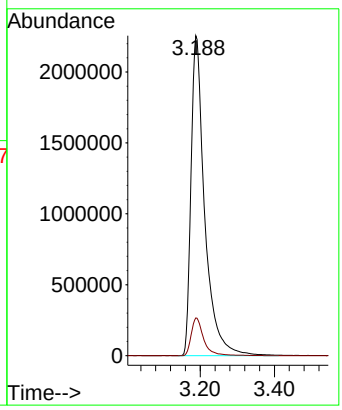


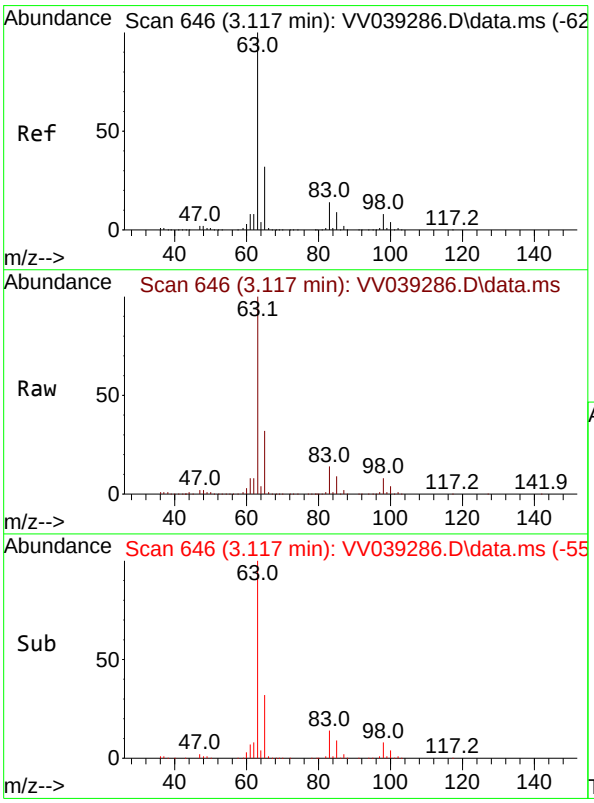
#23
Vinyl Acetate
Concen: 231.003 ug/l
RT: 3.188 min Scan# 6
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 5764450

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.4	14.2

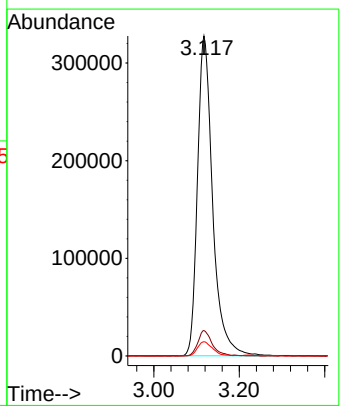


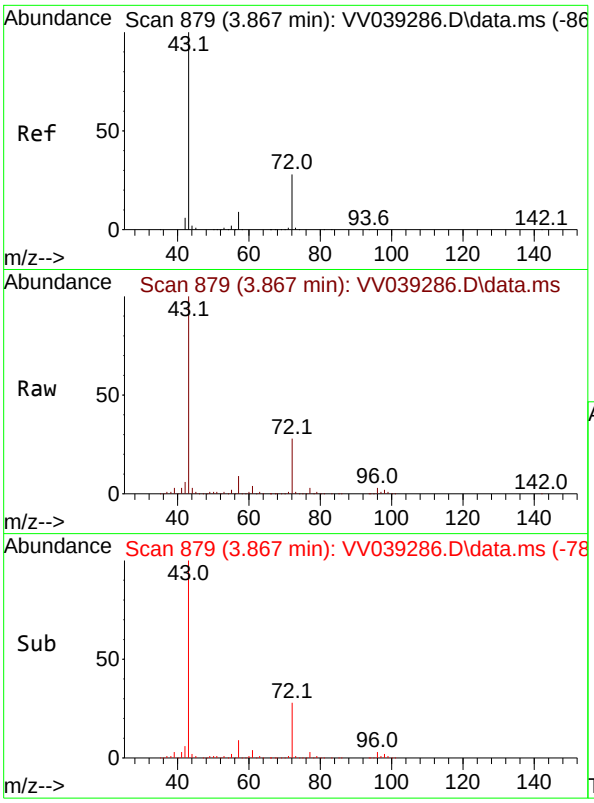


#24
1,1-Dichloroethane
Concen: 42.467 ug/l
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 63 Resp: 808699

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.0	12.0
100	4.5	2.3	6.8



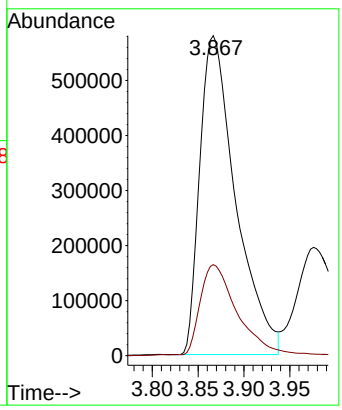


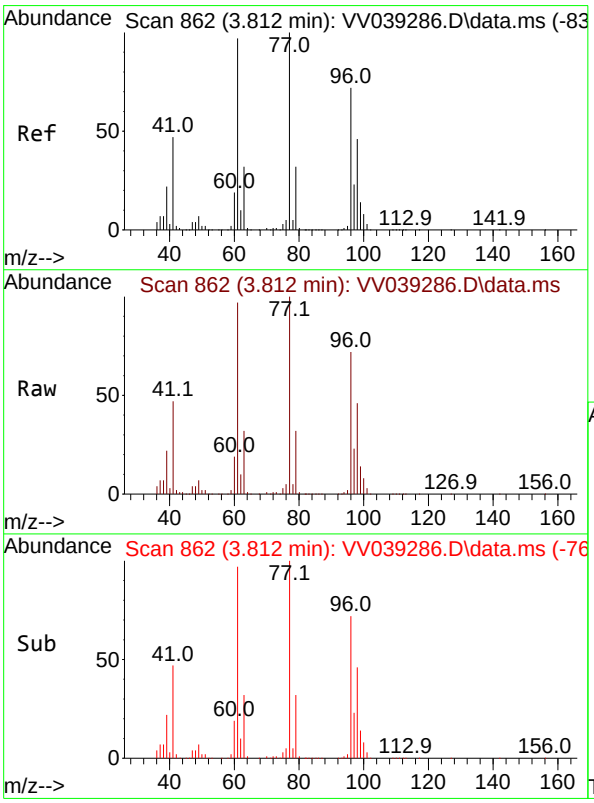
#25
2-Butanone
Concen: 246.195 ug/l
RT: 3.867 min Scan# 8
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1580057

Ion	Ratio	Lower	Upper
43	100		
72	28.3	22.6	34.0

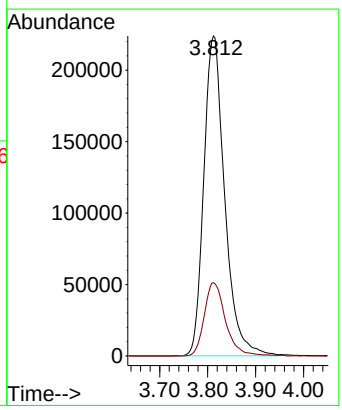


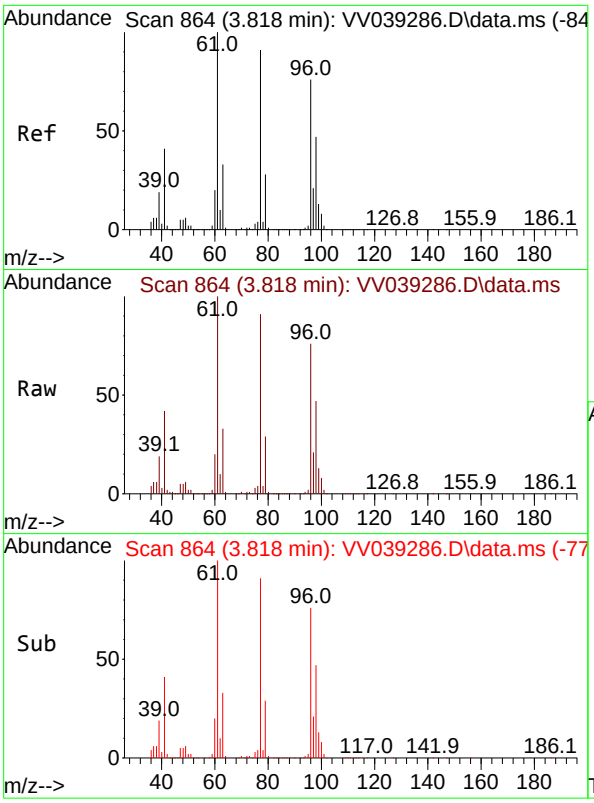


#26
2,2-Dichloropropane
Concen: 44.190 ug/l
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 77 Resp: 677781

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.6	34.8



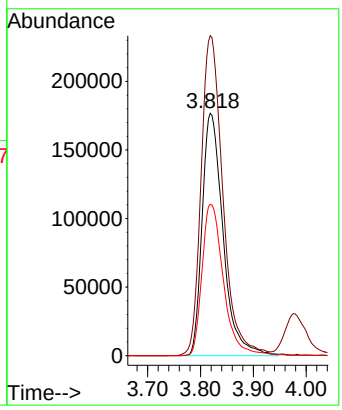


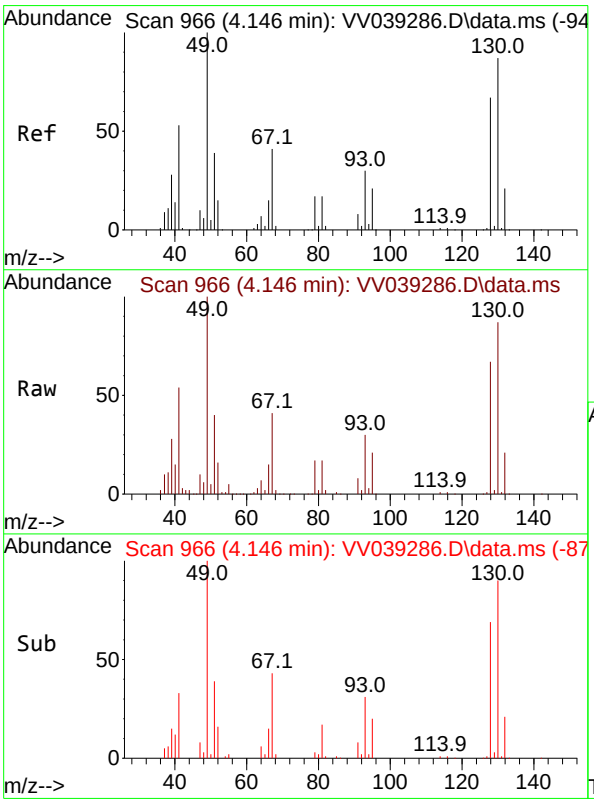
#27
cis-1,2-Dichloroethene
Concen: 46.173 ug/l
RT: 3.818 min Scan# 8
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 486141

Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	275.0
98	63.9	0.0	127.8

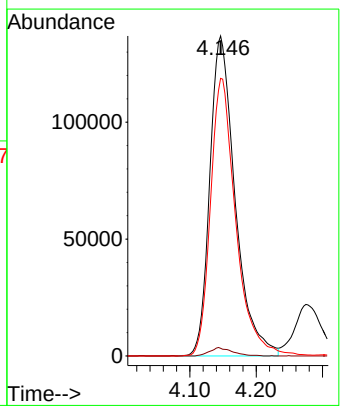


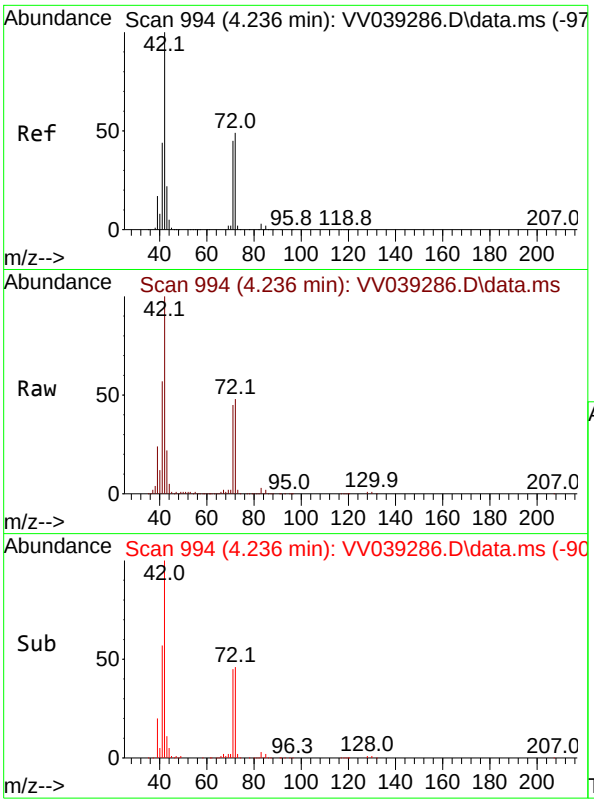


#28
Bromochloromethane
Concen: 43.620 ug/l
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 49 Resp: 363013

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	86.9	69.5	104.3



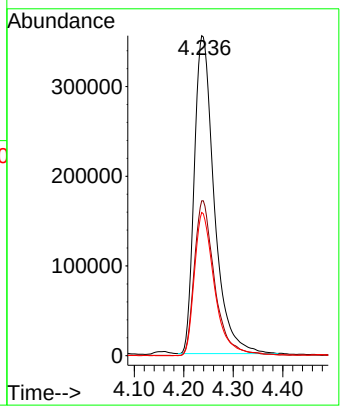


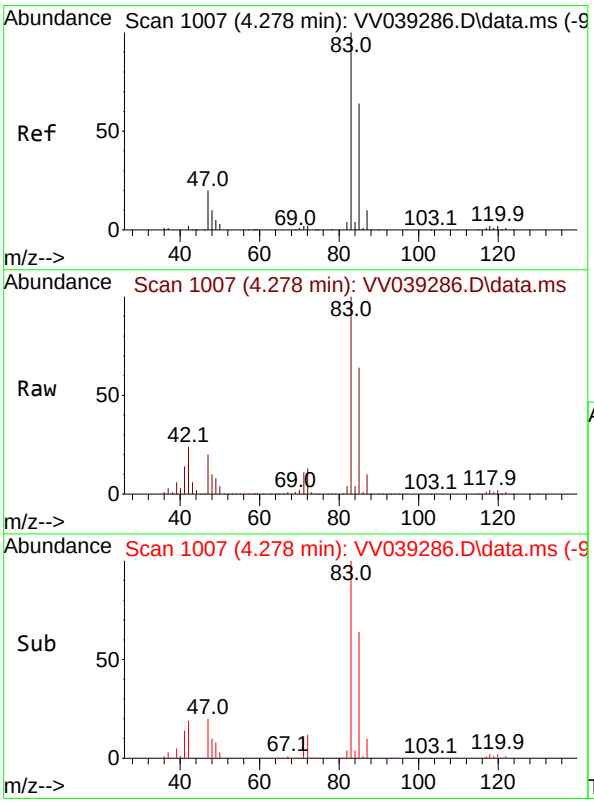
#29
Tetrahydrofuran
Concen: 241.876 ug/l
RT: 4.236 min Scan# 9
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 995120

Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.8	59.8
71	45.6	36.5	54.7

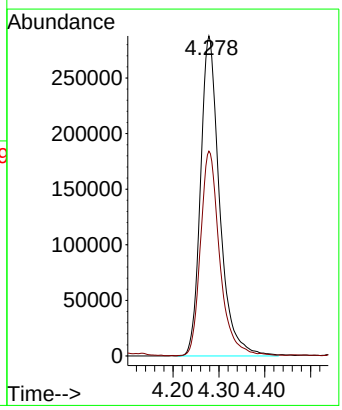


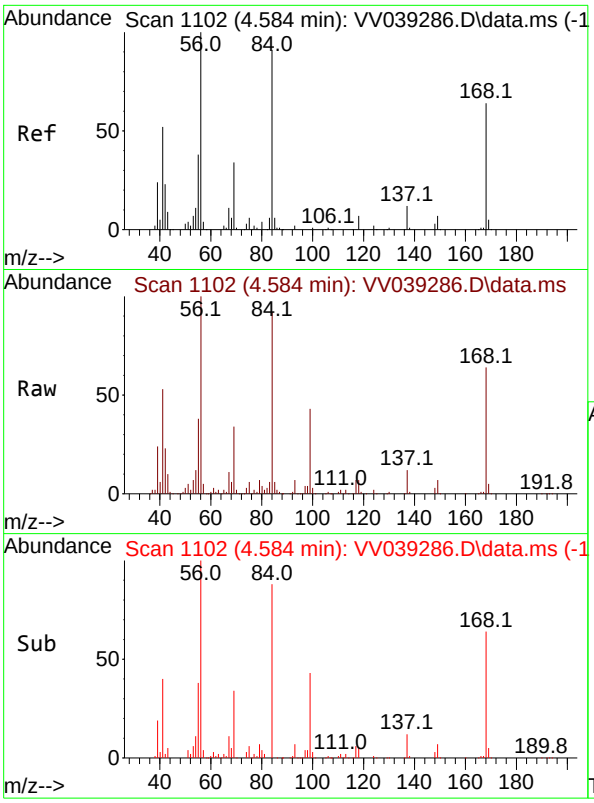


#30
Chloroform
Concen: 42.736 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 83 Resp: 829923

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7



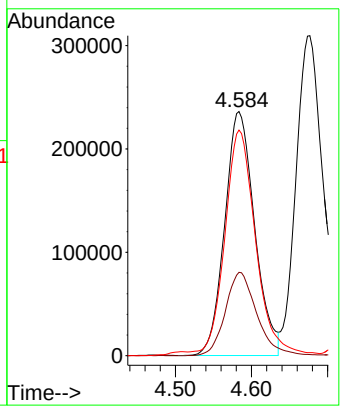


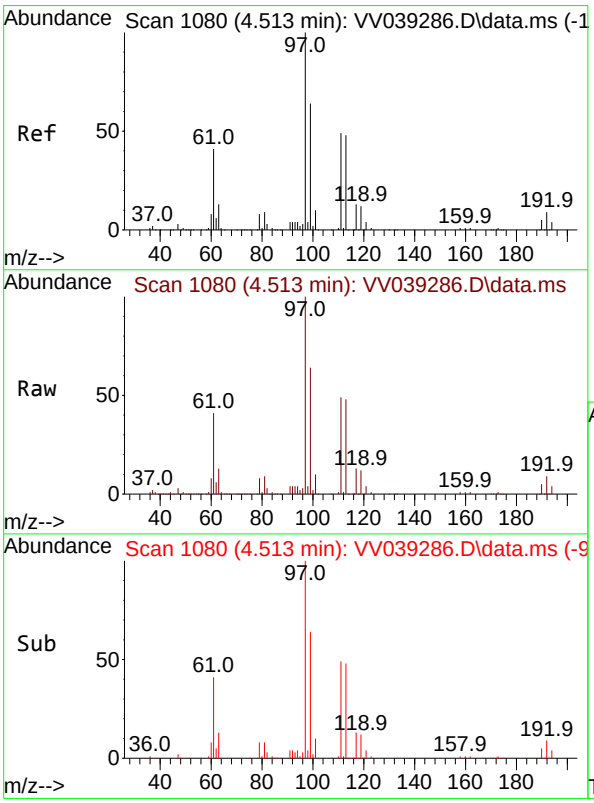
#31
Cyclohexane
Concen: 46.558 ug/l
RT: 4.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 645772

Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.4	41.0
84	91.0	72.8	109.2

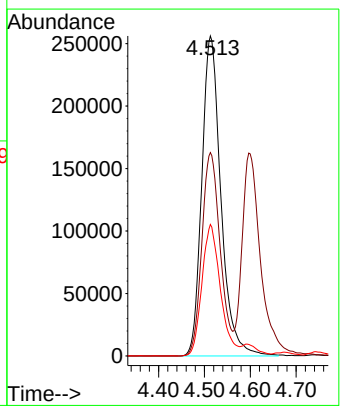


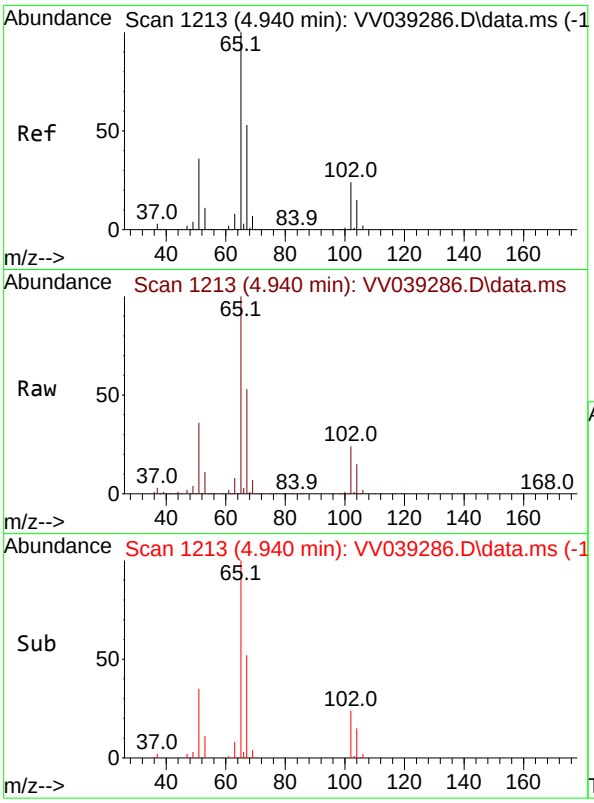


#32
1,1,1-Trichloroethane
Concen: 43.698 ug/l
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 97 Resp: 741951

Ion	Ratio	Lower	Upper
97	100		
99	60.7	48.6	72.8
61	39.8	31.8	47.8



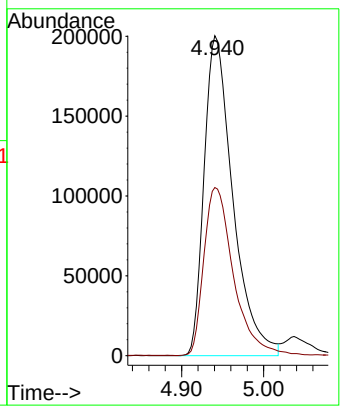


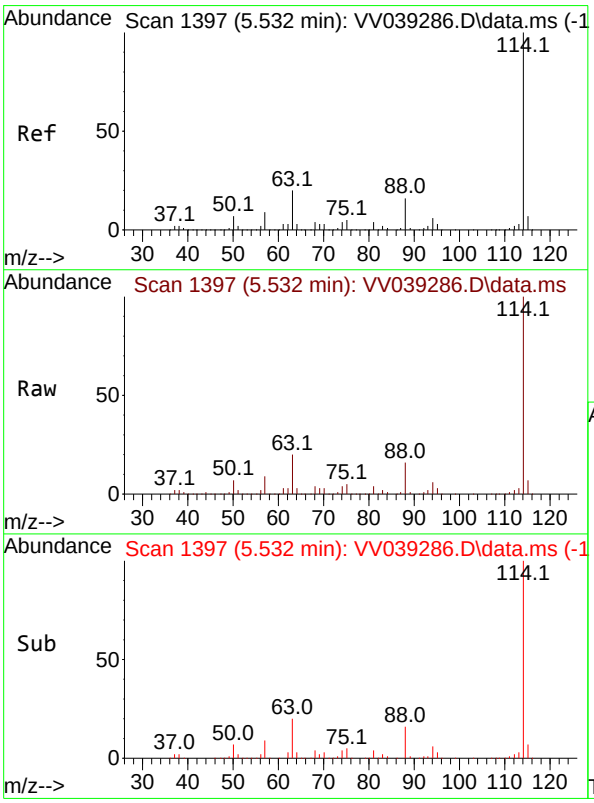
#33
1,2-Dichloroethane-d4
Concen: 46.386 ug/l
RT: 4.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 488198

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.4

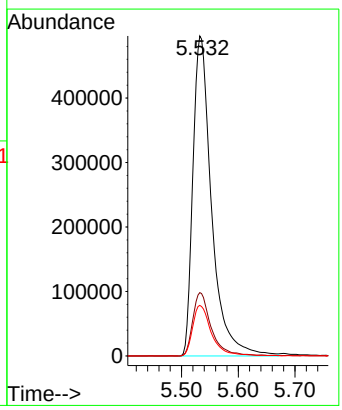


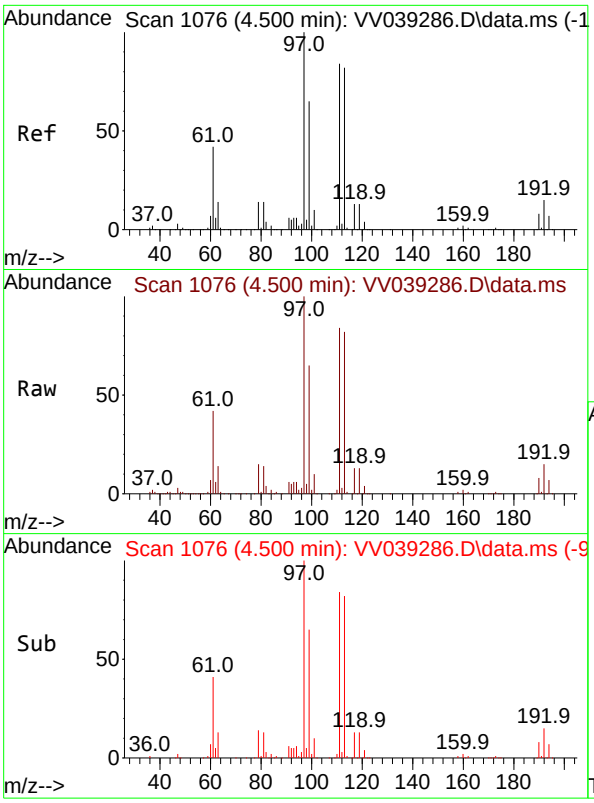


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:114 Resp: 1137525

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.8	0.0	31.6



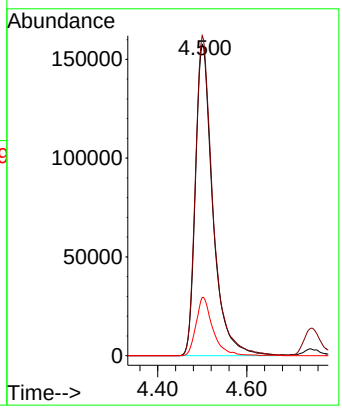


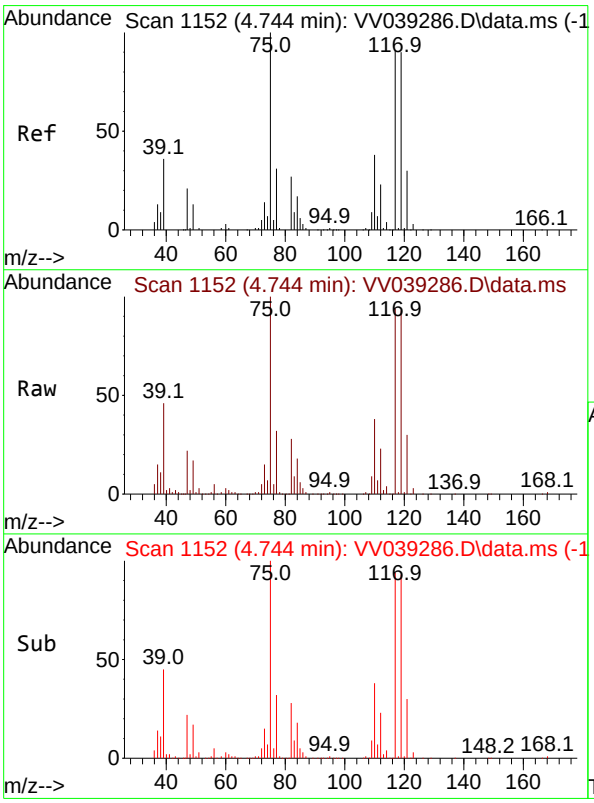
#35
Dibromofluoromethane
Concen: 47.819 ug/l
RT: 4.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 428600

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	17.9	14.3	21.5

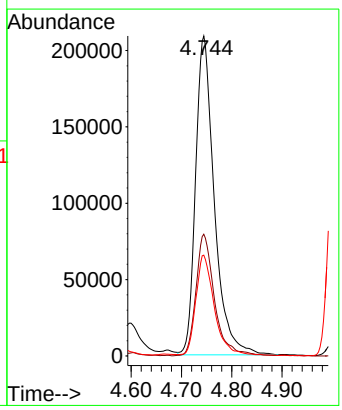


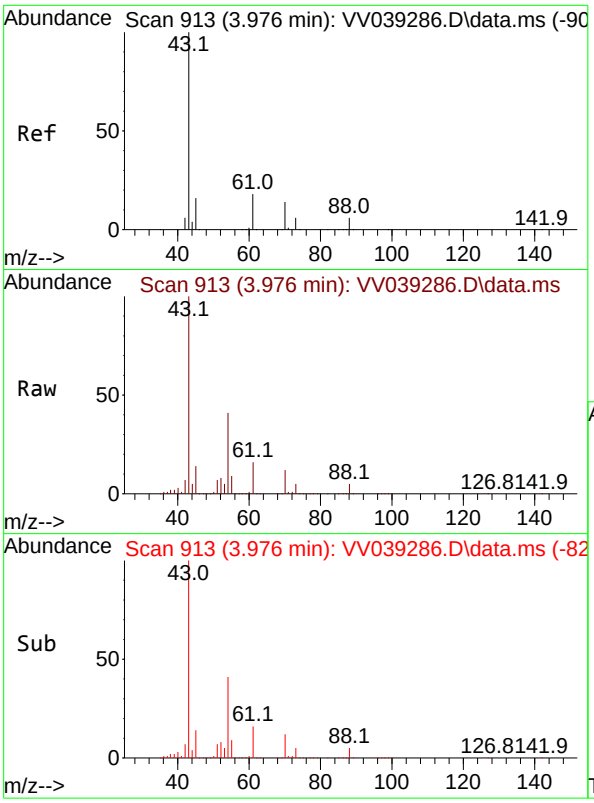


#36
1,1-Dichloropropene
Concen: 47.953 ug/l
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 75 Resp: 539826

Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.9	56.7
77	30.1	24.1	36.1



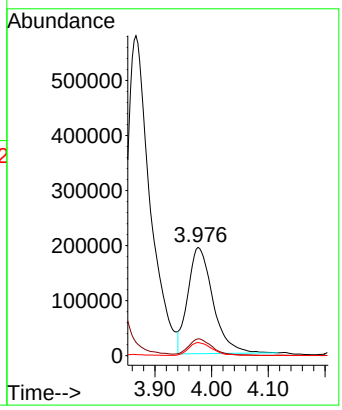


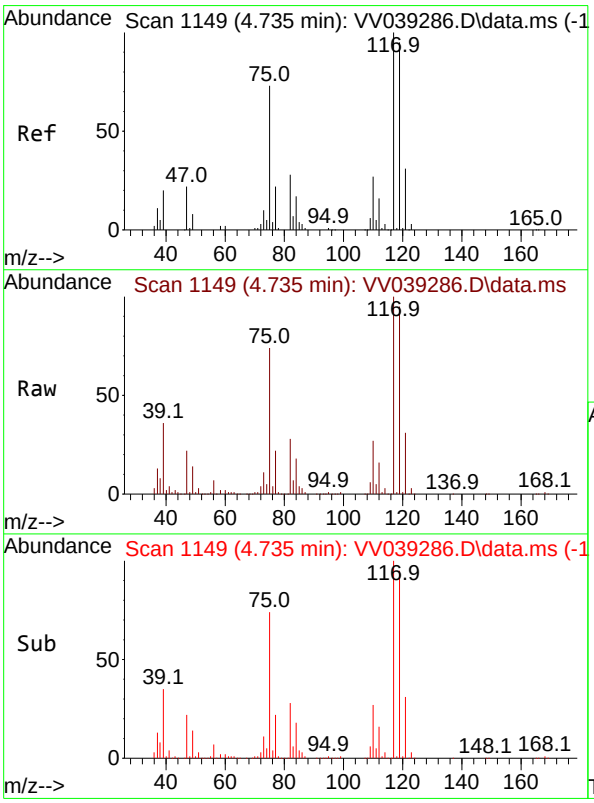
#37
Ethyl Acetate
Concen: 45.175 ug/l
RT: 3.976 min Scan# 91
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 593418

Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.2
70	11.2	9.0	13.4

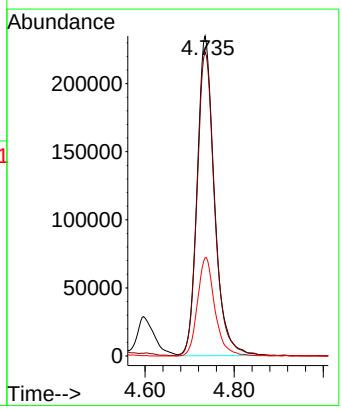


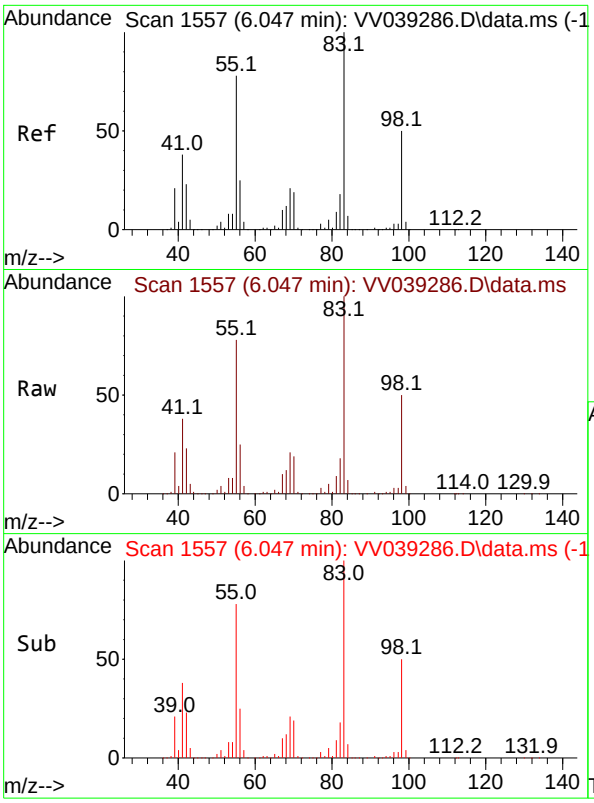


#38
Carbon Tetrachloride
Concen: 44.309 ug/l
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:117 Resp: 632245

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.9	113.9
121	30.8	24.6	37.0



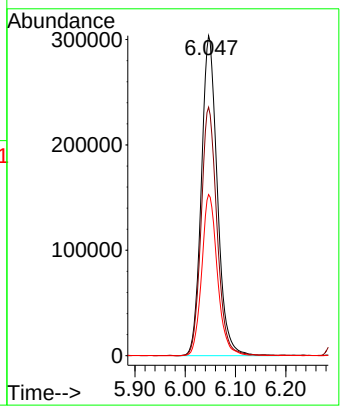


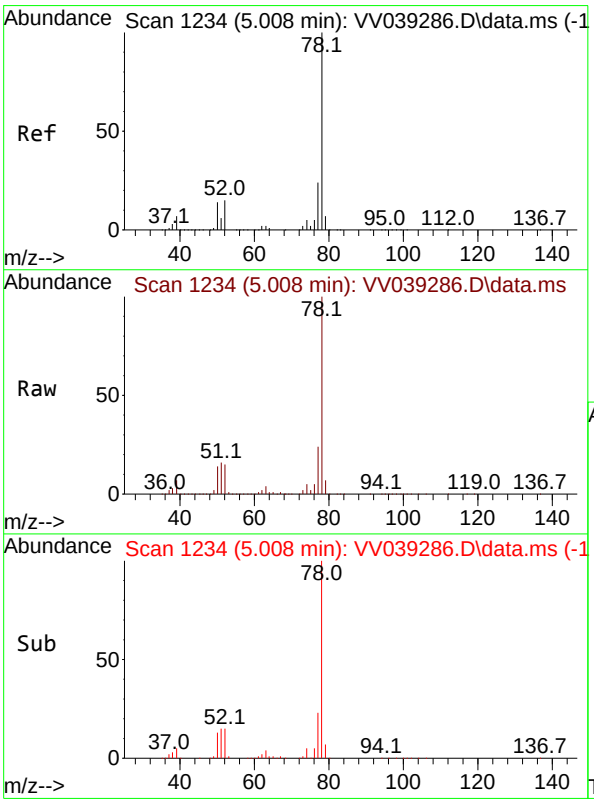
#39
Methylcyclohexane
Concen: 52.013 ug/l
RT: 6.047 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 669190

Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.1	93.1
98	50.3	40.2	60.4

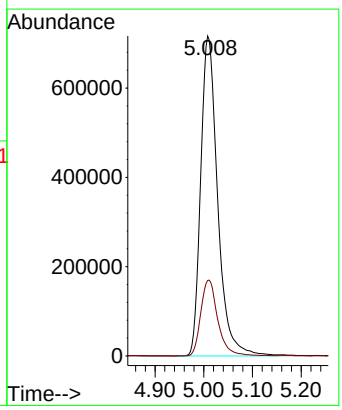


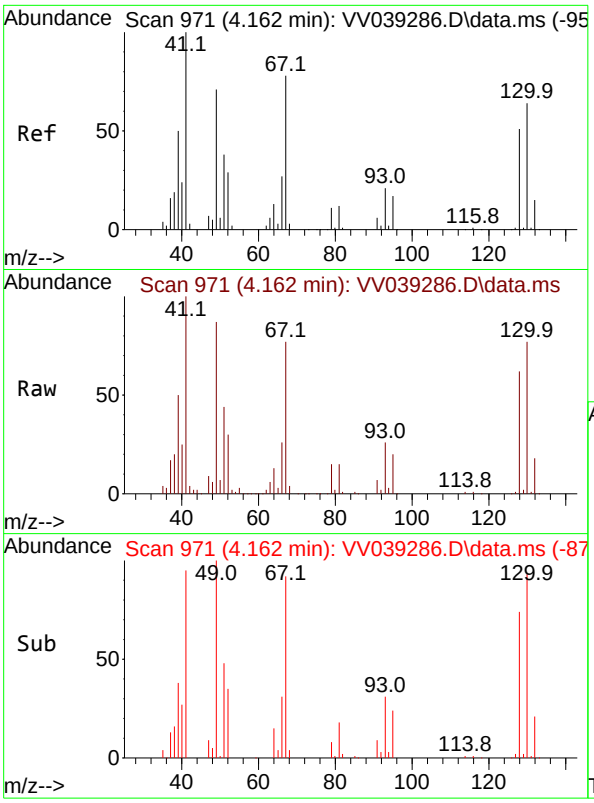


#40
Benzene
Concen: 47.972 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 78 Resp: 1732886

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3



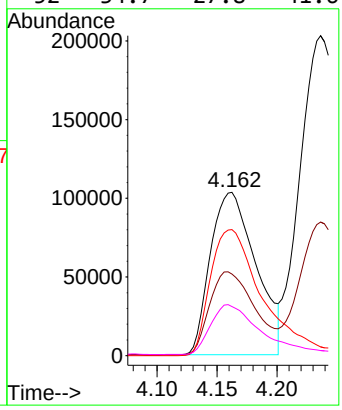


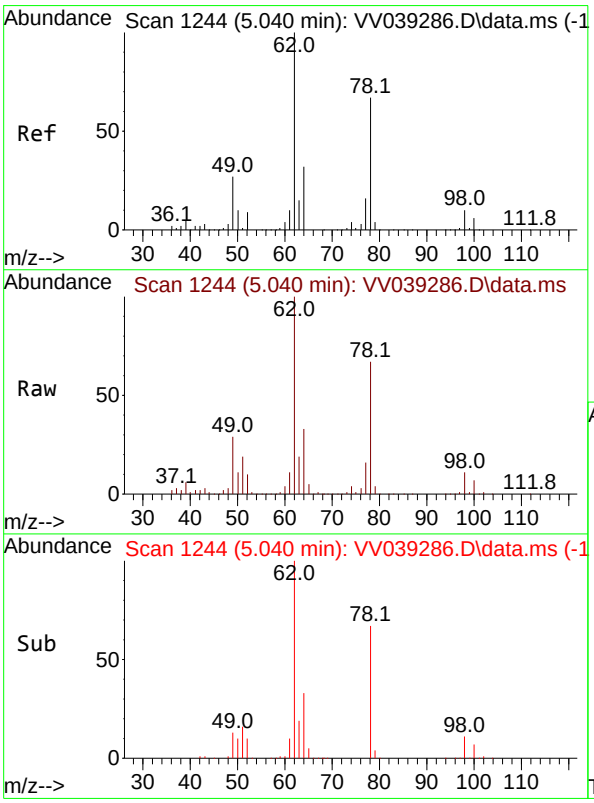
#41
Methacrylonitrile
Concen: 48.559 ug/l
RT: 4.162 min Scan# 9
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 273424

Ion	Ratio	Lower	Upper
41	100		
39	51.1	40.9	61.3
67	91.4	73.1	109.7
52	34.7	27.8	41.6

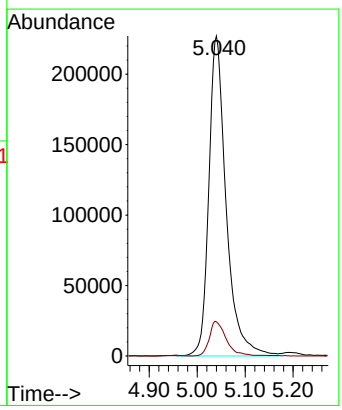


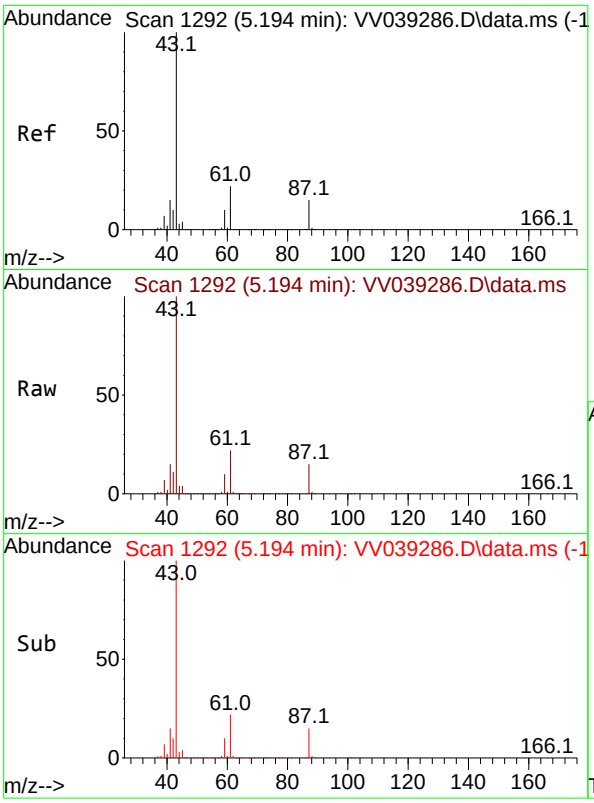


#42
1,2-Dichloroethane
Concen: 44.969 ug/l
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 62 Resp: 570110

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0



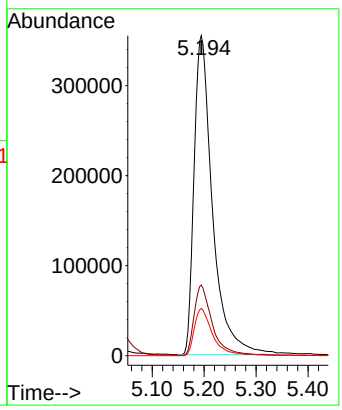


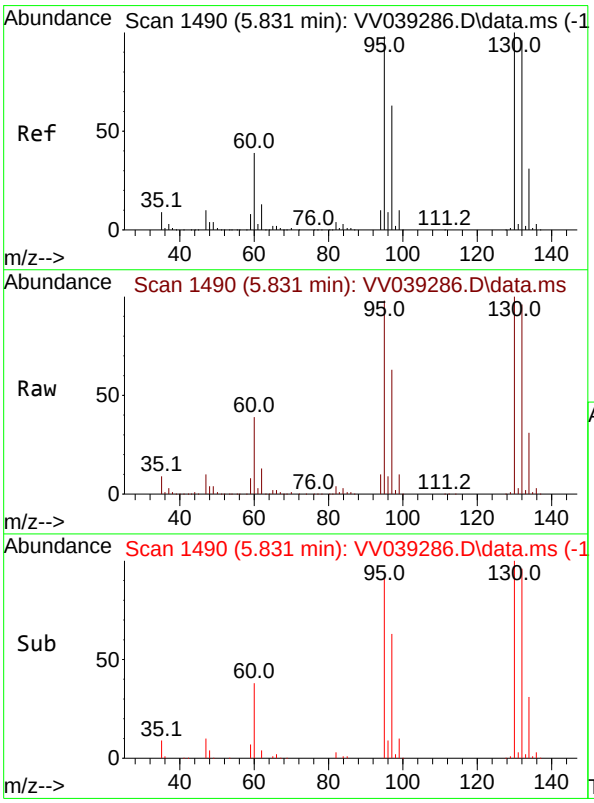
#43
Isopropyl Acetate
Concen: 48.837 ug/l
RT: 5.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 876691

Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.1	25.7
87	14.4	11.5	17.3

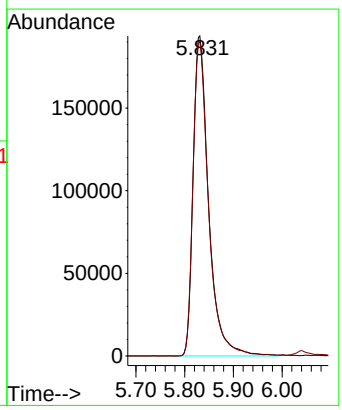


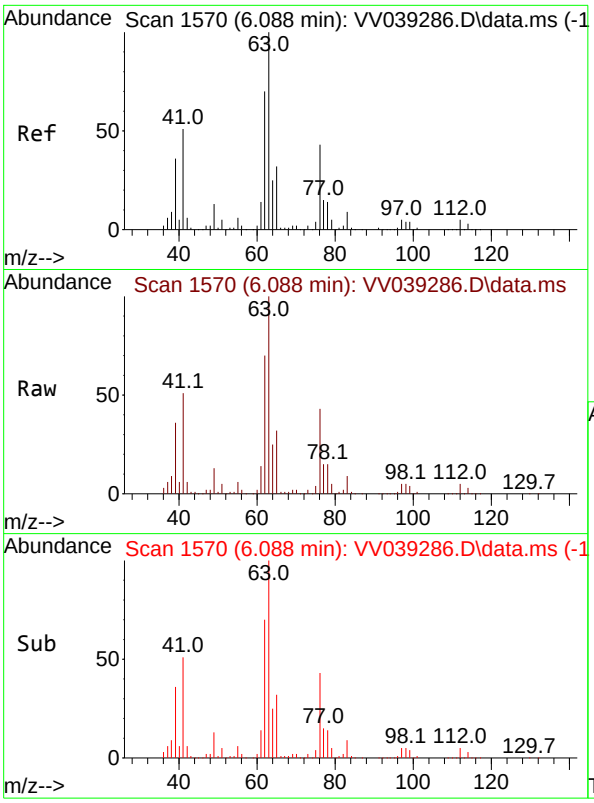


#44
Trichloroethene
Concen: 47.195 ug/l
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:130 Resp: 428718

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	196.6



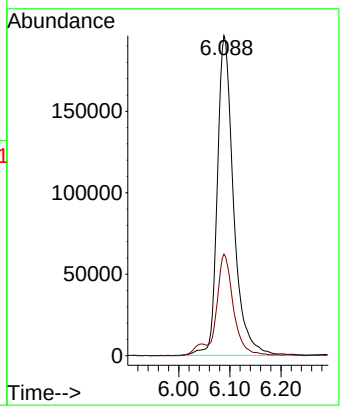


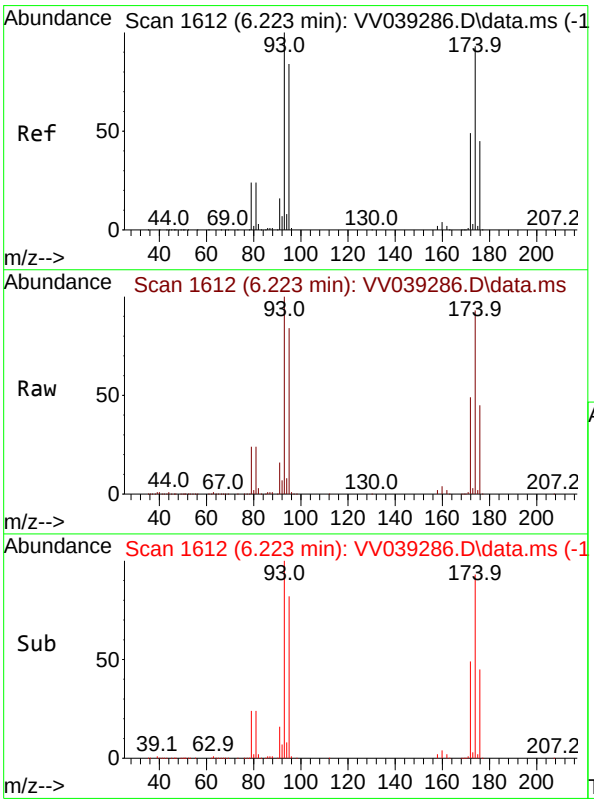
#45
1,2-Dichloropropane
Concen: 49.244 ug/l
RT: 6.088 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 432860

Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.2

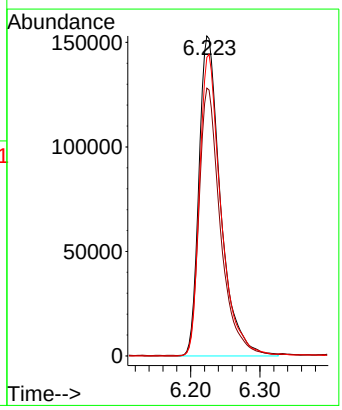


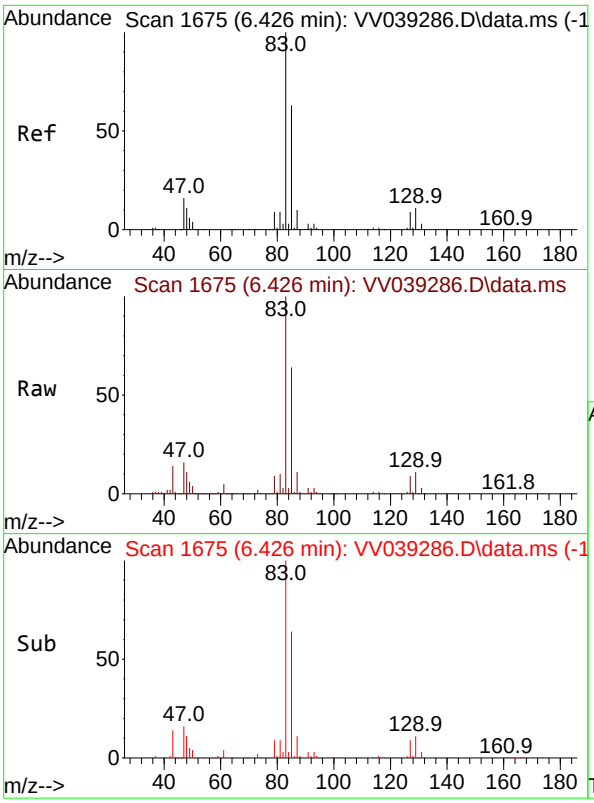


#46
Dibromomethane
Concen: 45.141 ug/l
RT: 6.223 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 93 Resp: 331656

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	93.3	74.6	112.0



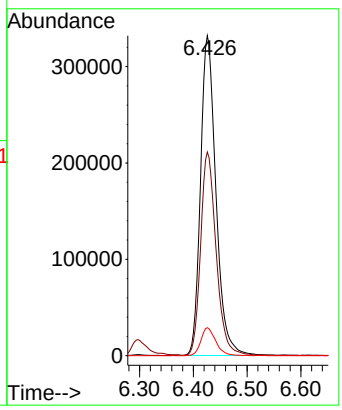


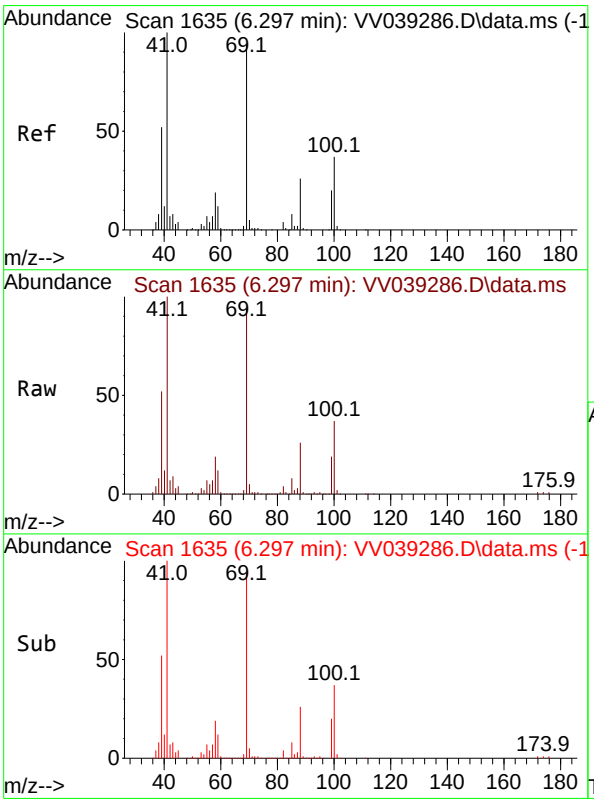
#47
Bromodichloromethane
Concen: 45.783 ug/l
RT: 6.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 662775

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.8	7.0	10.6

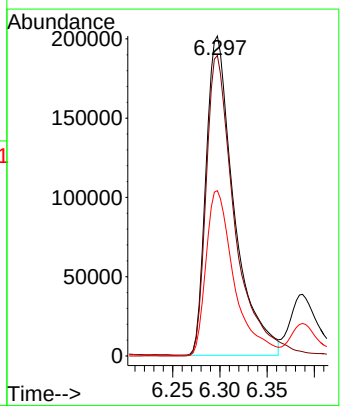


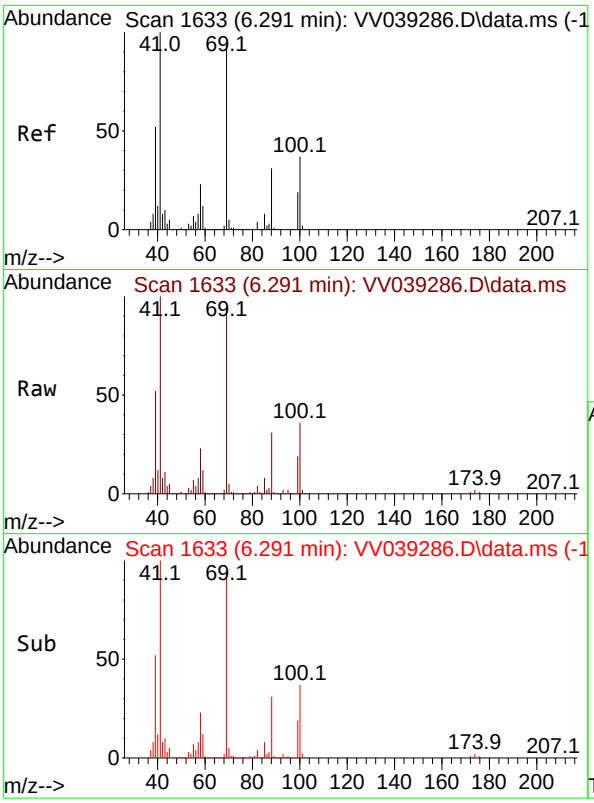


#48
Methyl methacrylate
Concen: 51.925 ug/l
RT: 6.297 min Scan# 1635
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 41 Resp: 415059

Ion	Ratio	Lower	Upper
41	100		
69	96.5	77.2	115.8
39	51.7	41.4	62.0



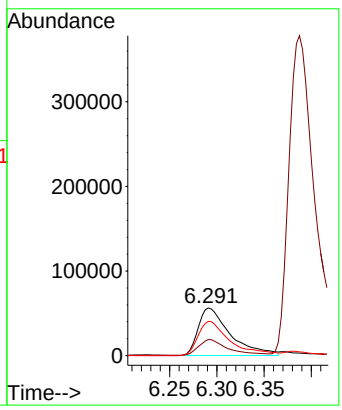


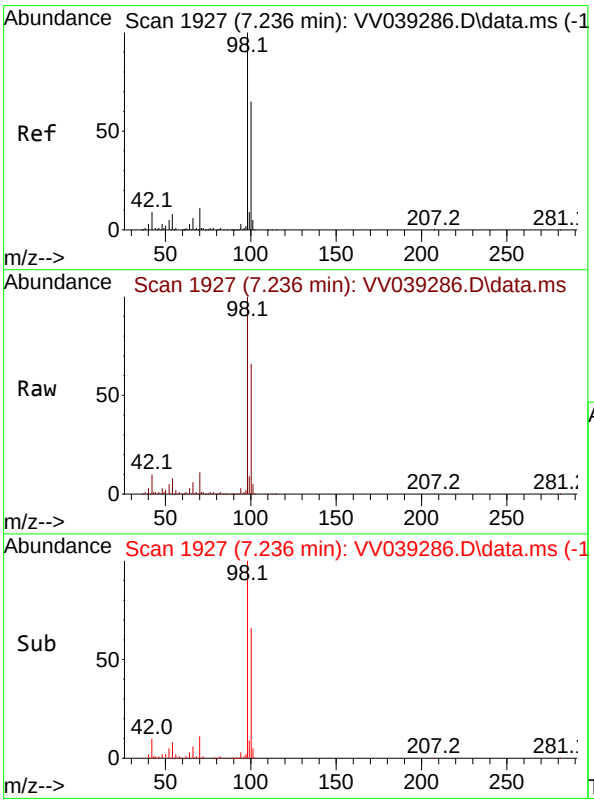
#49
1,4-Dioxane
Concen: 998.879 ug/l
RT: 6.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 132823

Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.1	36.1
58	72.0	57.6	86.4

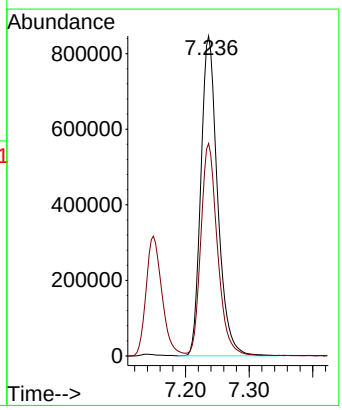


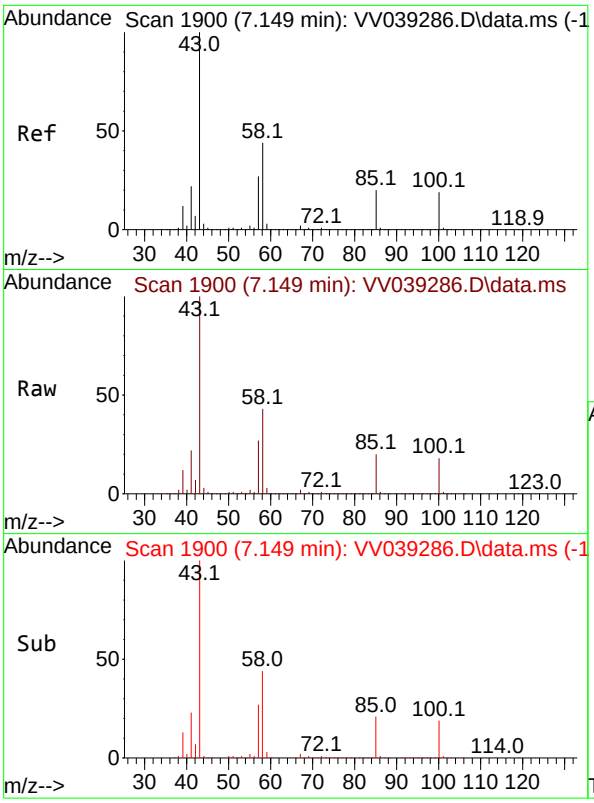


#50
Toluene-d8
Concen: 50.485 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 98 Resp: 1539340

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2



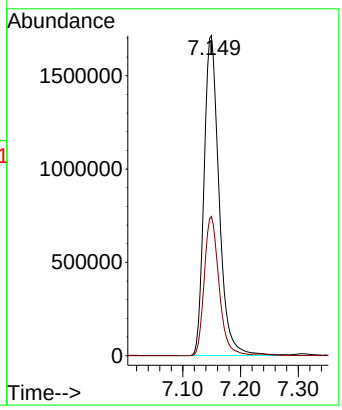


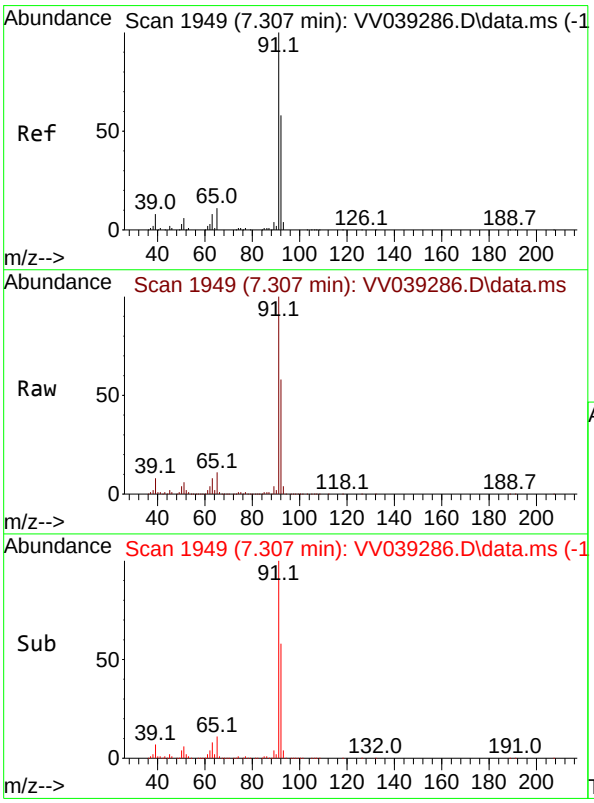
#51
4-Methyl-2-Pentanone
Concen: 258.354 ug/l
RT: 7.149 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 3092633

Ion	Ratio	Lower	Upper
43	100		
58	42.8	34.2	51.4

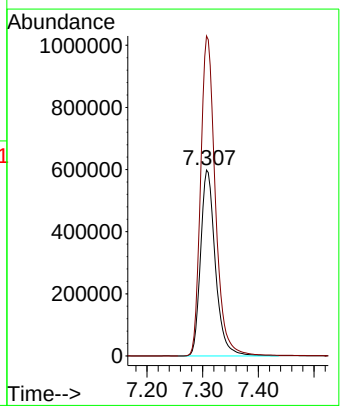


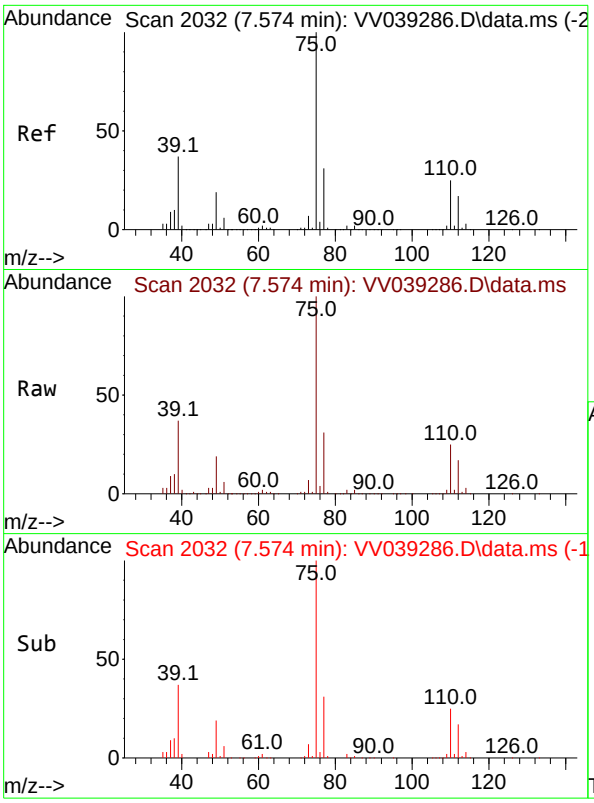


#52
Toluene
Concen: 50.633 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 92 Resp: 1104357

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9



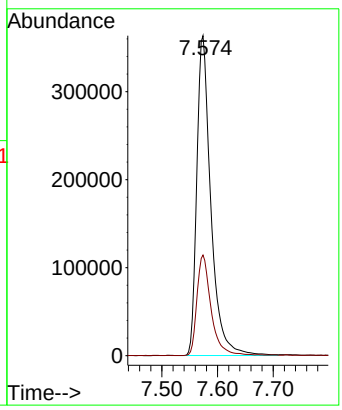


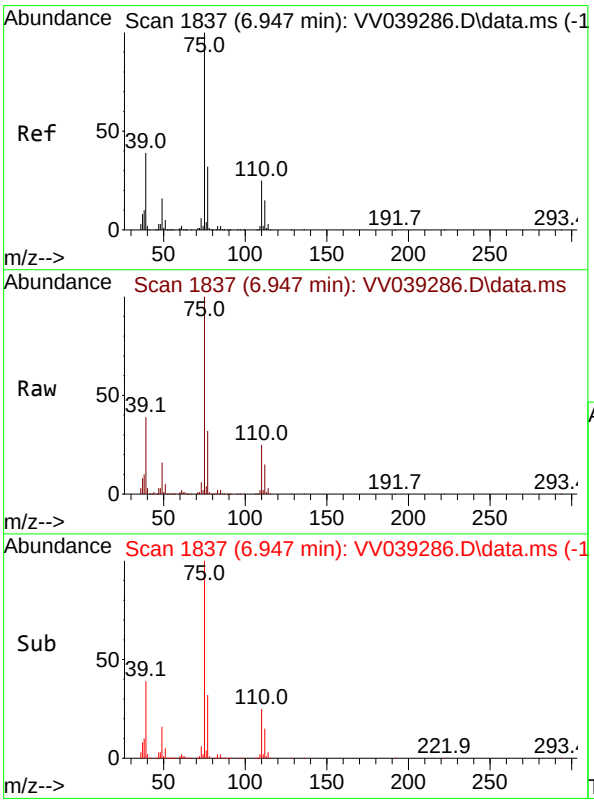
#53
t-1,3-Dichloropropene
Concen: 50.493 ug/l
RT: 7.574 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 638831

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

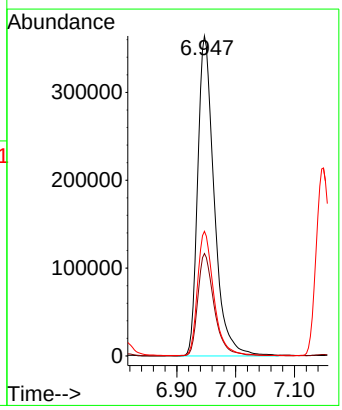


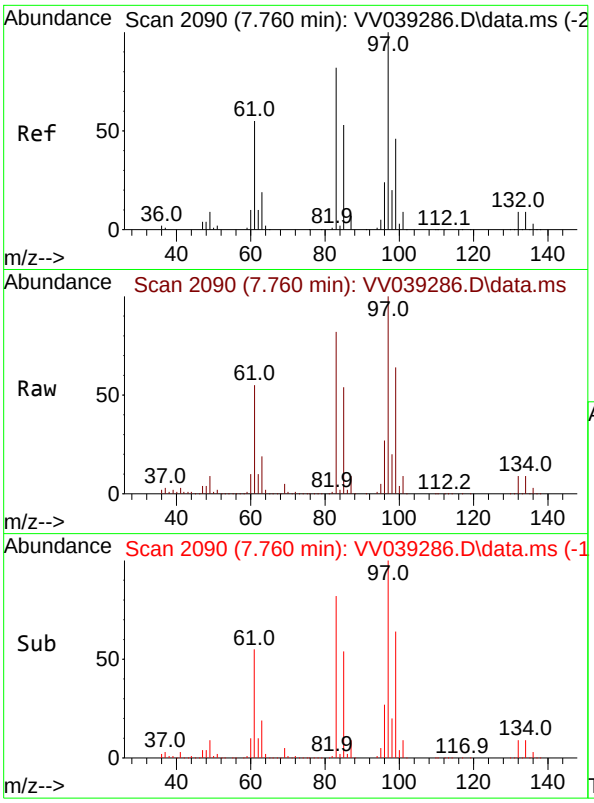


#54
cis-1,3-Dichloropropene
Concen: 50.309 ug/l
RT: 6.947 min Scan# 1837
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 75 Resp: 707649

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	38.8	31.0	46.6



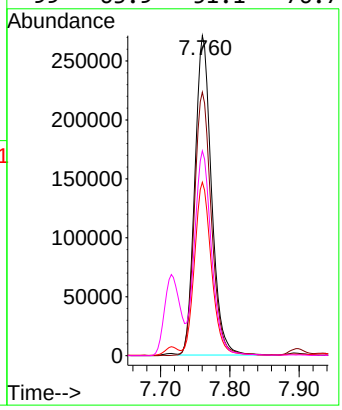


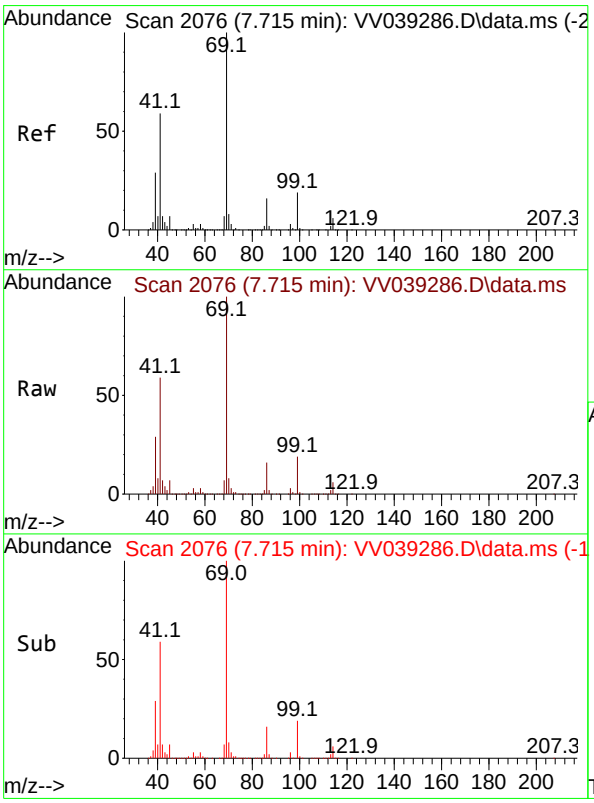
#55
1,1,2-Trichloroethane
Concen: 46.167 ug/l
RT: 7.760 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 454676

Ion	Ratio	Lower	Upper
97	100		
83	82.3	65.8	98.8
85	54.1	43.3	64.9
99	63.9	51.1	76.7

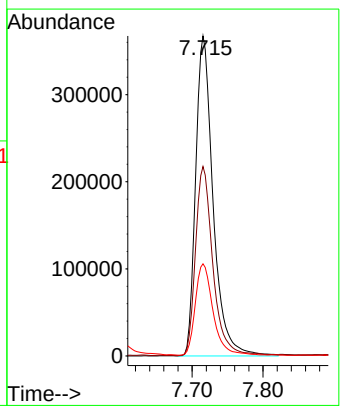


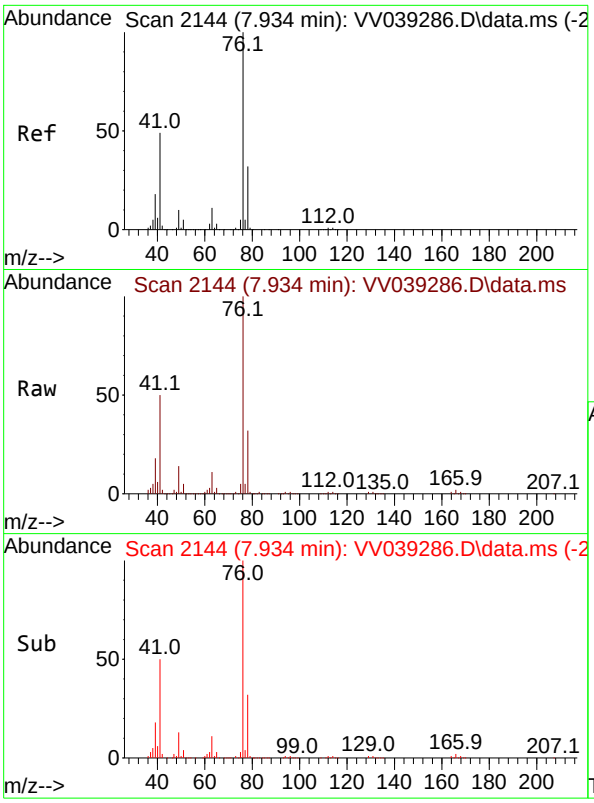


#56
Ethyl methacrylate
Concen: 57.196 ug/l
RT: 7.715 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 69 Resp: 628899

Ion	Ratio	Lower	Upper
69	100		
41	58.9	47.1	70.7
39	29.0	23.2	34.8



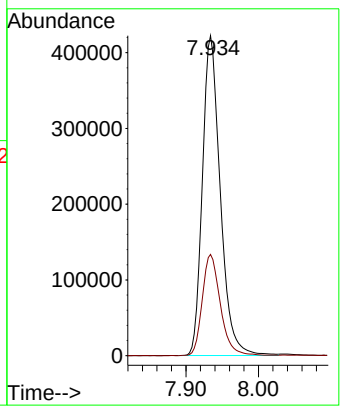


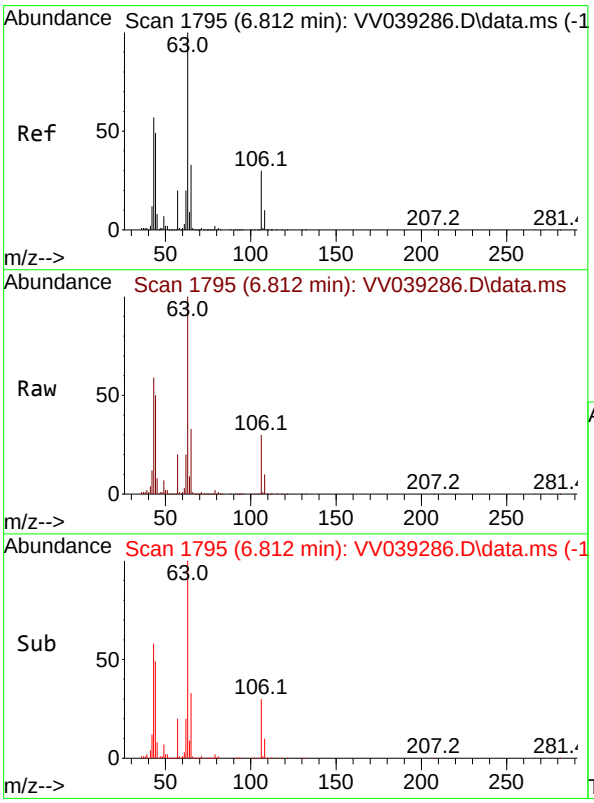
#57
1,3-Dichloropropane
Concen: 48.704 ug/l
RT: 7.934 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 723830

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

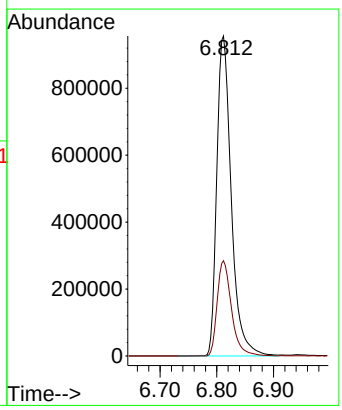


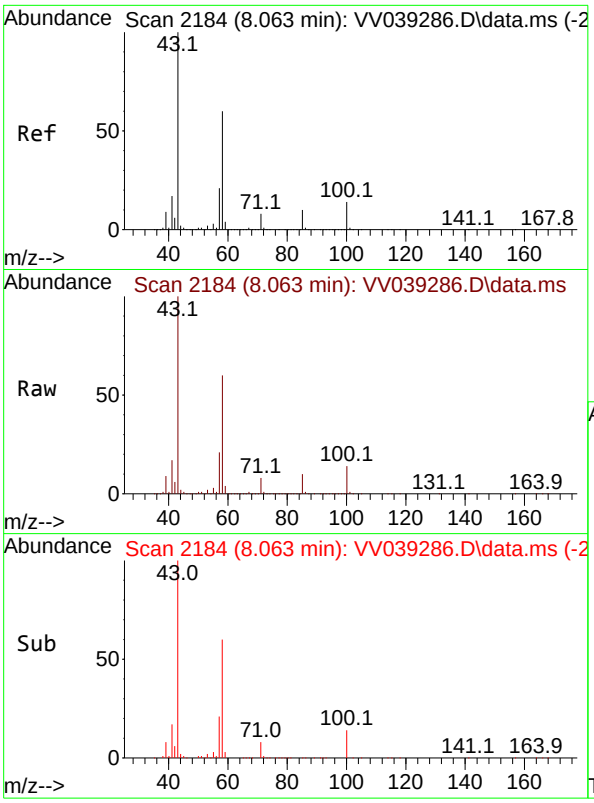


#58
2-Chloroethyl Vinyl ether
Concen: 251.146 ug/l
RT: 6.812 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 63 Resp: 1696282

Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.5	35.3



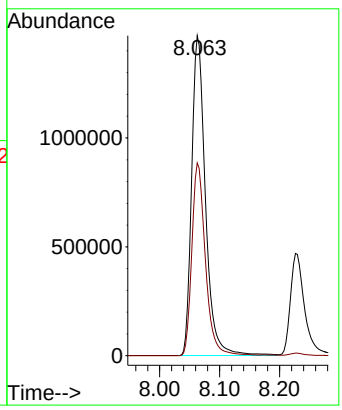


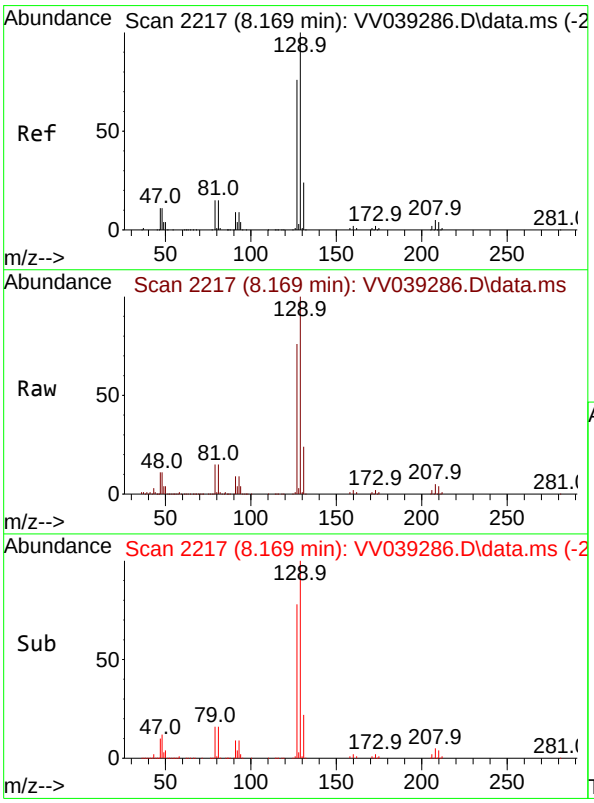
#59
2-Hexanone
Concen: 268.024 ug/l
RT: 8.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 2355430

Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.6	88.9

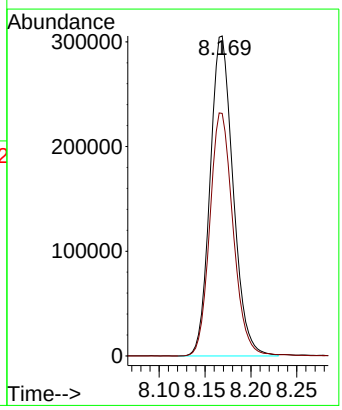


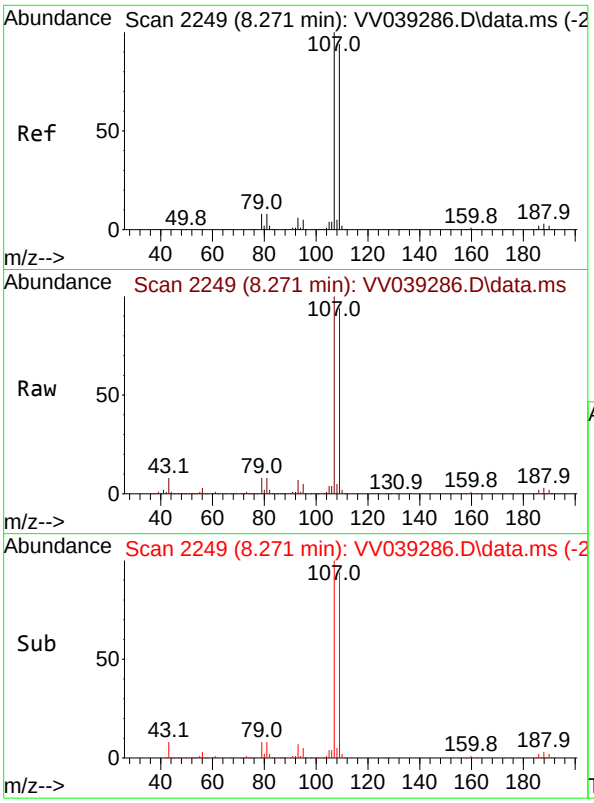


#60
Dibromochloromethane
Concen: 46.348 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:129 Resp: 533708

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.4	115.1



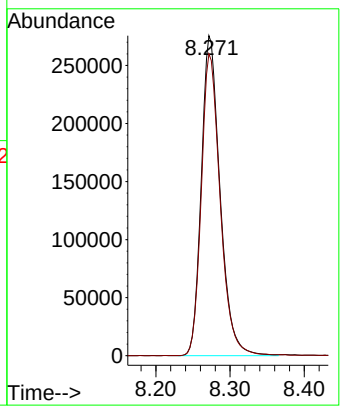


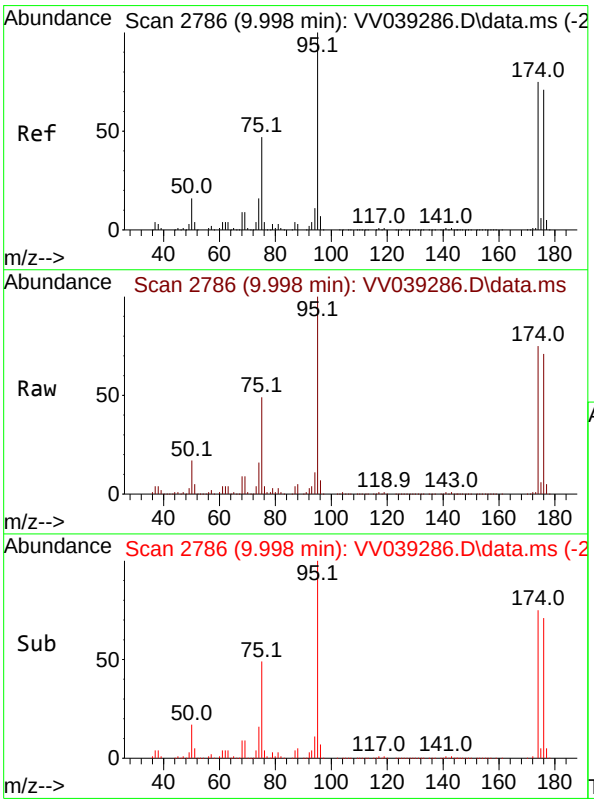
#61
1,2-Dibromoethane
Concen: 47.323 ug/l
RT: 8.271 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 485299

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.8	113.6

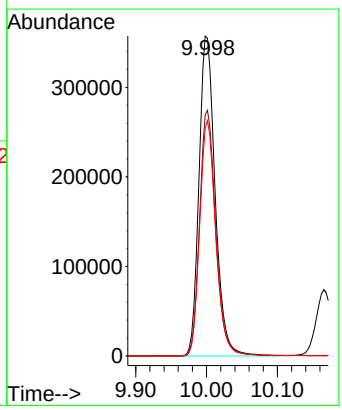


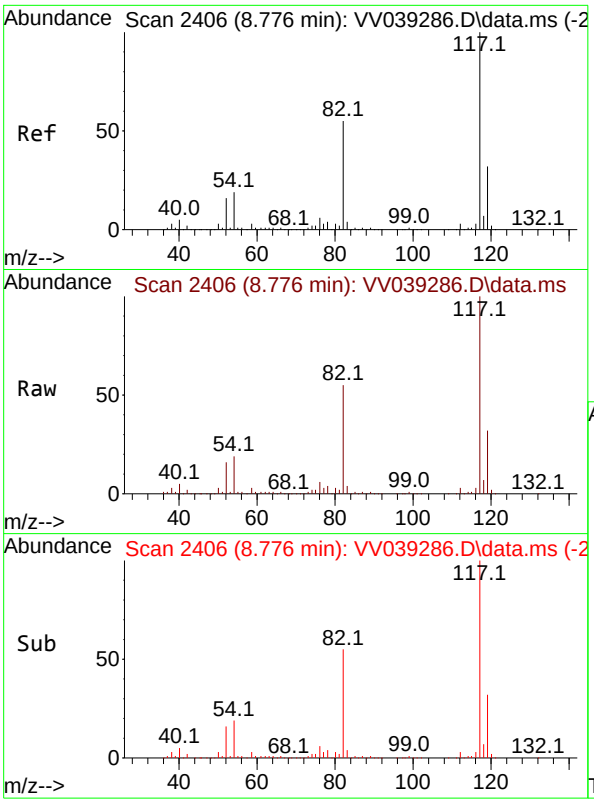


#62
4-Bromofluorobenzene
Concen: 52.159 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 95 Resp: 566407

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	153.6
176	73.0	0.0	146.0



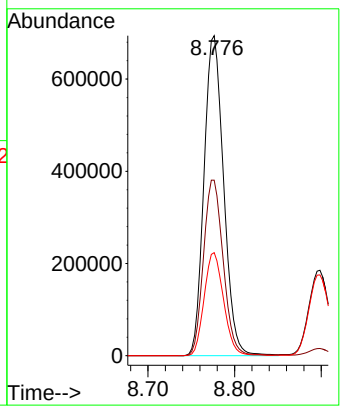


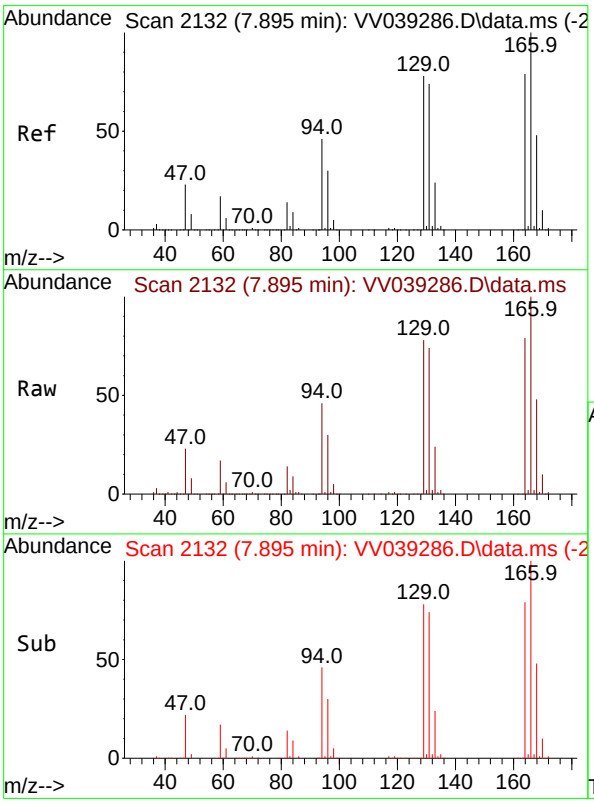
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 1093562

Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.8	65.8
119	32.2	25.8	38.6

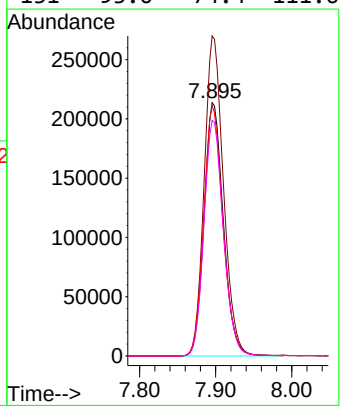


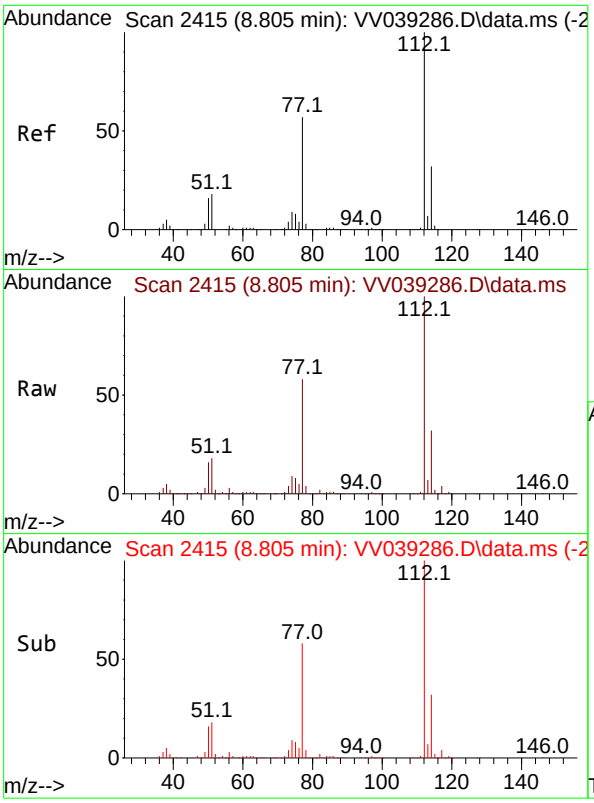


#64
Tetrachloroethene
Concen: 47.105 ug/l
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:164 Resp: 375765

Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.0	151.6
129	98.8	79.0	118.6
131	93.0	74.4	111.6



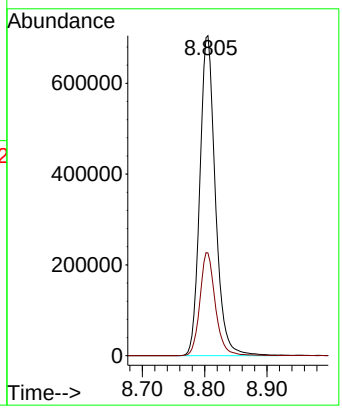


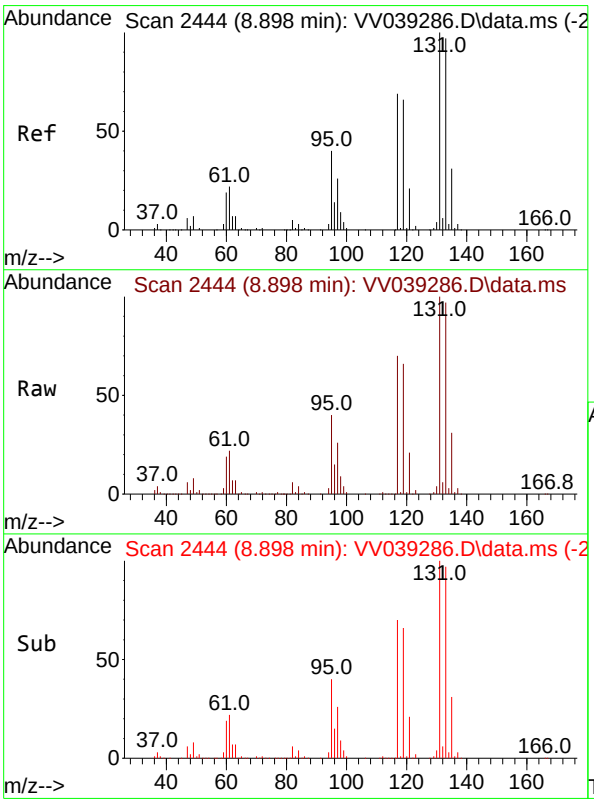
#65
Chlorobenzene
Concen: 47.158 ug/l
RT: 8.805 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 1220837

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

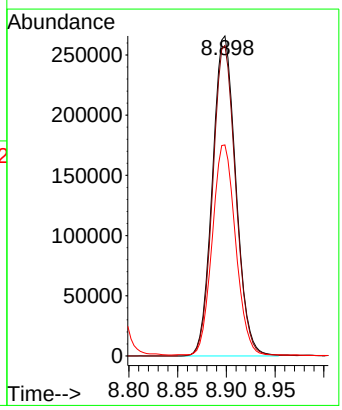


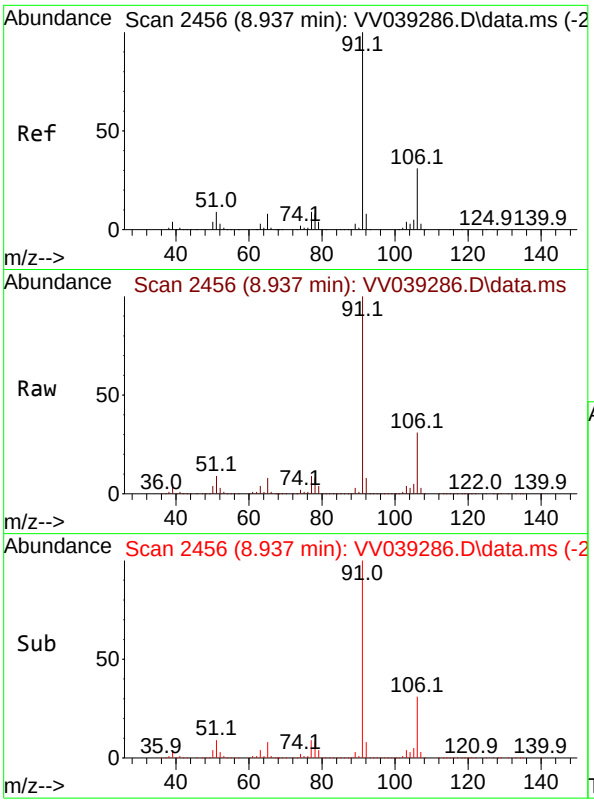


#66
1,1,1,2-Tetrachloroethane
Concen: 45.895 ug/l
RT: 8.898 min Scan# 2444
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:131 Resp: 445040

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	65.4	32.7	98.1



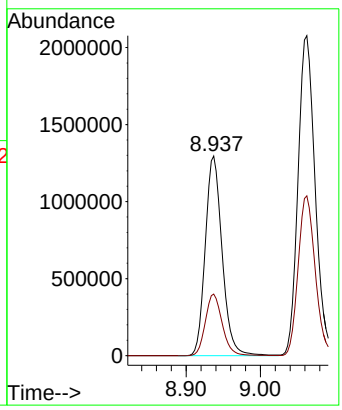


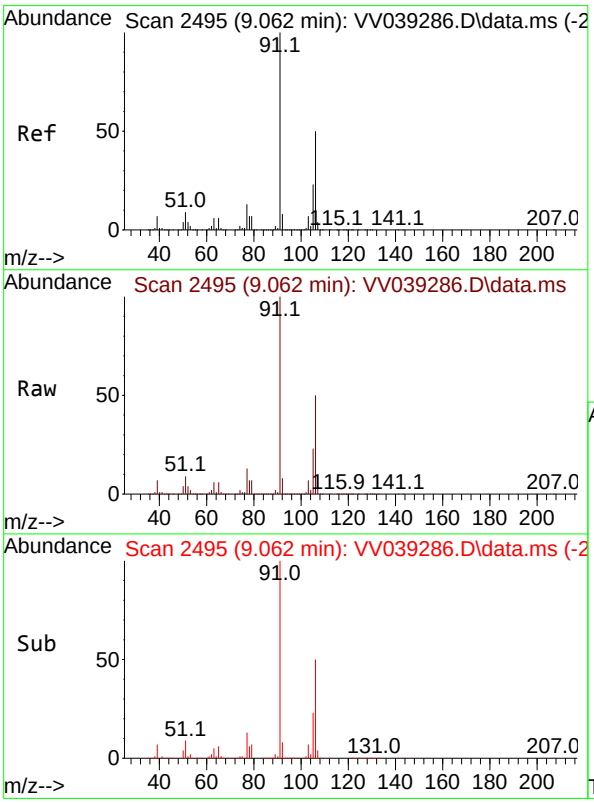
#67
Ethyl Benzene
Concen: 53.520 ug/l
RT: 8.937 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 2040911

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.6	37.0

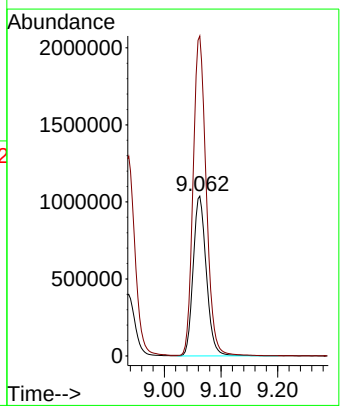


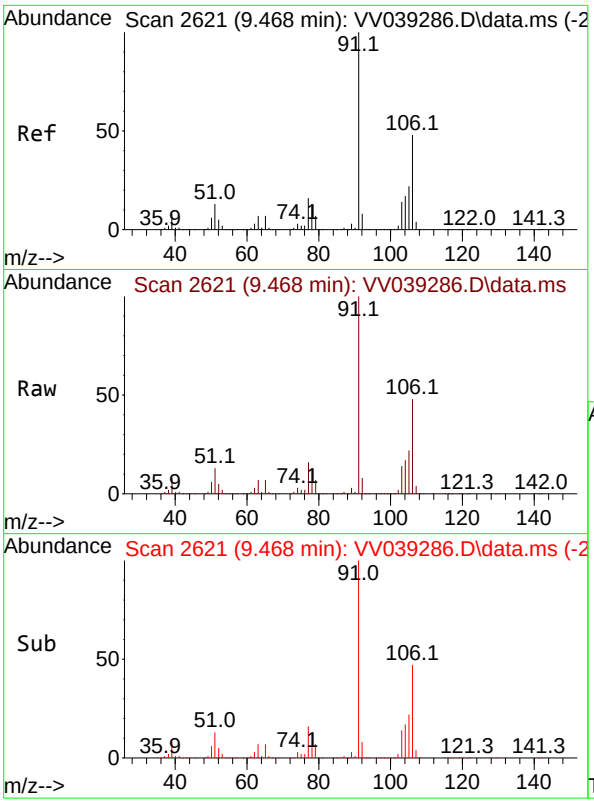


#68
m/p-Xylenes
Concen: 110.475 ug/l
RT: 9.062 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:106 Resp: 1670888

Ion	Ratio	Lower	Upper
106	100		
91	200.2	160.2	240.2



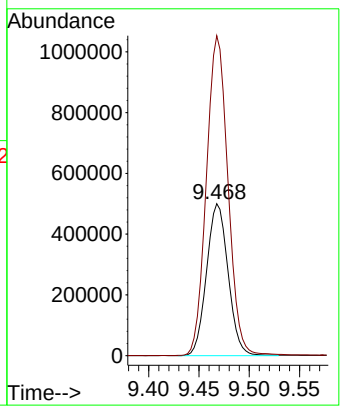


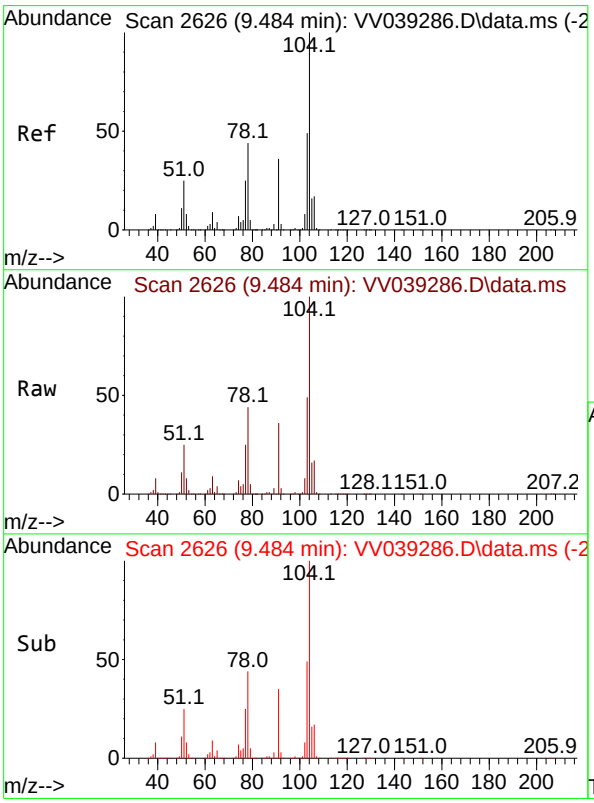
#69
o-Xylene
Concen: 55.823 ug/l
RT: 9.468 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 745603

Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.8	317.3

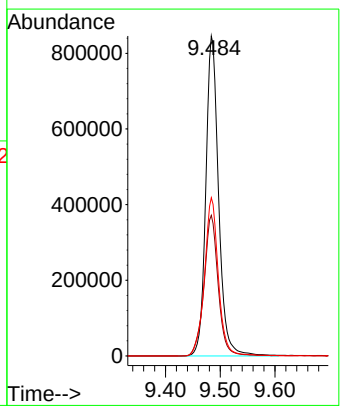


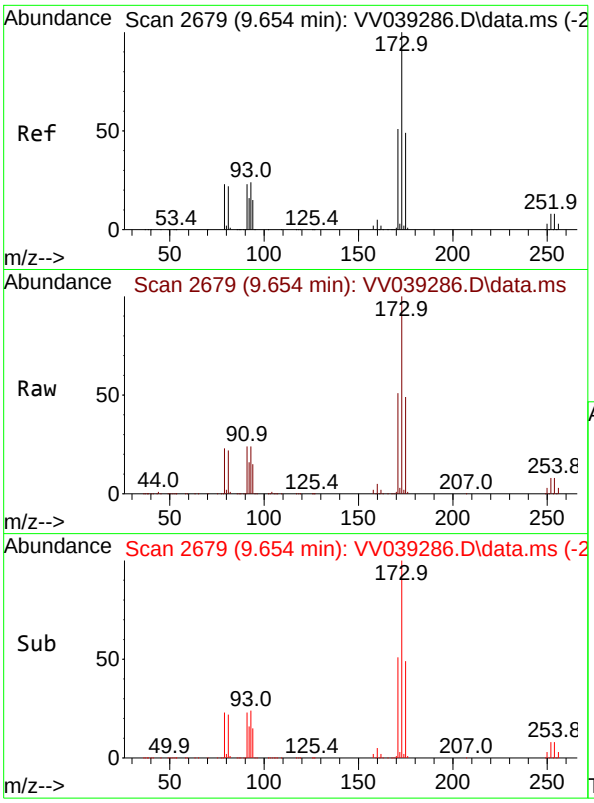


#70
Styrene
Concen: 57.875 ug/l
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:104 Resp: 1375448

Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.9	58.3
103	53.6	42.9	64.3



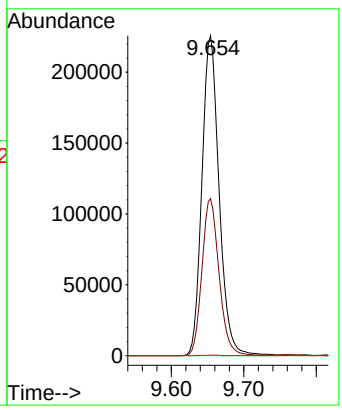


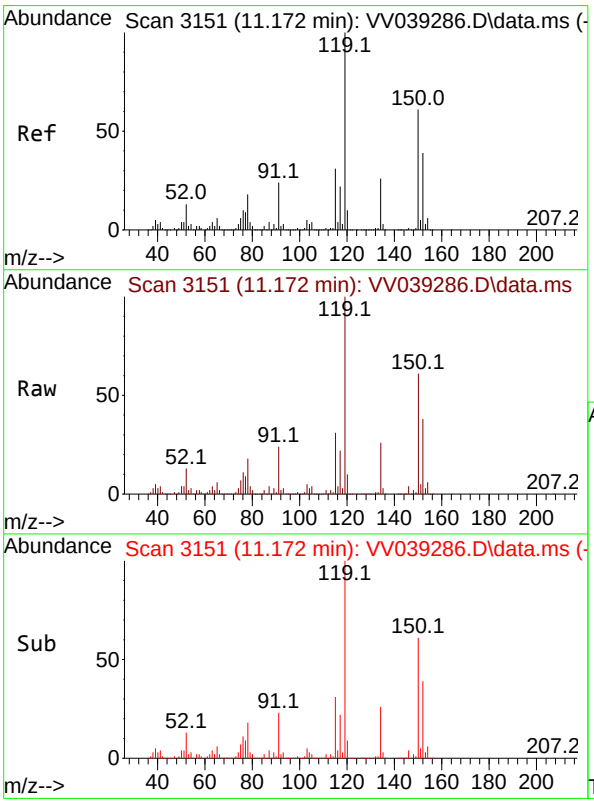
#71
Bromoform
Concen: 47.379 ug/l
RT: 9.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 371541

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.2	0.2	0.2#

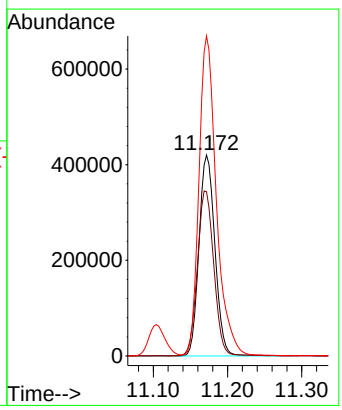


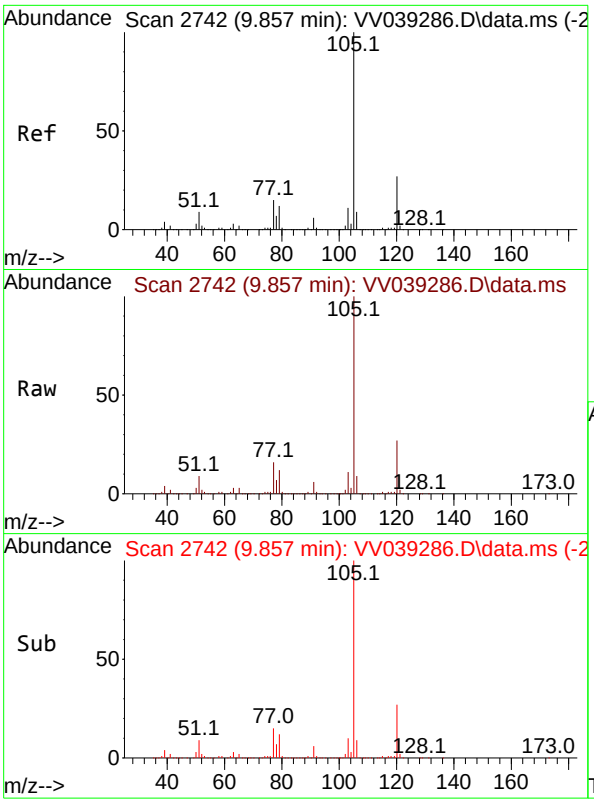


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:152 Resp: 625297

Ion	Ratio	Lower	Upper
152	100		
115	84.5	42.3	126.8
150	174.0	0.0	348.0



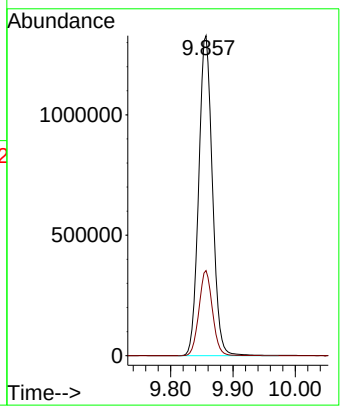


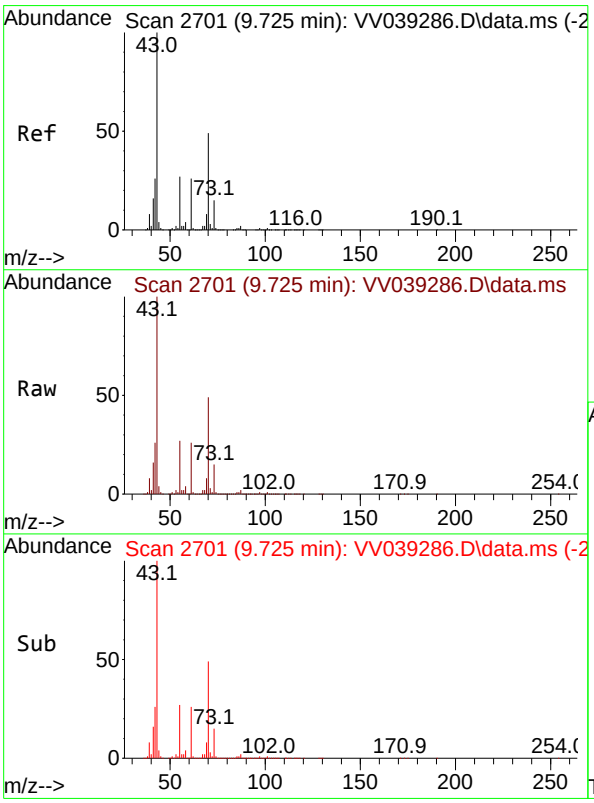
#73
Isopropylbenzene
Concen: 53.383 ug/l
RT: 9.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 2026988

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

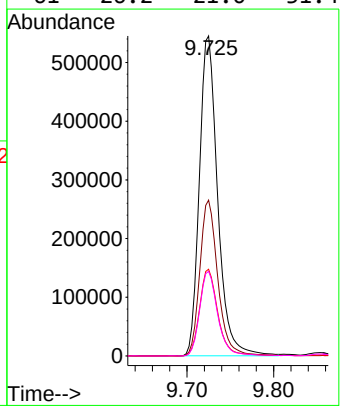


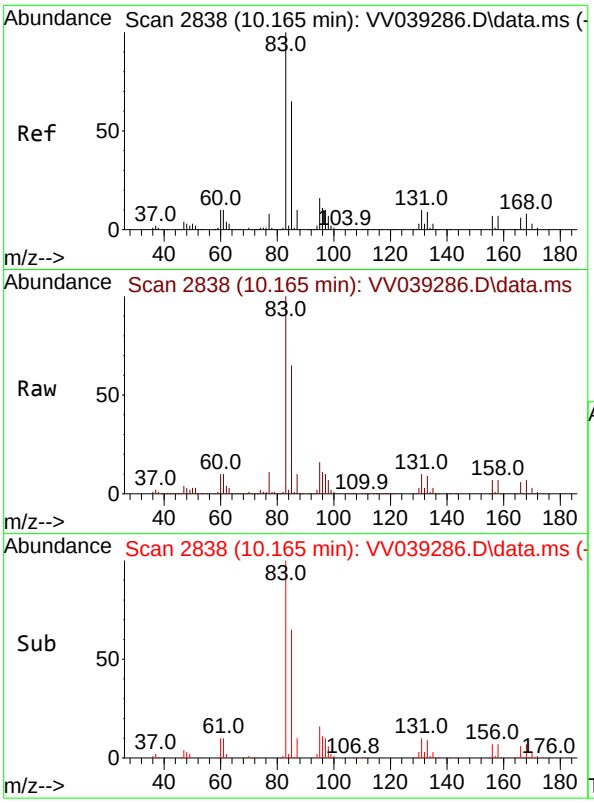


#74
N-amyl acetate
Concen: 50.776 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 43 Resp: 800323

Ion	Ratio	Lower	Upper
43	100		
70	48.3	38.6	58.0
55	27.4	21.9	32.9
61	26.2	21.0	31.4



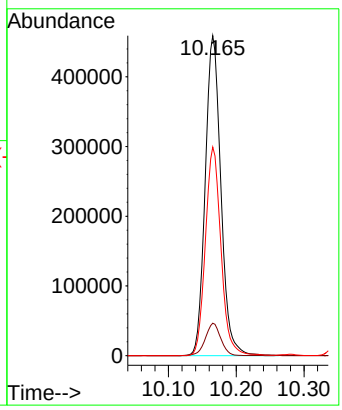


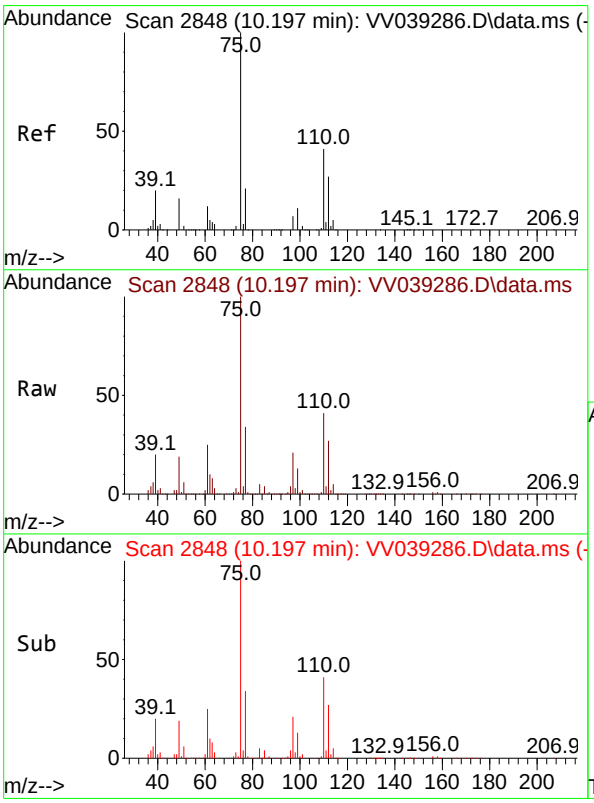
#75
1,1,2,2-Tetrachloroethane
Concen: 42.309 ug/l
RT: 10.165 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 737774

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.8	32.4	97.2

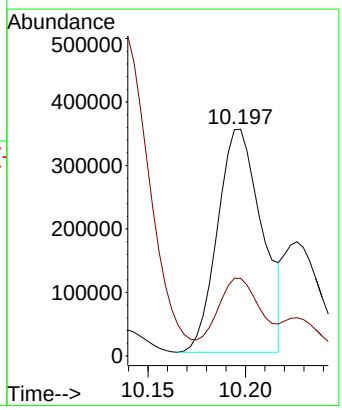


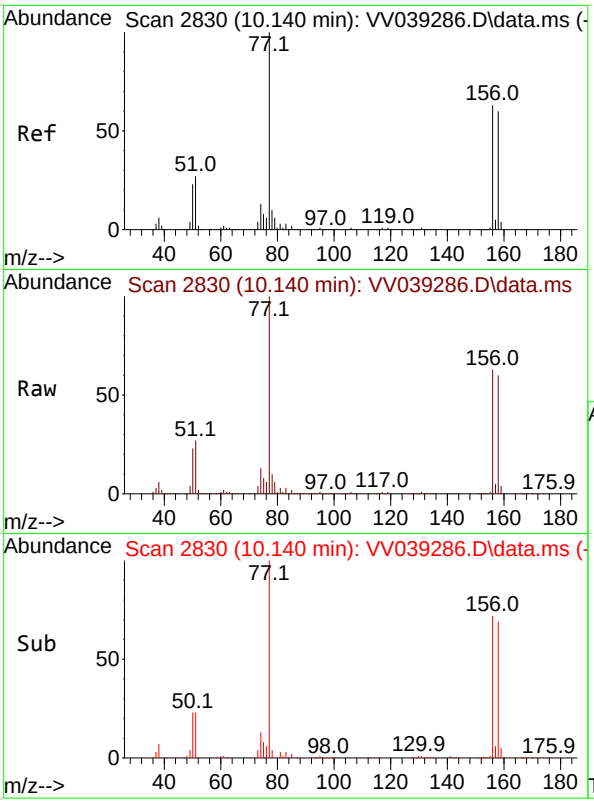


#76
1,2,3-Trichloropropane
Concen: 44.704 ug/l
RT: 10.197 min Scan# 2848
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 75 Resp: 557918

Ion	Ratio	Lower	Upper
75	100		
77	24.3	12.2	36.4



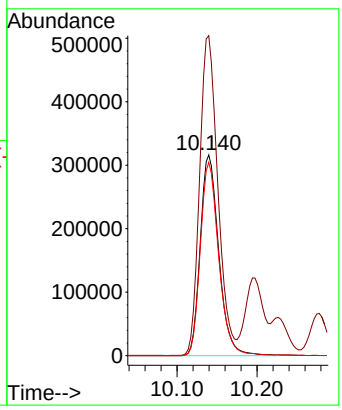


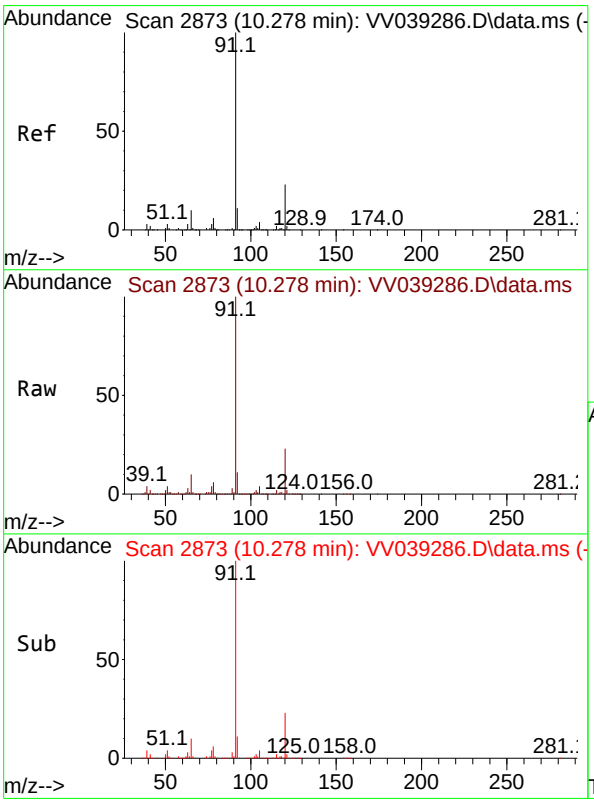
#77
Bromobenzene
Concen: 48.959 ug/l
RT: 10.140 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 511049

Ion	Ratio	Lower	Upper
156	100		
77	156.8	78.4	235.2
158	95.4	47.7	143.1

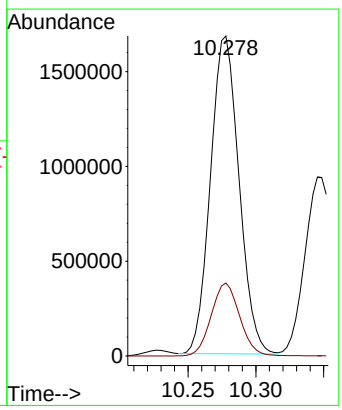


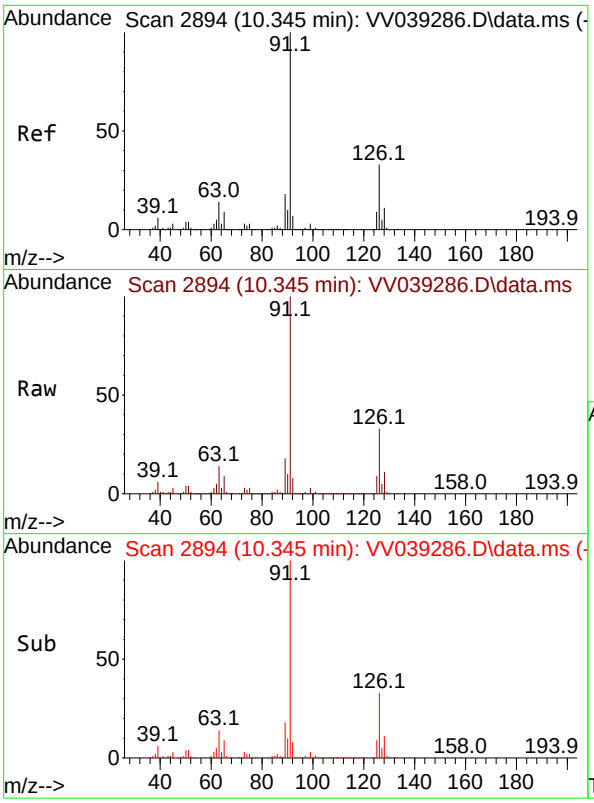


#78
n-propylbenzene
Concen: 53.335 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 91 Resp: 2457311

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5



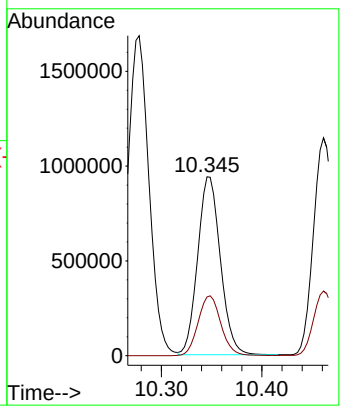


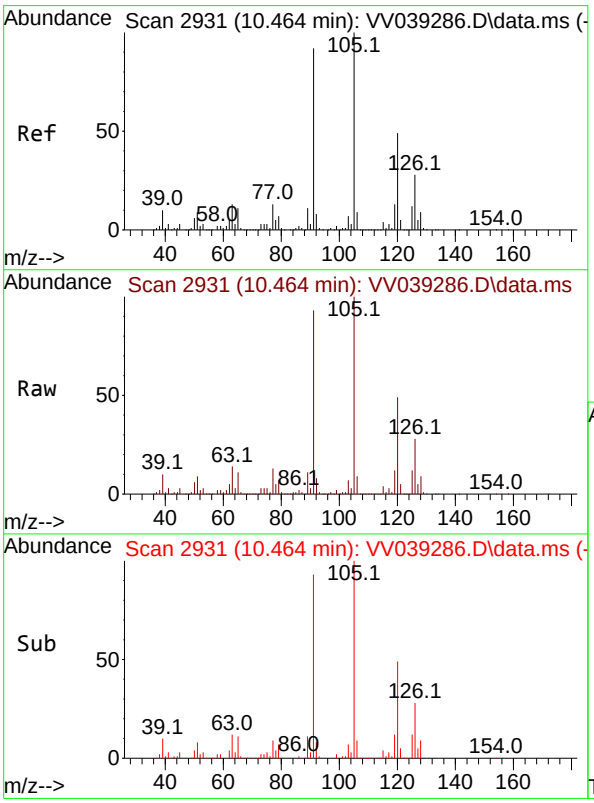
#79
2-Chlorotoluene
Concen: 51.870 ug/l
RT: 10.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1475472

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6

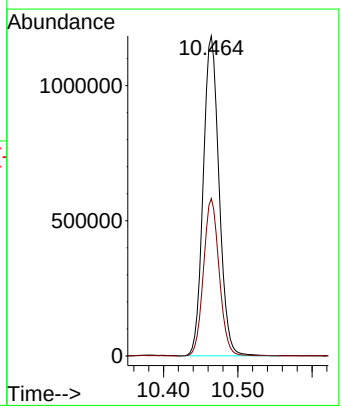


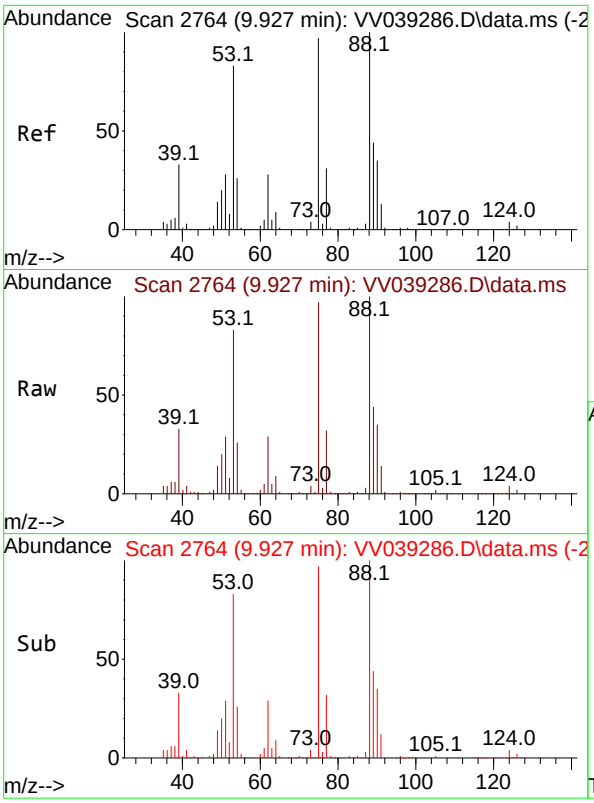


#80
1,3,5-Trimethylbenzene
Concen: 54.996 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:105 Resp: 1751408

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	73.0



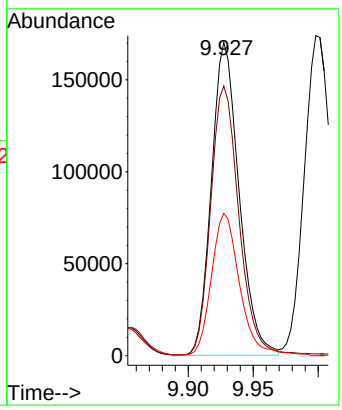


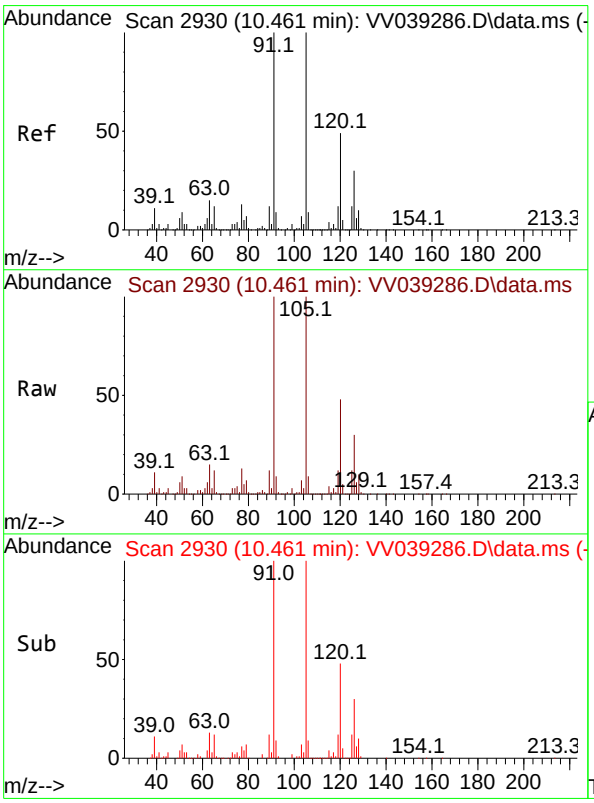
#81
trans-1,4-Dichloro-2-butene
Concen: 50.935 ug/l
RT: 9.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 251705

Ion	Ratio	Lower	Upper
75	100		
53	87.4	69.9	104.9
89	46.7	37.4	56.0

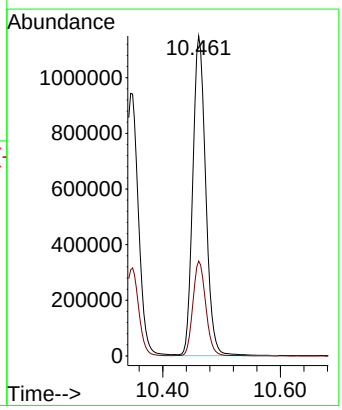


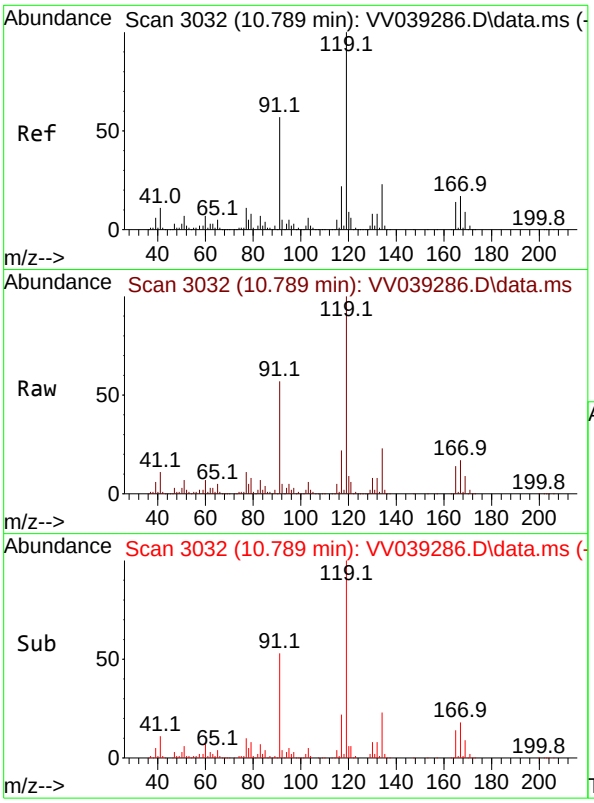


#82
4-Chlorotoluene
Concen: 53.481 ug/l
RT: 10.461 min Scan# 2930
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 91 Resp: 1748616

Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.8	44.4



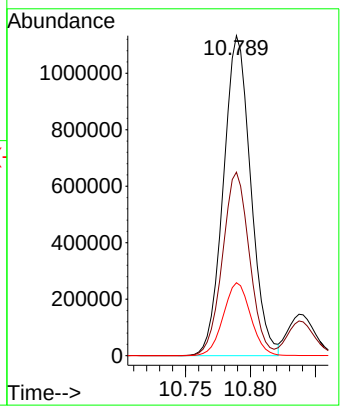


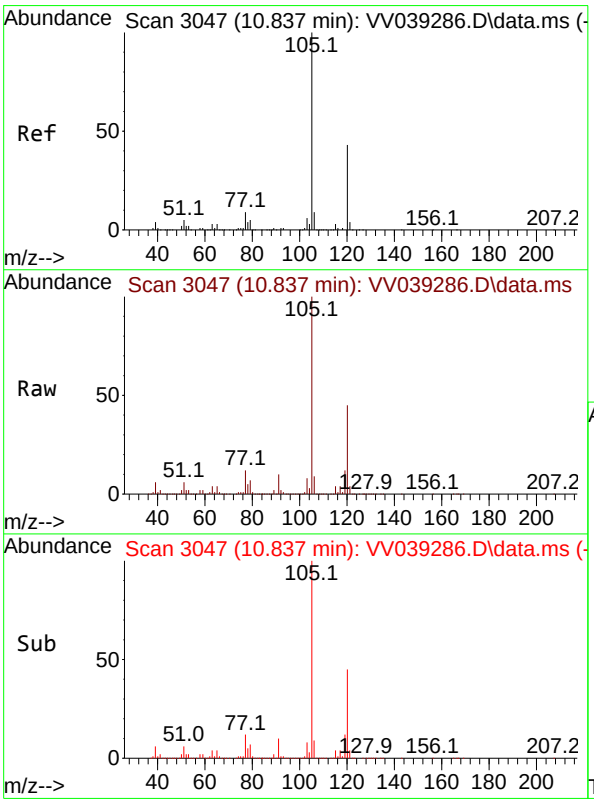
#83
tert-Butylbenzene
Concen: 52.491 ug/l
RT: 10.789 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 1659866

Ion	Ratio	Lower	Upper
119	100		
91	56.5	28.2	84.7
134	22.9	11.5	34.4

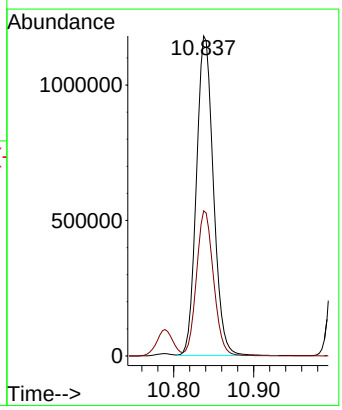


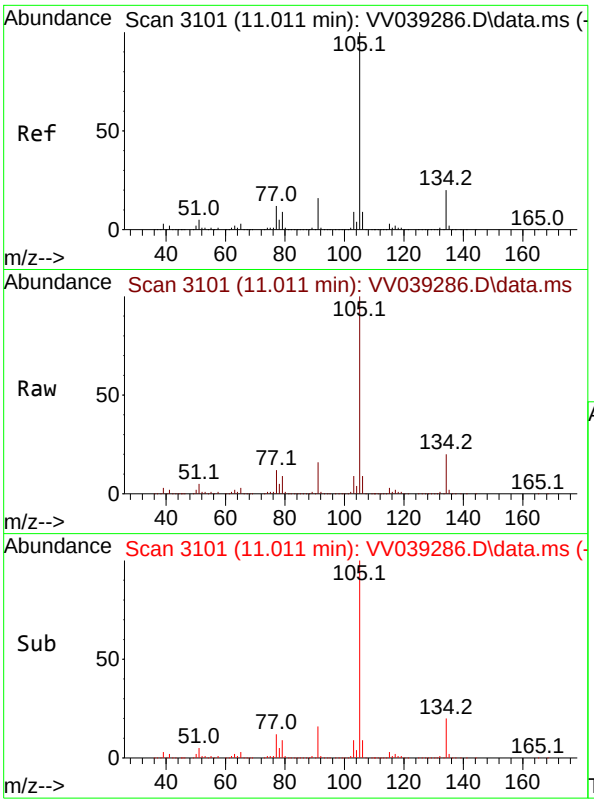


#84
1,2,4-Trimethylbenzene
Concen: 55.586 ug/l
RT: 10.837 min Scan# 3047
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:105 Resp: 1742653

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4



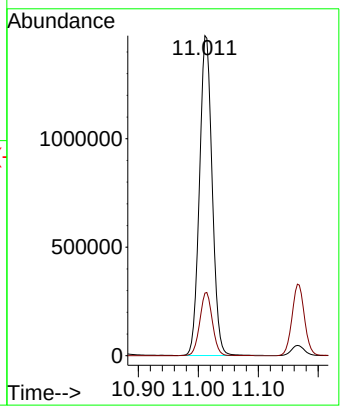


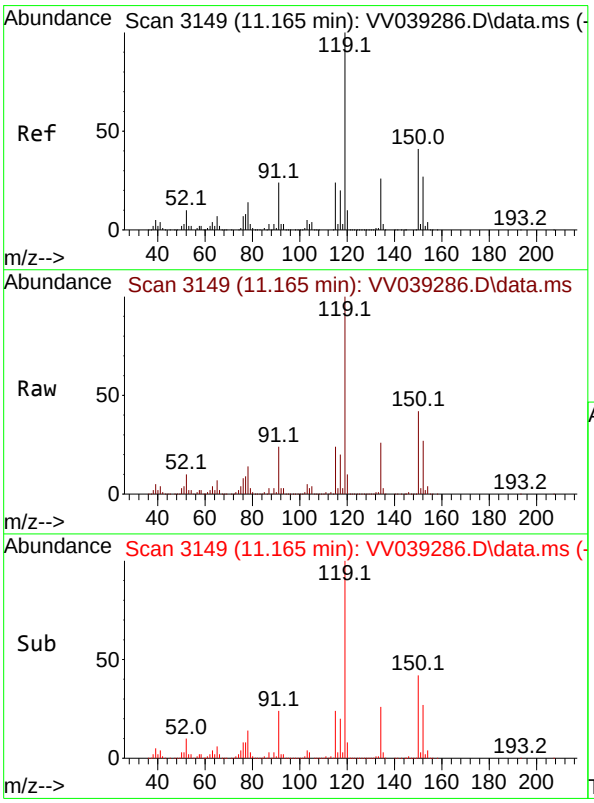
#85
sec-Butylbenzene
Concen: 54.215 ug/l
RT: 11.011 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 2167600

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

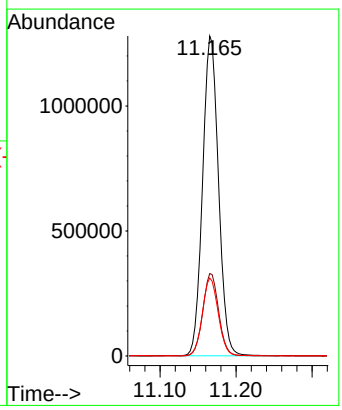


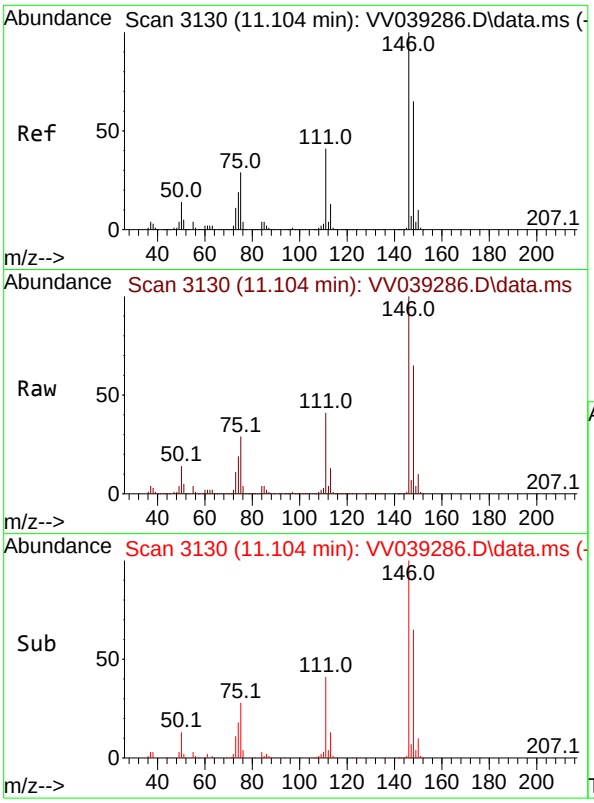


#86
p-Isopropyltoluene
Concen: 53.970 ug/l
RT: 11.165 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:119 Resp: 1855256

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.3	12.2	36.4



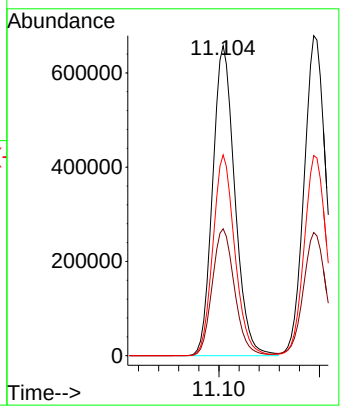


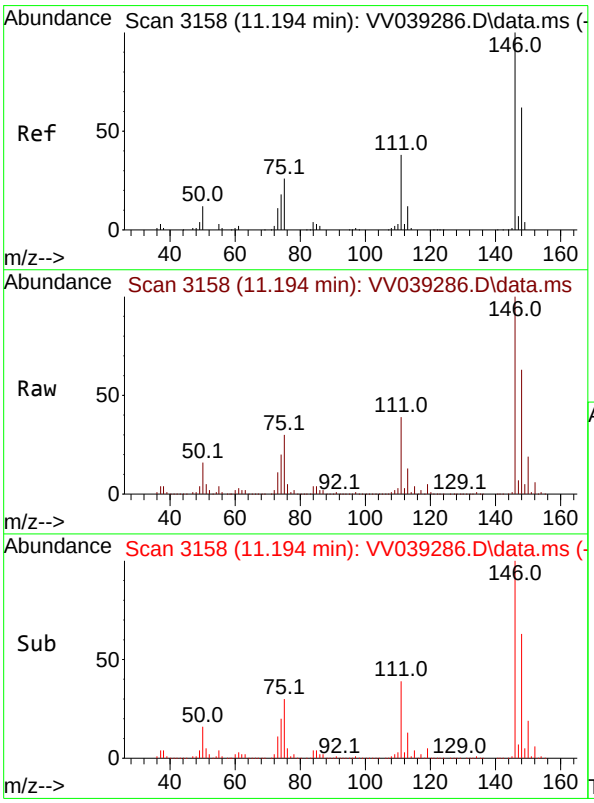
#87
1,3-Dichlorobenzene
Concen: 48.428 ug/l
RT: 11.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 1008275

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	63.9	31.9	95.9

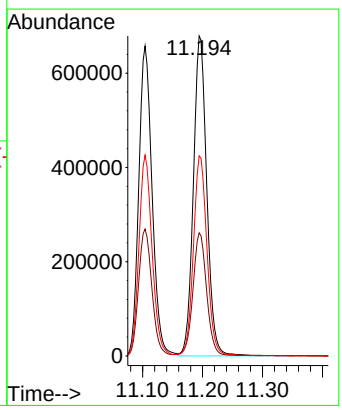


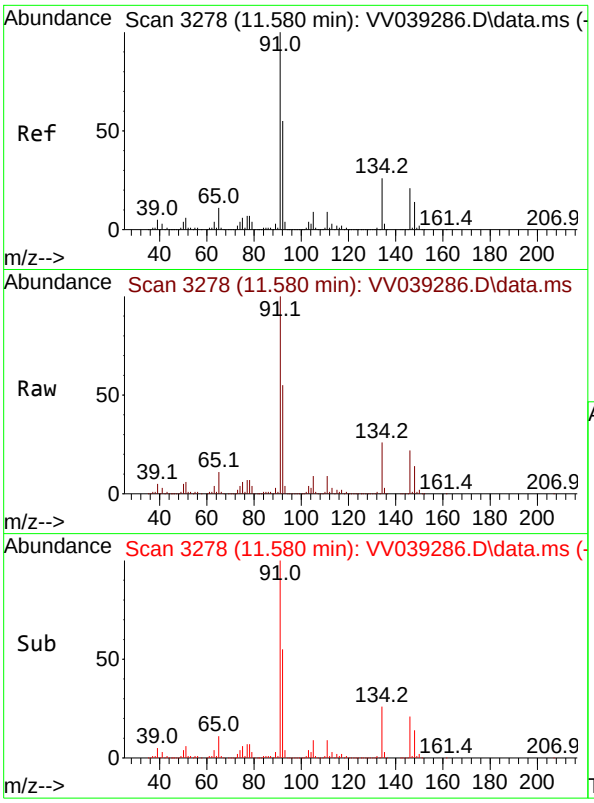


#88
1,4-Dichlorobenzene
Concen: 45.109 ug/l
RT: 11.194 min Scan# 3158
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:146 Resp: 1058637

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	63.0	31.5	94.5



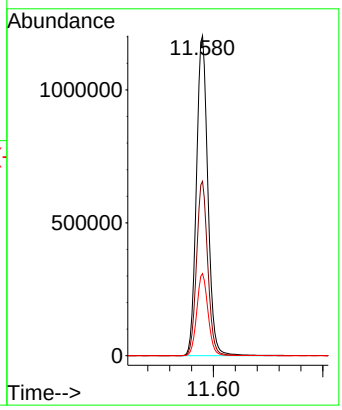


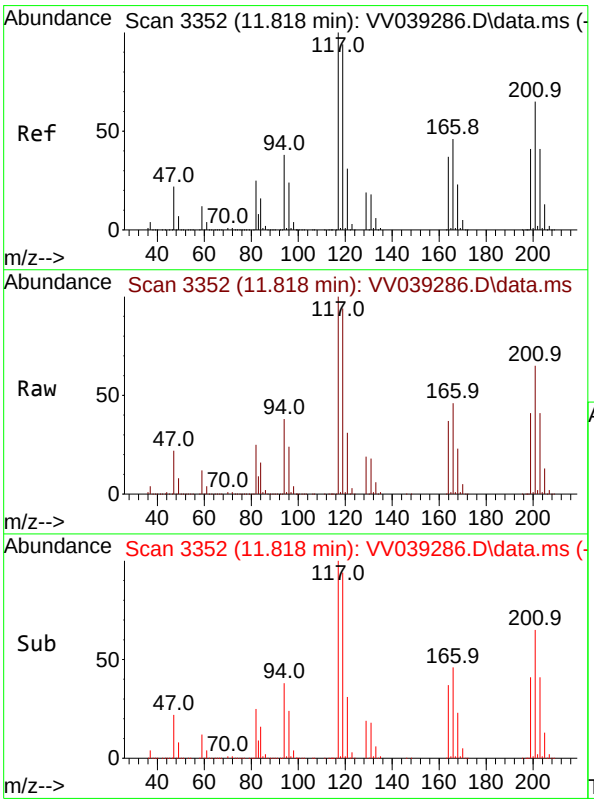
#89
n-Butylbenzene
Concen: 54.374 ug/l
RT: 11.580 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1740657

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.6
134	25.2	12.6	37.8

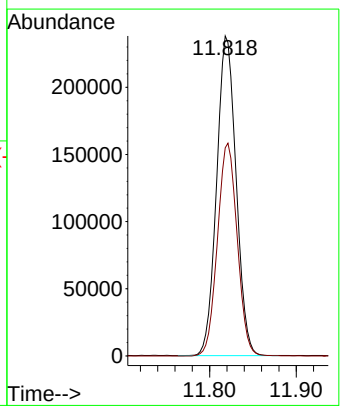


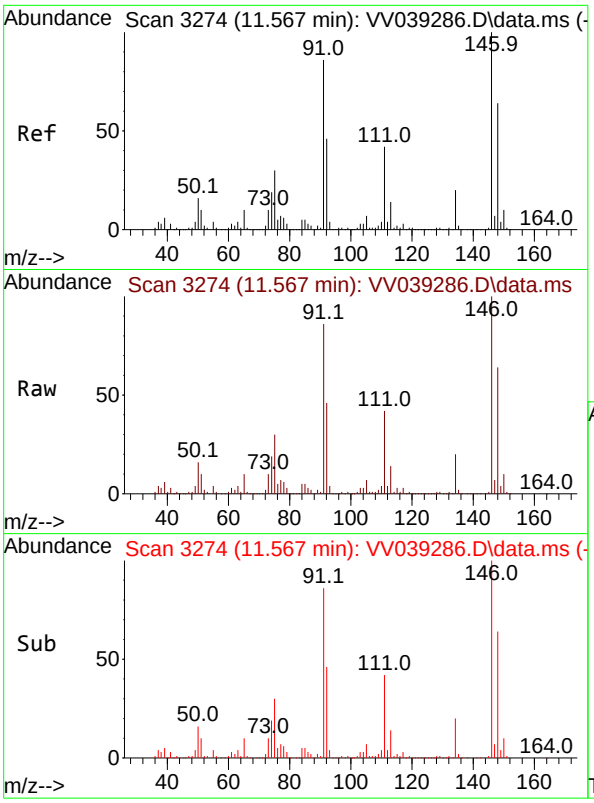


#90
Hexachloroethane
Concen: 43.751 ug/l
RT: 11.818 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:117 Resp: 371889

Ion	Ratio	Lower	Upper
117	100		
201	67.4	33.7	101.1



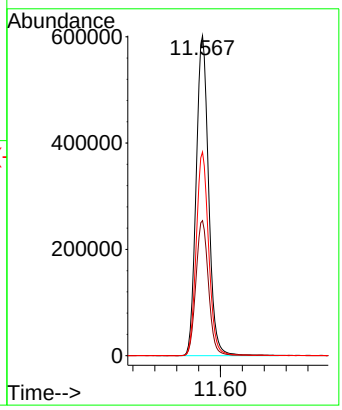


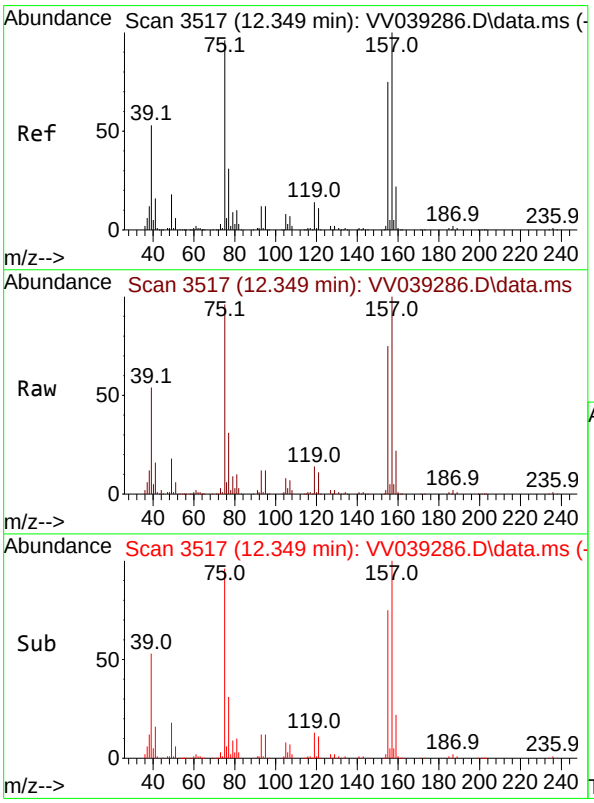
#91
1,2-Dichlorobenzene
Concen: 47.855 ug/l
RT: 11.567 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 947801

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	64.0
148	63.8	31.9	95.7

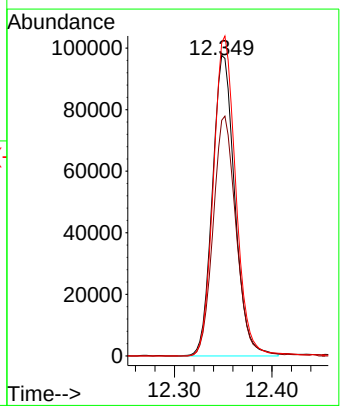


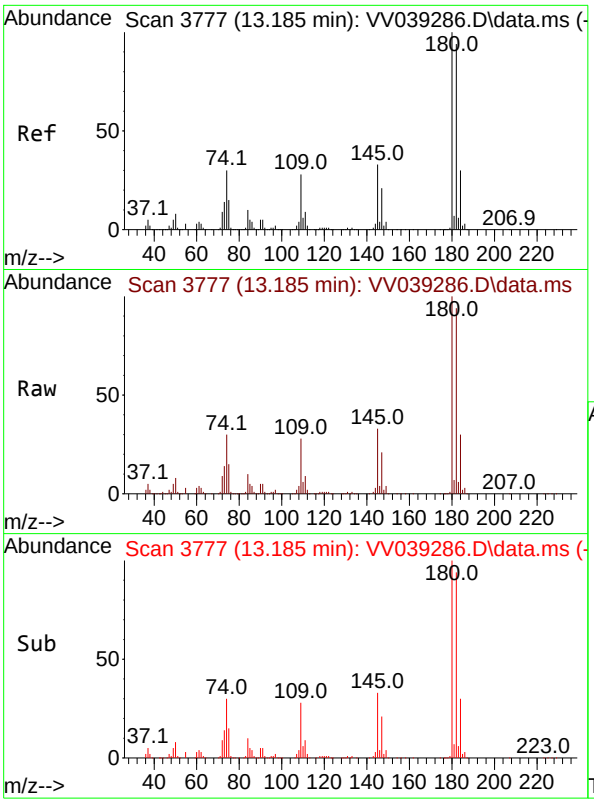


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.509 ug/l
RT: 12.349 min Scan# 3517
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion: 75 Resp: 156001

Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.8	122.5
157	106.7	53.3	160.0



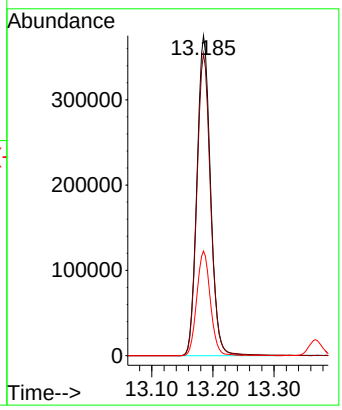


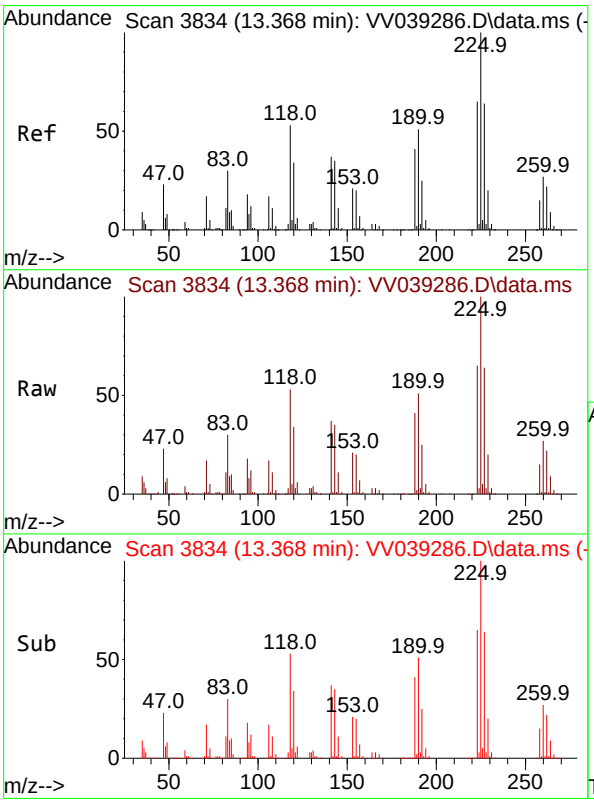
#93
1,2,4-Trichlorobenzene
Concen: 52.434 ug/l
RT: 13.185 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 579179

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9

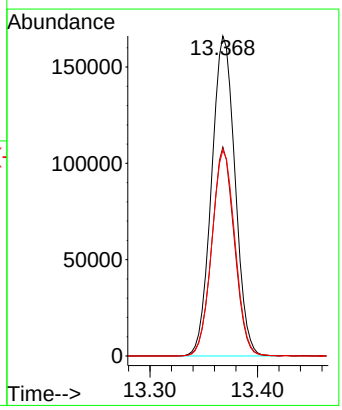


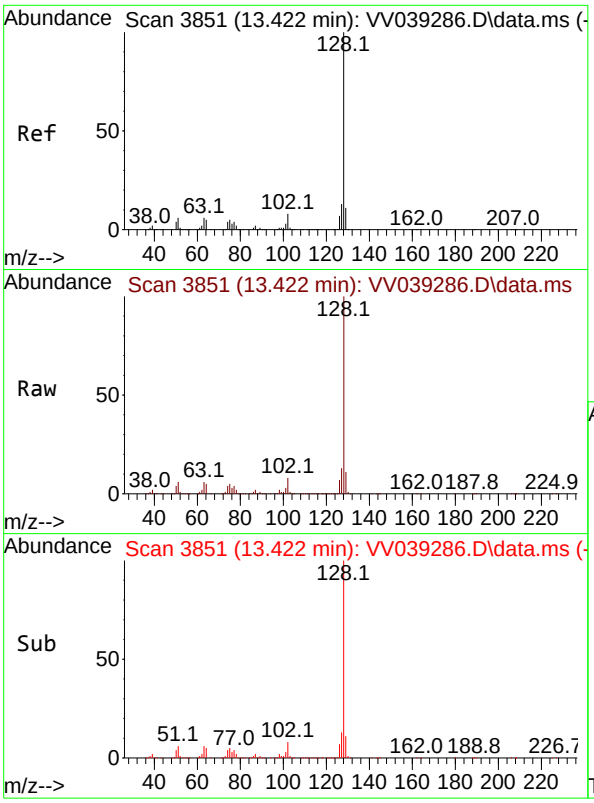


#94
Hexachlorobutadiene
Concen: 45.029 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:225 Resp: 251863

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	63.4	31.7	95.1



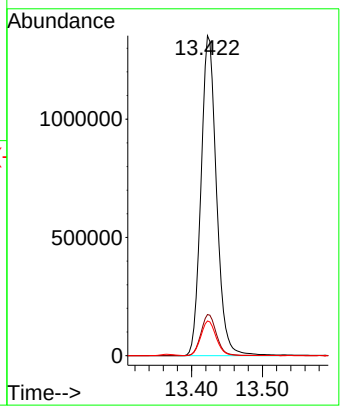


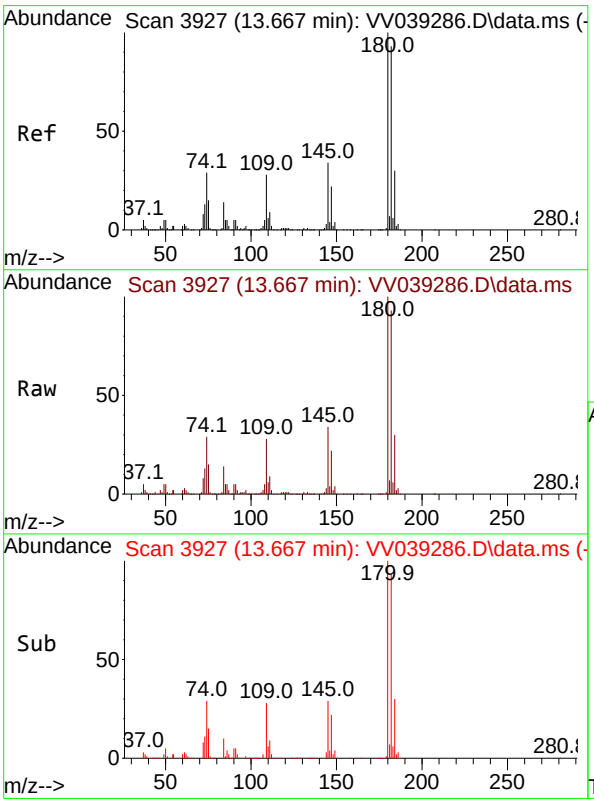
#95
Naphthalene
Concen: 56.776 ug/l
RT: 13.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 2054704

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

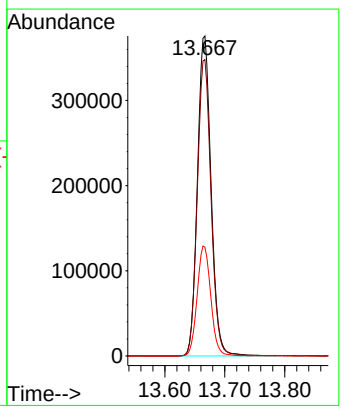




#96
1,2,3-Trichlorobenzene
Concen: 52.069 ug/l
RT: 13.667 min Scan# 3927
Delta R.T. 0.000 min
Lab File: VV039286.D
Acq: 07 Oct 2025 11:10

Tgt Ion:180 Resp: 597768

Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.7	140.1
145	34.3	17.2	51.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039287.D
Acq On : 07 Oct 2025 11:32
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Quant Time: Oct 08 04:43:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	749661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1167657	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1107633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	621882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	985564	92.521	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 185.040%#			
35) Dibromofluoromethane	4.497	113	858226	93.282	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 186.560%#			
50) Toluene-d8	7.236	98	3134481	100.146	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 200.300%#			
62) 4-Bromofluorobenzene	9.998	95	1168638	104.841	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 209.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	893519	94.301	ug/l	100
3) Chloromethane	1.230	50	879319	89.137	ug/l	100
4) Vinyl Chloride	1.297	62	998482	88.720	ug/l	99
5) Bromomethane	1.487	94	623024	85.322	ug/l	99
6) Chloroethane	1.555	64	603702	99.386	ug/l	99
7) Trichlorofluoromethane	1.722	101	1463821	85.141	ug/l	100
8) Diethyl Ether	1.918	74	550404	88.590	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	881200	85.597	ug/l	100
10) Methyl Iodide	2.195	142	1028544	115.961	ug/l	99
11) Tert butyl alcohol	2.574	59	889682	430.970	ug/l	100
12) 1,1-Dichloroethene	2.079	96	854123	84.498	ug/l	99
13) Acrolein	2.008	56	596300	506.663	ug/l	99
14) Allyl chloride	2.355	41	1407616	87.845	ug/l	100
15) Acrylonitrile	2.674	53	2595364	423.939	ug/l	99
16) Acetone	2.117	43	2403719	495.727	ug/l	99
17) Carbon Disulfide	2.249	76	2346685	82.192	ug/l	100
18) Methyl Acetate	2.378	43	1264520	91.610	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	2731645	89.783	ug/l	98
20) Methylene Chloride	2.455	84	922846	99.824	ug/l	99
21) trans-1,2-Dichloroethene	2.699	96	880398	82.721	ug/l	99
22) Diisopropyl ether	3.217	45	2663473	92.580	ug/l	93
23) Vinyl Acetate	3.188	43	11652736	461.373	ug/l	99
24) 1,1-Dichloroethane	3.117	63	1598702	82.946	ug/l	99
25) 2-Butanone	3.866	43	3263476	502.401	ug/l	98
26) 2,2-Dichloropropane	3.809	77	1375516	88.606	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	1023815	96.076	ug/l	99
28) Bromochloromethane	4.146	49	683408	81.134	ug/l	100
29) Tetrahydrofuran	4.236	42	2101591	504.695	ug/l	100
30) Chloroform	4.278	83	1662798	84.599	ug/l	100
31) Cyclohexane	4.583	56	1347579	95.992	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	1470824	85.587	ug/l	99
36) 1,1-Dichloropropene	4.741	75	1123479	97.224	ug/l	99
37) Ethyl Acetate	3.973	43	1228696	91.123	ug/l	100
38) Carbon Tetrachloride	4.735	117	1280814	87.445	ug/l	99
39) Methylcyclohexane	6.046	83	1465584	110.972	ug/l	96
40) Benzene	5.008	78	3515685	94.814	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039287.D
Acq On : 07 Oct 2025 11:32
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Quant Time: Oct 08 04:43:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.156	41	593957	100.873	ug/l		98
42) 1,2-Dichloroethane	5.037	62	1144477	87.944	ug/l		100
43) Isopropyl Acetate	5.191	43	1908455	103.569	ug/l		99
44) Trichloroethene	5.828	130	881129	94.495	ug/l		100
45) 1,2-Dichloropropane	6.088	63	873398	96.798	ug/l		100
46) Dibromomethane	6.223	93	669010	88.707	ug/l		98
47) Bromodichloromethane	6.426	83	1331015	89.570	ug/l		99
48) Methyl methacrylate	6.294	41	914826	111.494	ug/l		100
49) 1,4-Dioxane	6.291	88	296818	2174.580	ug/l		91
51) 4-Methyl-2-Pentanone	7.149	43	6345475	516.411	ug/l		99
52) Toluene	7.307	92	2263884	101.117	ug/l		99
53) t-1,3-Dichloropropene	7.570	75	1368814	105.398	ug/l		100
54) cis-1,3-Dichloropropene	6.947	75	1462703	101.305	ug/l		99
55) 1,1,2-Trichloroethane	7.760	97	907428	89.760	ug/l		98
56) Ethyl methacrylate	7.715	69	1403788	124.375	ug/l		100
57) 1,3-Dichloropropane	7.934	76	1467059	96.166	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.812	63	3527395	500.230	ug/l		99
59) 2-Hexanone	8.062	43	4801164	532.226	ug/l		98
60) Dibromochloromethane	8.169	129	1076945	91.110	ug/l		99
61) 1,2-Dibromoethane	8.271	107	991319	94.173	ug/l		99
64) Tetrachloroethene	7.895	164	767463	94.986	ug/l		100
65) Chlorobenzene	8.802	112	2503276	95.468	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.898	131	892682	90.889	ug/l		99
67) Ethyl Benzene	8.937	91	4288544	111.032	ug/l		99
68) m/p-Xylenes	9.062	106	3410520	222.630	ug/l		100
69) o-Xylene	9.468	106	1591932	117.673	ug/l		98
70) Styrene	9.484	104	2846152	118.237	ug/l		99
71) Bromoform	9.654	173	764338	96.230	ug/l	#	100
73) Isopropylbenzene	9.857	105	4236831	112.193	ug/l		100
74) N-amyl acetate	9.722	43	1717728	109.578	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.165	83	1463782	84.405	ug/l		99
76) 1,2,3-Trichloropropane	10.197	75	1139829	91.832	ug/l		99
77) Bromobenzene	10.140	156	1039102	100.094	ug/l		97
78) n-propylbenzene	10.278	91	5031443	109.805	ug/l		99
79) 2-Chlorotoluene	10.349	91	3001261	106.088	ug/l		100
80) 1,3,5-Trimethylbenzene	10.464	105	3568373	112.666	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.927	75	535551	108.969	ug/l		98
82) 4-Chlorotoluene	10.461	91	3551601	109.222	ug/l		99
83) tert-Butylbenzene	10.789	119	3524869	112.082	ug/l		99
84) 1,2,4-Trimethylbenzene	10.837	105	3570942	114.530	ug/l		100
85) sec-Butylbenzene	11.011	105	4503223	113.251	ug/l		100
86) p-Isopropyltoluene	11.165	119	3801102	111.182	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	2025215	97.806	ug/l		100
88) 1,4-Dichlorobenzene	11.194	146	2063431	88.407	ug/l		99
89) n-Butylbenzene	11.577	91	3617227	113.614	ug/l		99
90) Hexachloroethane	11.818	117	753378	89.118	ug/l		100
91) 1,2-Dichlorobenzene	11.564	146	1927089	97.835	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.348	75	329241	92.330	ug/l		98
93) 1,2,4-Trichlorobenzene	13.184	180	1244317	113.268	ug/l		98
94) Hexachlorobutadiene	13.368	225	508802	91.466	ug/l		100
95) Naphthalene	13.422	128	4559594	126.683	ug/l		100
96) 1,2,3-Trichlorobenzene	13.663	180	1278887	112.009	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039287.D
Acq On : 07 Oct 2025 11:32
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Quant Time: Oct 08 04:43:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

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

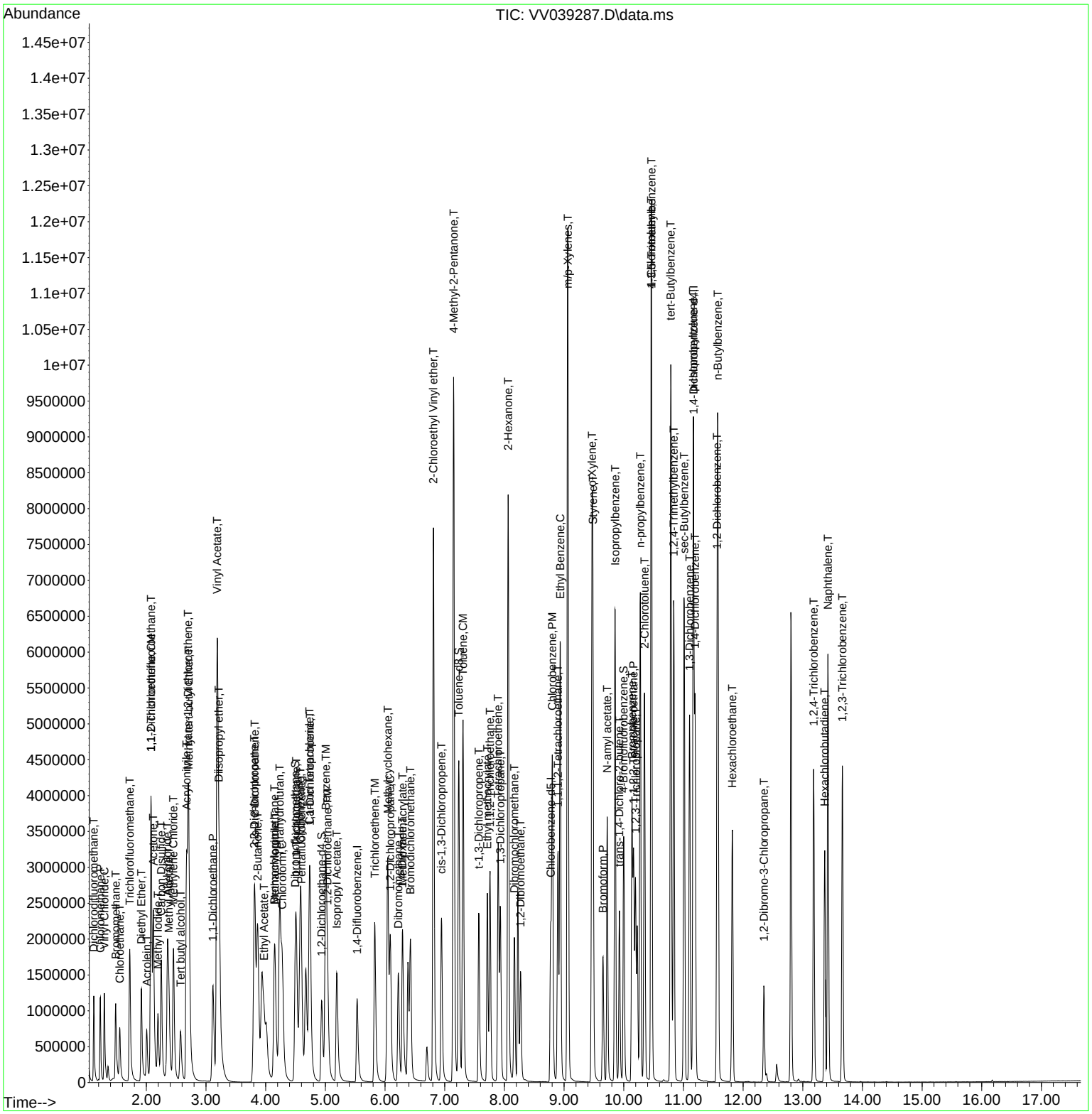
(#) = qualifier out of range (m) = manual integration (+) = signals summed

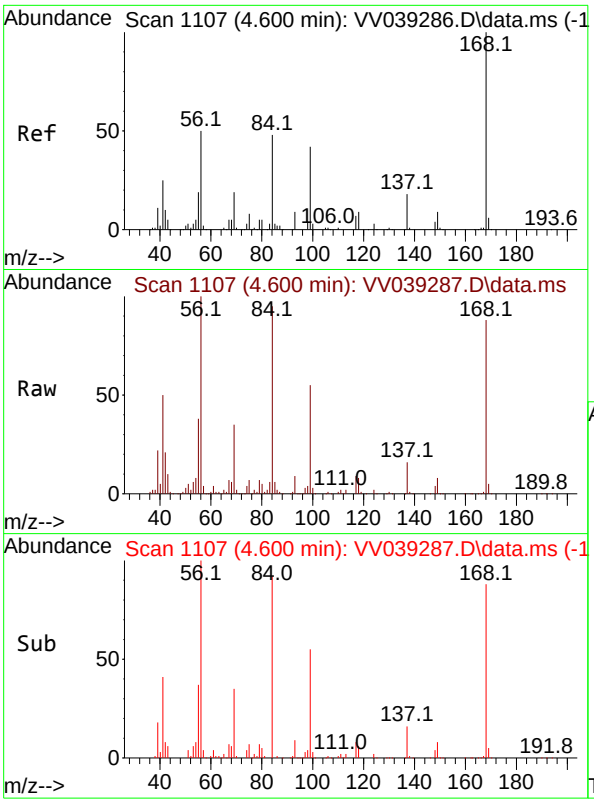
ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039287.D
Acq On : 07 Oct 2025 11:32
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Quant Time: Oct 08 04:43:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration



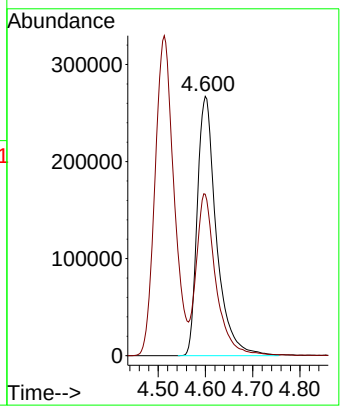


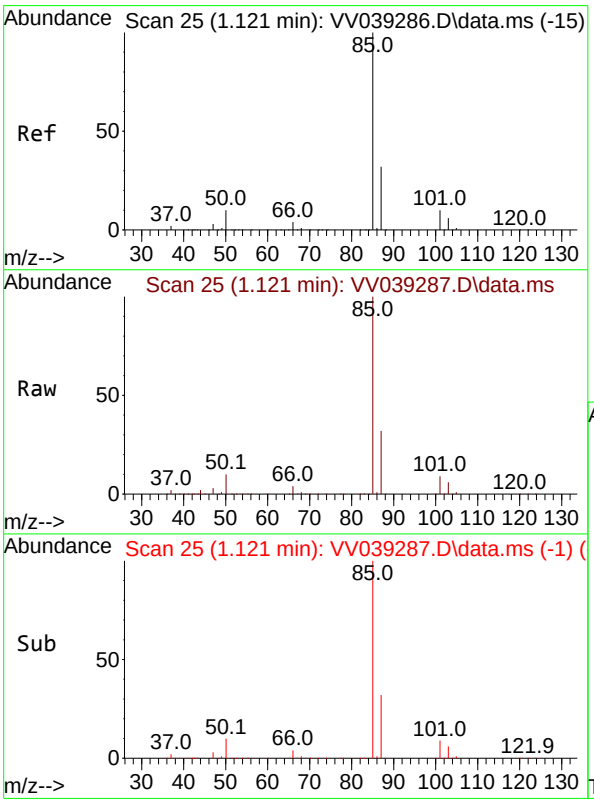
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 749661

Ion	Ratio	Lower	Upper
168	100		
99	61.9	46.6	70.0

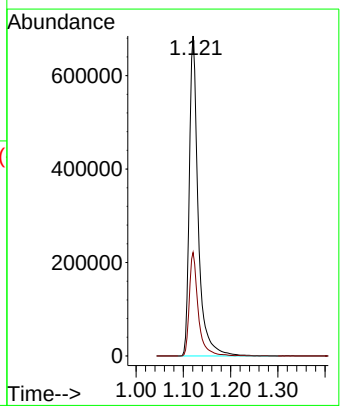


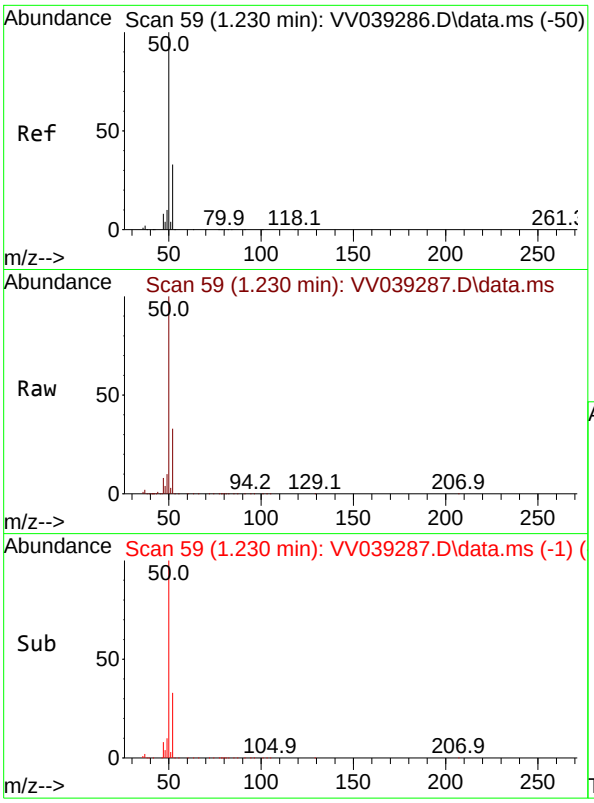


#2
Dichlorodifluoromethane
Concen: 94.301 ug/l
RT: 1.121 min Scan# 25
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 85 Resp: 893519

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.2



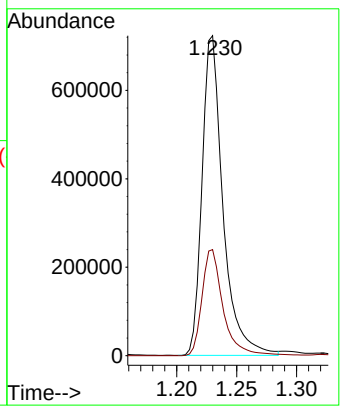


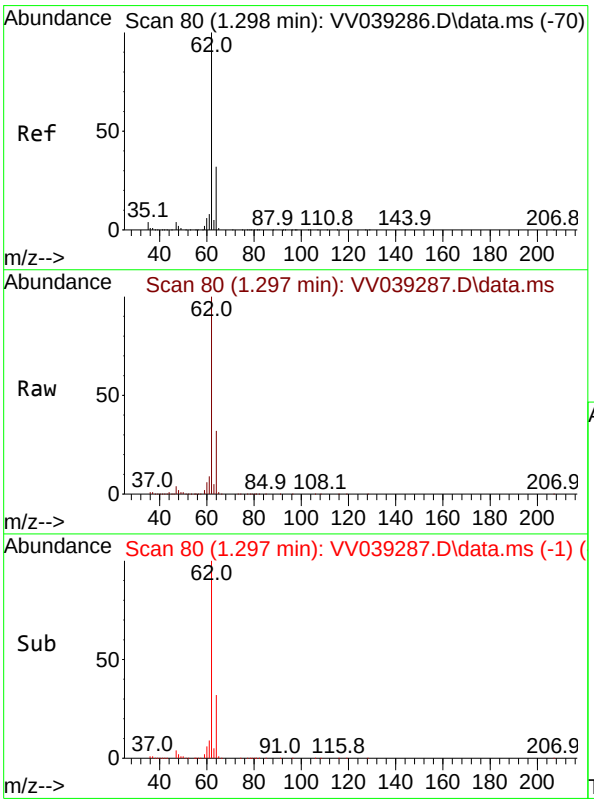
#3
Chloromethane
Concen: 89.137 ug/l
RT: 1.230 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 879319

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.6	39.8

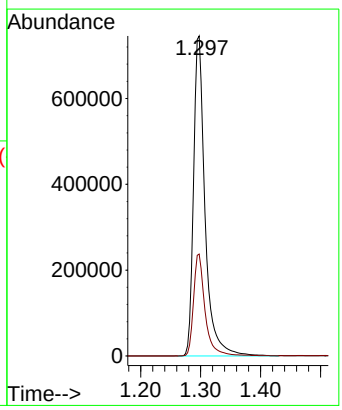


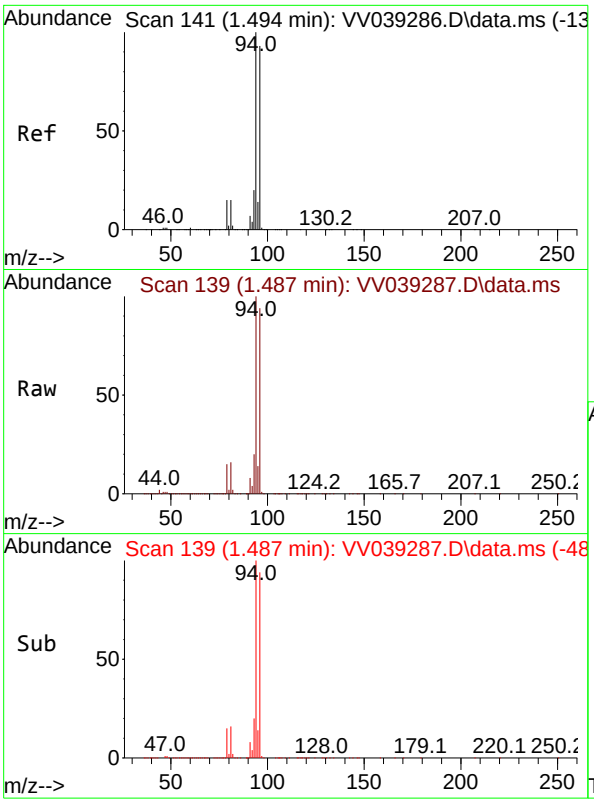


#4
Vinyl Chloride
Concen: 88.720 ug/l
RT: 1.297 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 62 Resp: 998482

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.8	38.6



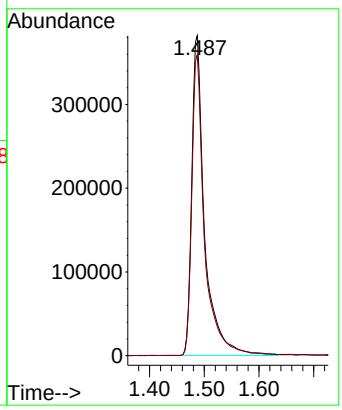


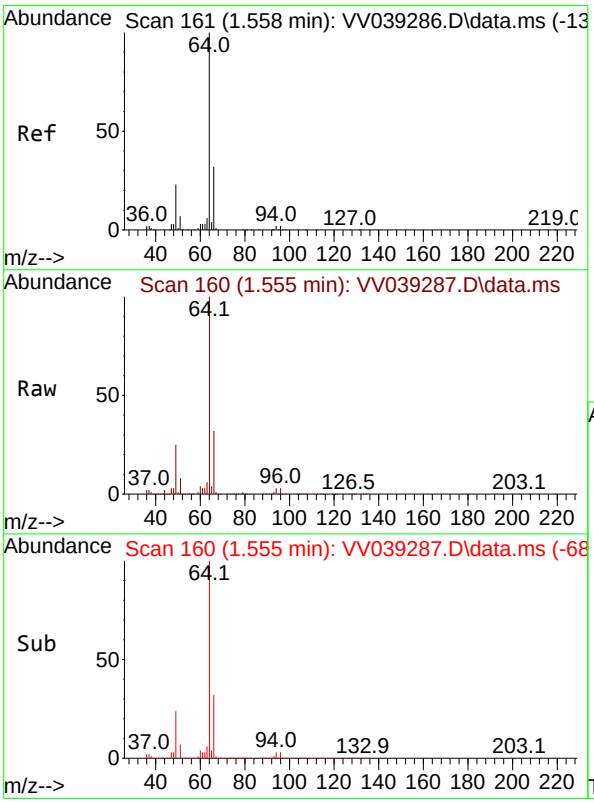
#5
Bromomethane
Concen: 85.322 ug/l
RT: 1.487 min Scan# 1
Delta R.T. -0.007 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 623024

Ion	Ratio	Lower	Upper
94	100		
96	94.1	74.2	111.2

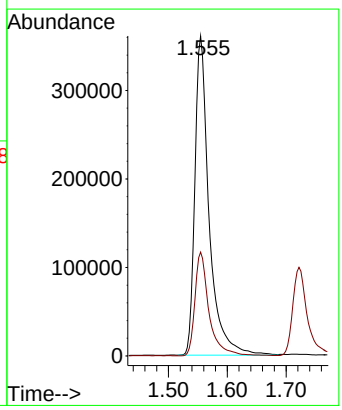


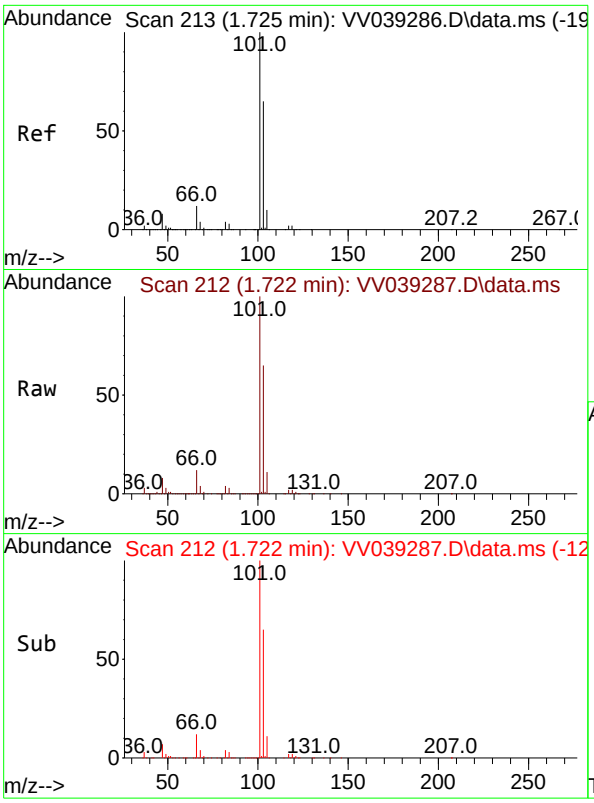


#6
Chloroethane
Concen: 99.386 ug/l
RT: 1.555 min Scan# 160
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 64 Resp: 603702

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.7	38.5



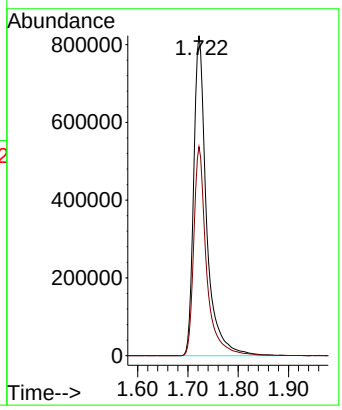


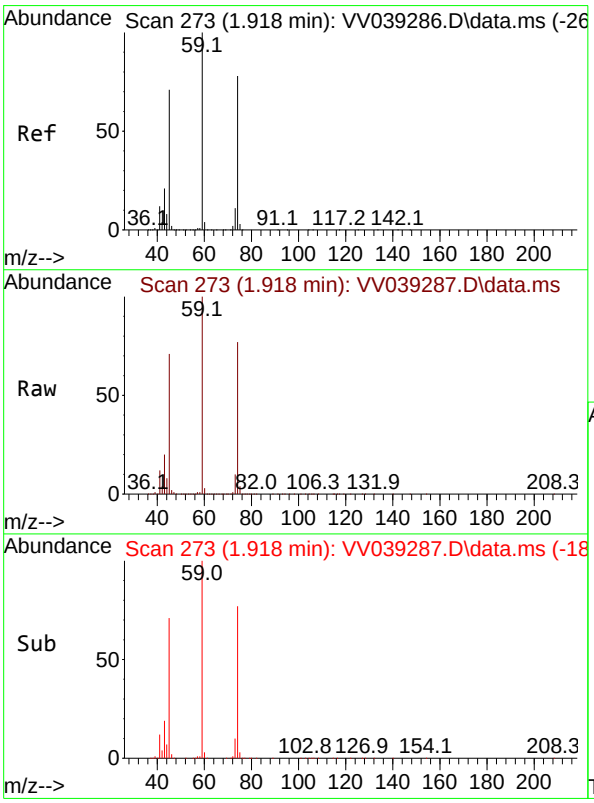
#7
Trichlorofluoromethane
Concen: 85.141 ug/l
RT: 1.722 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 1463821

Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.0	78.0

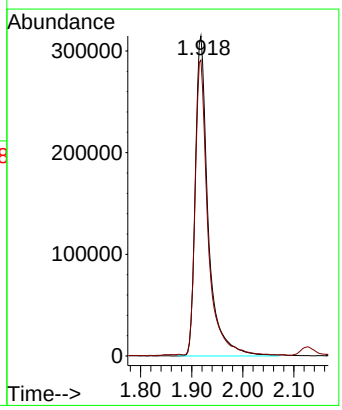


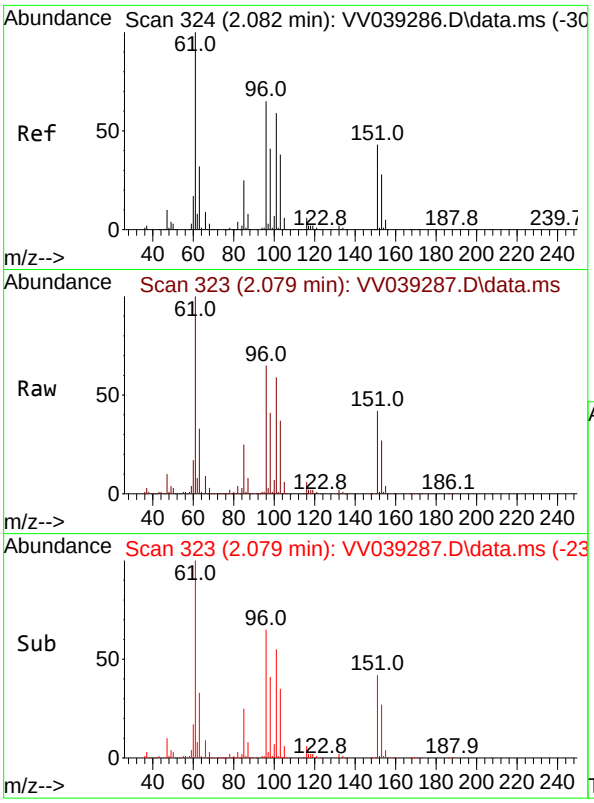


#8
Diethyl Ether
Concen: 88.590 ug/l
RT: 1.918 min Scan# 273
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 74 Resp: 550404

Ion	Ratio	Lower	Upper
74	100		
45	91.4	45.9	137.7



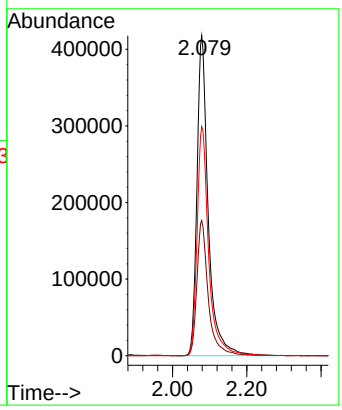


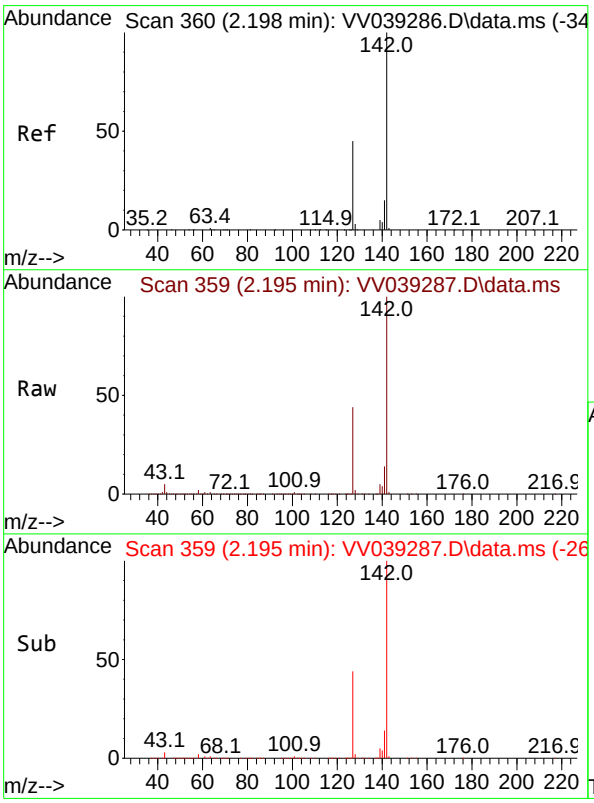
#9
1,1,2-Trichlorotrifluoroethane
Concen: 85.597 ug/l
RT: 2.079 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 881200

Ion	Ratio	Lower	Upper
101	100		
85	42.7	34.0	51.0
151	73.4	58.5	87.7

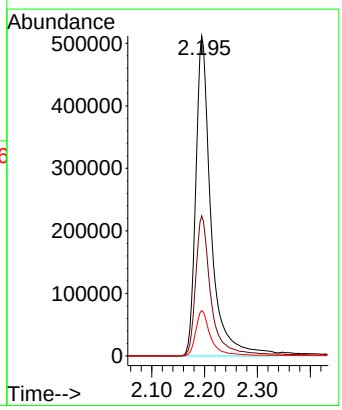


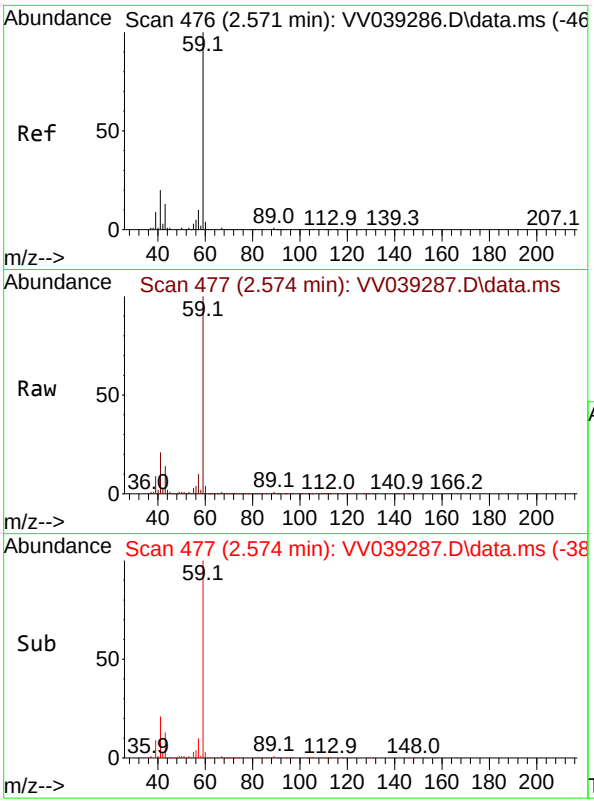


#10
Methyl Iodide
Concen: 115.961 ug/l
RT: 2.195 min Scan# 359
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:142 Resp: 1028544

Ion	Ratio	Lower	Upper
142	100		
127	44.1	35.5	53.3
141	13.9	11.5	17.3



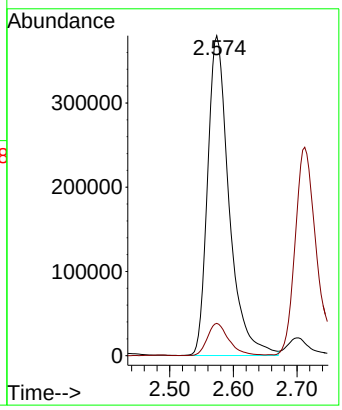


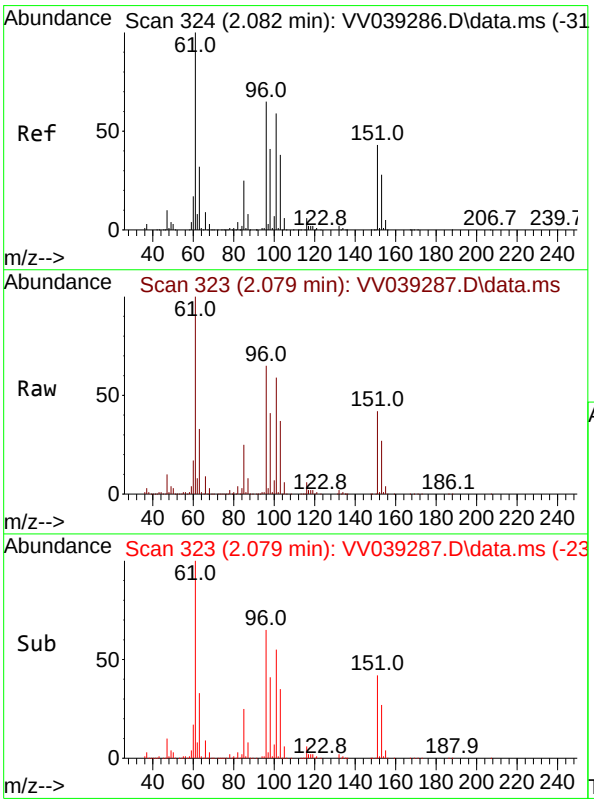
#11
Tert butyl alcohol
Concen: 430.970 ug/l
RT: 2.574 min Scan# 4
Delta R.T. 0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 889682

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

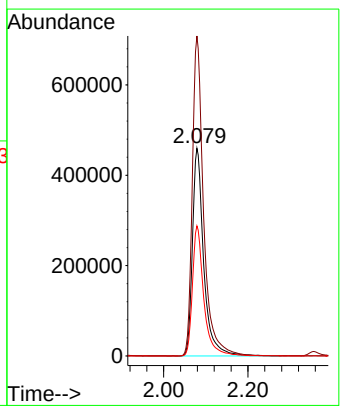


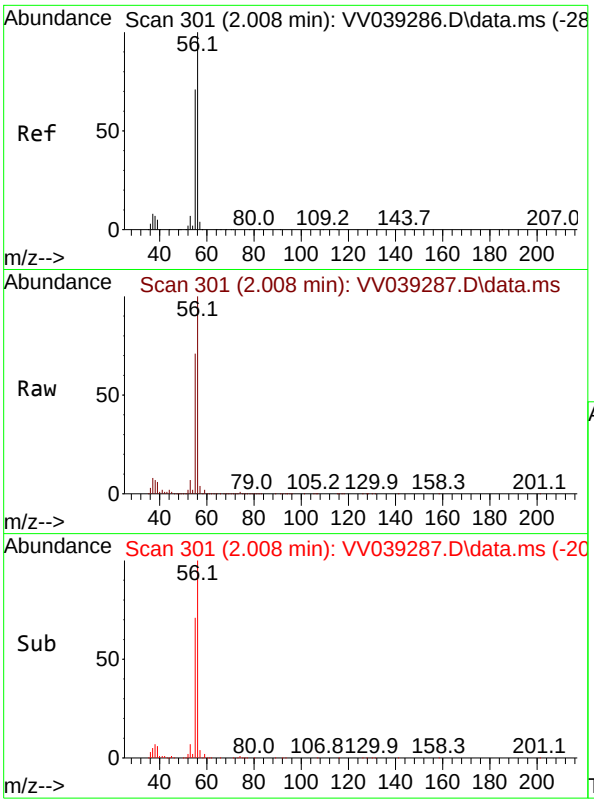


#12
1,1-Dichloroethene
Concen: 84.498 ug/l
RT: 2.079 min Scan# 323
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 96 Resp: 854123

Ion	Ratio	Lower	Upper
96	100		
61	154.0	123.6	185.4
98	62.6	51.1	76.7



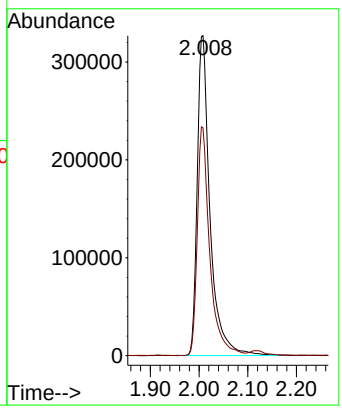


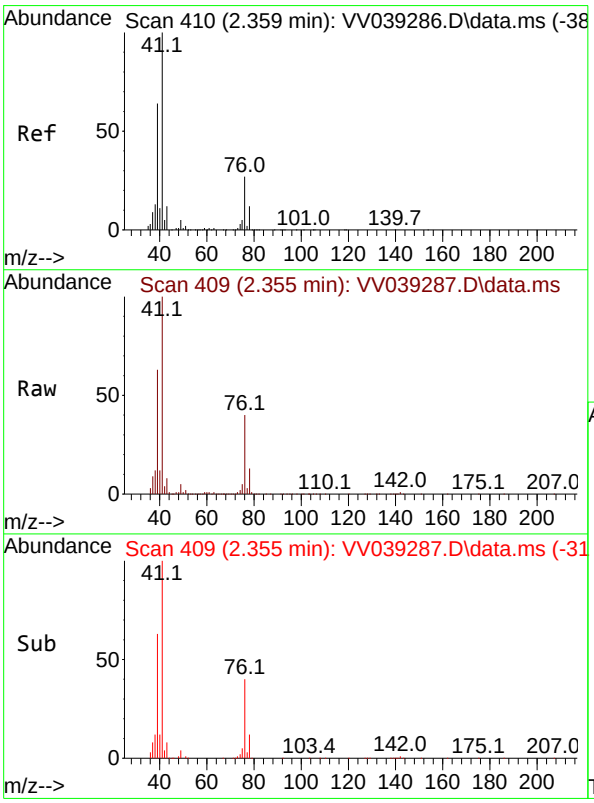
#13
Acrolein
Concen: 506.663 ug/l
RT: 2.008 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 596300

Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.2	84.4

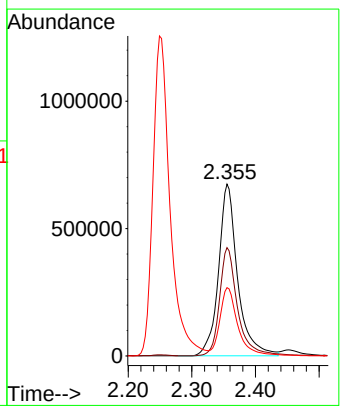


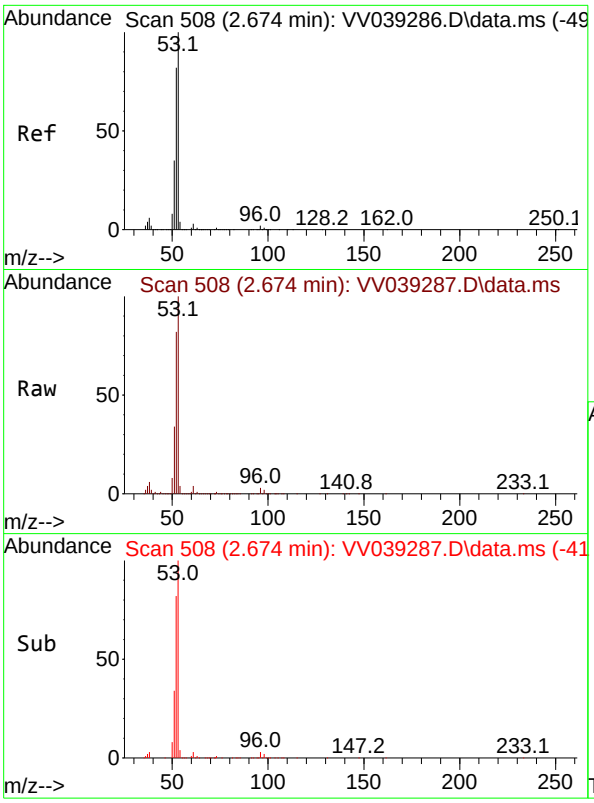


#14
Allyl chloride
Concen: 87.845 ug/l
RT: 2.355 min Scan# 409
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 41 Resp: 1407616

Ion	Ratio	Lower	Upper
41	100		
39	59.8	47.8	71.6
76	37.6	30.2	45.2



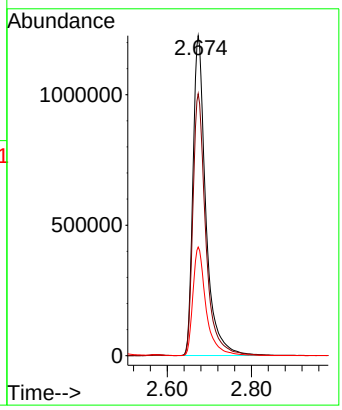


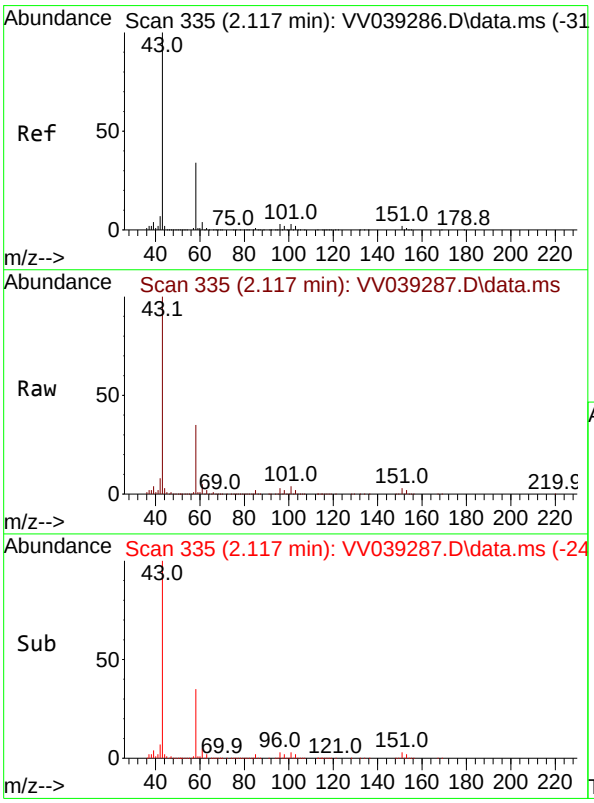
#15
Acrylonitrile
Concen: 423.939 ug/l
RT: 2.674 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 2595364

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.0	97.6
51	34.7	27.9	41.9

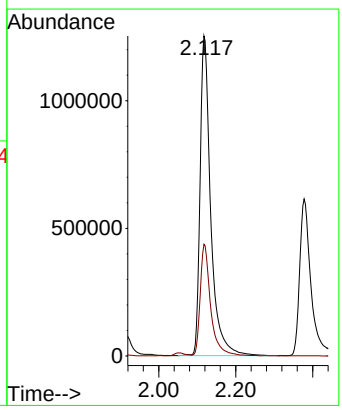


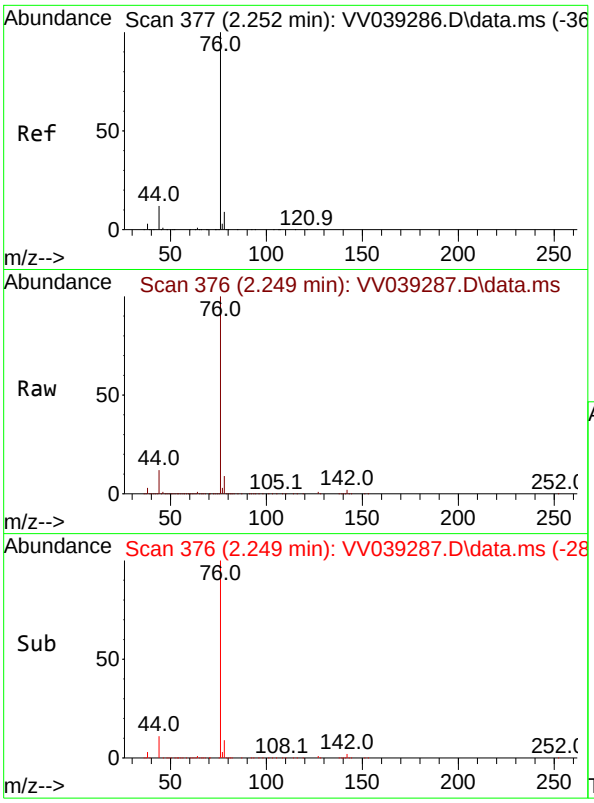


#16
Acetone
Concen: 495.727 ug/l
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 43 Resp: 2403719

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.5	41.3



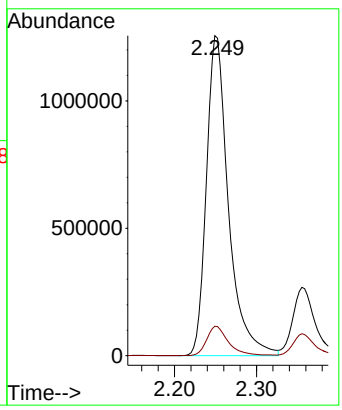


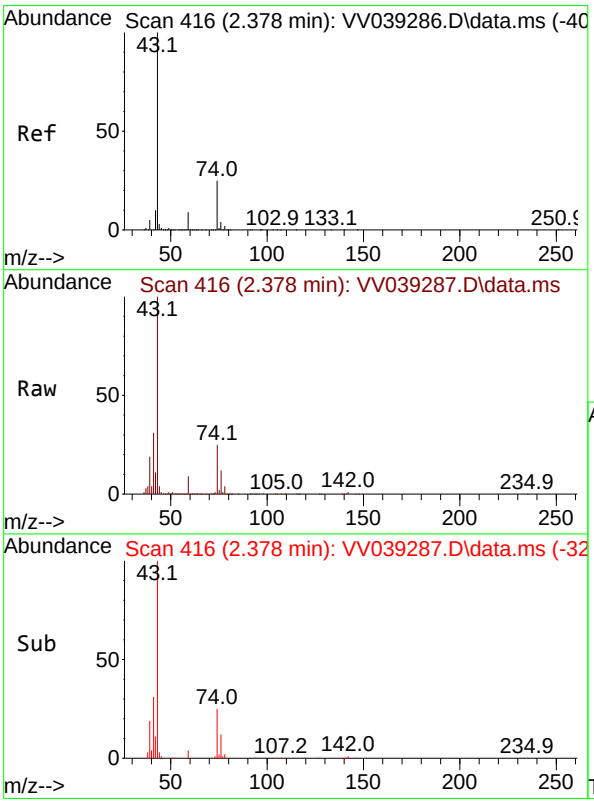
#17
Carbon Disulfide
Concen: 82.192 ug/l
RT: 2.249 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 2346685

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

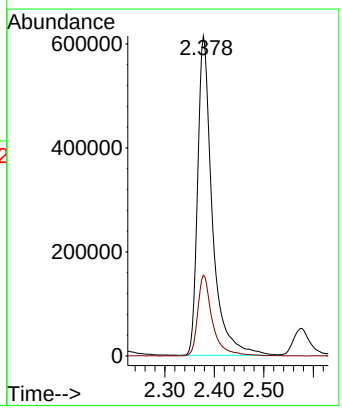


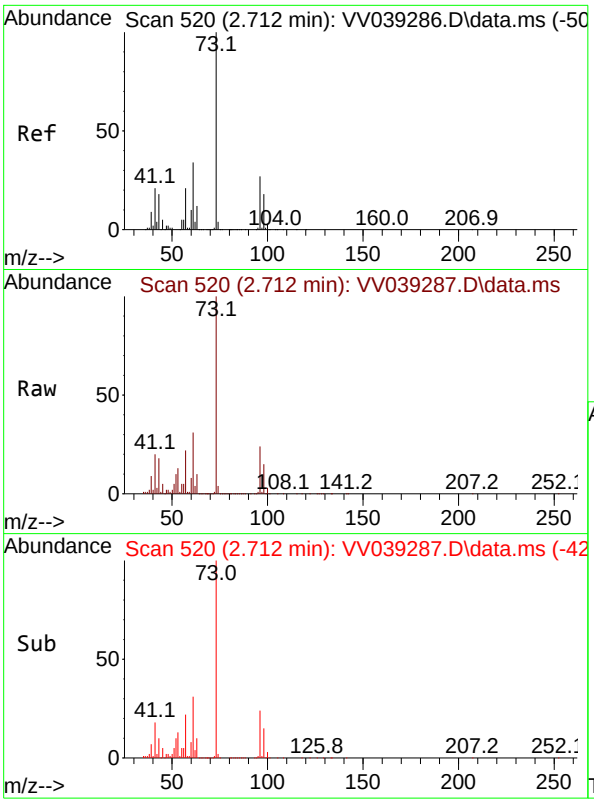


#18
Methyl Acetate
Concen: 91.610 ug/l
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 43 Resp: 1264520

Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.5	29.3



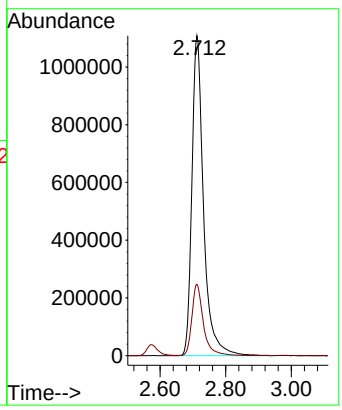


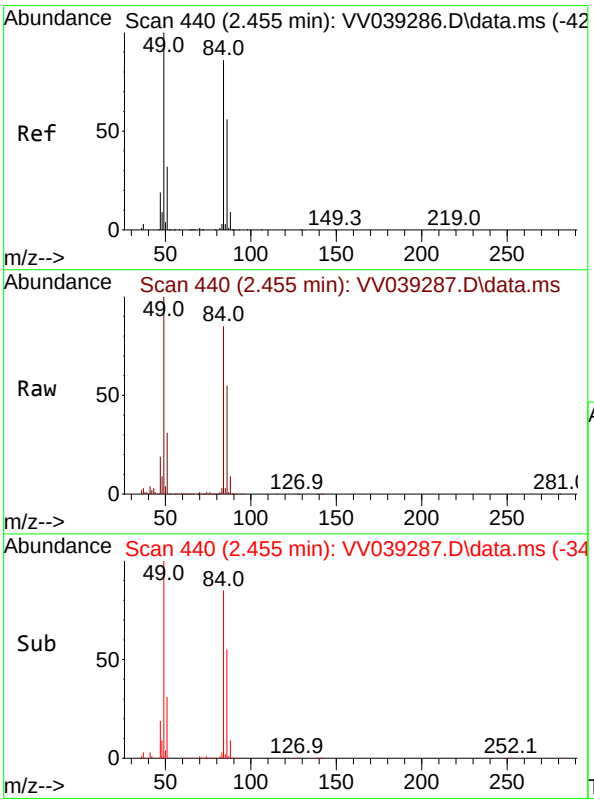
#19
Methyl tert-butyl Ether
Concen: 89.783 ug/l
RT: 2.712 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 2731645

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.0	25.6

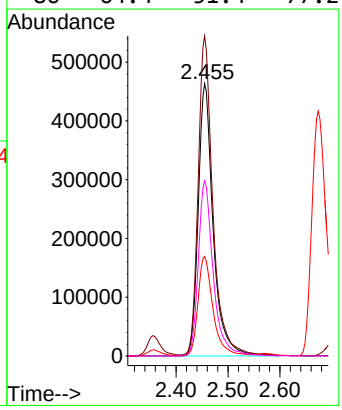


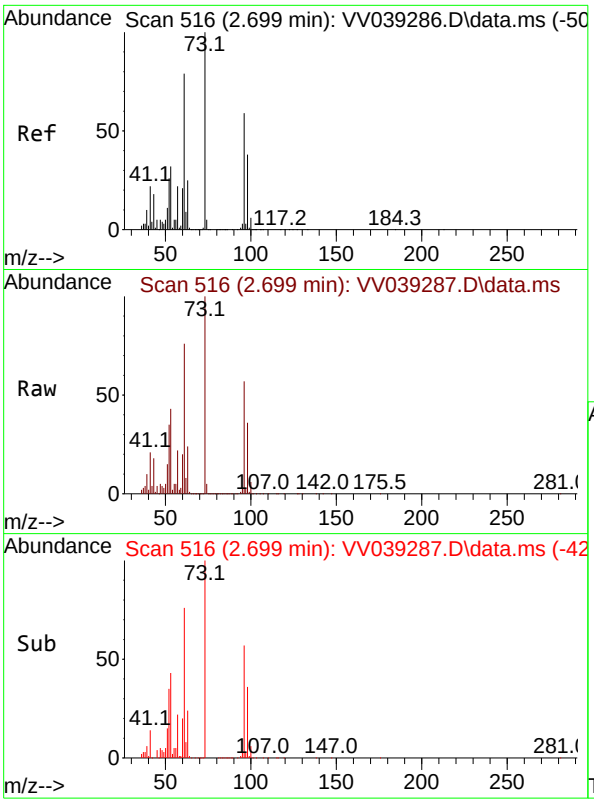


#20
Methylene Chloride
Concen: 99.824 ug/l
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 84 Resp: 922846

Ion	Ratio	Lower	Upper
84	100		
49	117.2	92.6	139.0
51	36.4	29.6	44.4
86	64.4	51.4	77.2



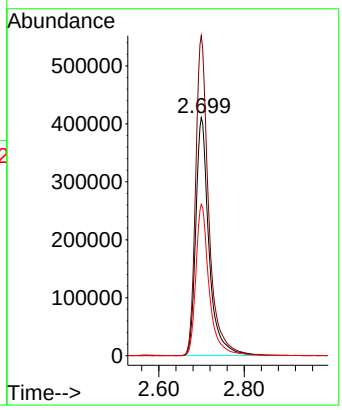


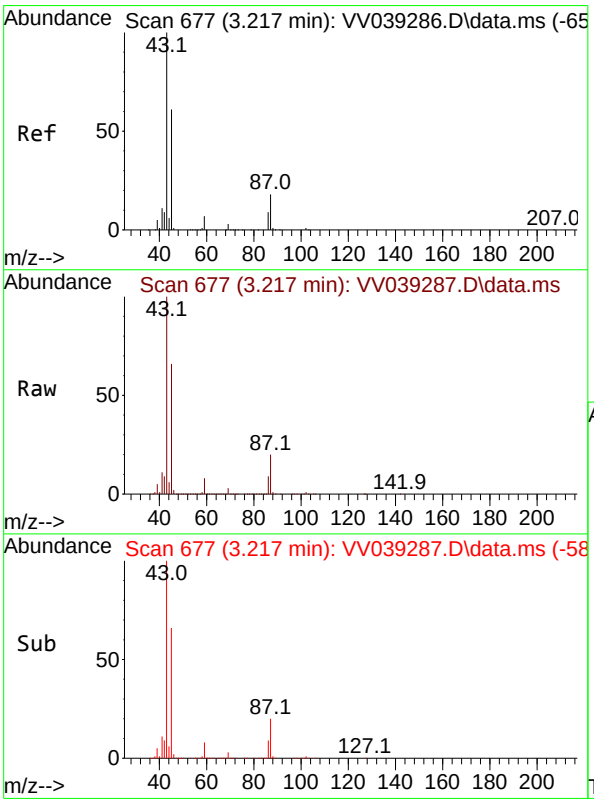
#21
trans-1,2-Dichloroethene
Concen: 82.721 ug/l
RT: 2.699 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 880398

Ion	Ratio	Lower	Upper
96	100		
61	134.5	106.8	160.2
98	63.6	51.1	76.7

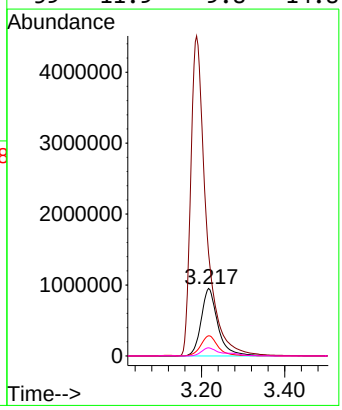


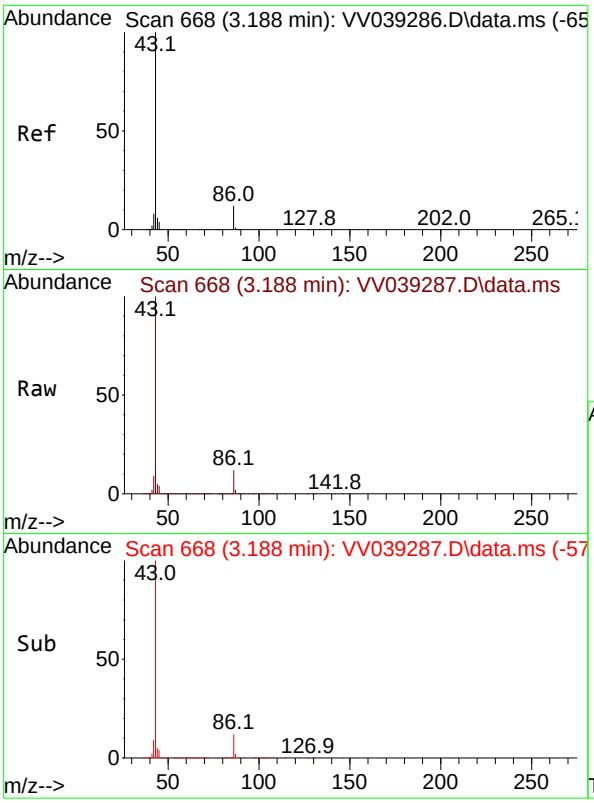


#22
Diisopropyl ether
Concen: 92.580 ug/l
RT: 3.217 min Scan# 677
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 45 Resp: 2663473

Ion	Ratio	Lower	Upper
45	100		
43	151.6	130.8	196.2
87	29.8	23.8	35.8
59	11.9	9.8	14.8



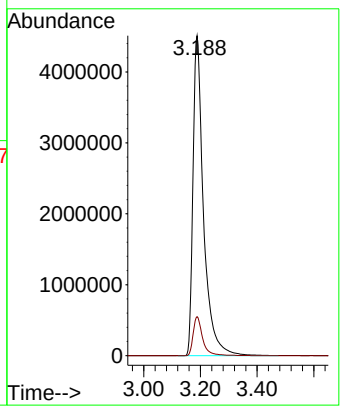


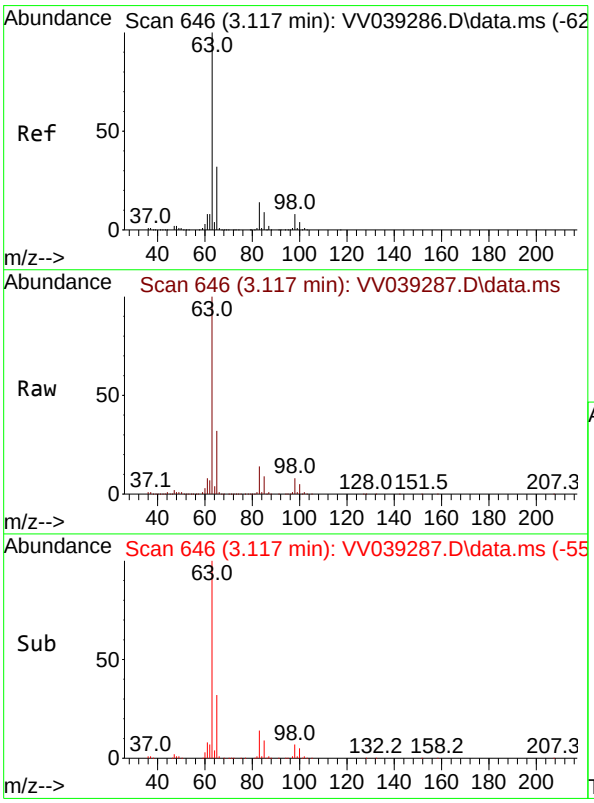
#23
Vinyl Acetate
Concen: 461.373 ug/l
RT: 3.188 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp:11652736

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.4	14.2

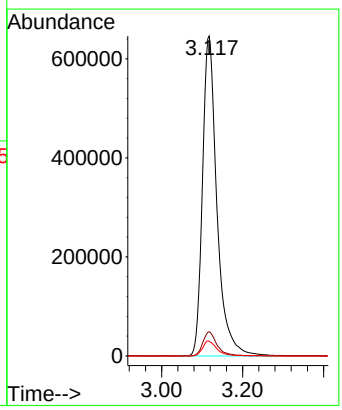


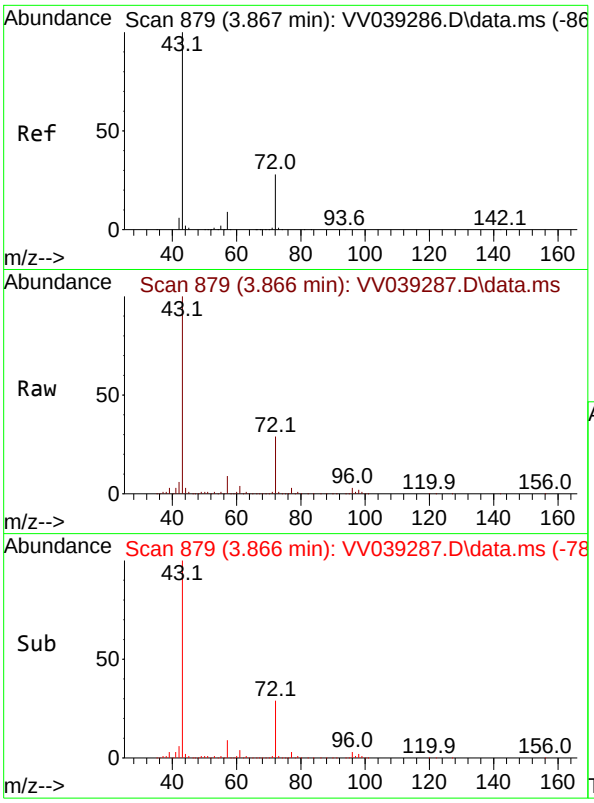


#24
1,1-Dichloroethane
Concen: 82.946 ug/l
RT: 3.117 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 63 Resp: 1598702

Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.0	12.0
100	4.6	2.3	6.8



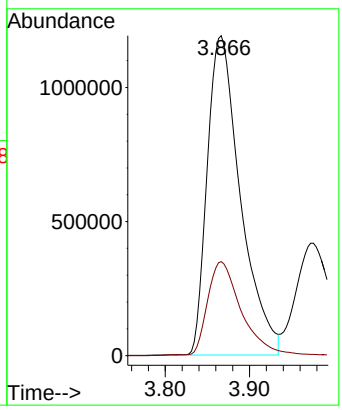


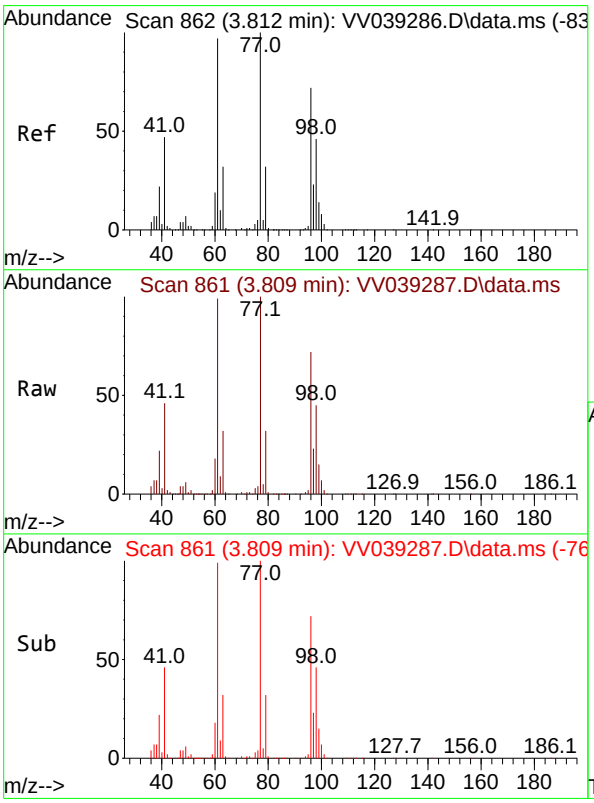
#25
2-Butanone
Concen: 502.401 ug/l
RT: 3.866 min Scan# 8
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3263476

Ion	Ratio	Lower	Upper
43	100		
72	29.1	22.6	34.0

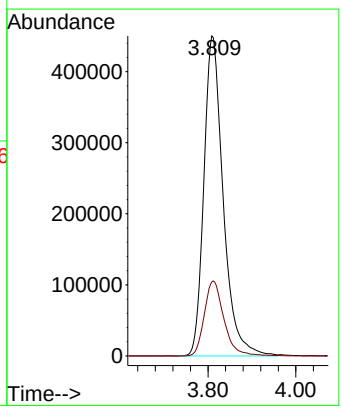


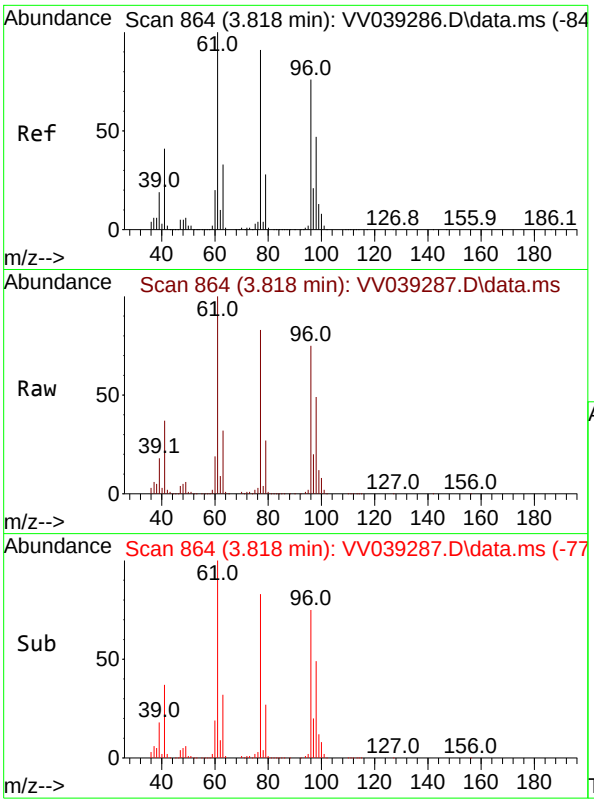


#26
2,2-Dichloropropane
Concen: 88.606 ug/l
RT: 3.809 min Scan# 861
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 77 Resp: 1375516

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.8



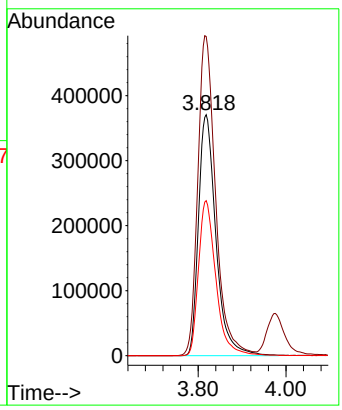


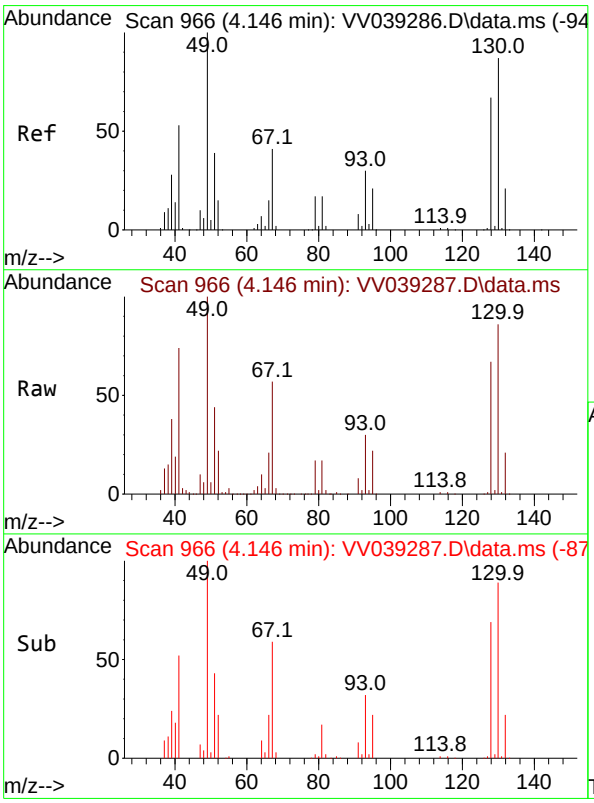
#27
cis-1,2-Dichloroethene
Concen: 96.076 ug/l
RT: 3.818 min Scan# 8
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 1023815

Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	275.0
98	64.0	0.0	127.8

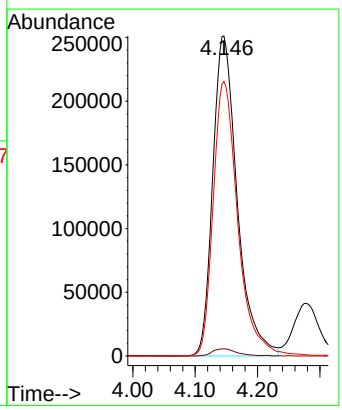


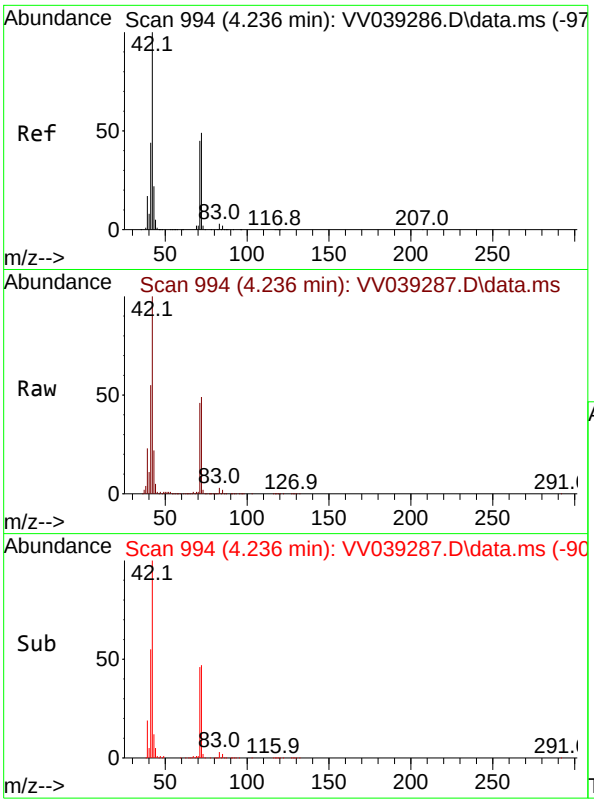


#28
Bromochloromethane
Concen: 81.134 ug/l
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 49 Resp: 683408

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	86.5	69.5	104.3



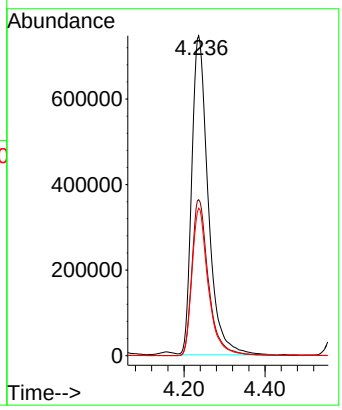


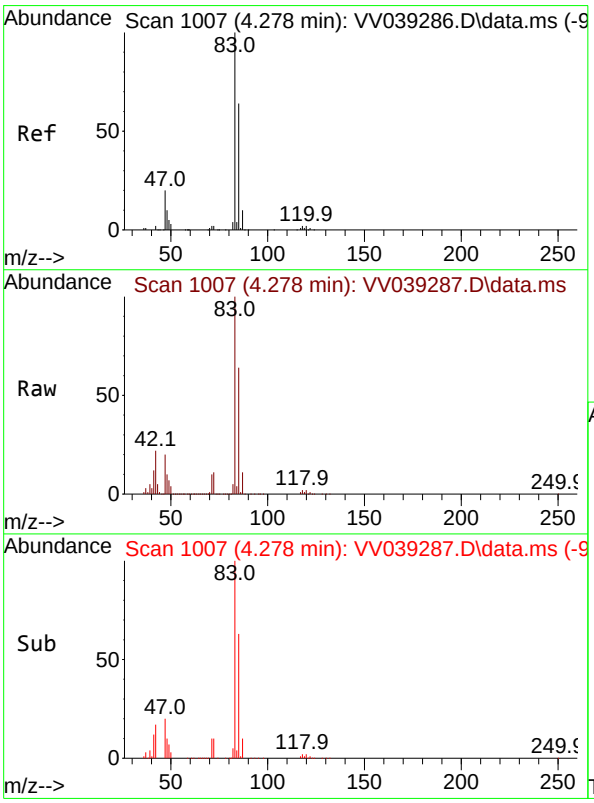
#29
Tetrahydrofuran
Concen: 504.695 ug/l
RT: 4.236 min Scan# 9
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 2101591

Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.8	59.8
71	45.8	36.5	54.7

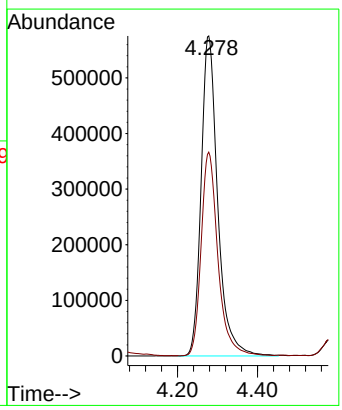


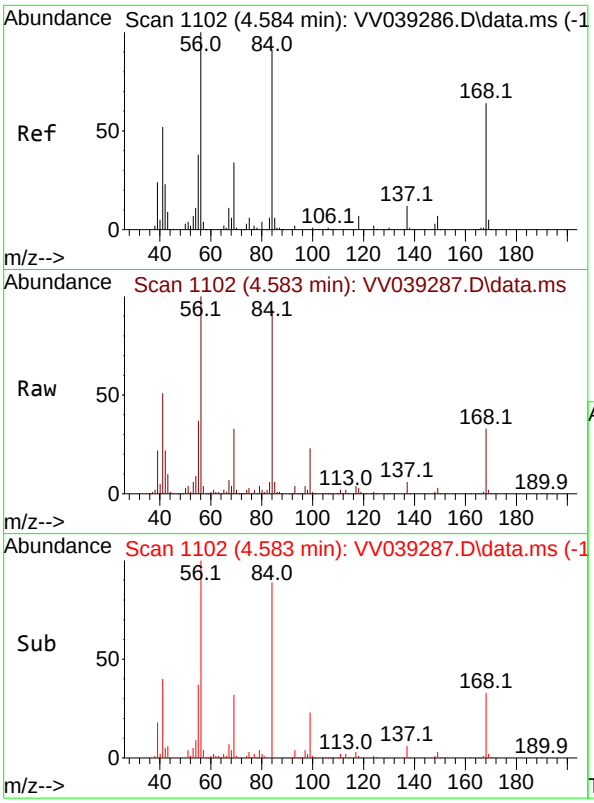


#30
Chloroform
Concen: 84.599 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 83 Resp: 1662798

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.1	76.7



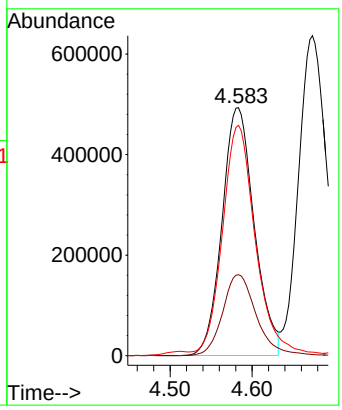


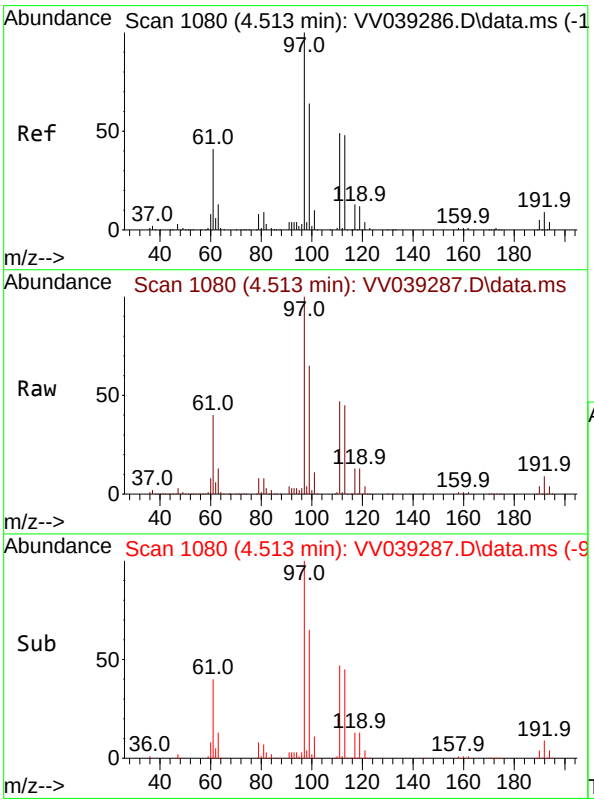
#31
Cyclohexane
Concen: 95.992 ug/l
RT: 4.583 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 1347579

Ion	Ratio	Lower	Upper
56	100		
69	32.7	27.4	41.0
84	91.2	72.8	109.2

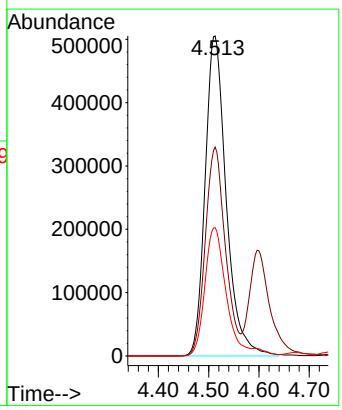


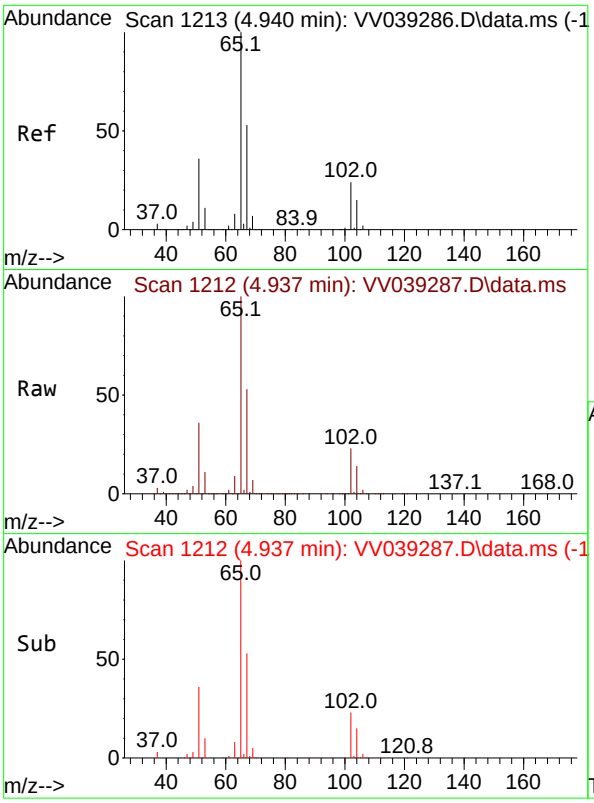


#32
1,1,1-Trichloroethane
Concen: 85.587 ug/l
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 97 Resp: 1470824

Ion	Ratio	Lower	Upper
97	100		
99	62.1	48.6	72.8
61	40.0	31.8	47.8



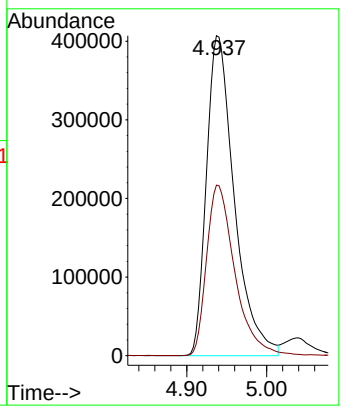


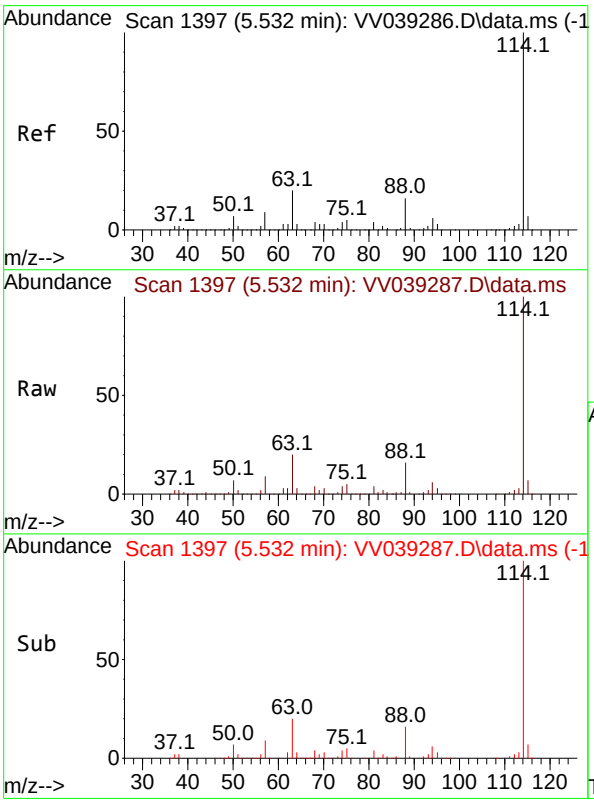
#33
1,2-Dichloroethane-d4
Concen: 92.521 ug/l
RT: 4.937 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 985564

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.4

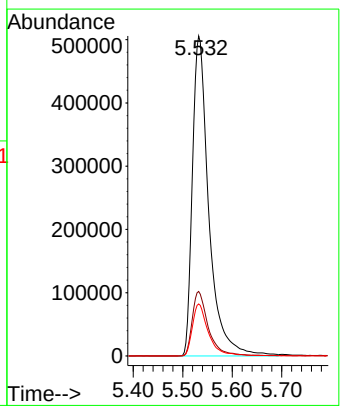


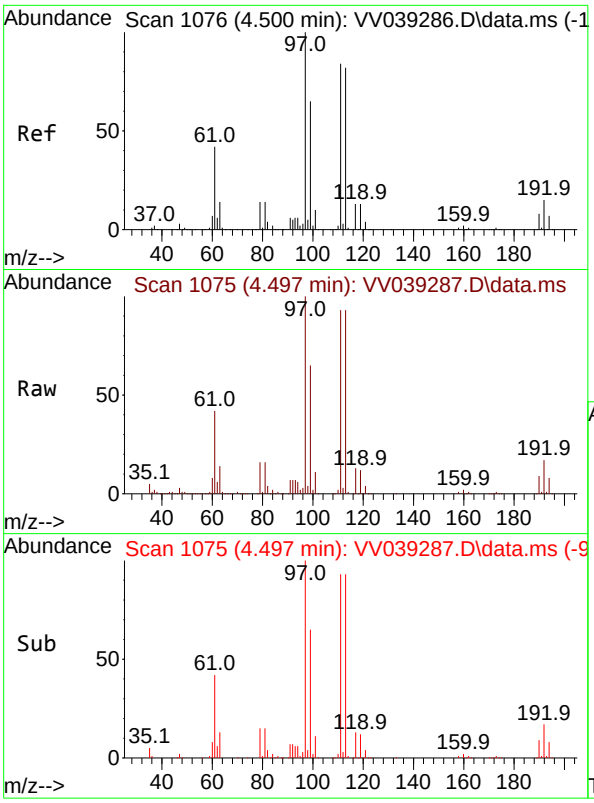


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:114 Resp: 1167657

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.6
88	16.3	0.0	31.6



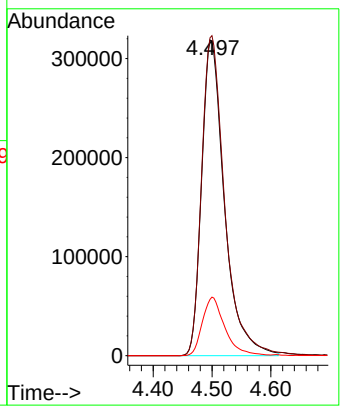


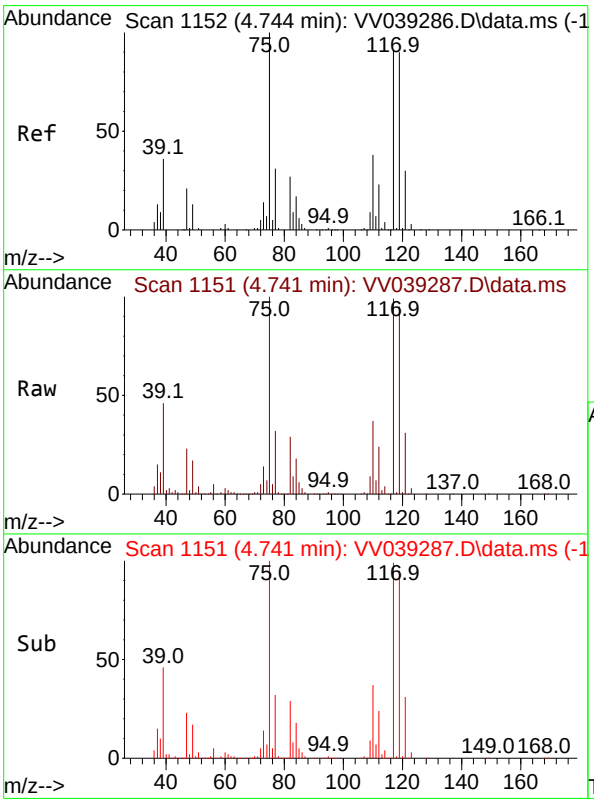
#35
Dibromofluoromethane
Concen: 93.282 ug/l
RT: 4.497 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 858226

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	18.3	14.3	21.5

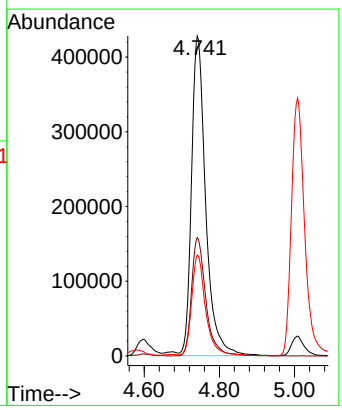


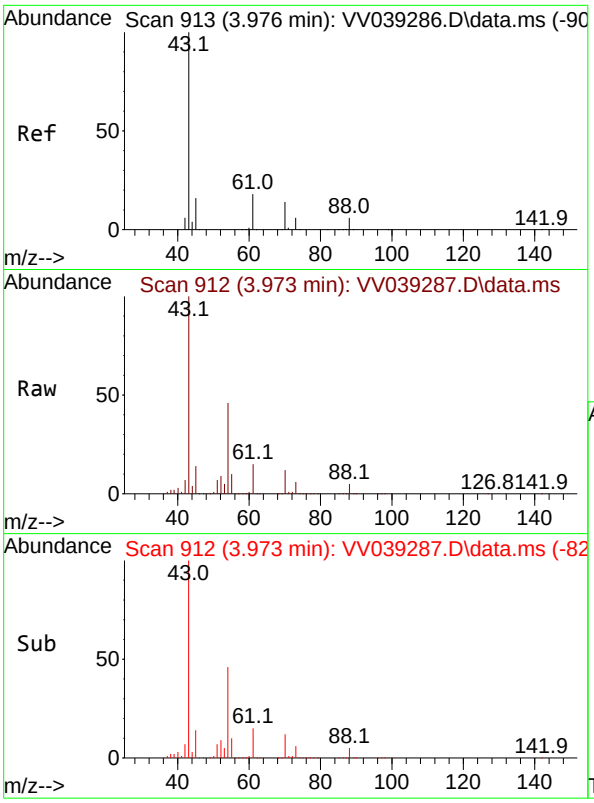


#36
1,1-Dichloropropene
Concen: 97.224 ug/l
RT: 4.741 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 75 Resp: 1123479

Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.9	56.7
77	30.5	24.1	36.1



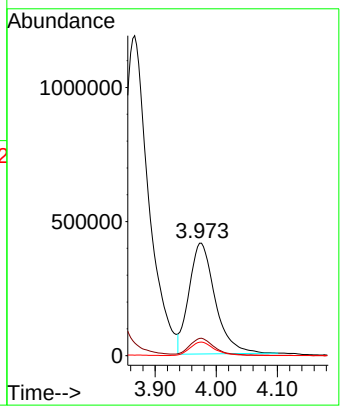


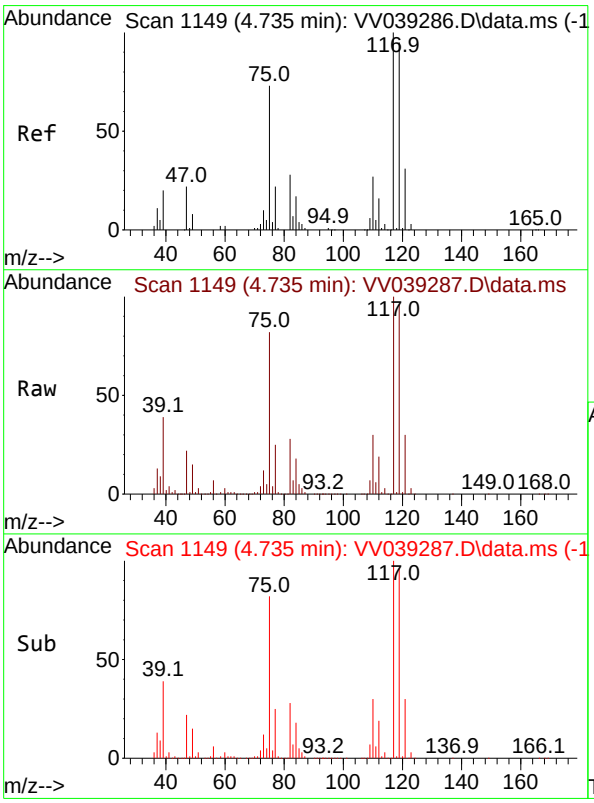
#37
Ethyl Acetate
Concen: 91.123 ug/l
RT: 3.973 min Scan# 91
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1228696

Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.2
70	11.3	9.0	13.4

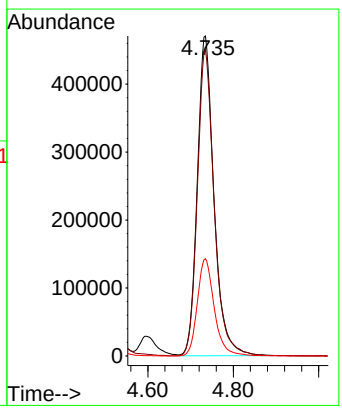


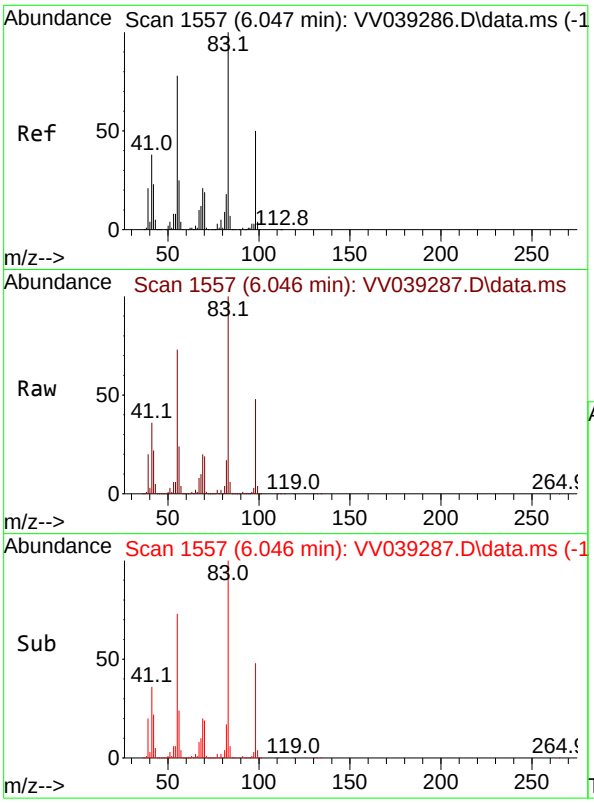


#38
Carbon Tetrachloride
Concen: 87.445 ug/l
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:117 Resp: 1280814

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.9	113.9
121	30.4	24.6	37.0



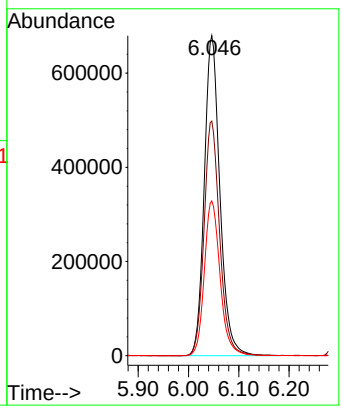


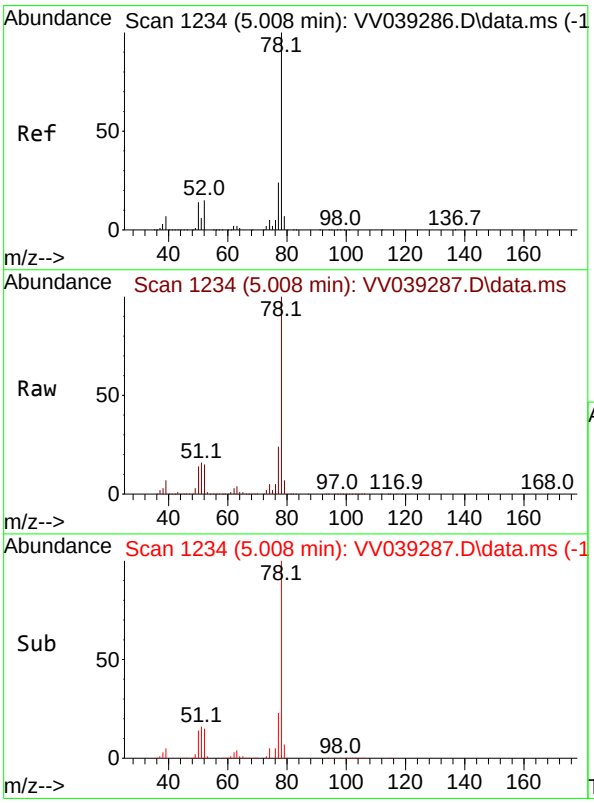
#39
Methylcyclohexane
Concen: 110.972 ug/l
RT: 6.046 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 1465584

Ion	Ratio	Lower	Upper
83	100		
55	73.3	62.1	93.1
98	48.3	40.2	60.4

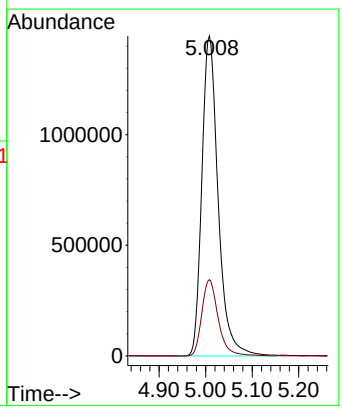


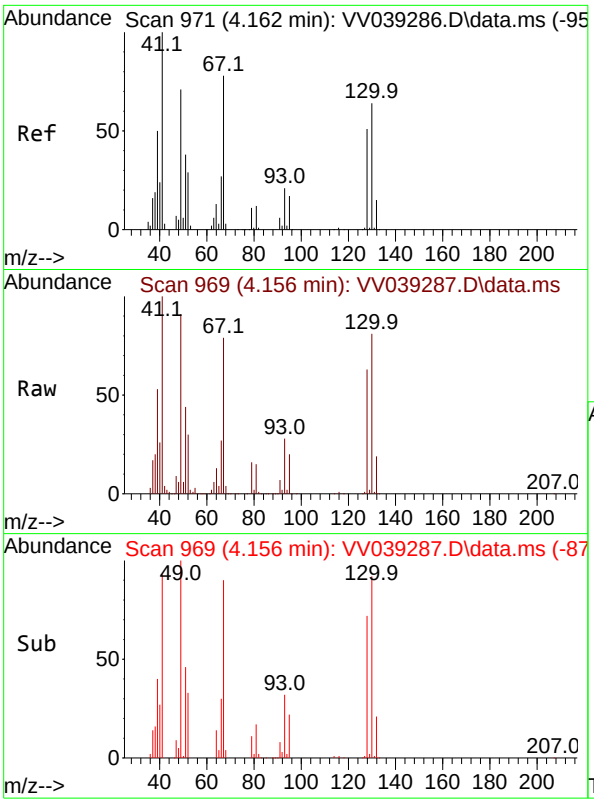


#40
Benzene
Concen: 94.814 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 78 Resp: 3515685

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3



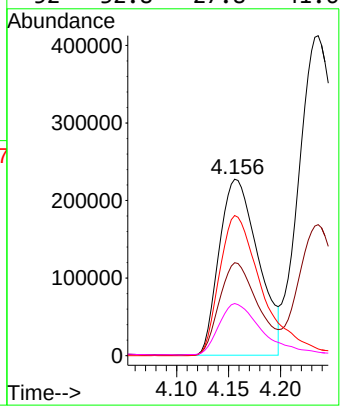


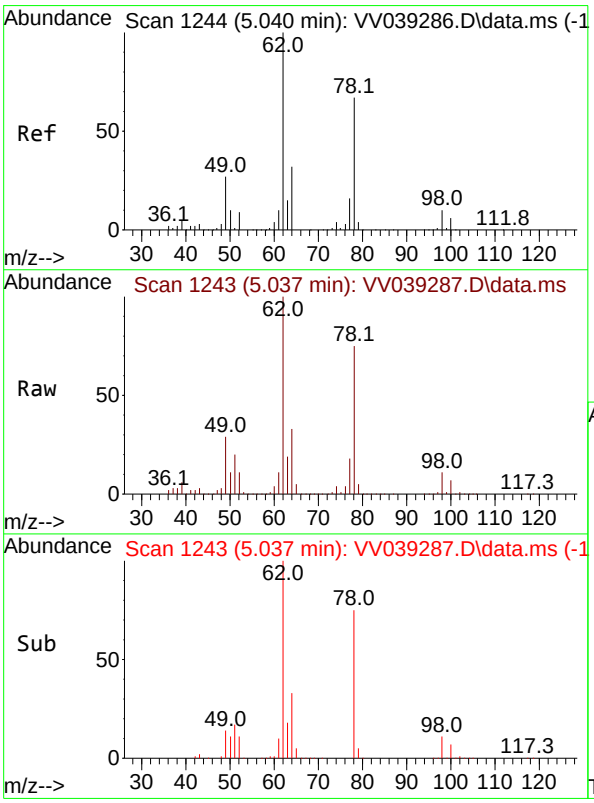
#41
Methacrylonitrile
Concen: 100.873 ug/l
RT: 4.156 min Scan# 9
Delta R.T. -0.007 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 593957

Ion	Ratio	Lower	Upper
41	100		
39	51.7	40.9	61.3
67	88.7	73.1	109.7
52	32.8	27.8	41.6

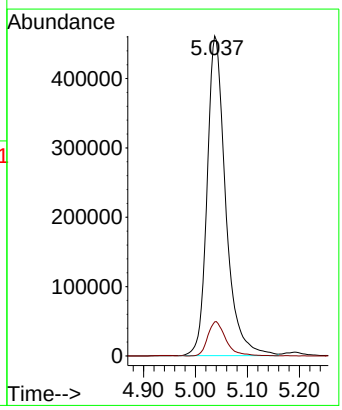


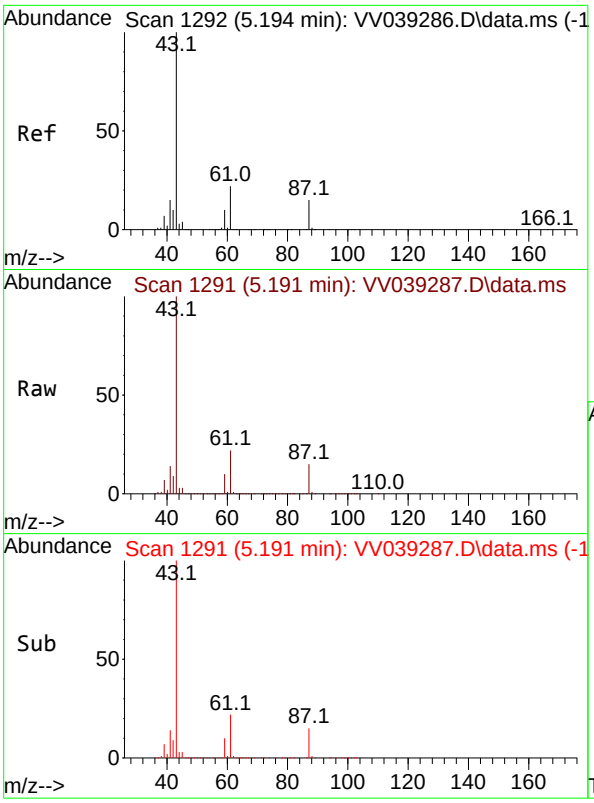


#42
1,2-Dichloroethane
Concen: 87.944 ug/l
RT: 5.037 min Scan# 1243
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 62 Resp: 1144477

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0



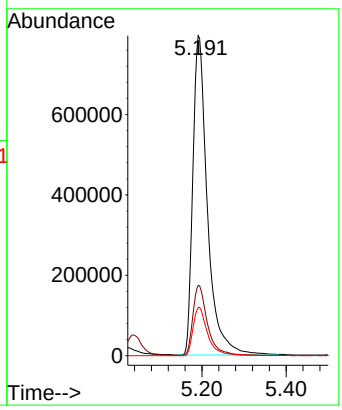


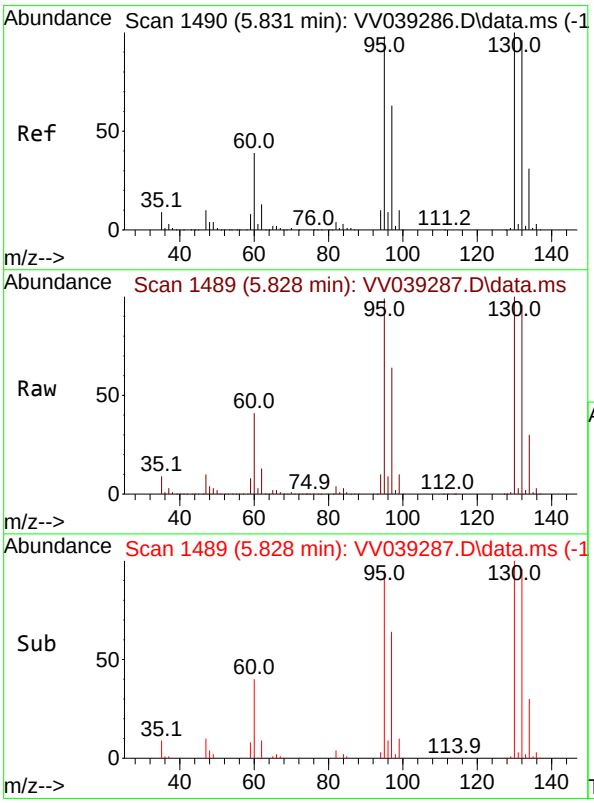
#43
Isopropyl Acetate
Concen: 103.569 ug/l
RT: 5.191 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1908455

Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.1	25.7
87	15.1	11.5	17.3

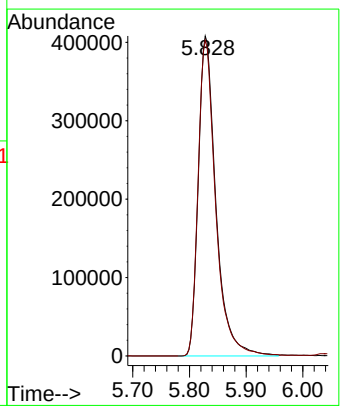


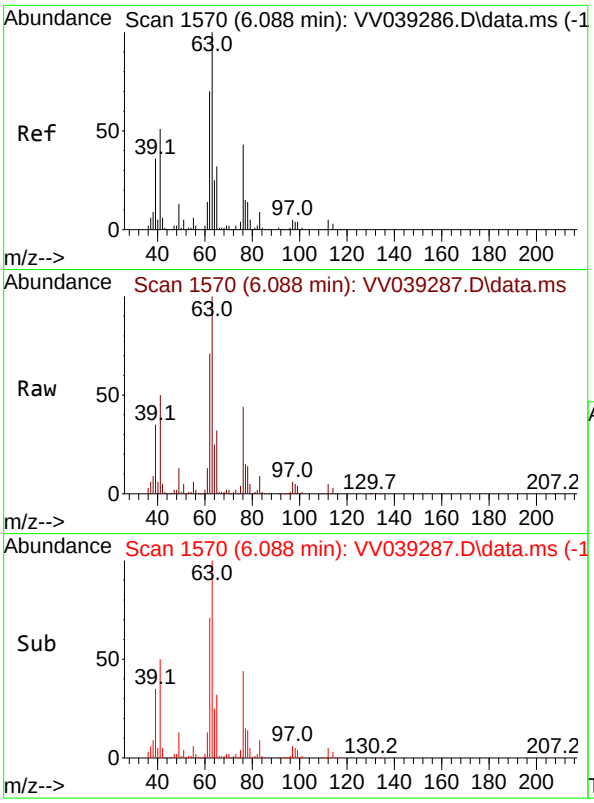


#44
Trichloroethene
Concen: 94.495 ug/l
RT: 5.828 min Scan# 1489
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:130 Resp: 881129

Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	196.6



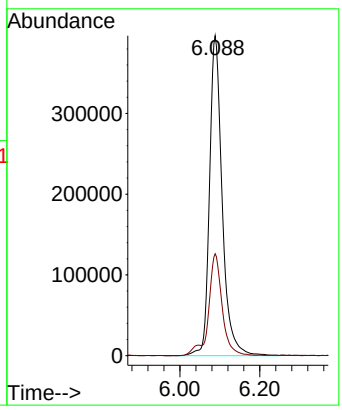


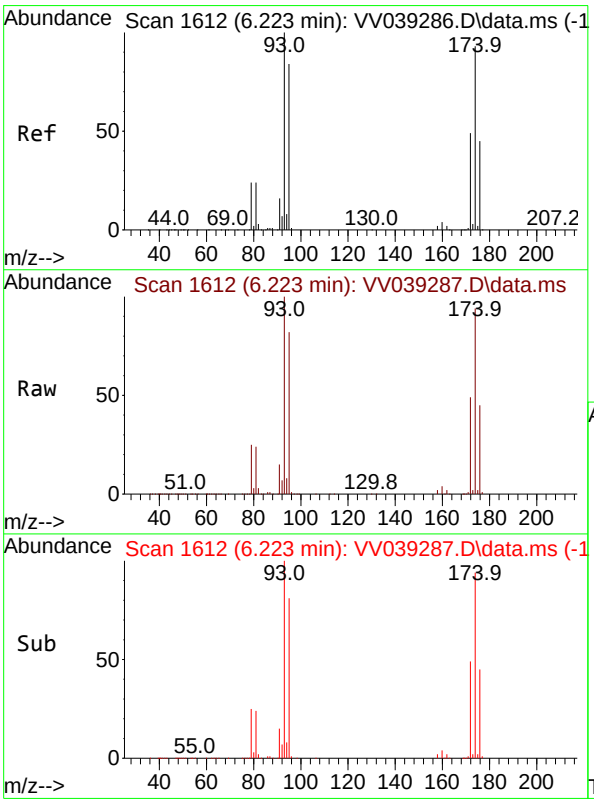
#45
1,2-Dichloropropane
Concen: 96.798 ug/l
RT: 6.088 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 873398

Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.2

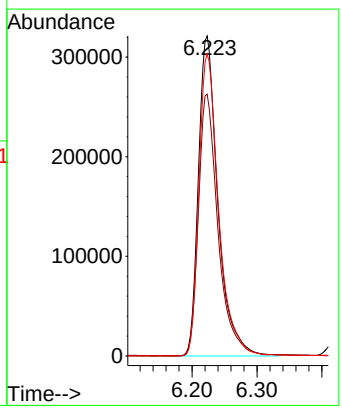


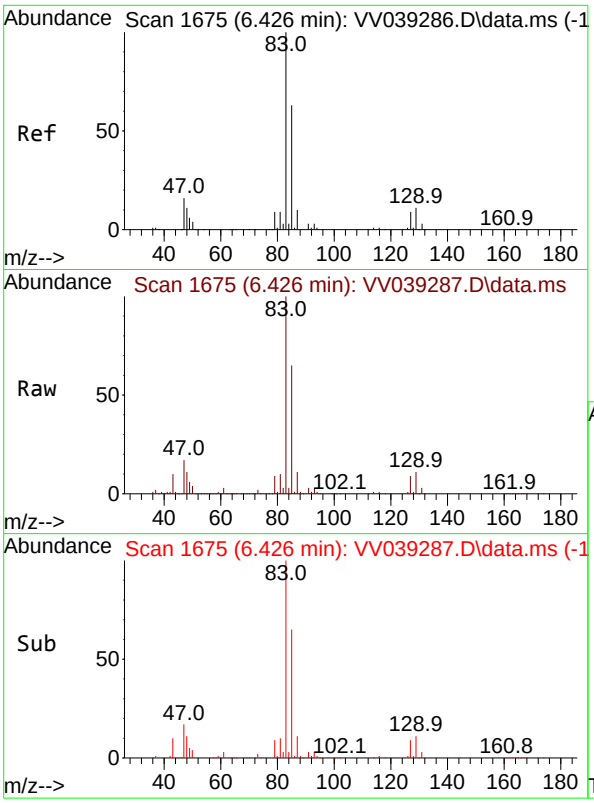


#46
Dibromomethane
Concen: 88.707 ug/l
RT: 6.223 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 93 Resp: 669010

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	95.7	74.6	112.0



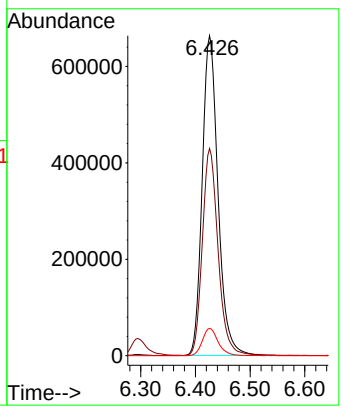


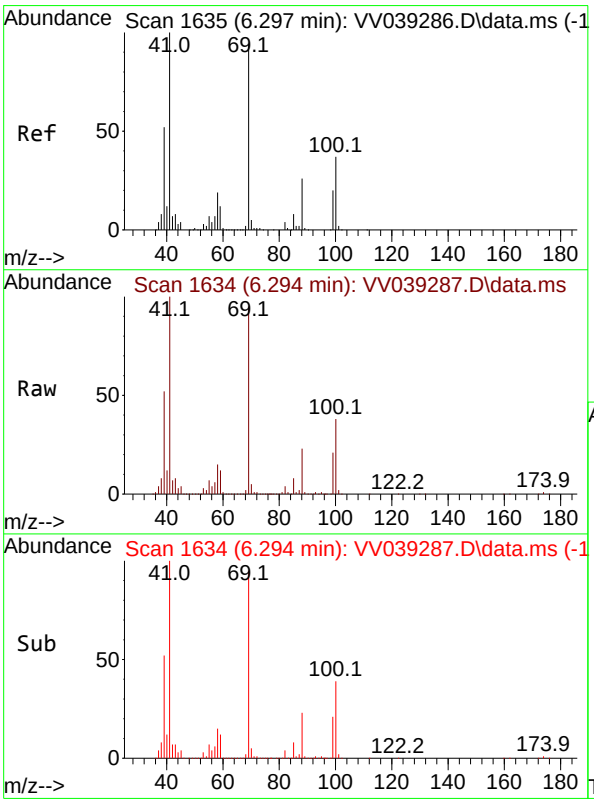
#47
Bromodichloromethane
Concen: 89.570 ug/l
RT: 6.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 1331015

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3
127	8.6	7.0	10.6

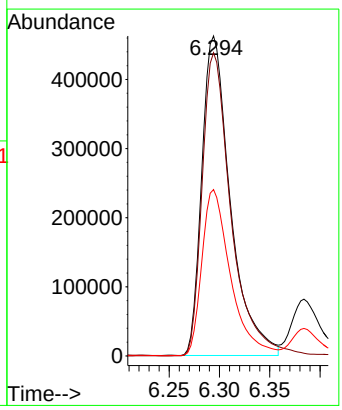


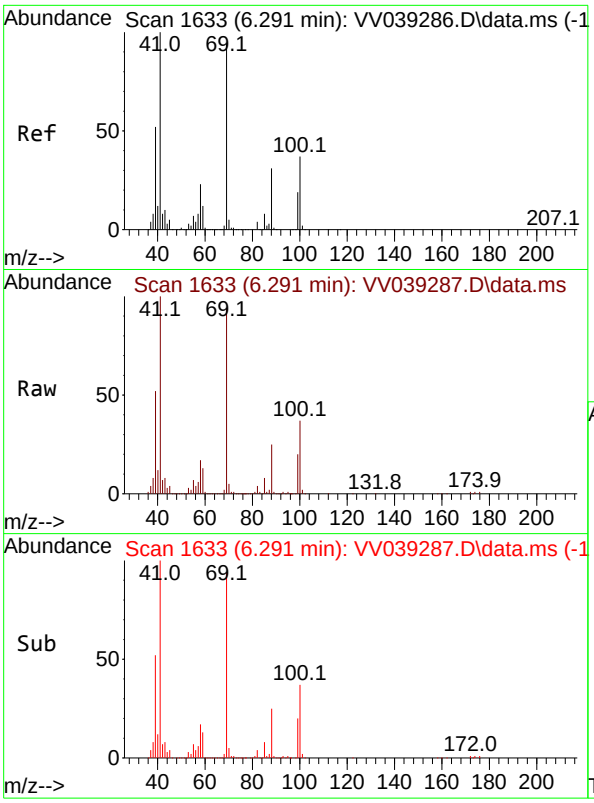


#48
Methyl methacrylate
Concen: 111.494 ug/l
RT: 6.294 min Scan# 1634
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 41 Resp: 914826

Ion	Ratio	Lower	Upper
41	100		
69	96.8	77.2	115.8
39	52.0	41.4	62.0



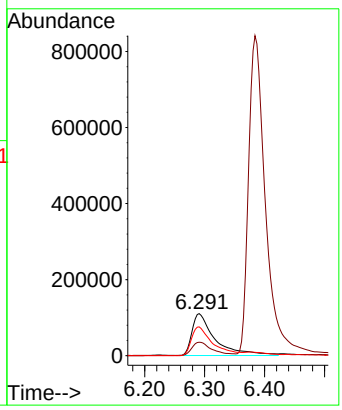


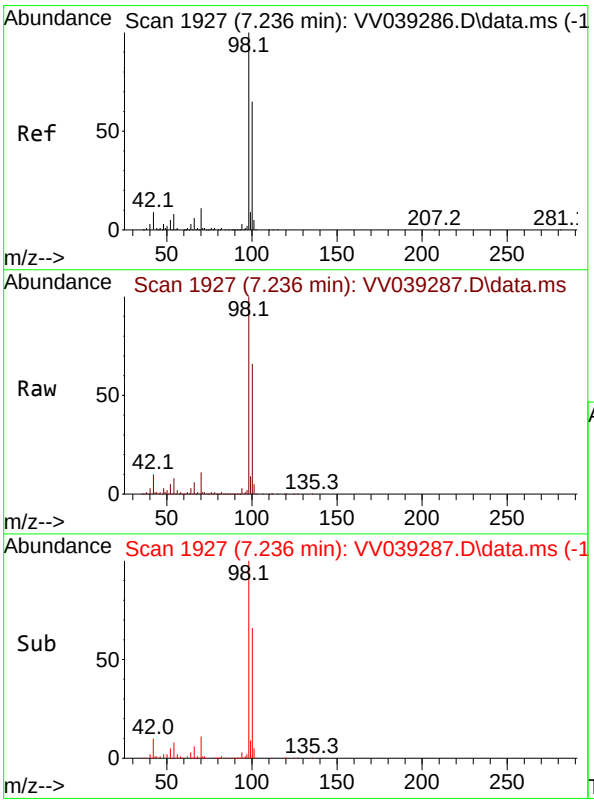
#49
1,4-Dioxane
Concen: 2174.580 ug/l
RT: 6.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 296818

Ion	Ratio	Lower	Upper
88	100		
43	27.8	24.1	36.1
58	63.2	57.6	86.4

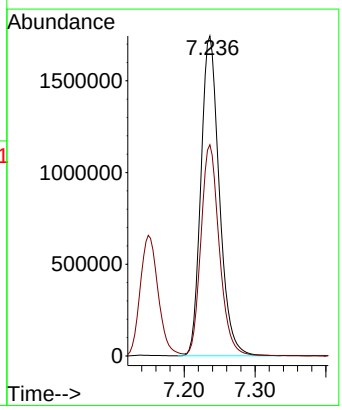


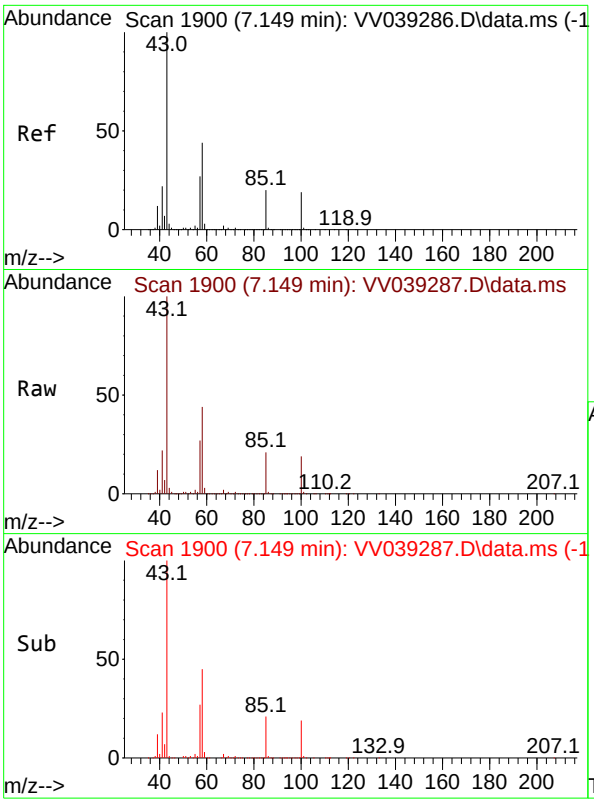


#50
Toluene-d8
Concen: 100.146 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 98 Resp: 3134481

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2



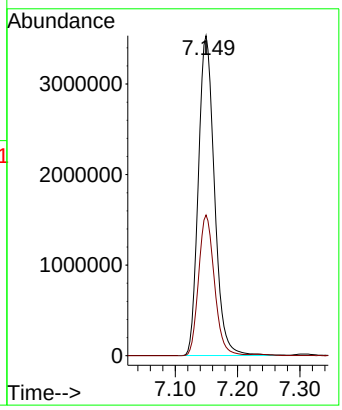


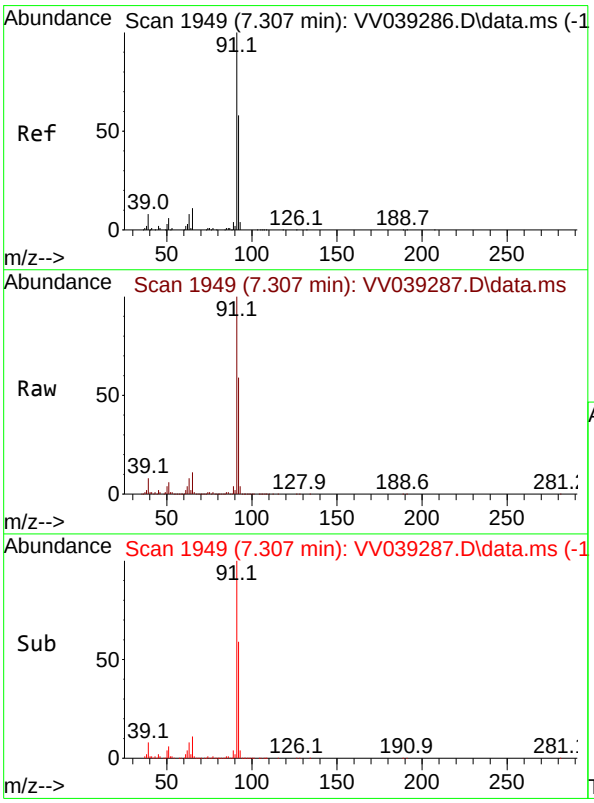
#51
4-Methyl-2-Pentanone
Concen: 516.411 ug/l
RT: 7.149 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 6345475

Ion	Ratio	Lower	Upper
43	100		
58	43.3	34.2	51.4

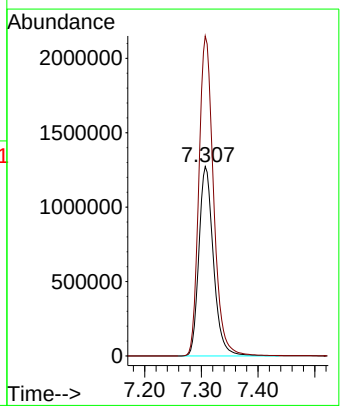


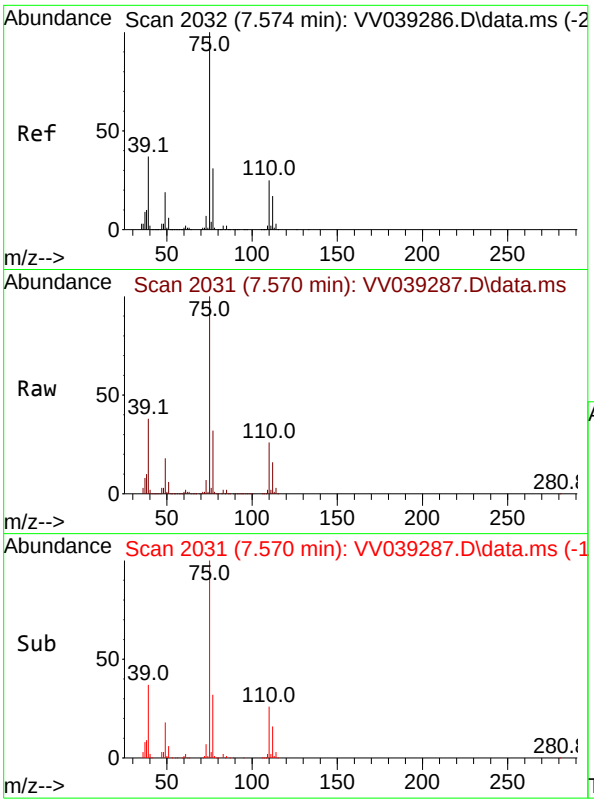


#52
Toluene
Concen: 101.117 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 92 Resp: 2263884

Ion	Ratio	Lower	Upper
92	100		
91	170.7	137.3	205.9



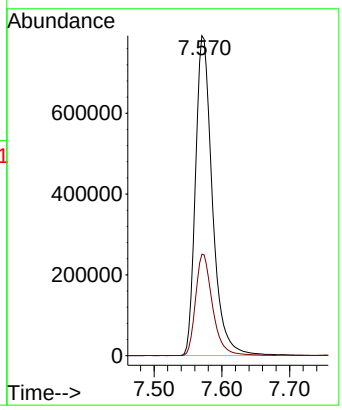


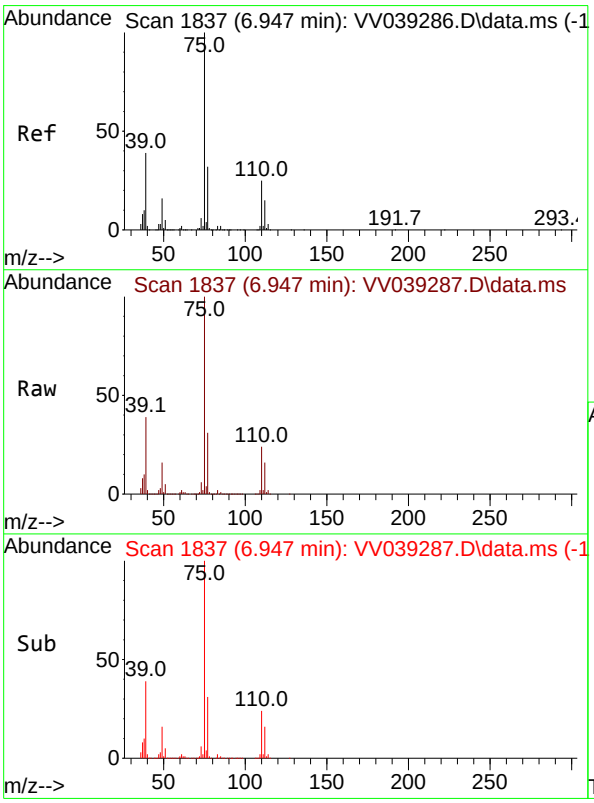
#53
t-1,3-Dichloropropene
Concen: 105.398 ug/l
RT: 7.570 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 1368814

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7

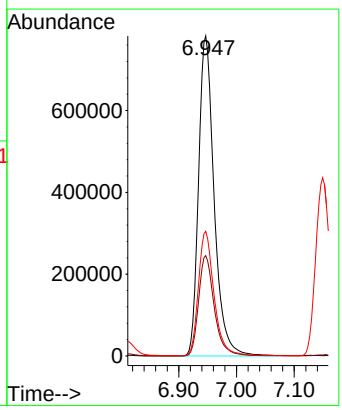


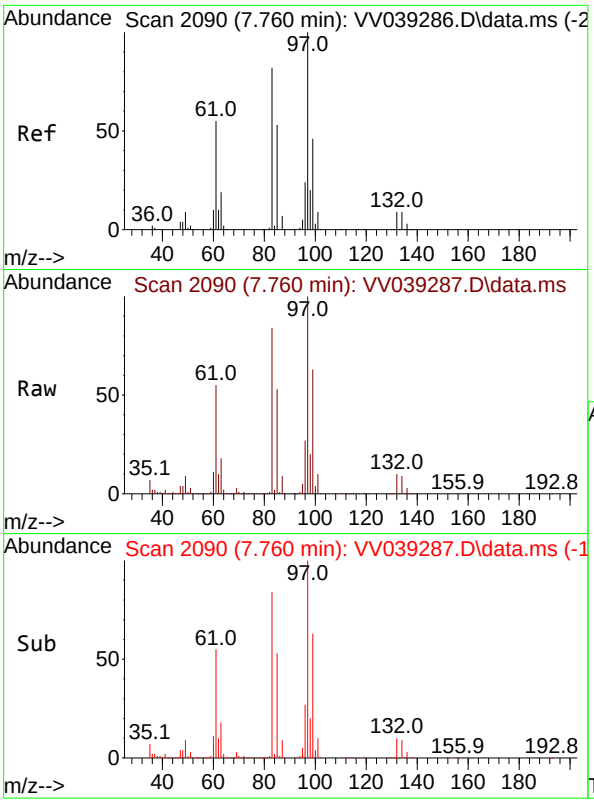


#54
cis-1,3-Dichloropropene
Concen: 101.305 ug/l
RT: 6.947 min Scan# 1837
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 75 Resp: 1462703

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
39	38.9	31.0	46.6



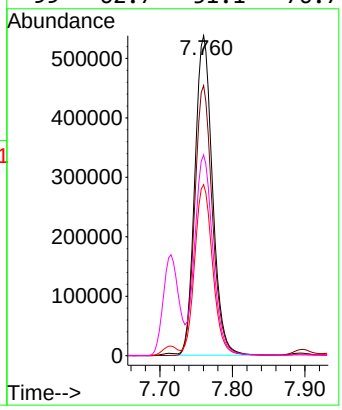


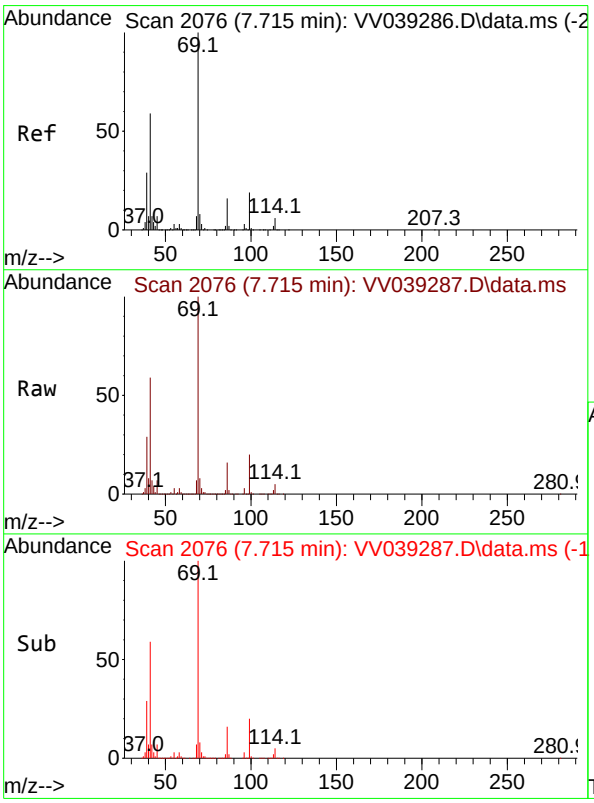
#55
1,1,2-Trichloroethane
Concen: 89.760 ug/l
RT: 7.760 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 907428

Ion	Ratio	Lower	Upper
97	100		
83	84.3	65.8	98.8
85	53.4	43.3	64.9
99	62.7	51.1	76.7

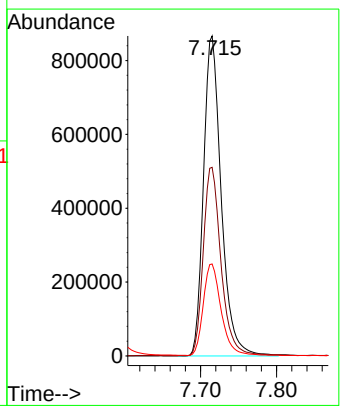


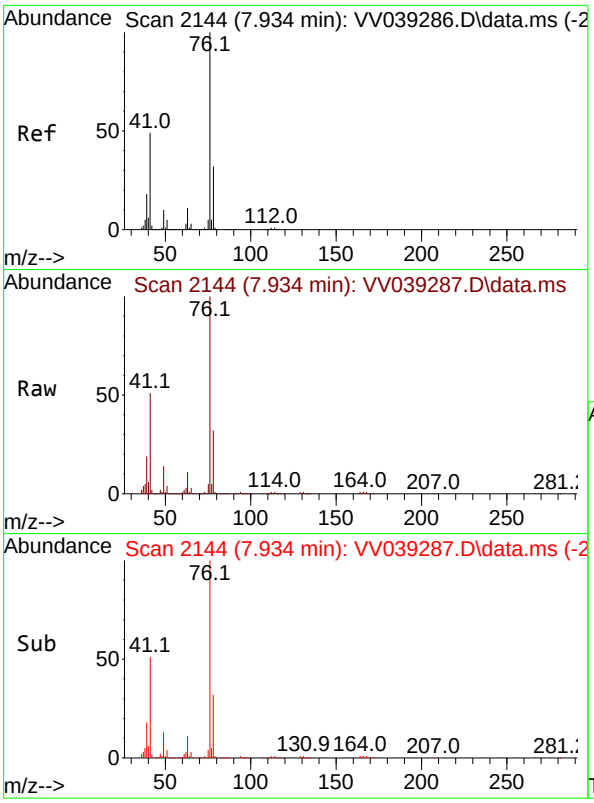


#56
Ethyl methacrylate
Concen: 124.375 ug/l
RT: 7.715 min Scan# 2076
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 69 Resp: 1403788

Ion	Ratio	Lower	Upper
69	100		
41	59.2	47.1	70.7
39	28.8	23.2	34.8



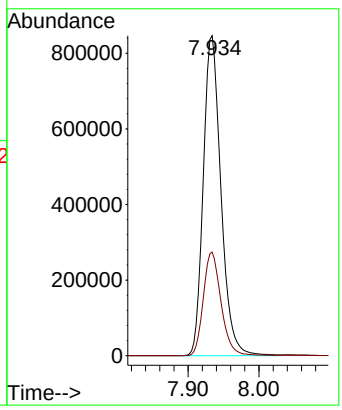


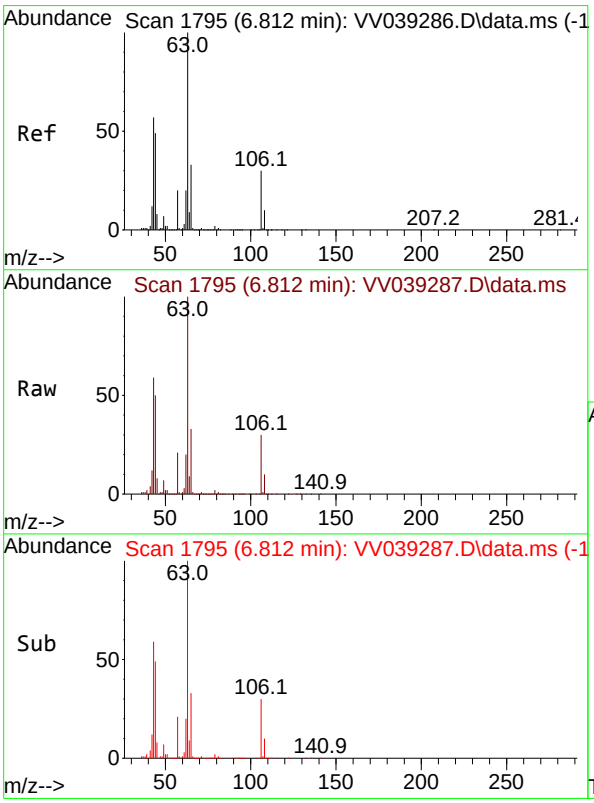
#57
1,3-Dichloropropane
Concen: 96.166 ug/l
RT: 7.934 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 1467059

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.6	38.4

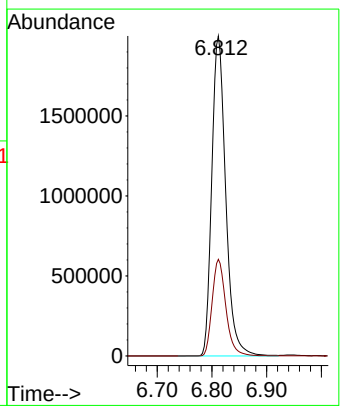


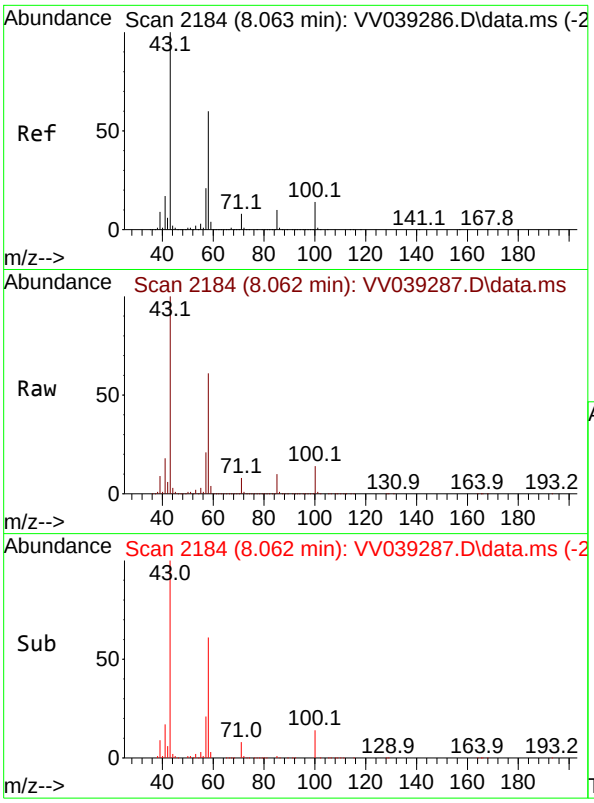


#58
2-Chloroethyl Vinyl ether
Concen: 500.230 ug/l
RT: 6.812 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 63 Resp: 3527395

Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.5	35.3



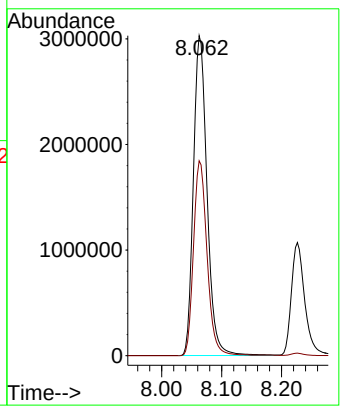


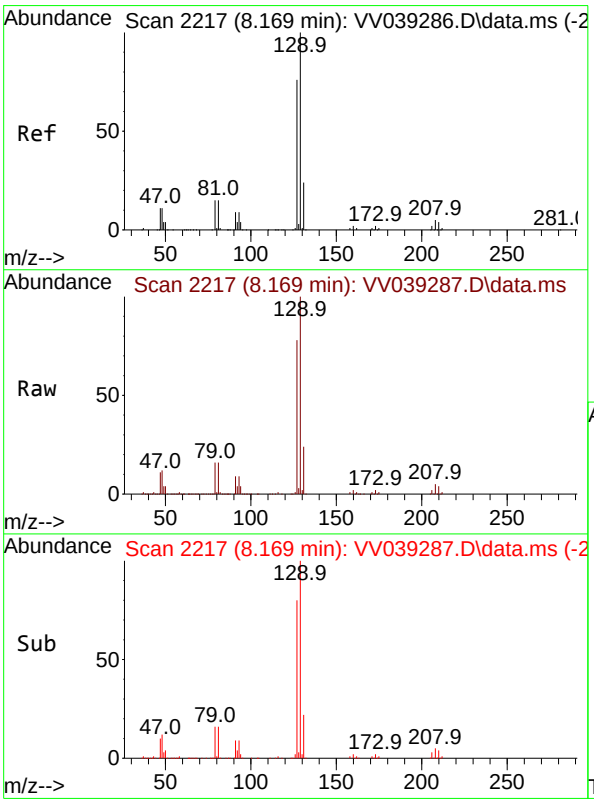
#59
2-Hexanone
Concen: 532.226 ug/l
RT: 8.062 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 4801164

Ion	Ratio	Lower	Upper
43	100		
58	60.6	29.6	88.9

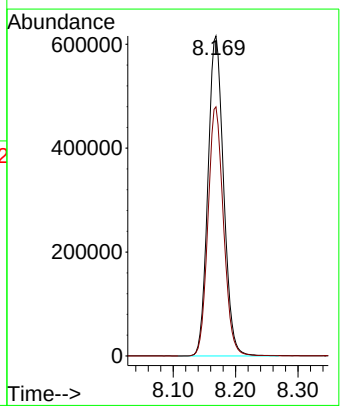


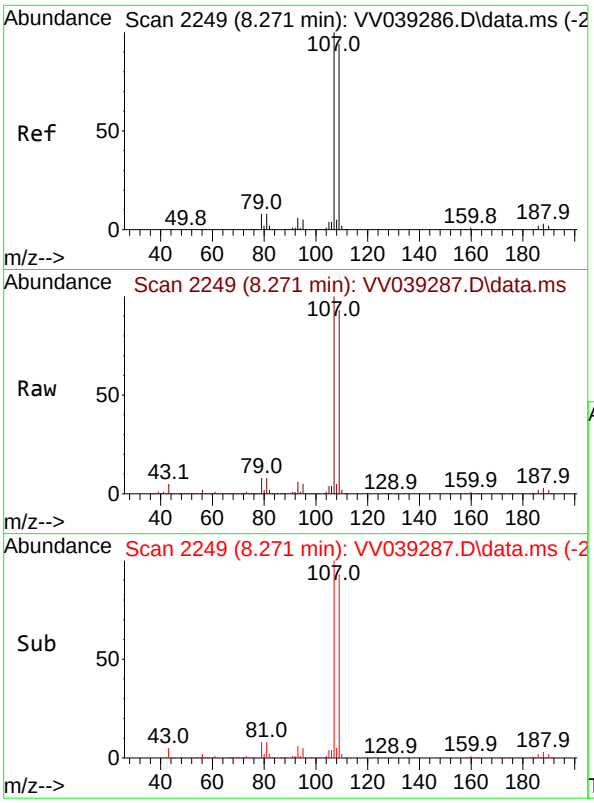


#60
Dibromochloromethane
Concen: 91.110 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:129 Resp: 1076945

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.4	115.1



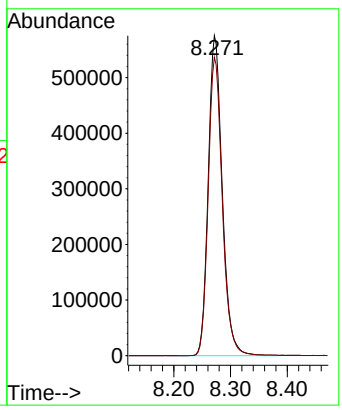


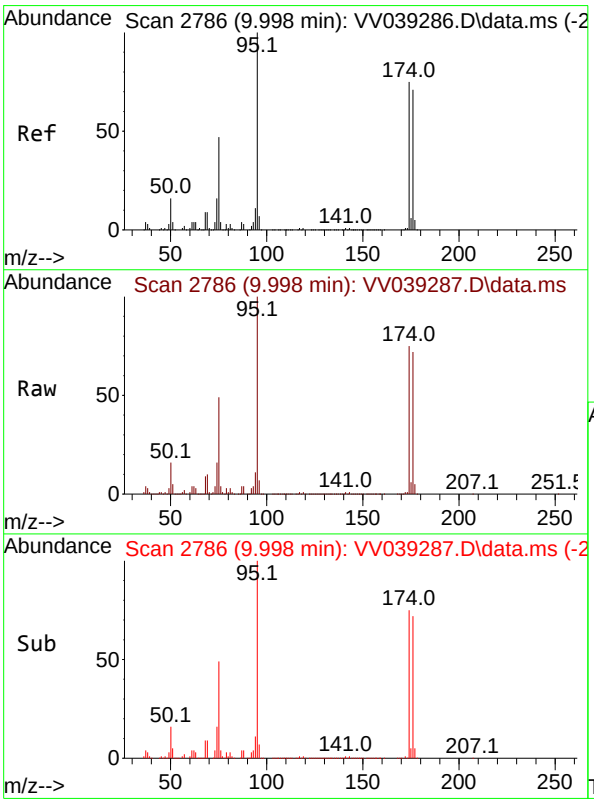
#61
1,2-Dibromoethane
Concen: 94.173 ug/l
RT: 8.271 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 991319

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.8	113.6

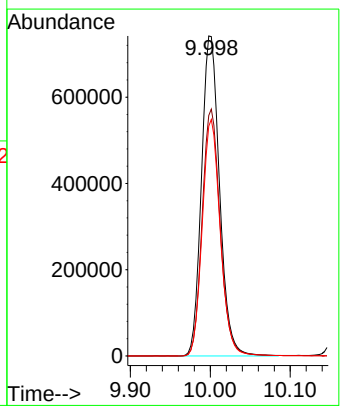


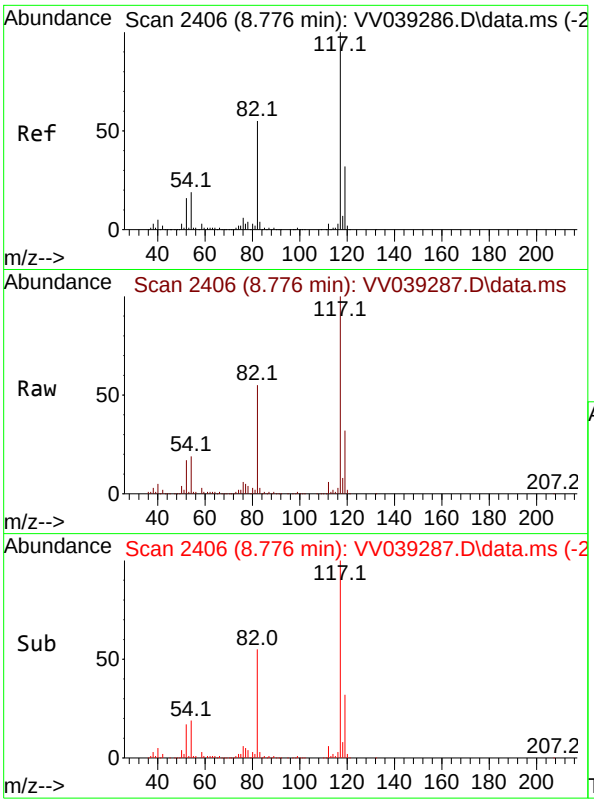


#62
4-Bromofluorobenzene
Concen: 104.841 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 95 Resp: 1168638

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	153.6
176	73.7	0.0	146.0



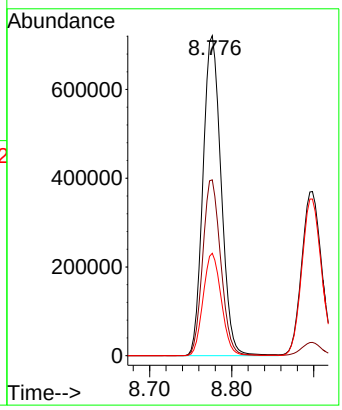


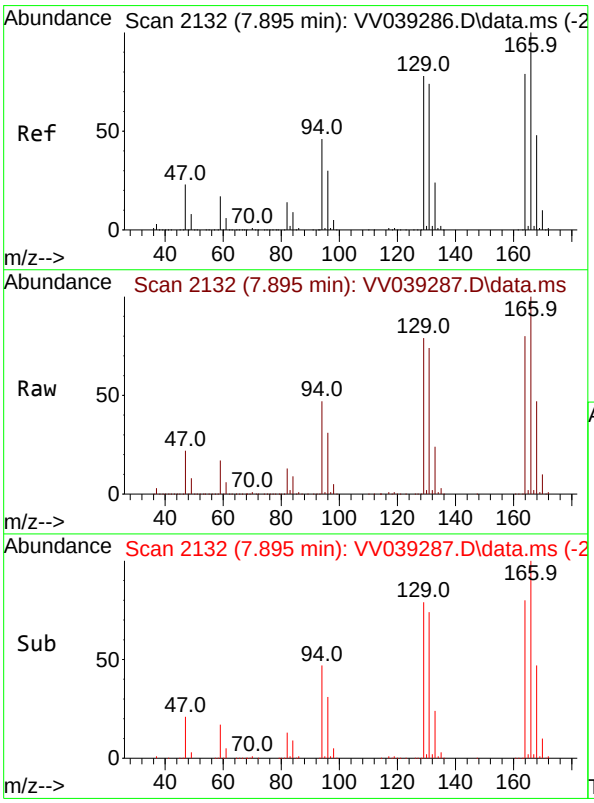
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 1107633

Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.8	65.8
119	32.0	25.8	38.6

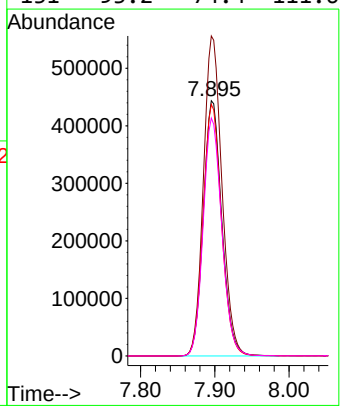


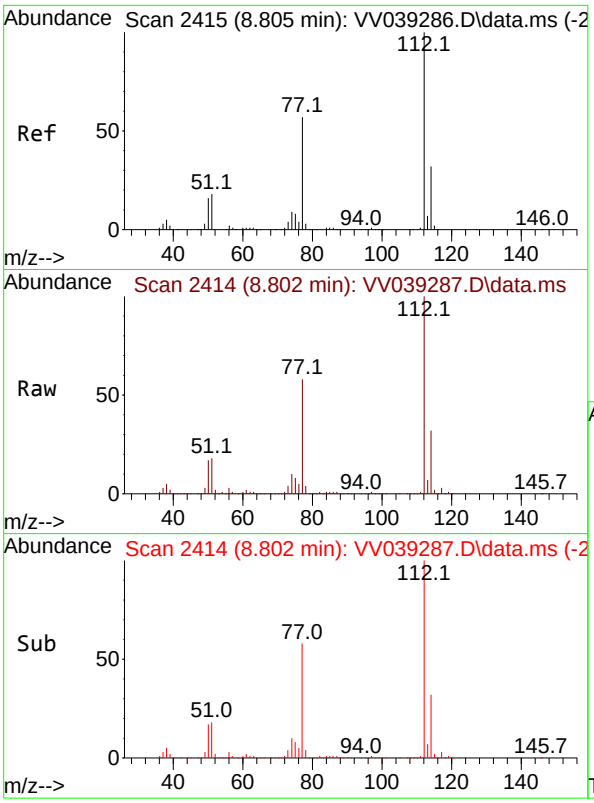


#64
Tetrachloroethene
Concen: 94.986 ug/l
RT: 7.895 min Scan# 2132
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:164 Resp: 767463

Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.0	151.6
129	98.6	79.0	118.6
131	93.2	74.4	111.6



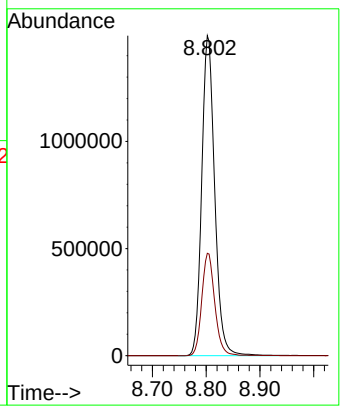


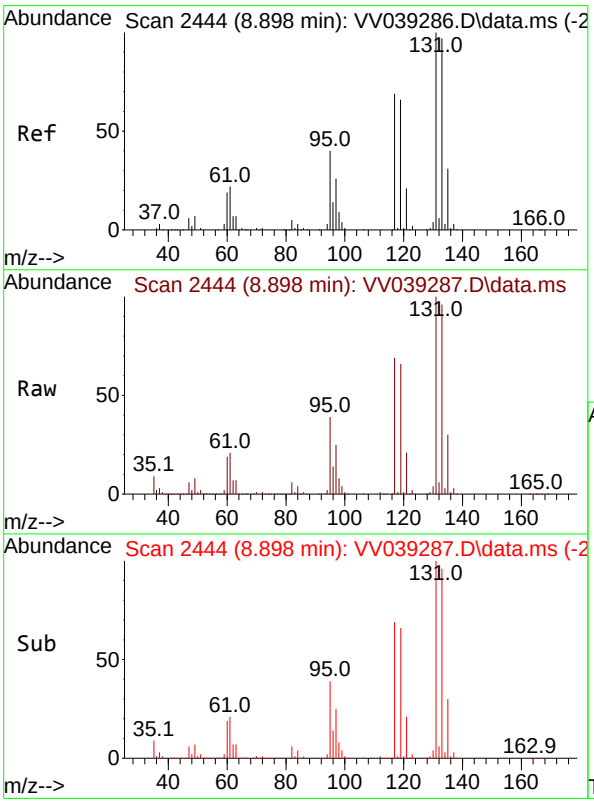
#65
Chlorobenzene
Concen: 95.468 ug/l
RT: 8.802 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 2503276

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.7	38.5

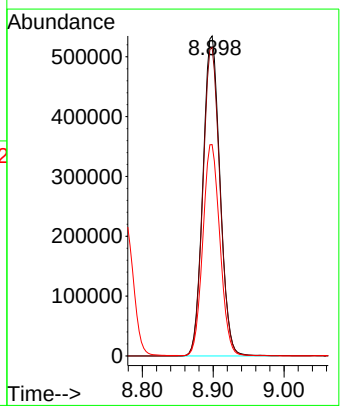


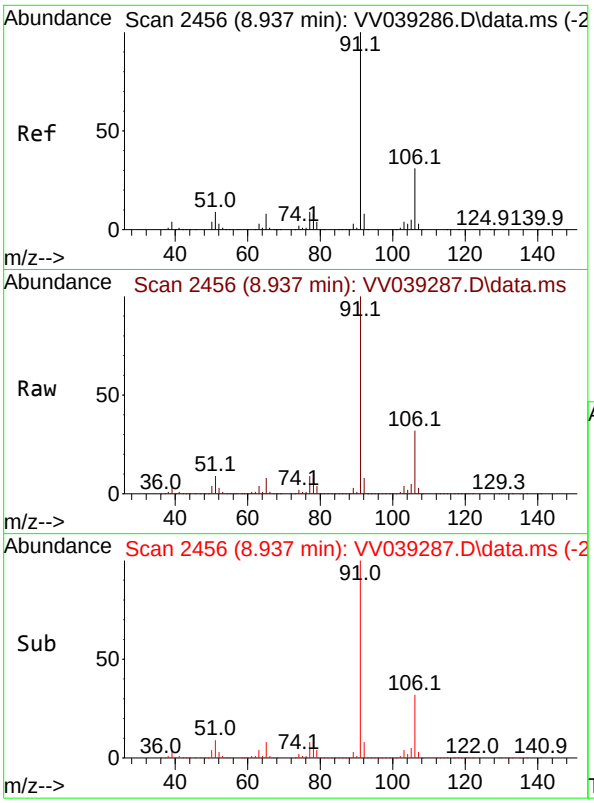


#66
1,1,1,2-Tetrachloroethane
Concen: 90.889 ug/l
RT: 8.898 min Scan# 2444
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:131 Resp: 892682

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.8	143.3
119	66.0	32.7	98.1



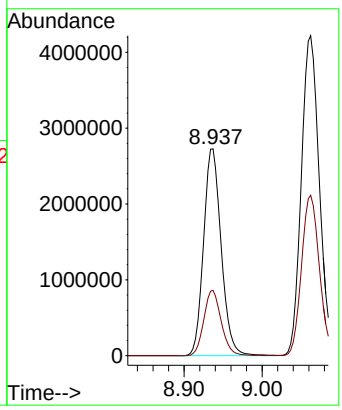


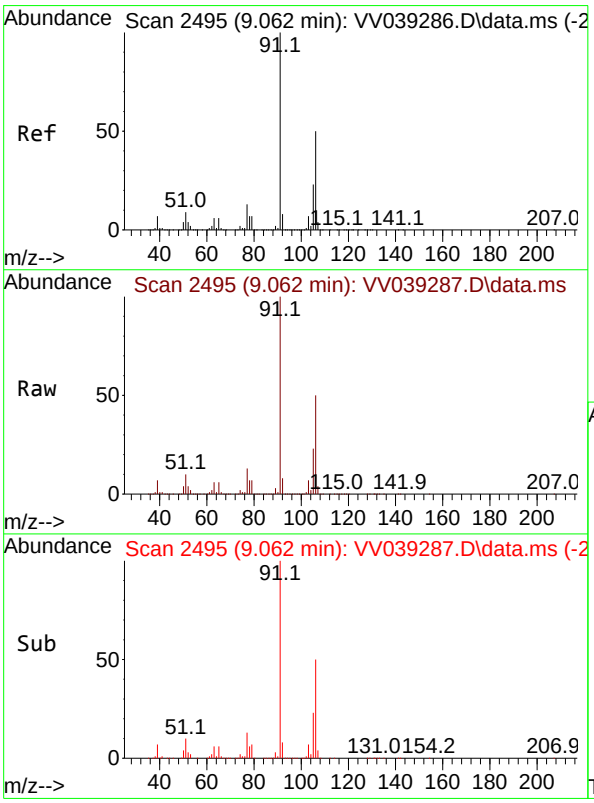
#67
Ethyl Benzene
Concen: 111.032 ug/l
RT: 8.937 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 4288544

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.6	37.0

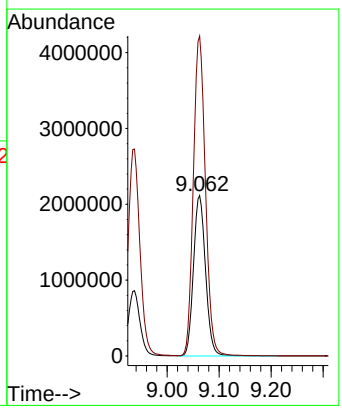


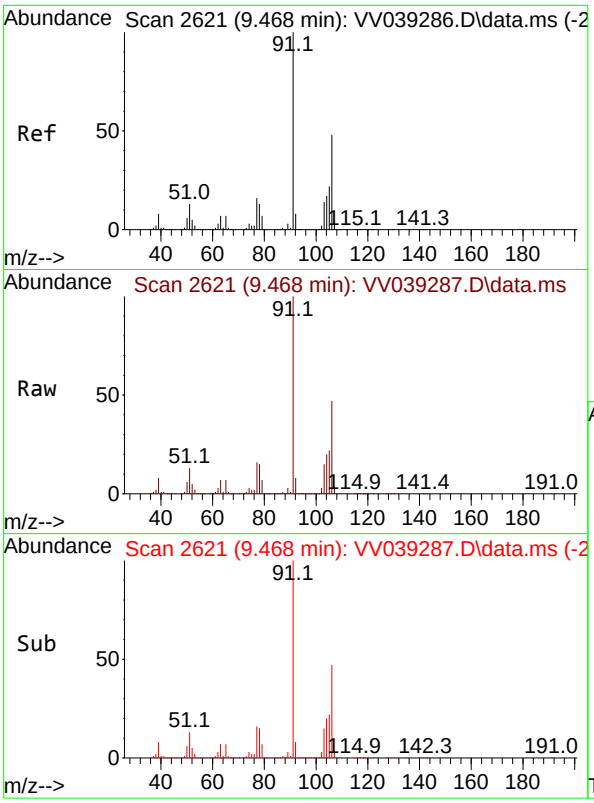


#68
m/p-Xylenes
Concen: 222.630 ug/l
RT: 9.062 min Scan# 2495
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:106 Resp: 3410520

Ion	Ratio	Lower	Upper
106	100		
91	199.6	160.2	240.2



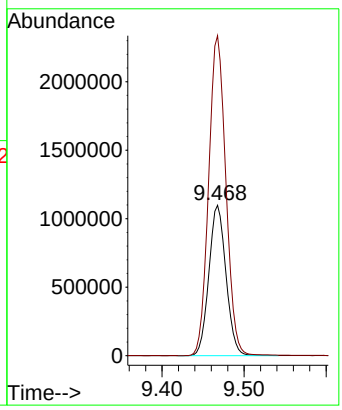


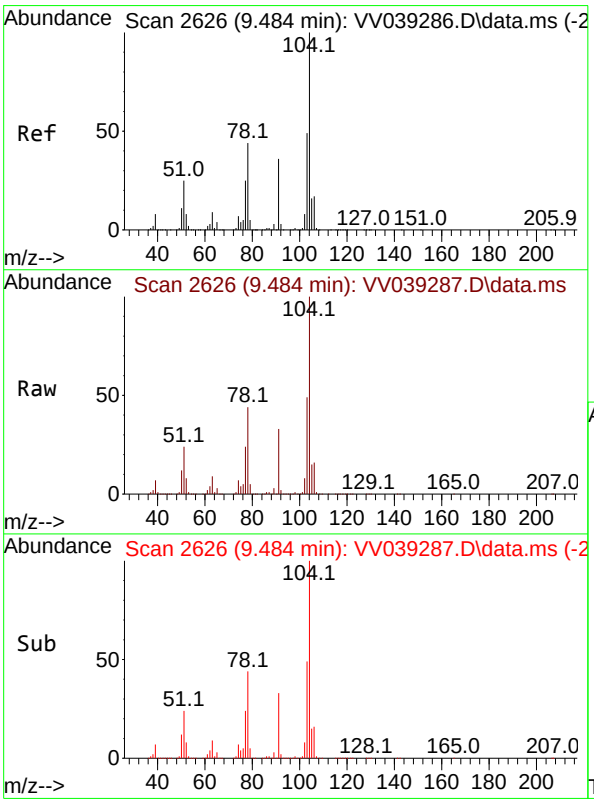
#69
o-Xylene
Concen: 117.673 ug/l
RT: 9.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 1591932

Ion	Ratio	Lower	Upper
106	100		
91	214.2	105.8	317.3

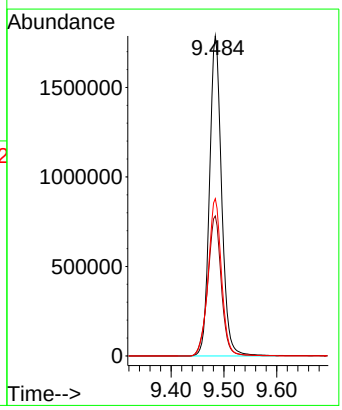


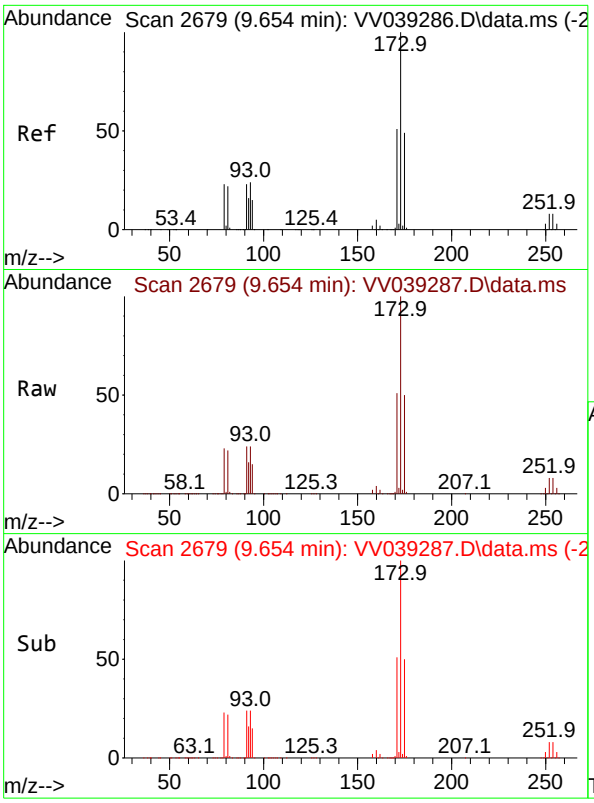


#70
Styrene
Concen: 118.237 ug/l
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:104 Resp: 2846152

Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.9	58.3
103	54.0	42.9	64.3



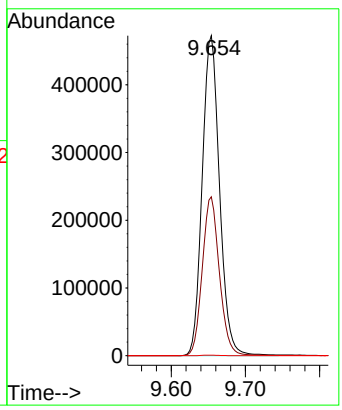


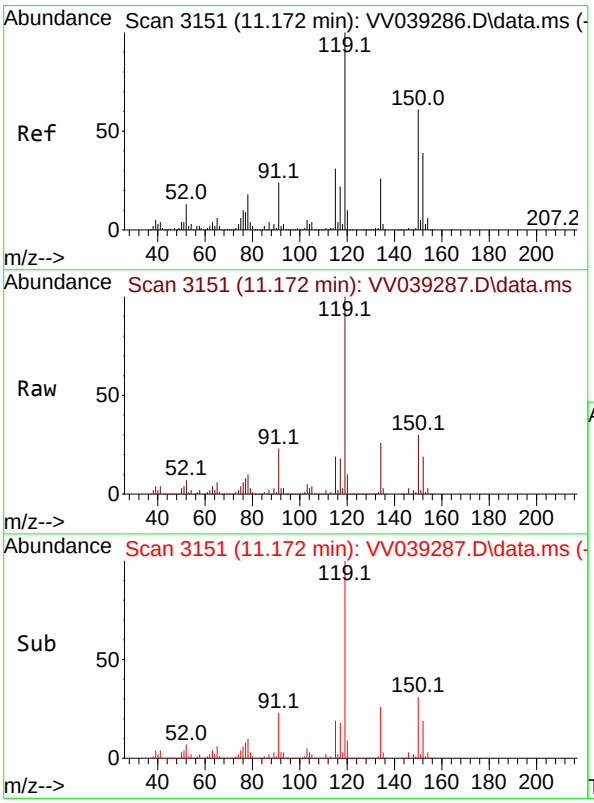
#71
Bromoform
Concen: 96.230 ug/l
RT: 9.654 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 764338

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.1	0.2	0.2#

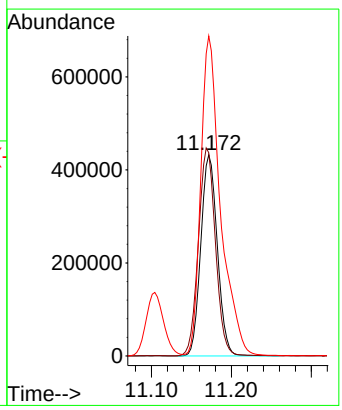


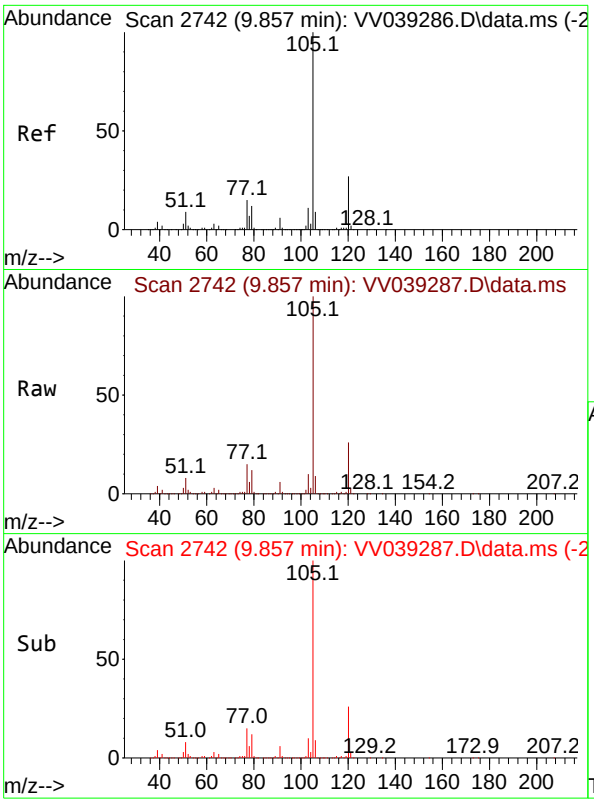


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:152 Resp: 621882

Ion	Ratio	Lower	Upper
152	100		
115	106.7	42.3	126.8
150	189.8	0.0	348.0



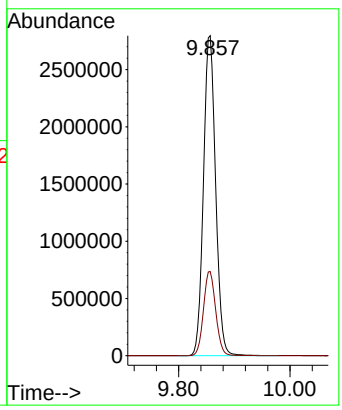


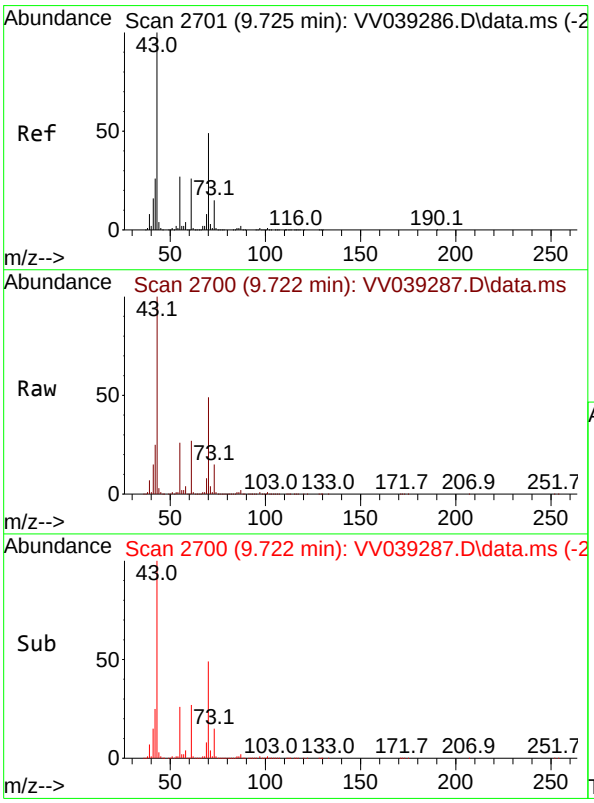
#73
Isopropylbenzene
Concen: 112.193 ug/l
RT: 9.857 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 4236831

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

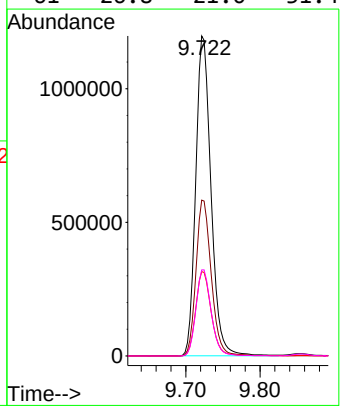


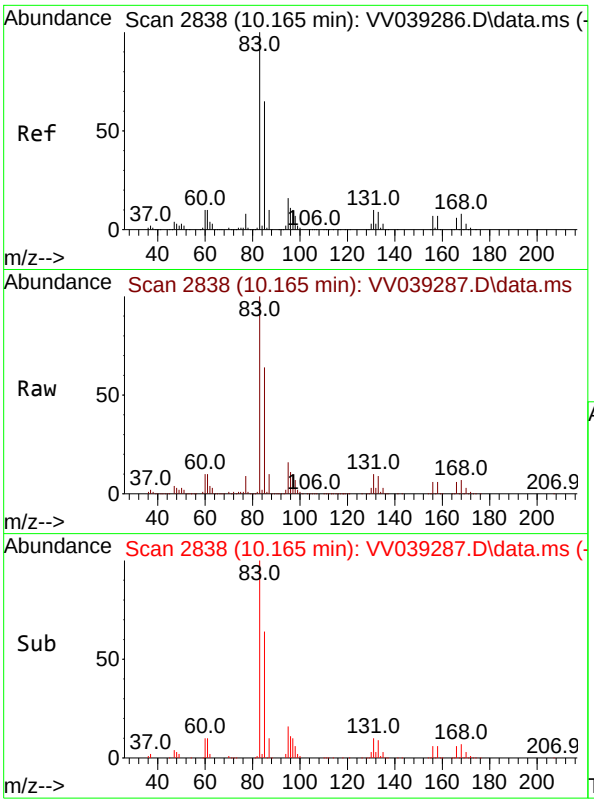


#74
N-amyl acetate
Concen: 109.578 ug/l
RT: 9.722 min Scan# 2700
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 43 Resp: 1717728

Ion	Ratio	Lower	Upper
43	100		
70	48.6	38.6	58.0
55	26.8	21.9	32.9
61	26.8	21.0	31.4



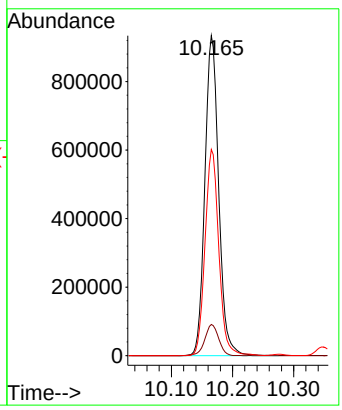


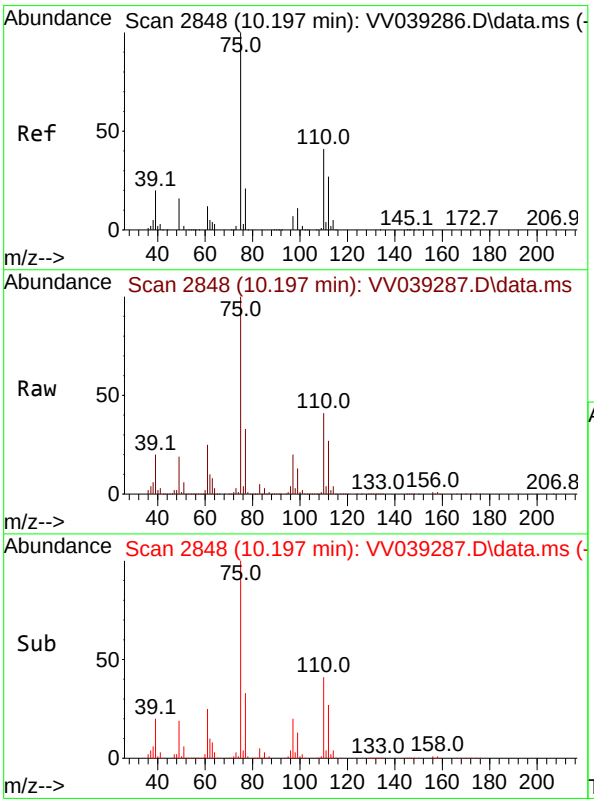
#75
1,1,2,2-Tetrachloroethane
Concen: 84.405 ug/l
RT: 10.165 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 1463782

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	64.4	32.4	97.2

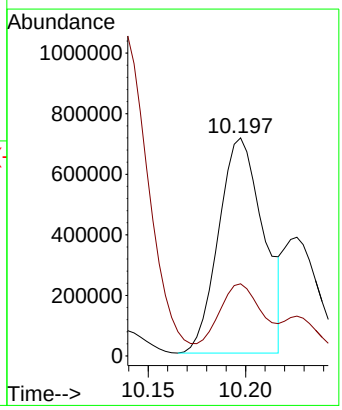


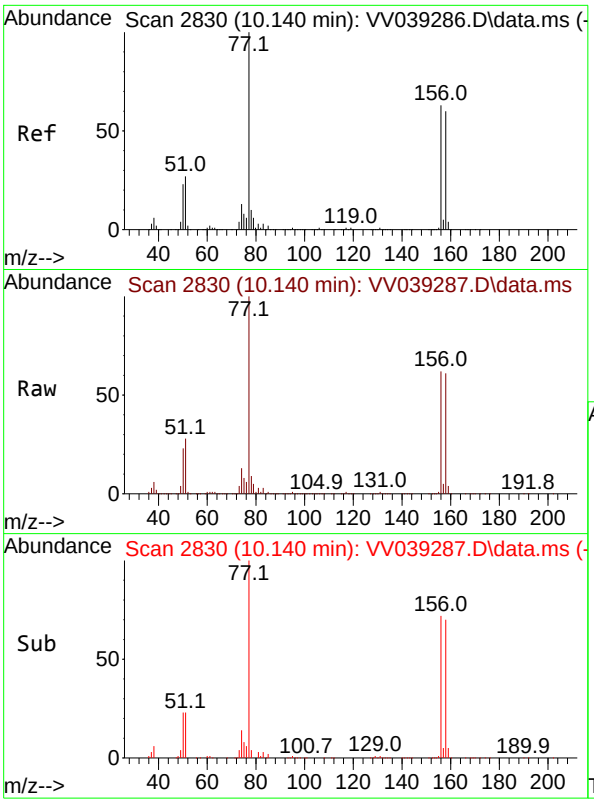


#76
1,2,3-Trichloropropane
Concen: 91.832 ug/l
RT: 10.197 min Scan# 2848
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 75 Resp: 1139829

Ion	Ratio	Lower	Upper
75	100		
77	24.9	12.2	36.4



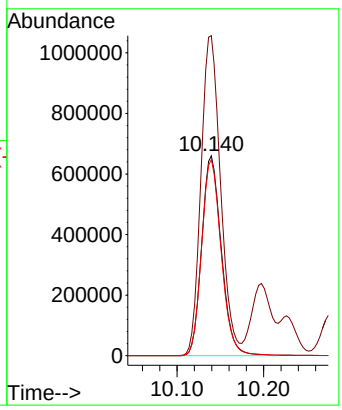


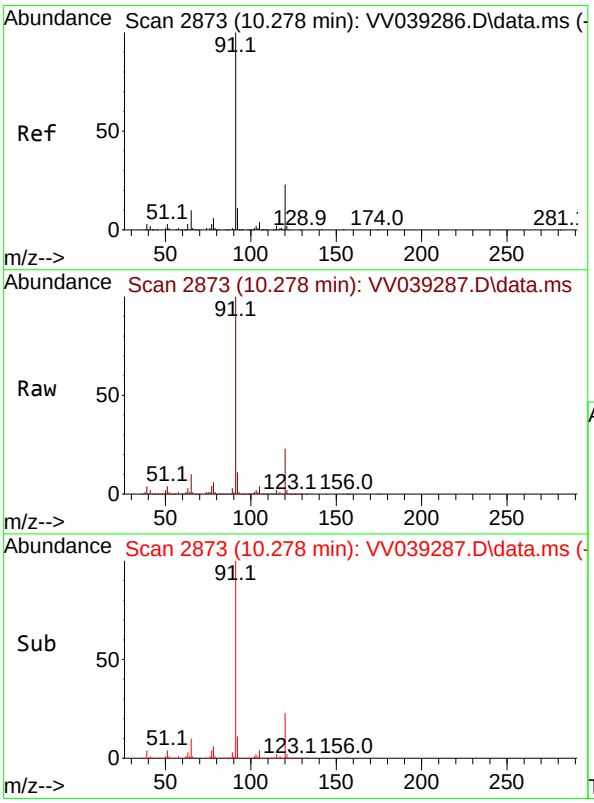
#77
Bromobenzene
Concen: 100.094 ug/l
RT: 10.140 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 1039102

Ion	Ratio	Lower	Upper
156	100		
77	160.3	78.4	235.2
158	98.1	47.7	143.1

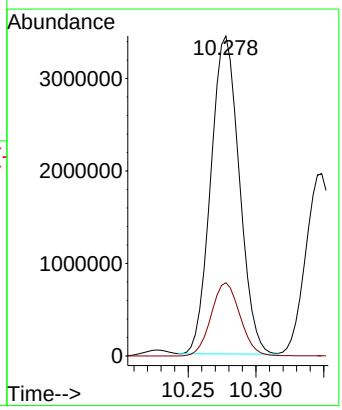


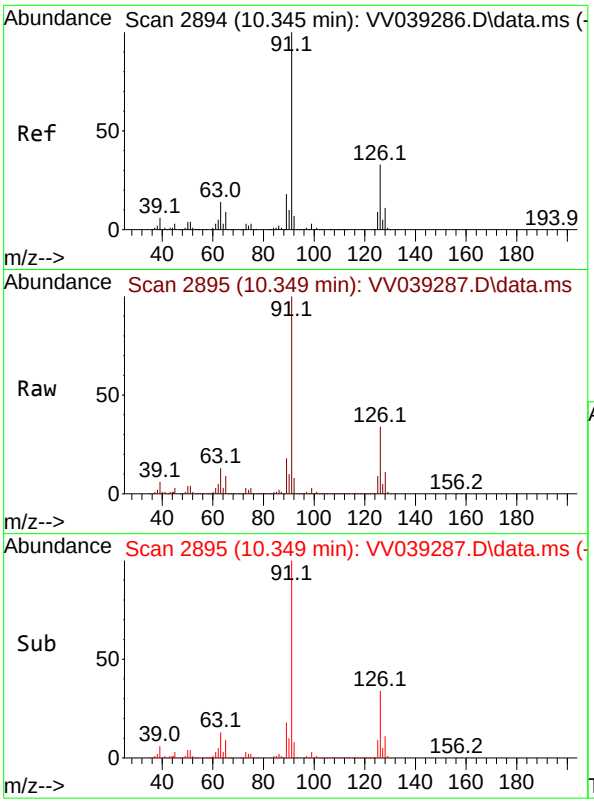


#78
n-propylbenzene
Concen: 109.805 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 91 Resp: 5031443

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5



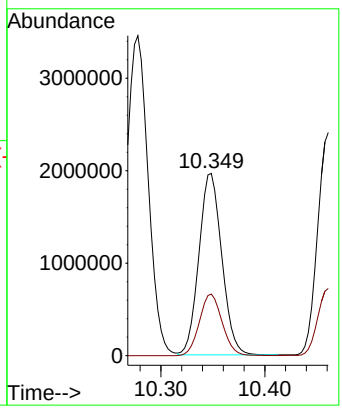


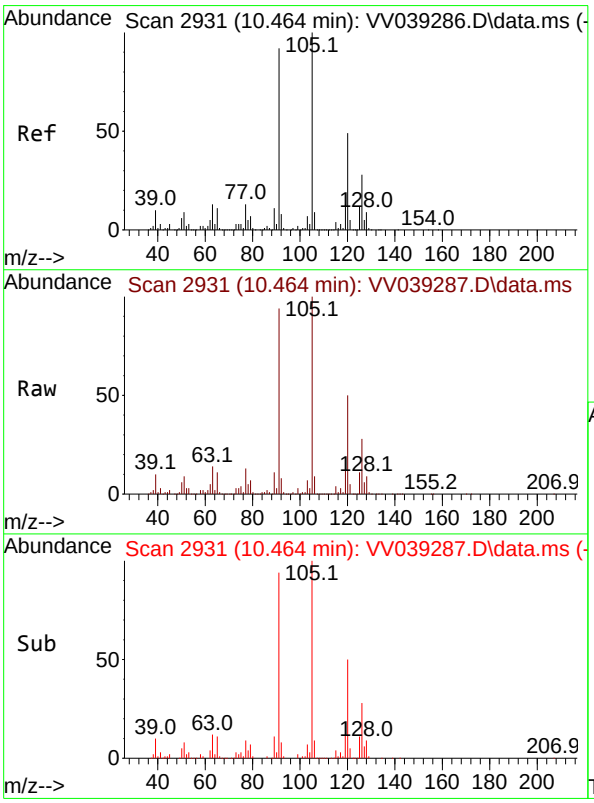
#79
2-Chlorotoluene
Concen: 106.088 ug/l
RT: 10.349 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 3001261

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6

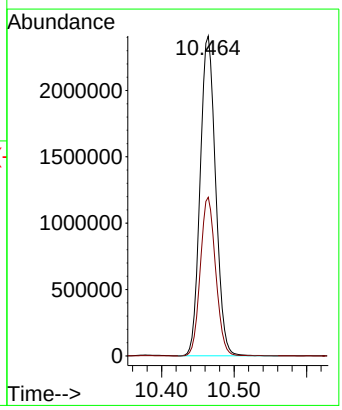


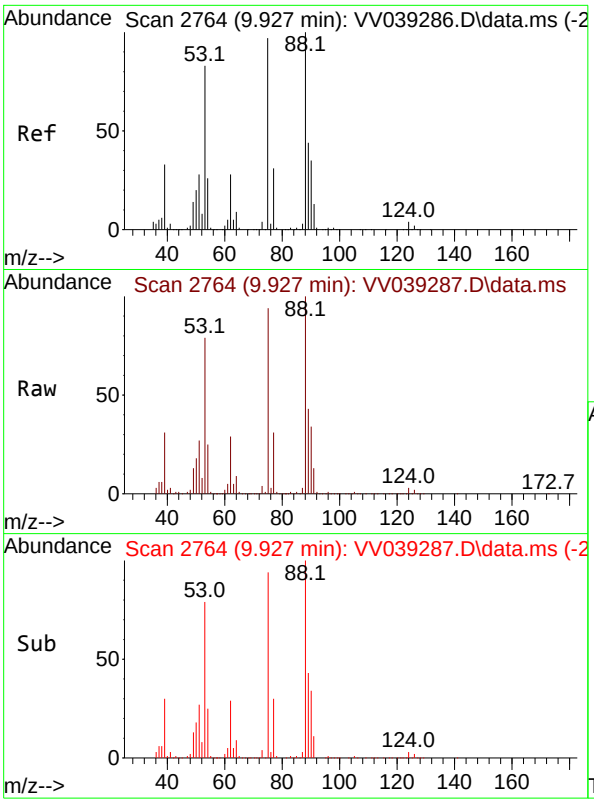


#80
1,3,5-Trimethylbenzene
Concen: 112.666 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:105 Resp: 3568373

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.3	73.0



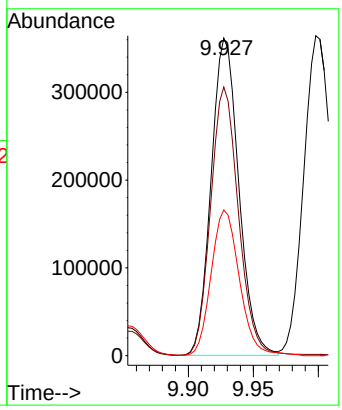


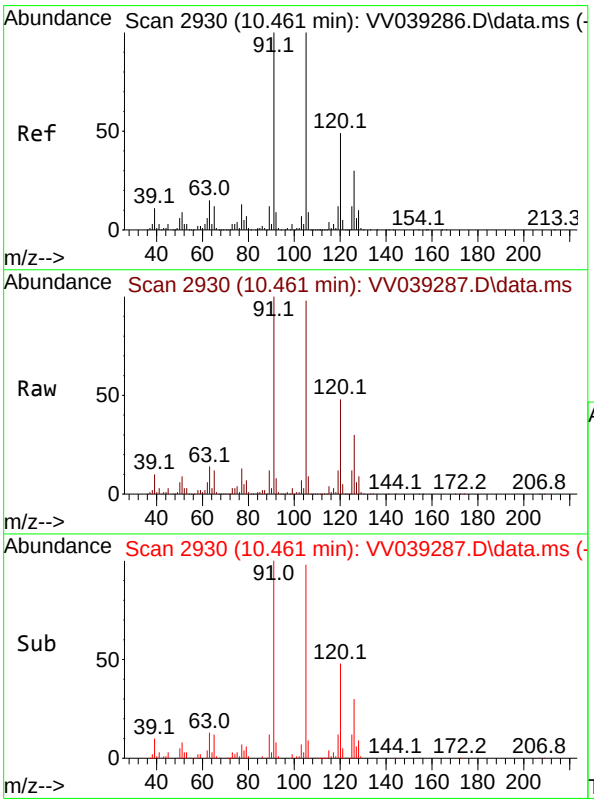
#81
trans-1,4-Dichloro-2-butene
Concen: 108.969 ug/l
RT: 9.927 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 535551

Ion	Ratio	Lower	Upper
75	100		
53	85.1	69.9	104.9
89	47.0	37.4	56.0

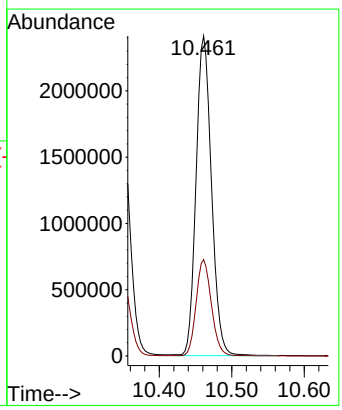


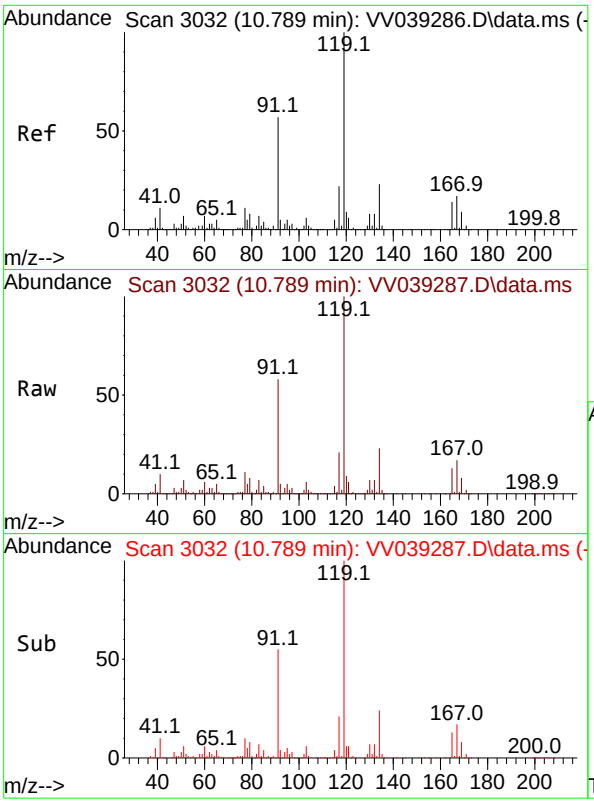


#82
4-Chlorotoluene
Concen: 109.222 ug/l
RT: 10.461 min Scan# 2930
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 91 Resp: 3551601

Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.8	44.4



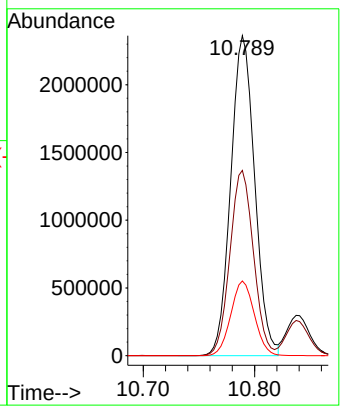


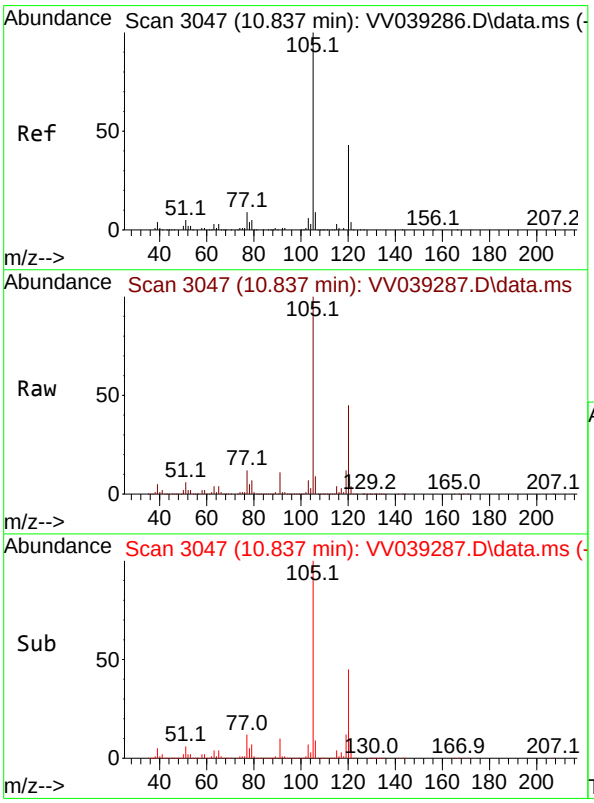
#83
tert-Butylbenzene
Concen: 112.082 ug/l
RT: 10.789 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 3524869

Ion	Ratio	Lower	Upper
119	100		
91	57.0	28.2	84.7
134	23.0	11.5	34.4

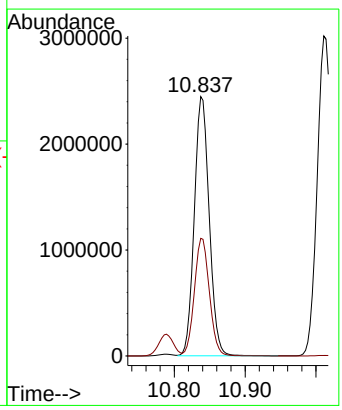


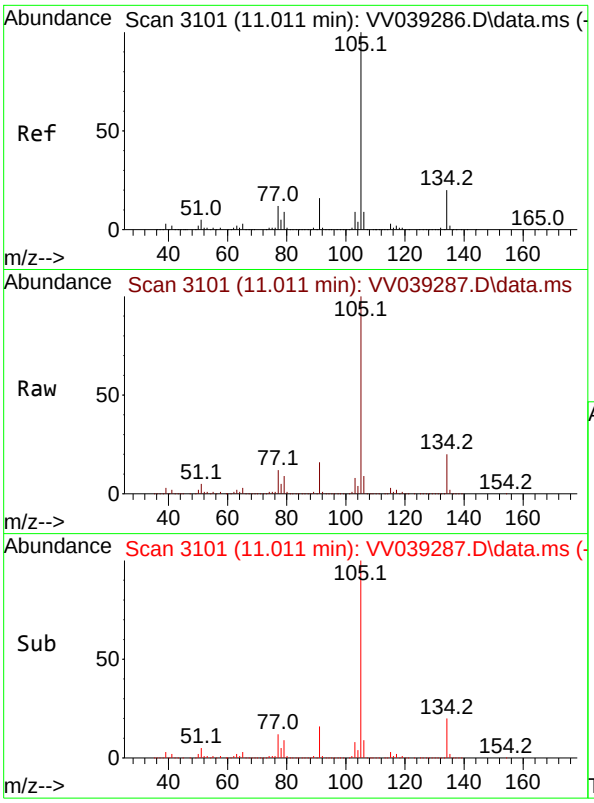


#84
1,2,4-Trimethylbenzene
Concen: 114.530 ug/l
RT: 10.837 min Scan# 3047
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:105 Resp: 3570942

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4



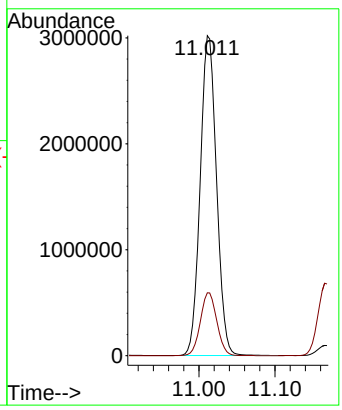


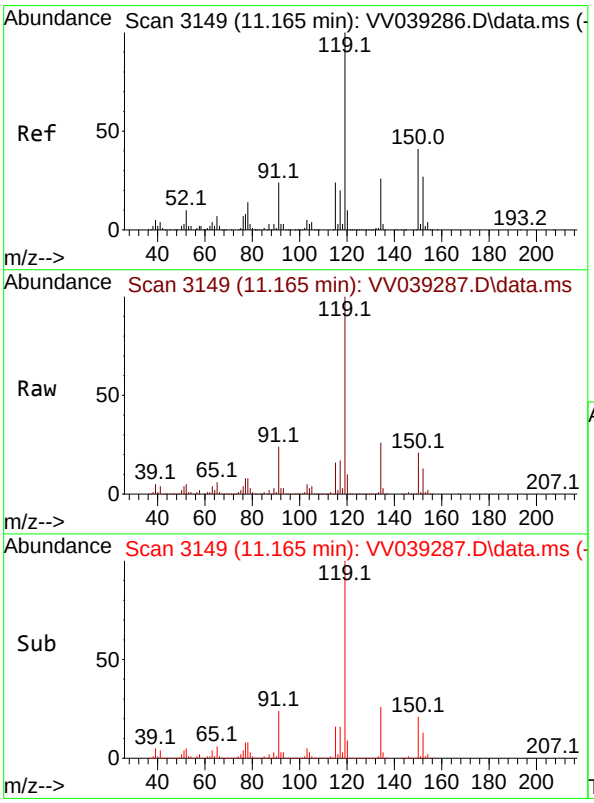
#85
sec-Butylbenzene
Concen: 113.251 ug/l
RT: 11.011 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 4503223

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

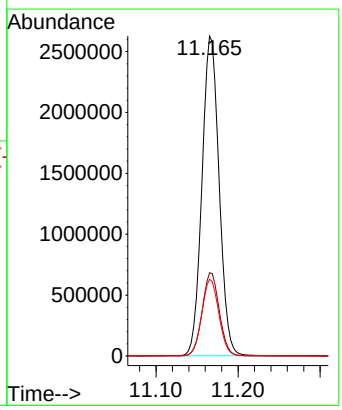


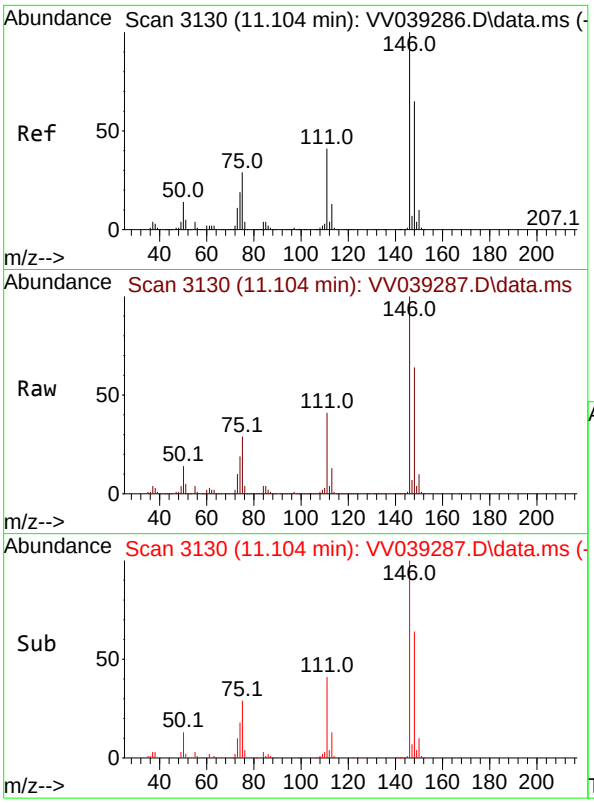


#86
p-Isopropyltoluene
Concen: 111.182 ug/l
RT: 11.165 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:119 Resp: 3801102

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	23.8	12.2	36.4



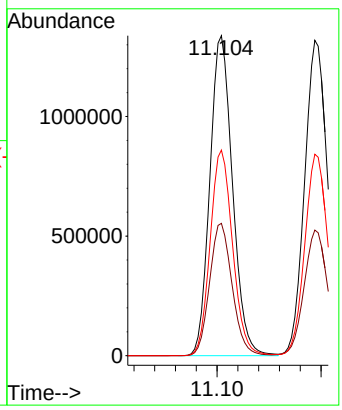


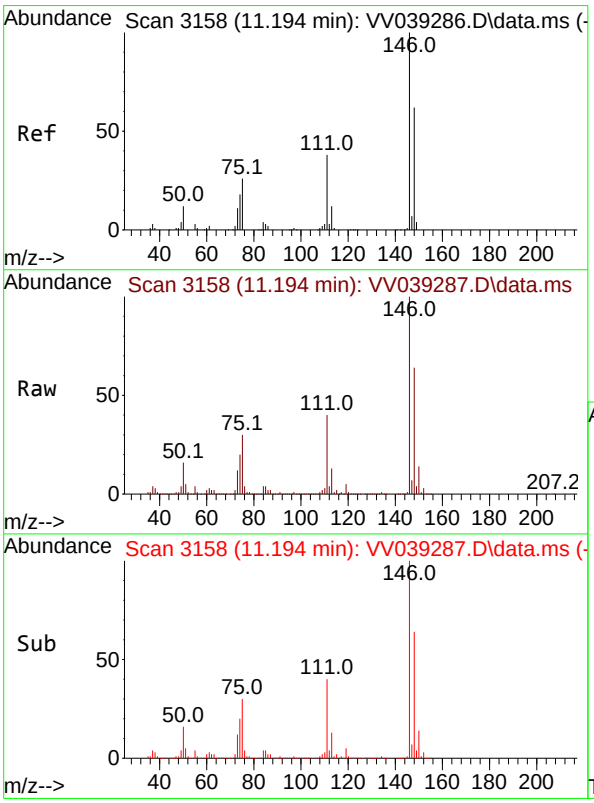
#87
1,3-Dichlorobenzene
Concen: 97.806 ug/l
RT: 11.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 2025215

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	63.8	31.9	95.9

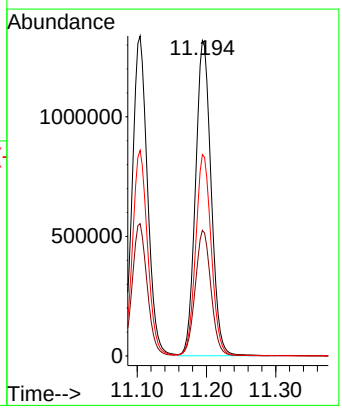


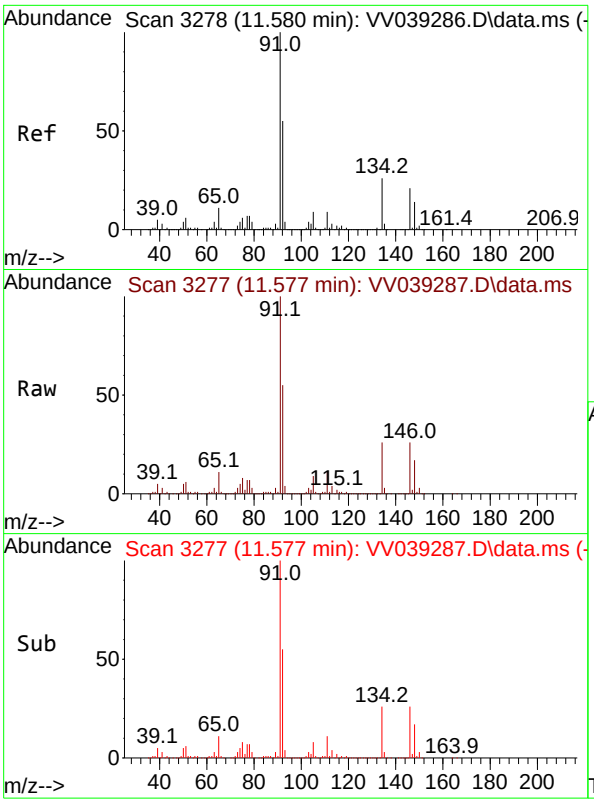


#88
1,4-Dichlorobenzene
Concen: 88.407 ug/l
RT: 11.194 min Scan# 3158
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:146 Resp: 2063431

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.0
148	63.9	31.5	94.5



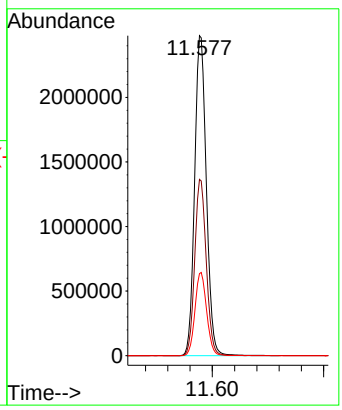


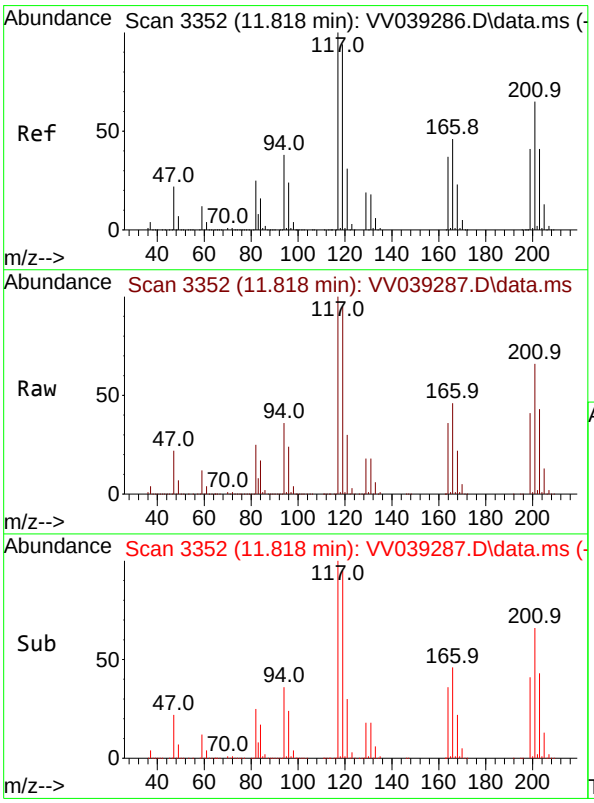
#89
n-Butylbenzene
Concen: 113.614 ug/l
RT: 11.577 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 3617227

Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.9	80.6
134	25.9	12.6	37.8

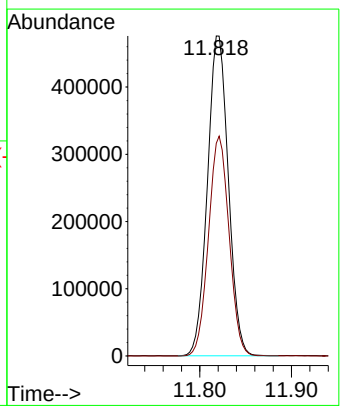


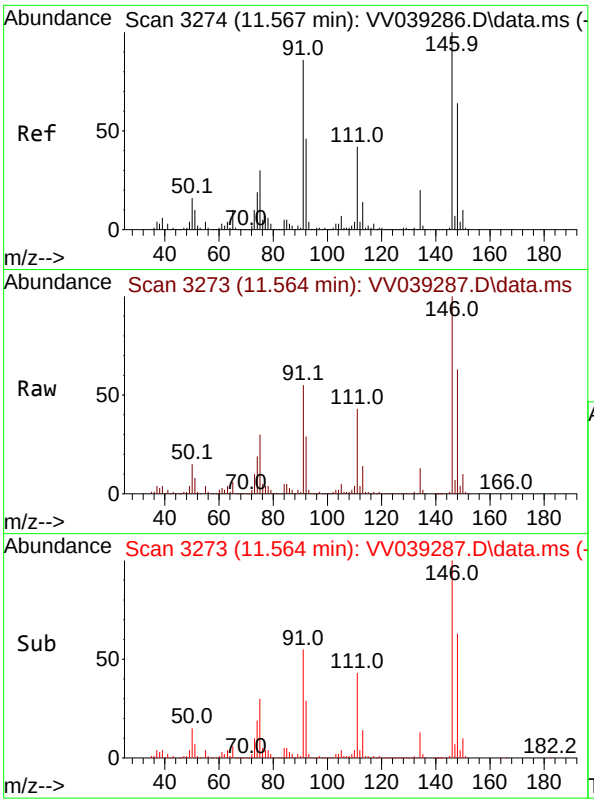


#90
Hexachloroethane
Concen: 89.118 ug/l
RT: 11.818 min Scan# 3352
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:117 Resp: 753378

Ion	Ratio	Lower	Upper
117	100		
201	67.7	33.7	101.1



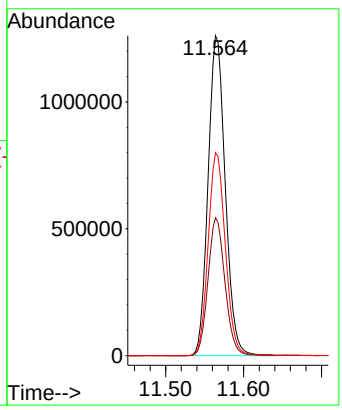


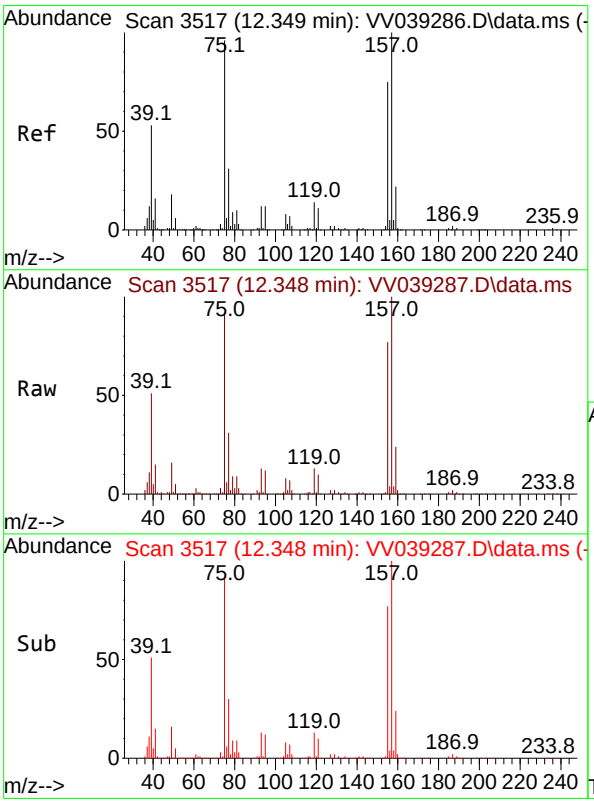
#91
1,2-Dichlorobenzene
Concen: 97.835 ug/l
RT: 11.564 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 1927089

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	64.0
148	63.6	31.9	95.7

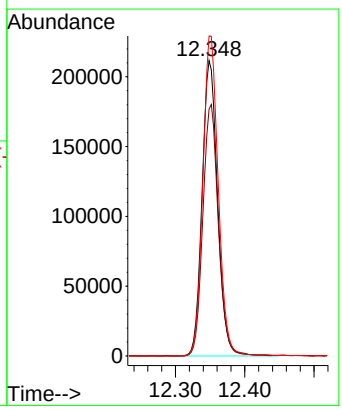


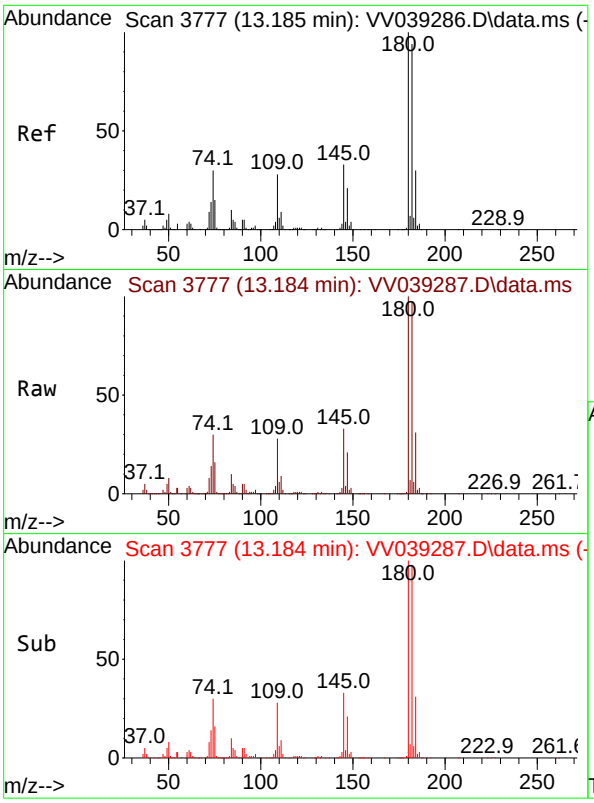


#92
1,2-Dibromo-3-Chloropropane
Concen: 92.330 ug/l
RT: 12.348 min Scan# 3517
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion: 75 Resp: 329241

Ion	Ratio	Lower	Upper
75	100		
155	84.8	40.8	122.5
157	107.5	53.3	160.0



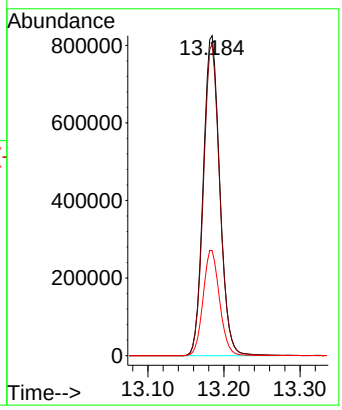


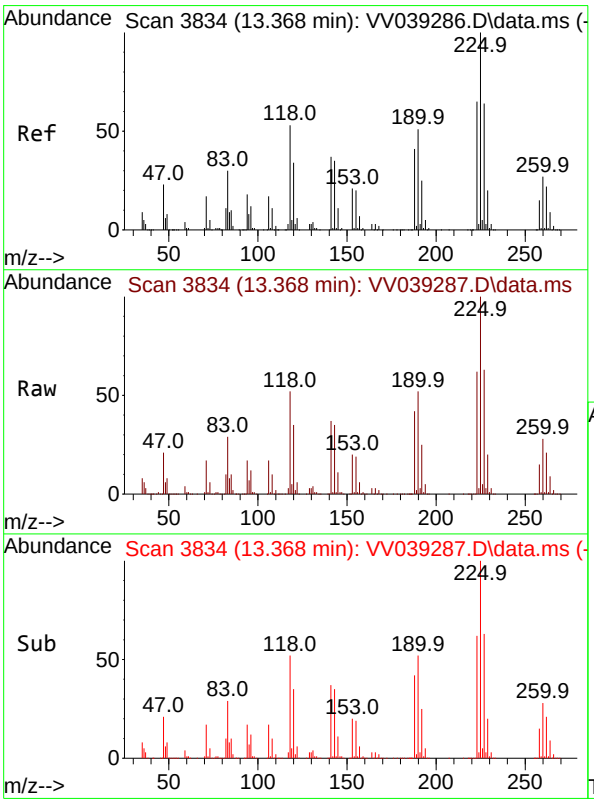
#93
1,2,4-Trichlorobenzene
Concen: 113.268 ug/l
RT: 13.184 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 1244317

Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	141.9
145	32.9	16.3	48.9

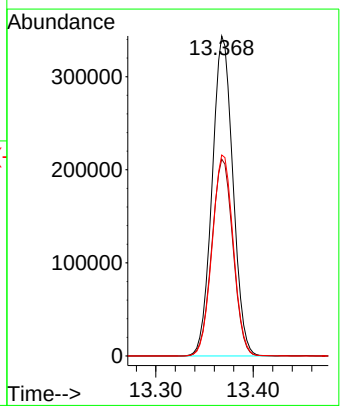


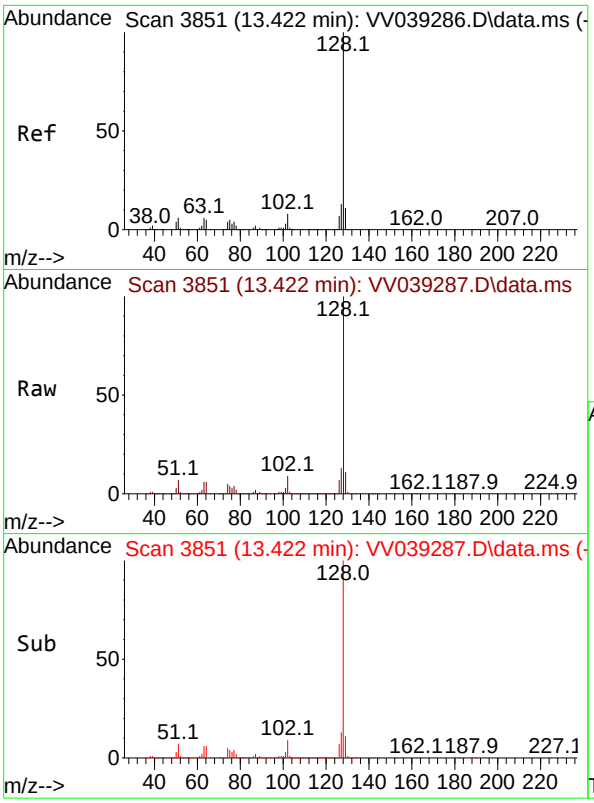


#94
Hexachlorobutadiene
Concen: 91.466 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:225 Resp: 508802

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.3	93.8
227	63.9	31.7	95.1



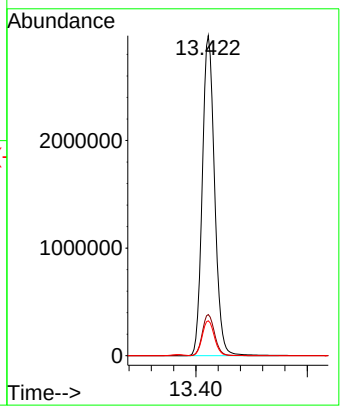


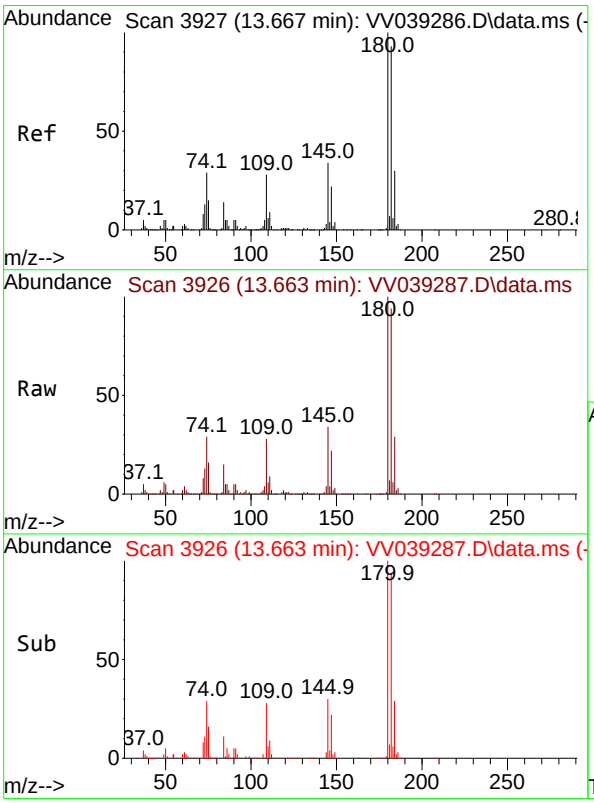
#95
Naphthalene
Concen: 126.683 ug/l
RT: 13.422 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 4559594

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	12.8

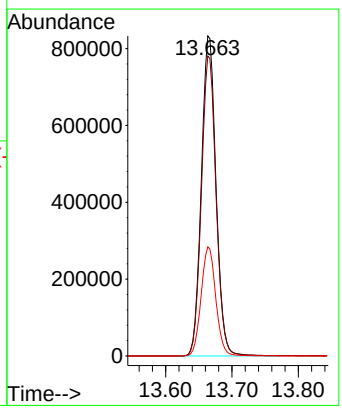




#96
1,2,3-Trichlorobenzene
Concen: 112.009 ug/l
RT: 13.663 min Scan# 3926
Delta R.T. -0.003 min
Lab File: VV039287.D
Acq: 07 Oct 2025 11:32

Tgt Ion:180 Resp: 1278887

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.7	140.1
145	34.1	17.2	51.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	680250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1088696	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1040306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	603412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	481511	49.815	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 99.640%			
35) Dibromofluoromethane	4.500	113	412884	48.132	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 96.260%			
50) Toluene-d8	7.236	98	1454081	49.827	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 99.660%			
62) 4-Bromofluorobenzene	10.001	95	544233	52.365	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 104.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	398736	46.376	ug/l	99
3) Chloromethane	1.230	50	396382	44.282	ug/l	99
4) Vinyl Chloride	1.297	62	441326	43.215	ug/l	100
5) Bromomethane	1.494	94	303068	45.740	ug/l	97
6) Chloroethane	1.558	64	274130	48.557	ug/l	99
7) Trichlorofluoromethane	1.725	101	657569	42.149	ug/l	99
8) Diethyl Ether	1.918	74	255032	45.237	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	398112	42.617	ug/l	100
10) Methyl Iodide	2.198	142	428916	53.291	ug/l	99
11) Tert butyl alcohol	2.571	59	453944	242.332	ug/l	100
12) 1,1-Dichloroethene	2.082	96	379351	41.358	ug/l	99
13) Acrolein	2.008	56	292300	270.420	ug/l	100
14) Allyl chloride	2.358	41	643837	44.280	ug/l	99
15) Acrylonitrile	2.674	53	1264783	227.676	ug/l	99
16) Acetone	2.121	43	1095712	243.690	ug/l	100
17) Carbon Disulfide	2.252	76	1052786	40.636	ug/l	100
18) Methyl Acetate	2.381	43	620740	49.559	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	1305511	47.288	ug/l	98
20) Methylene Chloride	2.458	84	442430	51.647	ug/l	100
21) trans-1,2-Dichloroethene	2.699	96	397405	41.150	ug/l	99
22) Diisopropyl ether	3.217	45	1266524	48.515	ug/l	96
23) Vinyl Acetate	3.188	43	5639411	246.068	ug/l	100
24) 1,1-Dichloroethane	3.117	63	748832	42.816	ug/l	99
25) 2-Butanone	3.866	43	1522527	257.562	ug/l	99
26) 2,2-Dichloropropane	3.812	77	603192	42.820	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	461918	47.770	ug/l	98
28) Bromochloromethane	4.146	49	361200	48.442	ug/l	97
29) Tetrahydrofuran	4.239	42	1008916	266.937	ug/l	99
30) Chloroform	4.278	83	780635	43.769	ug/l	99
31) Cyclohexane	4.583	56	593052	46.556	ug/l	98
32) 1,1,1-Trichloroethane	4.513	97	677409	43.440	ug/l	99
36) 1,1-Dichloropropene	4.744	75	492718	45.731	ug/l	99
37) Ethyl Acetate	3.976	43	585358	46.408	ug/l	98
38) Carbon Tetrachloride	4.735	117	573415	43.684	ug/l	98
39) Methylcyclohexane	6.046	83	606545	49.258	ug/l	98
40) Benzene	5.011	78	1609624	46.558	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	276470	51.206	ug/l	98
42) 1,2-Dichloroethane	5.040	62	548560	45.210	ug/l	99
43) Isopropyl Acetate	5.194	43	873224	52.879	ug/l	99
44) Trichloroethene	5.831	130	389754	44.830	ug/l	96
45) 1,2-Dichloropropane	6.088	63	415923	49.440	ug/l	97
46) Dibromomethane	6.226	93	321539	45.727	ug/l	98
47) Bromodichloromethane	6.426	83	634739	45.813	ug/l	100
48) Methyl methacrylate	6.297	41	416502	54.443	ug/l	100
49) 1,4-Dioxane	6.291	88	150148	1179.813	ug/l	94
51) 4-Methyl-2-Pentanone	7.149	43	3077518	268.622	ug/l	100
52) Toluene	7.307	92	1028063	49.249	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	617453	50.992	ug/l	98
54) cis-1,3-Dichloropropene	6.947	75	674300	50.088	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	439297	46.606	ug/l	99
56) Ethyl methacrylate	7.715	69	632075	59.189	ug/l	99
57) 1,3-Dichloropropane	7.934	76	699121	49.151	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.812	63	1615393	249.980	ug/l	100
59) 2-Hexanone	8.062	43	2327647	276.742	ug/l	99
60) Dibromochloromethane	8.169	129	509675	46.246	ug/l	99
61) 1,2-Dibromoethane	8.271	107	475021	48.399	ug/l	99
64) Tetrachloroethene	7.895	164	342936	45.191	ug/l	98
65) Chlorobenzene	8.805	112	1145718	46.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	415835	45.078	ug/l	99
67) Ethyl Benzene	8.937	91	1867580	51.482	ug/l	99
68) m/p-Xylenes	9.062	106	1524093	105.928	ug/l	98
69) o-Xylene	9.468	106	694597	54.666	ug/l	98
70) Styrene	9.484	104	1290477	57.079	ug/l	100
71) Bromoform	9.654	173	362598	48.605	ug/l	100
73) Isopropylbenzene	9.857	105	1861757	50.809	ug/l	100
74) N-amyl acetate	9.725	43	782933	51.855	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.165	83	717810	42.658	ug/l	99
76) 1,2,3-Trichloropropane	10.197	75	545285	45.277	ug/l	100
77) Bromobenzene	10.140	156	480152	47.667	ug/l	98
78) n-propylbenzene	10.278	91	2259240	50.814	ug/l	100
79) 2-Chlorotoluene	10.349	91	1363973	49.689	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	1606972	52.291	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	242777	50.910	ug/l	99
82) 4-Chlorotoluene	10.461	91	1605935	50.899	ug/l	99
83) tert-Butylbenzene	10.789	119	1540578	50.486	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1613704	53.340	ug/l	100
85) sec-Butylbenzene	11.011	105	1980923	51.343	ug/l	100
86) p-Isopropyltoluene	11.165	119	1696099	51.129	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	940381	46.805	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	973562	43.297	ug/l	99
89) n-Butylbenzene	11.580	91	1583094	51.246	ug/l	100
90) Hexachloroethane	11.818	117	342236	41.723	ug/l	100
91) 1,2-Dichlorobenzene	11.567	146	890154	46.575	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	155566	44.961	ug/l	100
93) 1,2,4-Trichlorobenzene	13.184	180	536155	50.299	ug/l	98
94) Hexachlorobutadiene	13.368	225	228537	42.341	ug/l	99
95) Naphthalene	13.422	128	1981591	56.741	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	563584	50.871	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

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

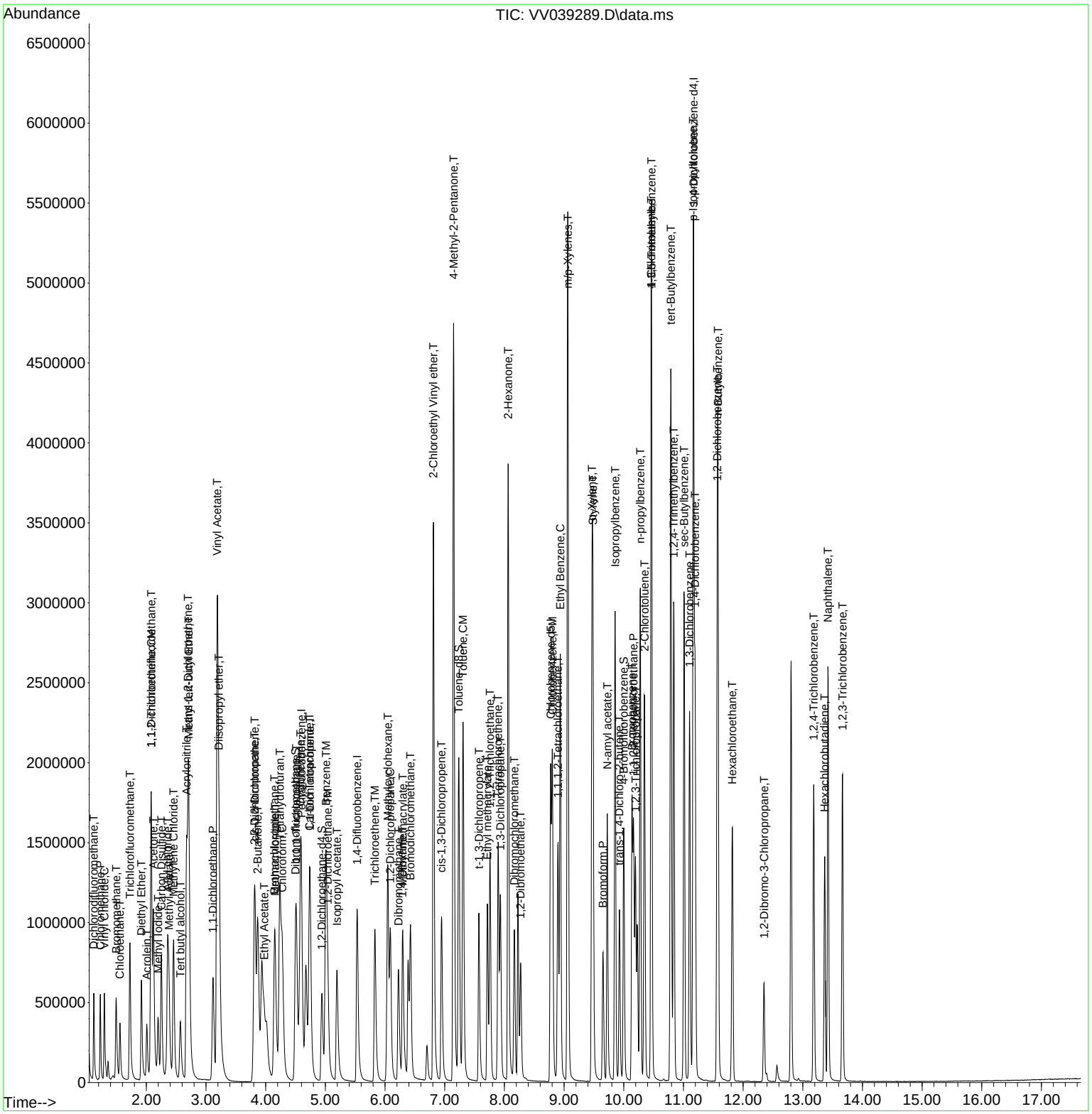
(#) = qualifier out of range (m) = manual integration (+) = signals summed

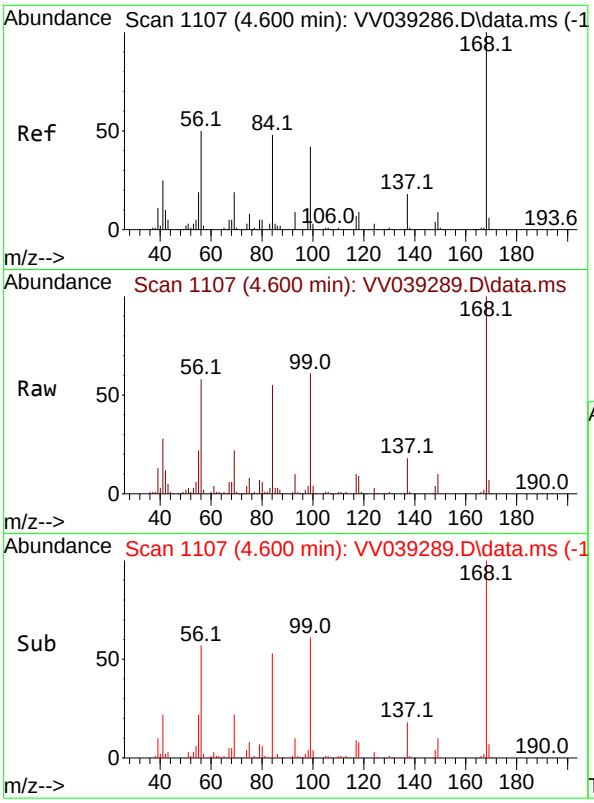
ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



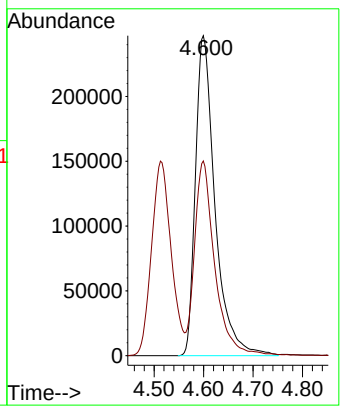


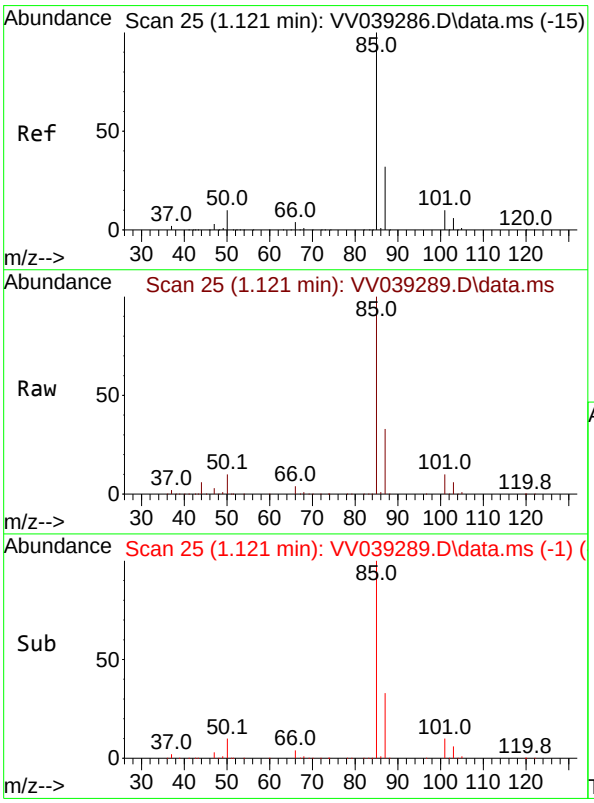
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:168 Resp: 680250

Ion	Ratio	Lower	Upper
168	100		
99	60.5	46.6	70.0

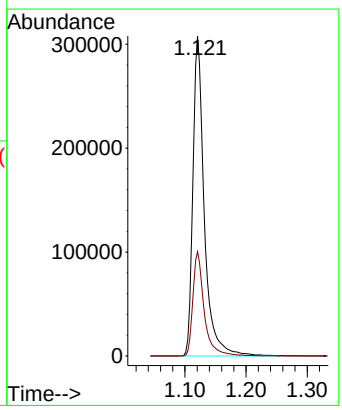




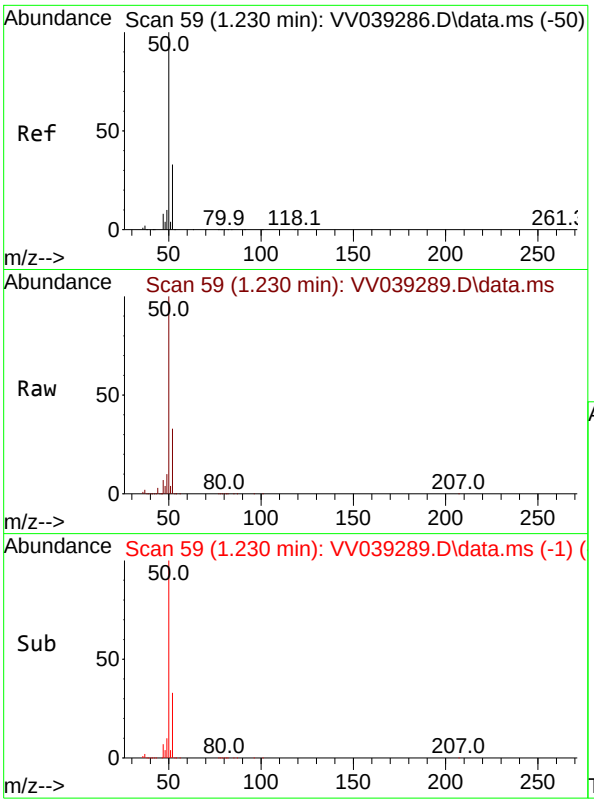
#2
Dichlorodifluoromethane
Concen: 46.376 ug/l
RT: 1.121 min Scan# 25
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 85 Resp: 398736

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.1	48.2



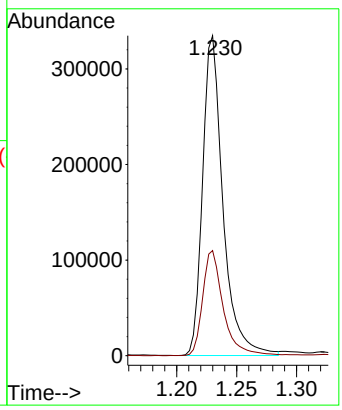
Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

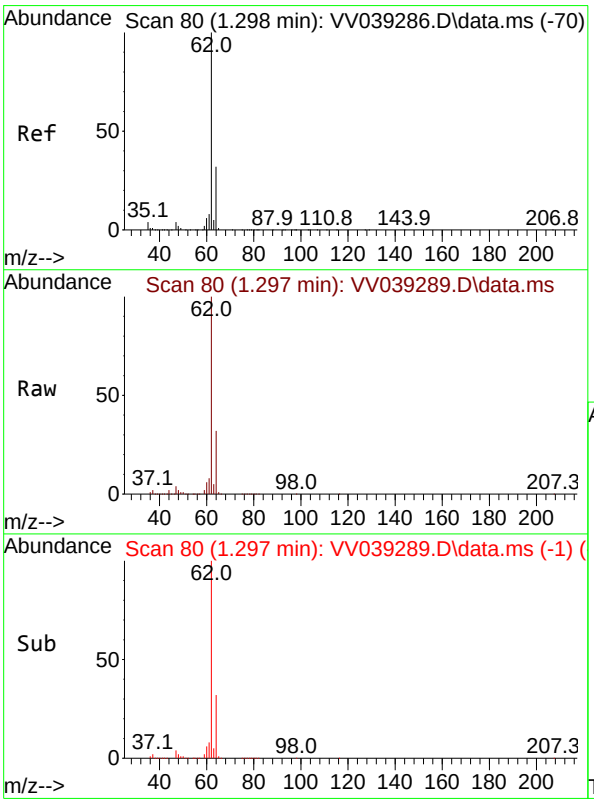


#3
Chloromethane
Concen: 44.282 ug/l
RT: 1.230 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 50 Resp: 396382

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.6	39.8

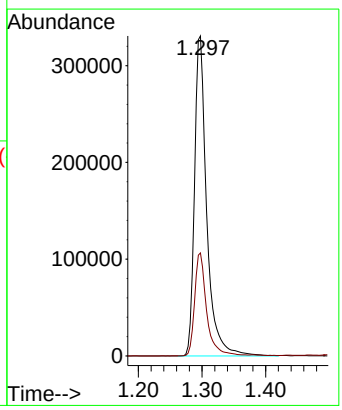


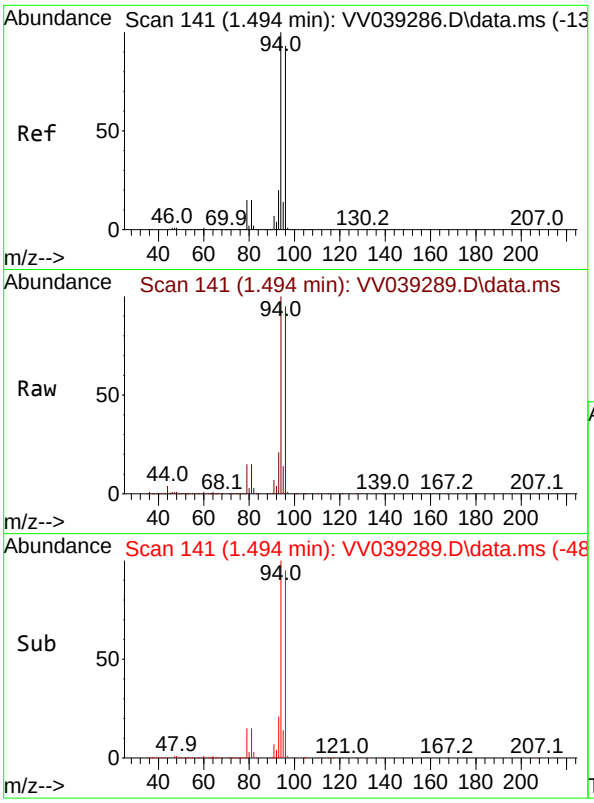


#4
Vinyl Chloride
Concen: 43.215 ug/l
RT: 1.297 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 62 Resp: 441326

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.8	38.6



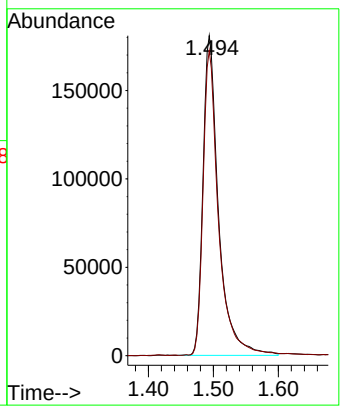


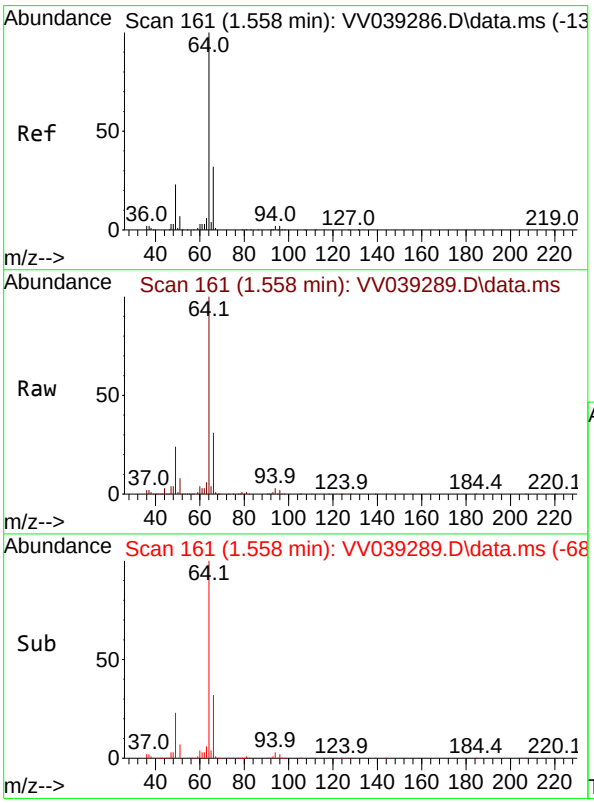
#5
Bromomethane
Concen: 45.740 ug/l
RT: 1.494 min Scan# 14
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 94 Resp: 303068

Ion	Ratio	Lower	Upper
94	100		
96	95.3	74.2	111.2

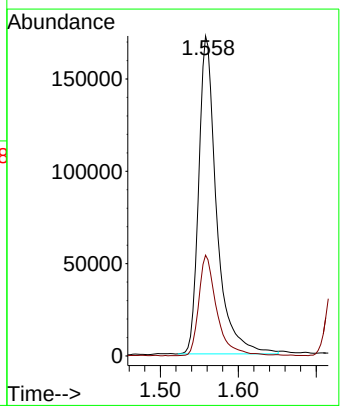


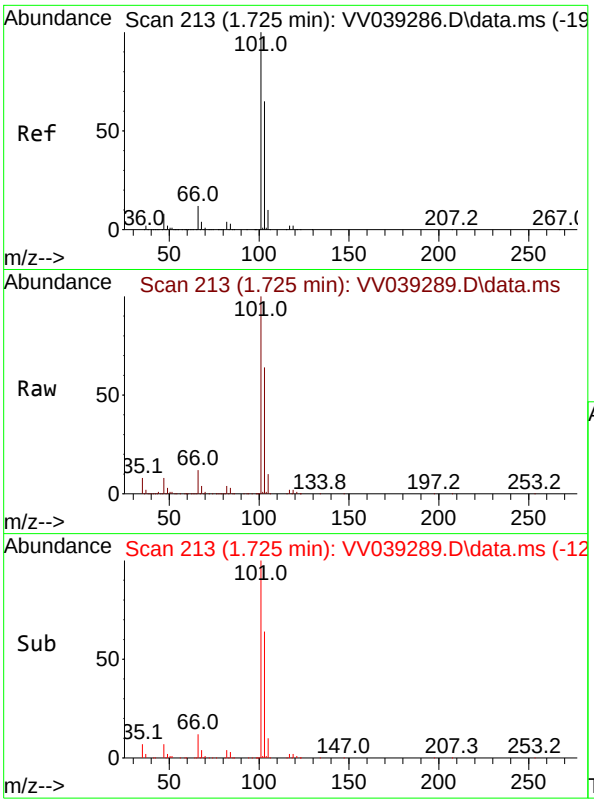


#6
Chloroethane
Concen: 48.557 ug/l
RT: 1.558 min Scan# 161
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 64 Resp: 274130

Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.7	38.5



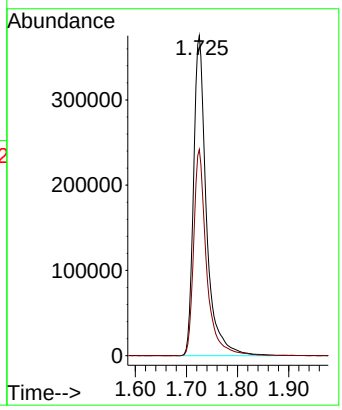


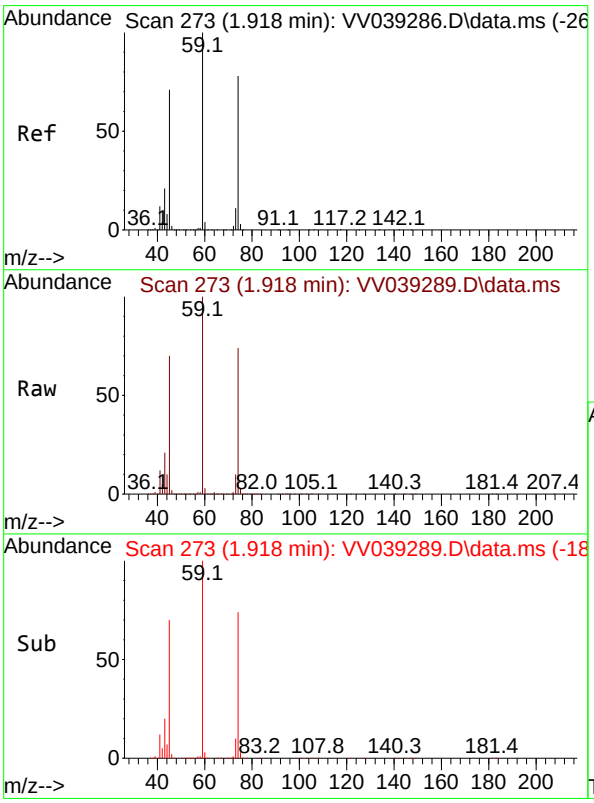
#7
Trichlorofluoromethane
Concen: 42.149 ug/l
RT: 1.725 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:101 Resp: 657569

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.0	78.0

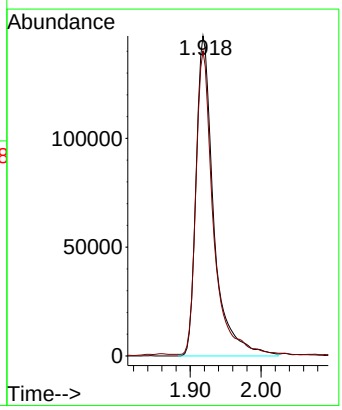


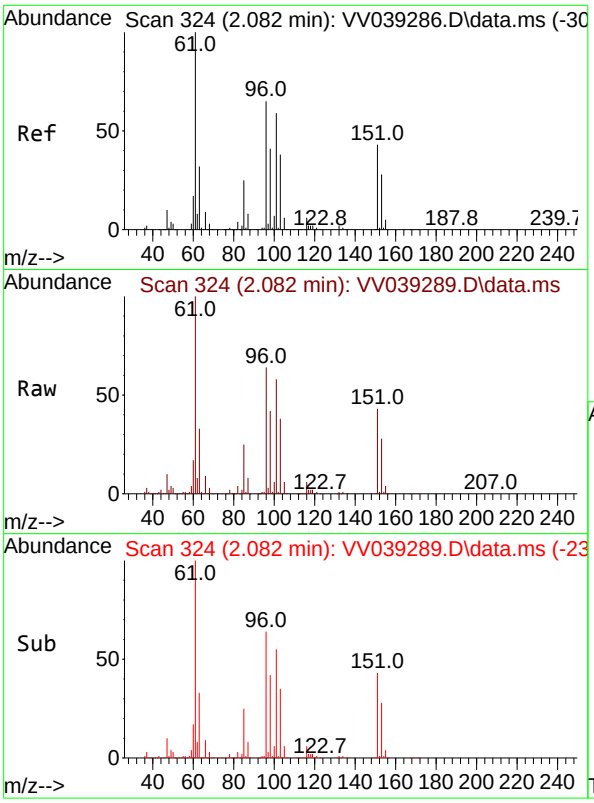


#8
Diethyl Ether
Concen: 45.237 ug/l
RT: 1.918 min Scan# 273
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 74 Resp: 255032

Ion	Ratio	Lower	Upper
74	100		
45	93.3	45.9	137.7



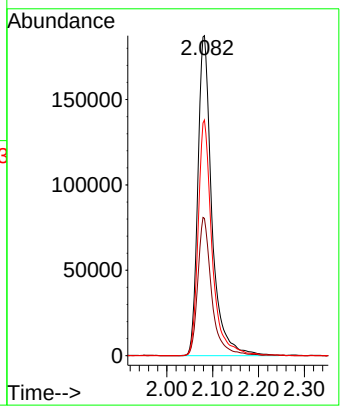


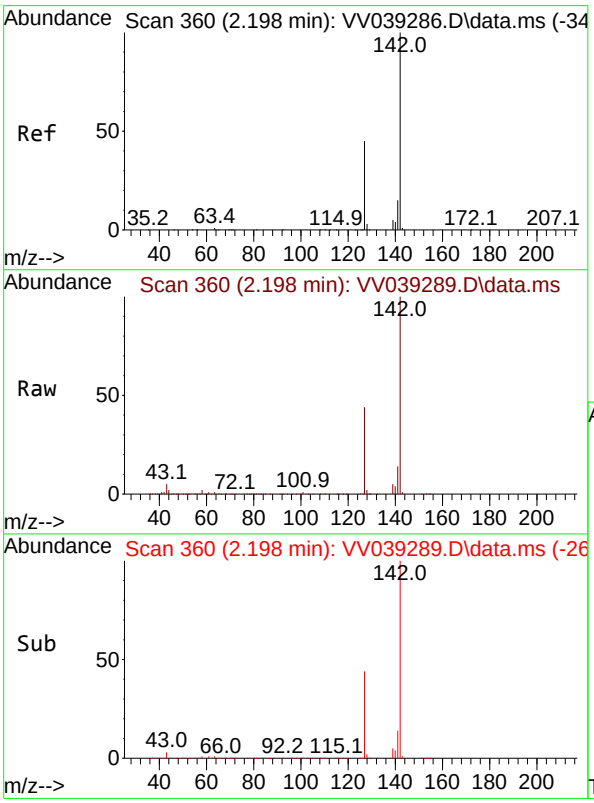
#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.617 ug/l
RT: 2.082 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:101 Resp: 398112

Ion	Ratio	Lower	Upper
101	100		
85	42.7	34.0	51.0
151	73.2	58.5	87.7

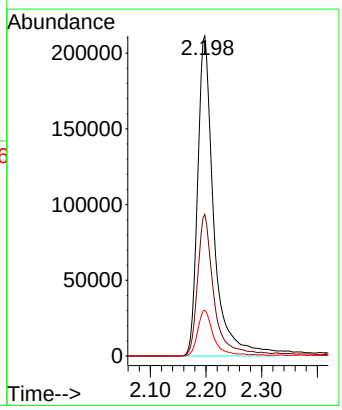


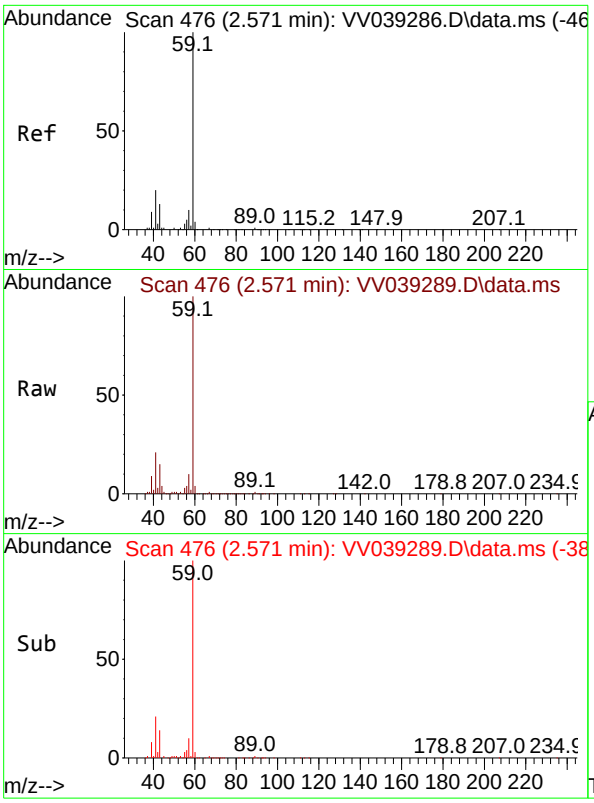


#10
Methyl Iodide
Concen: 53.291 ug/l
RT: 2.198 min Scan# 360
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:142 Resp: 428916

Ion	Ratio	Lower	Upper
142	100		
127	44.1	35.5	53.3
141	13.7	11.5	17.3



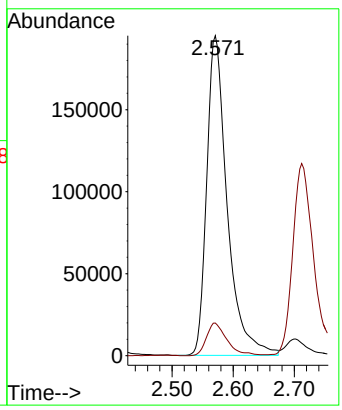


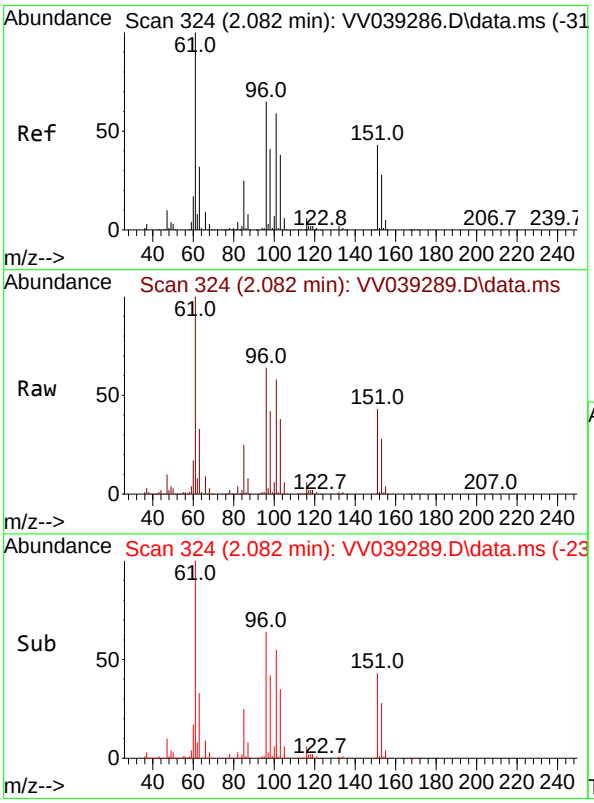
#11
Tert butyl alcohol
Concen: 242.332 ug/l
RT: 2.571 min Scan# 4
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 59 Resp: 453944

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

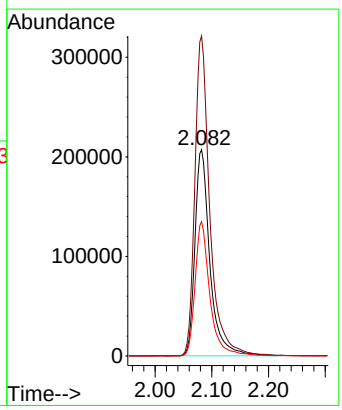


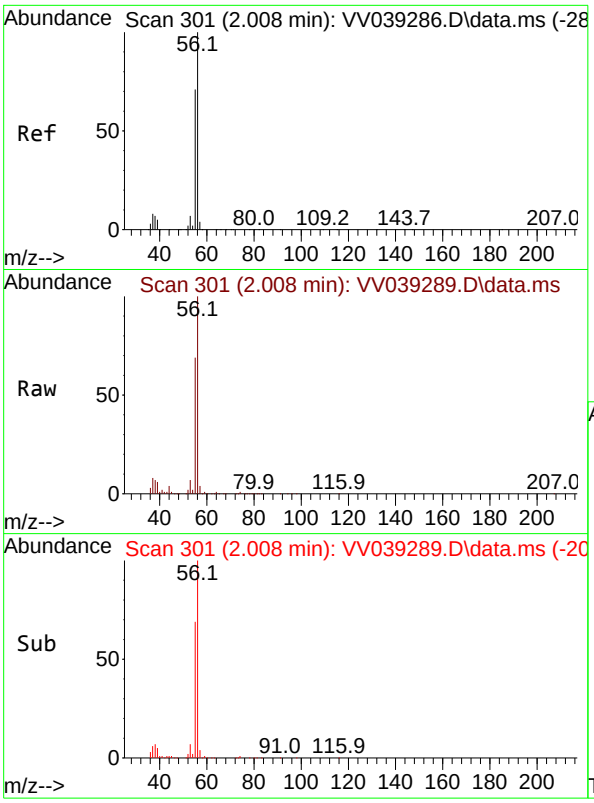


#12
1,1-Dichloroethene
Concen: 41.358 ug/l
RT: 2.082 min Scan# 324
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 96 Resp: 379351

Ion	Ratio	Lower	Upper
96	100		
61	155.2	123.6	185.4
98	65.1	51.1	76.7



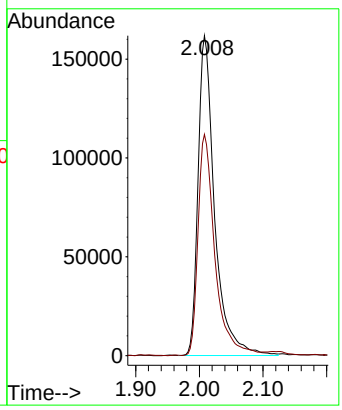


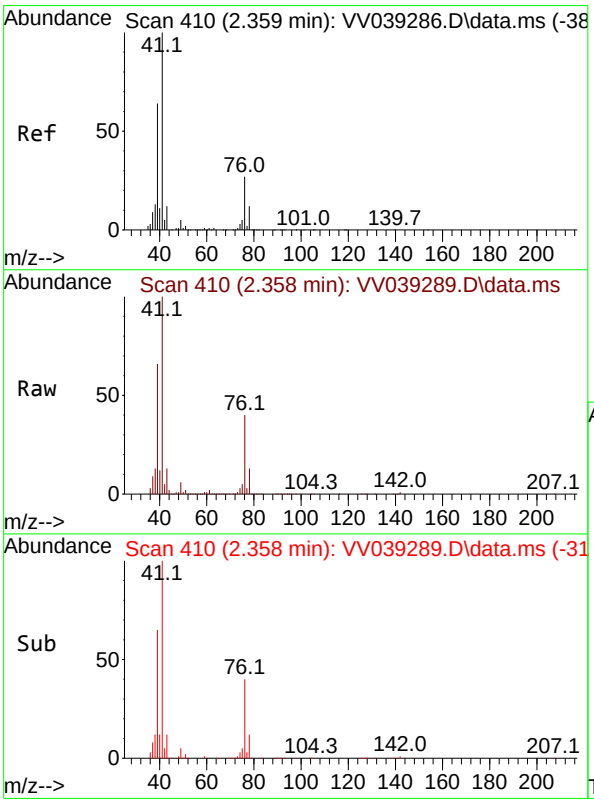
#13
Acrolein
Concen: 270.420 ug/l
RT: 2.008 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 56 Resp: 292300

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

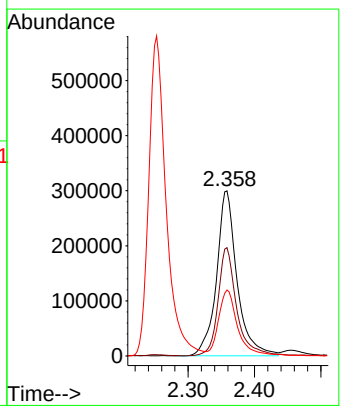


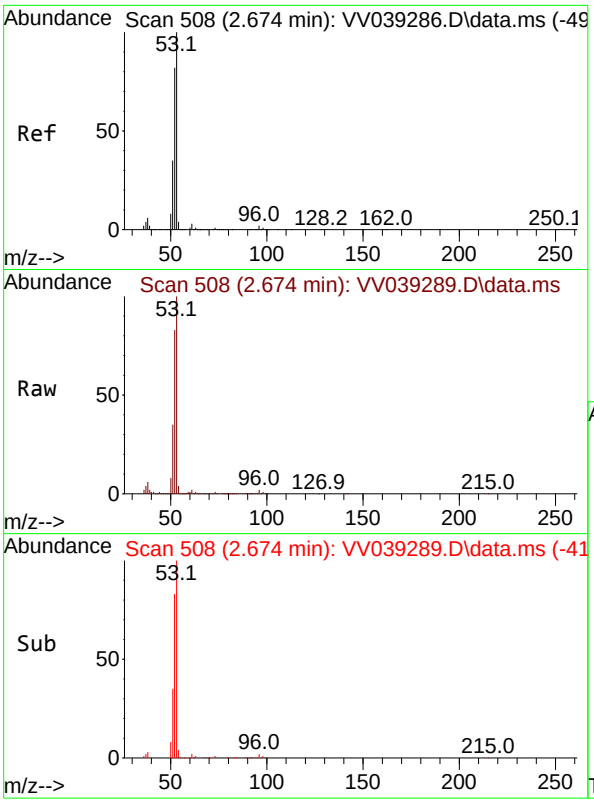


#14
Allyl chloride
Concen: 44.280 ug/l
RT: 2.358 min Scan# 410
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 41 Resp: 643837

Ion	Ratio	Lower	Upper
41	100		
39	59.5	47.8	71.6
76	36.4	30.2	45.2



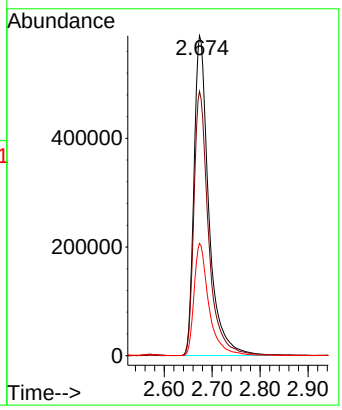


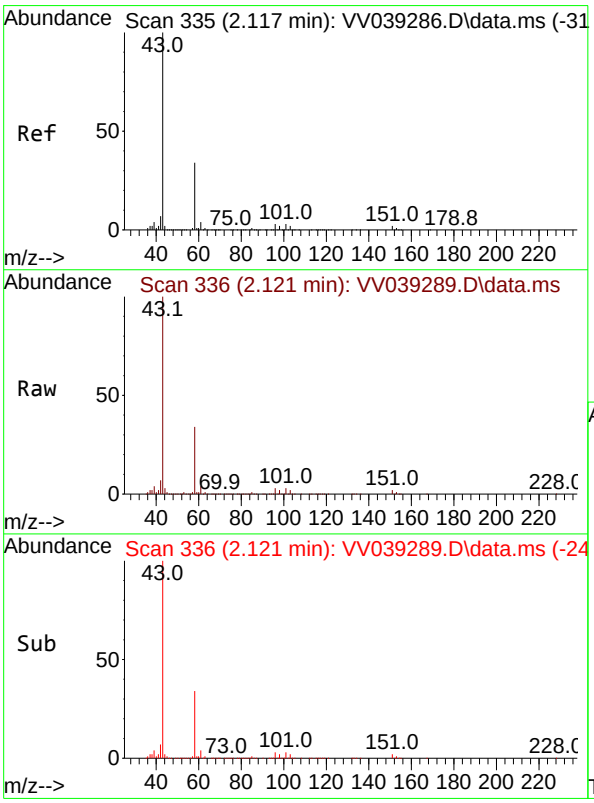
#15
Acrylonitrile
Concen: 227.676 ug/l
RT: 2.674 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 53 Resp: 1264783

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.0	97.6
51	35.0	27.9	41.9

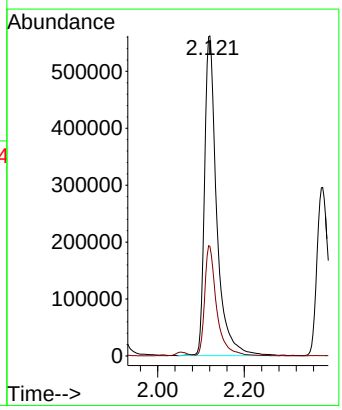


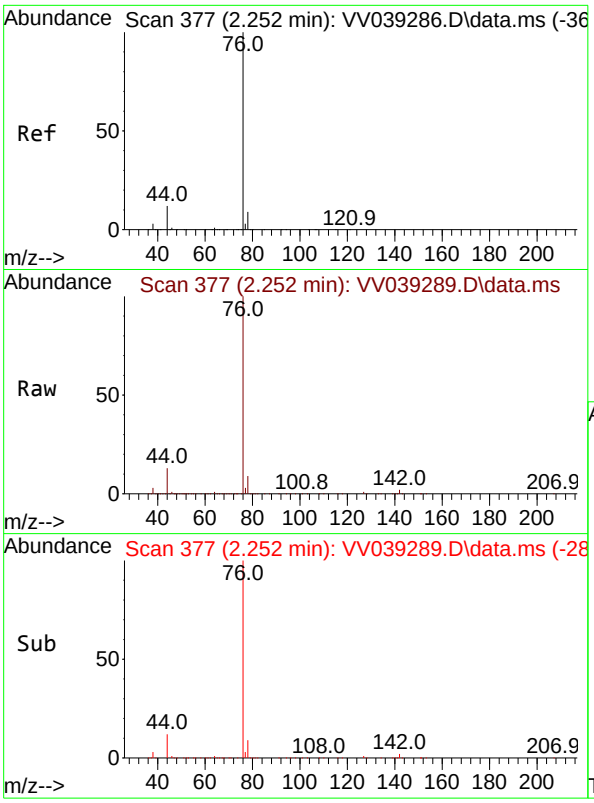


#16
Acetone
Concen: 243.690 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 43 Resp: 1095712

Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.5	41.3



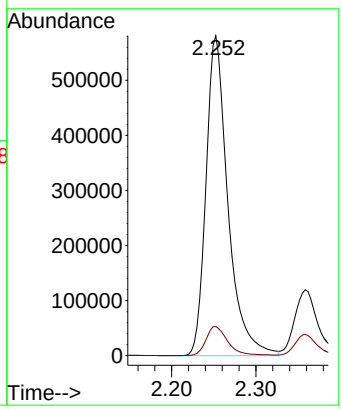


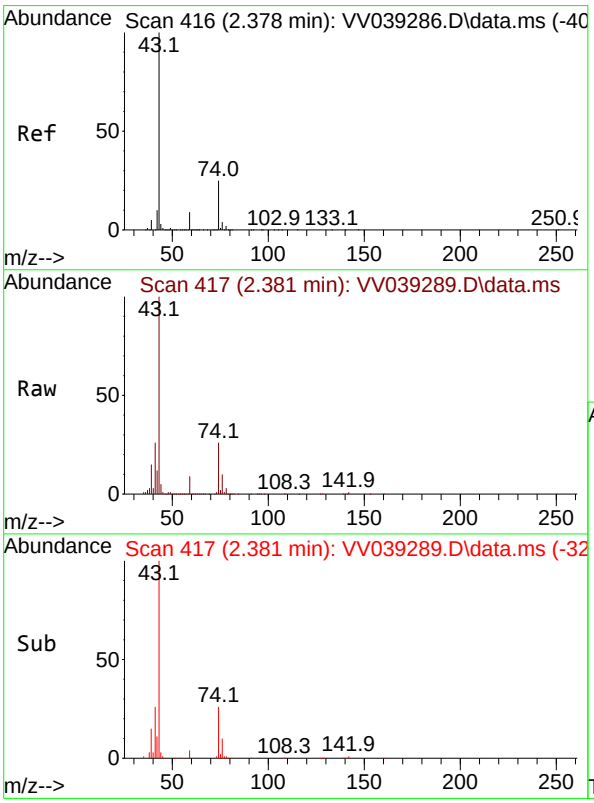
#17
Carbon Disulfide
Concen: 40.636 ug/l
RT: 2.252 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 76 Resp: 1052786

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

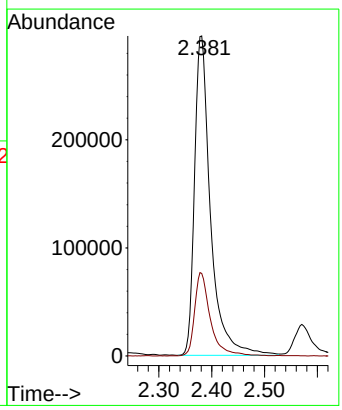


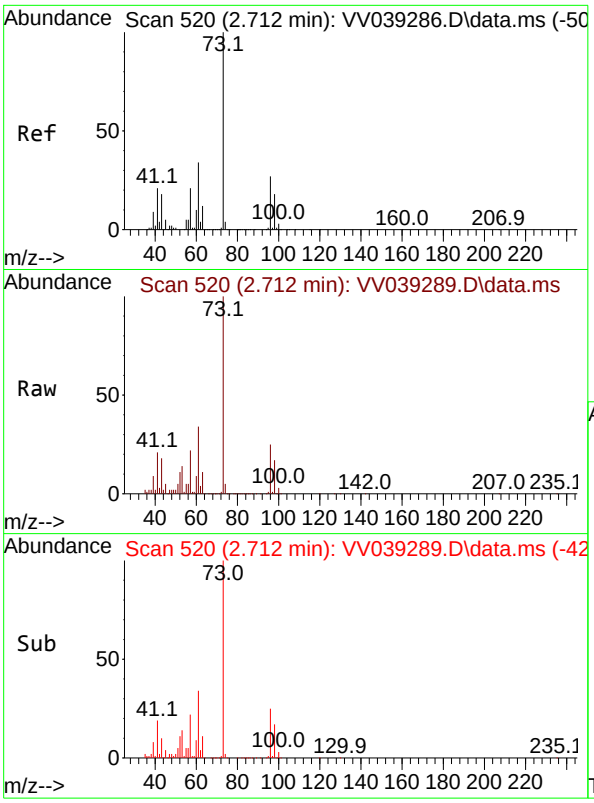


#18
Methyl Acetate
Concen: 49.559 ug/l
RT: 2.381 min Scan# 417
Delta R.T. 0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 43 Resp: 620740

Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.5	29.3



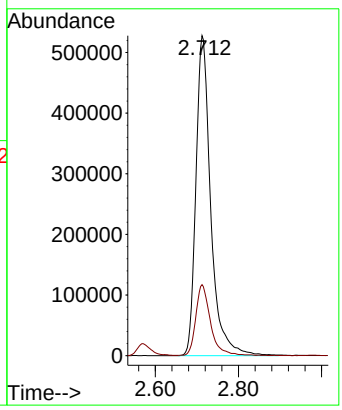


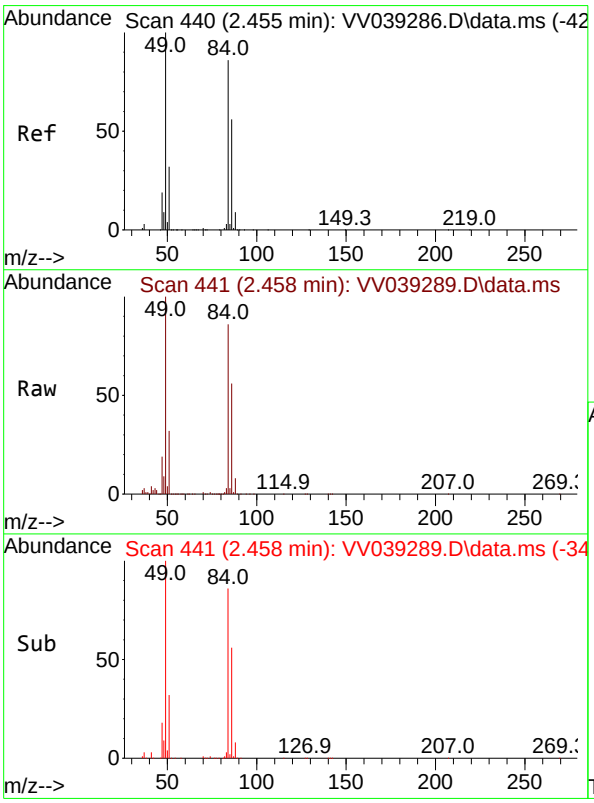
#19
Methyl tert-butyl Ether
Concen: 47.288 ug/l
RT: 2.712 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 73 Resp: 1305511

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.0	25.6

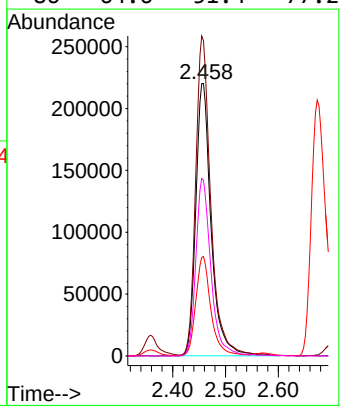


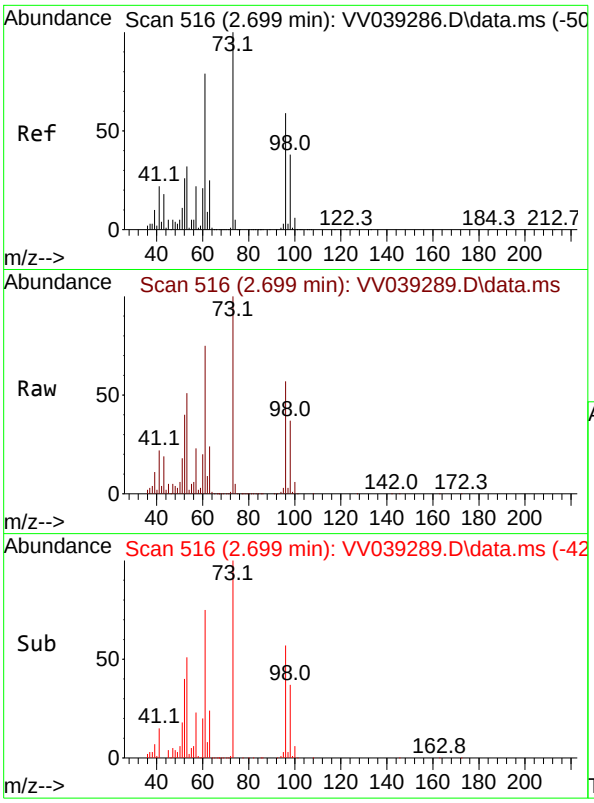


#20
Methylene Chloride
Concen: 51.647 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 84 Resp: 442430

Ion	Ratio	Lower	Upper
84	100		
49	115.5	92.6	139.0
51	36.4	29.6	44.4
86	64.6	51.4	77.2



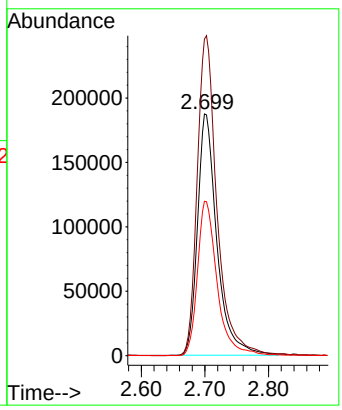


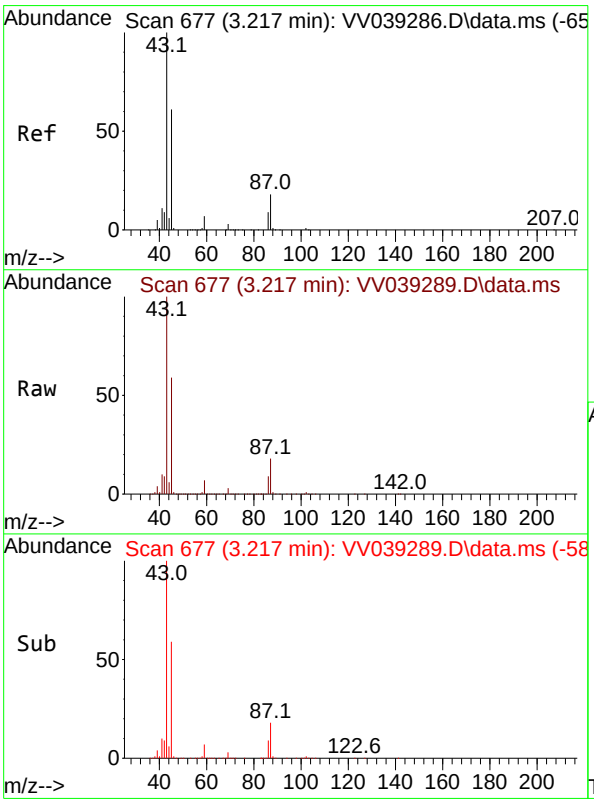
#21
trans-1,2-Dichloroethene
Concen: 41.150 ug/l
RT: 2.699 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 96 Resp: 397405

Ion	Ratio	Lower	Upper
96	100		
61	131.1	106.8	160.2
98	63.9	51.1	76.7

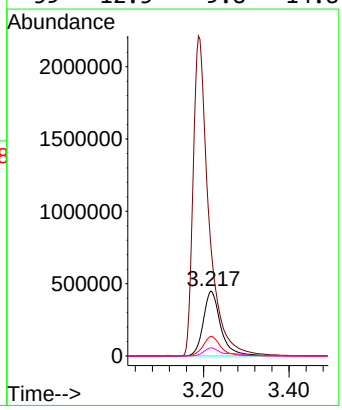


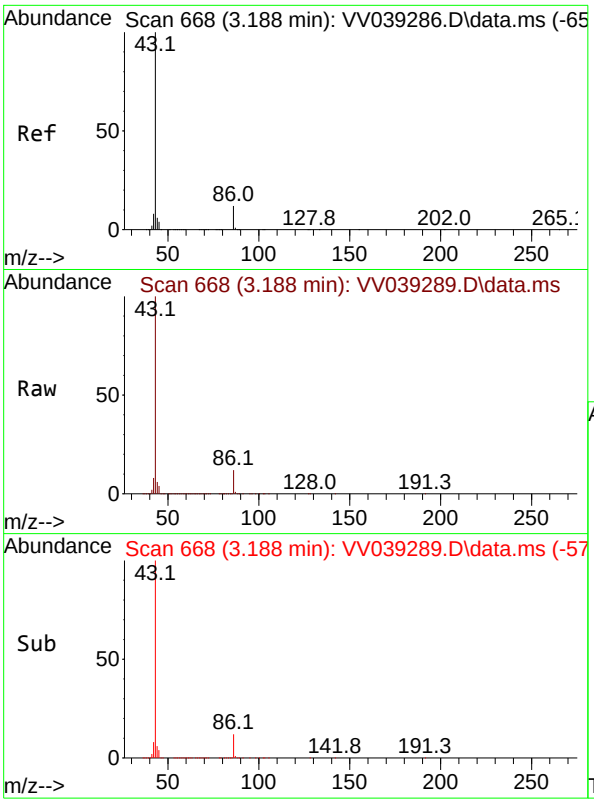


#22
Diisopropyl ether
Concen: 48.515 ug/l
RT: 3.217 min Scan# 677
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 45 Resp: 1266524

Ion	Ratio	Lower	Upper
45	100		
43	169.9	130.8	196.2
87	30.1	23.8	35.8
59	12.5	9.8	14.8



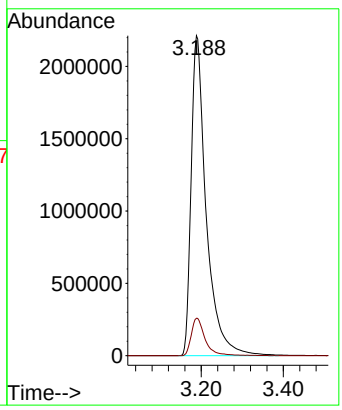


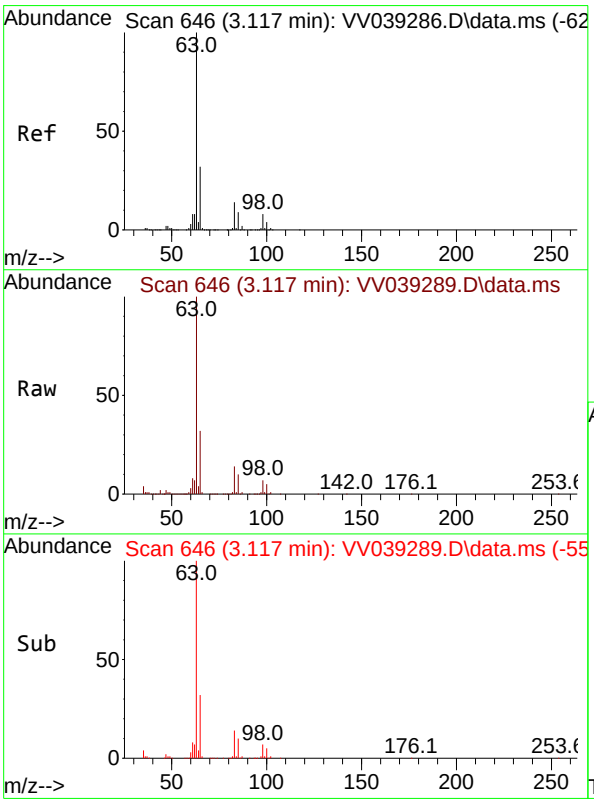
#23
Vinyl Acetate
Concen: 246.068 ug/l
RT: 3.188 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 43 Resp: 5639411

Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.4	14.2

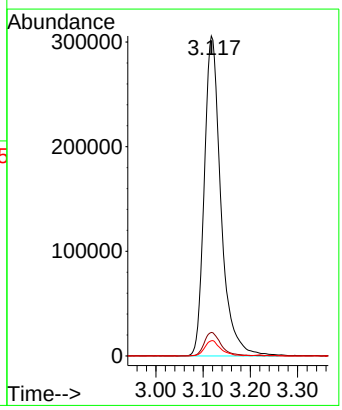


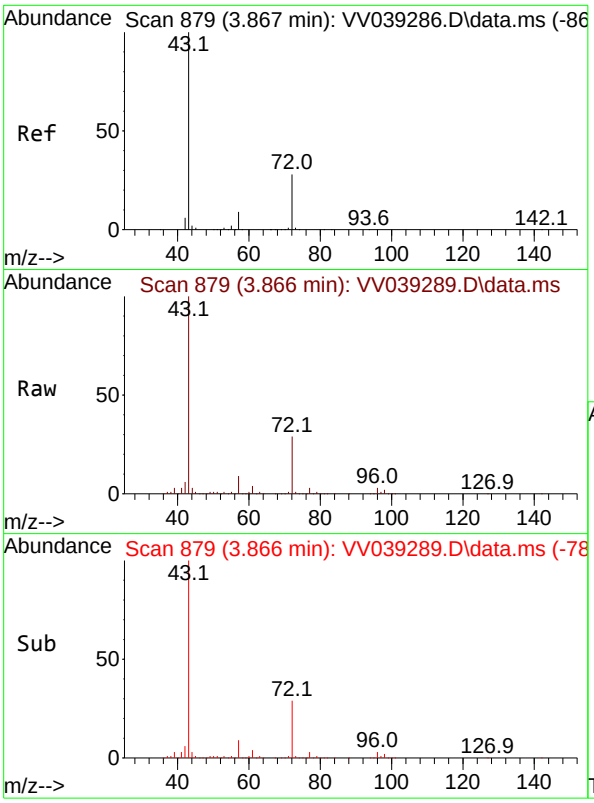


#24
1,1-Dichloroethane
Concen: 42.816 ug/l
RT: 3.117 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 63 Resp: 748832

Ion	Ratio	Lower	Upper
63	100		
98	7.3	4.0	12.0
100	4.7	2.3	6.8



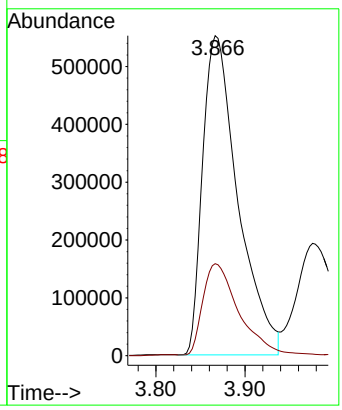


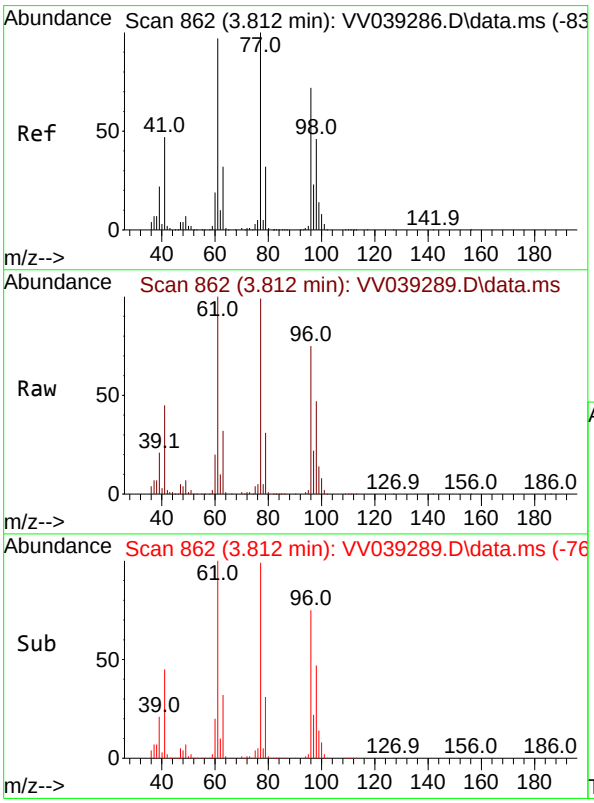
#25
2-Butanone
Concen: 257.562 ug/l
RT: 3.866 min Scan# 8
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 43 Resp: 1522527

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.6	34.0

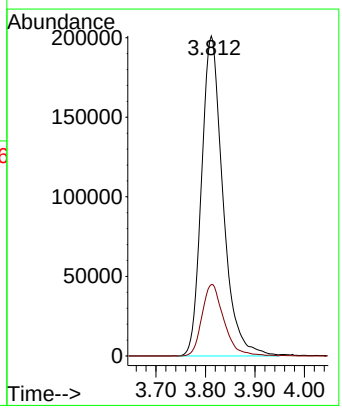


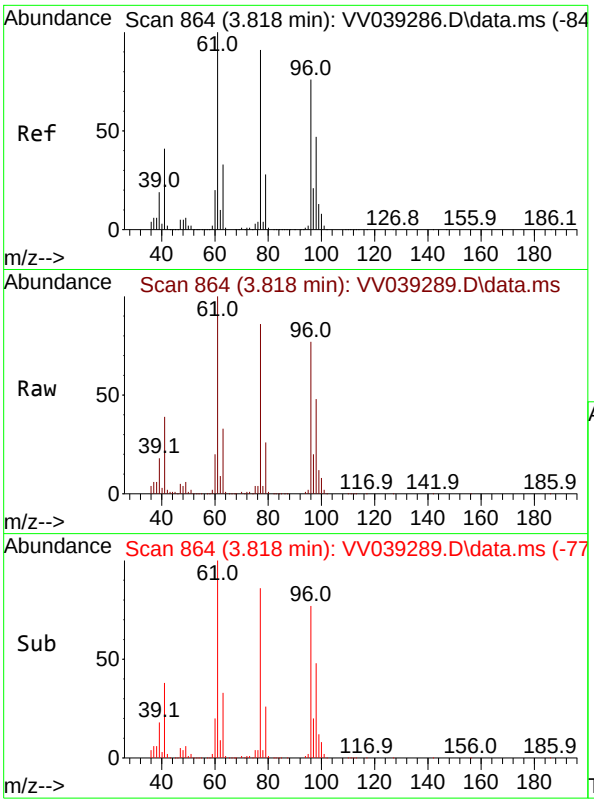


#26
2,2-Dichloropropane
Concen: 42.820 ug/l
RT: 3.812 min Scan# 862
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 77 Resp: 603192

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.6	34.8



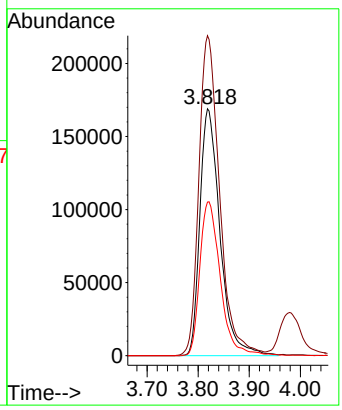


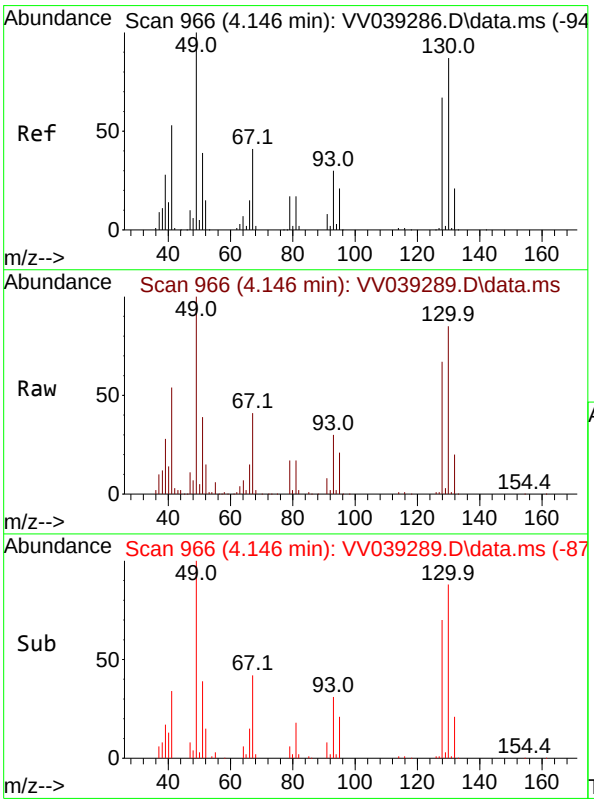
#27
cis-1,2-Dichloroethene
Concen: 47.770 ug/l
RT: 3.818 min Scan# 8
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 96 Resp: 461918

Ion	Ratio	Lower	Upper
96	100		
61	133.8	0.0	275.0
98	63.3	0.0	127.8

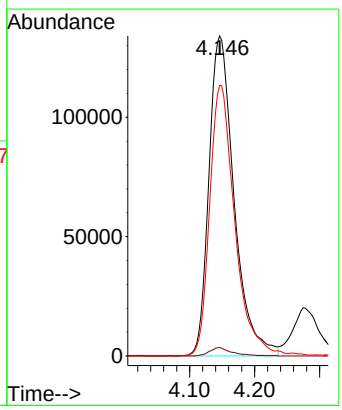


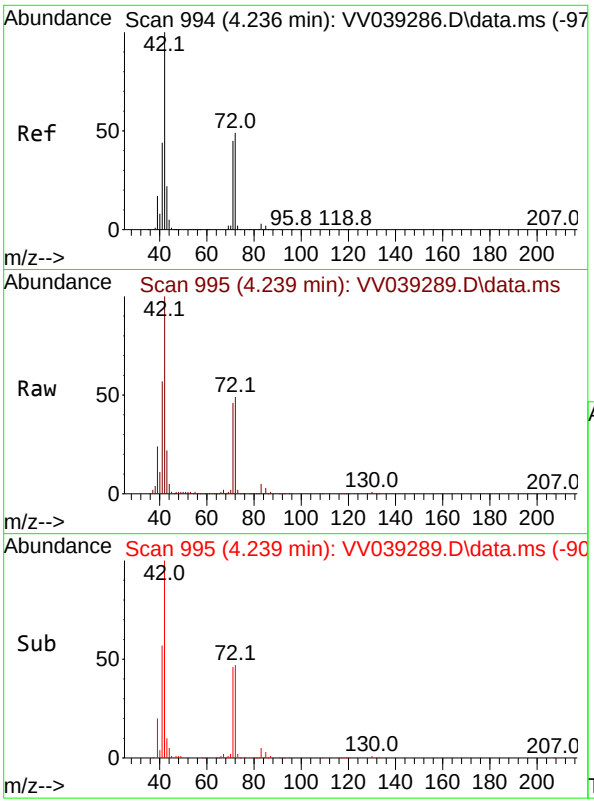


#28
Bromochloromethane
Concen: 48.442 ug/l
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 49 Resp: 361200

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	84.2	69.5	104.3



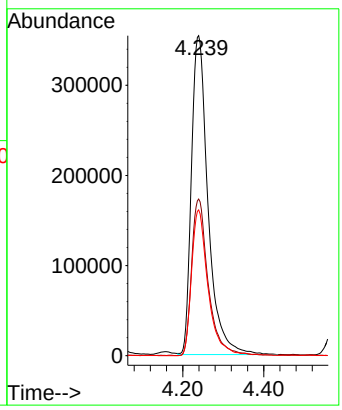


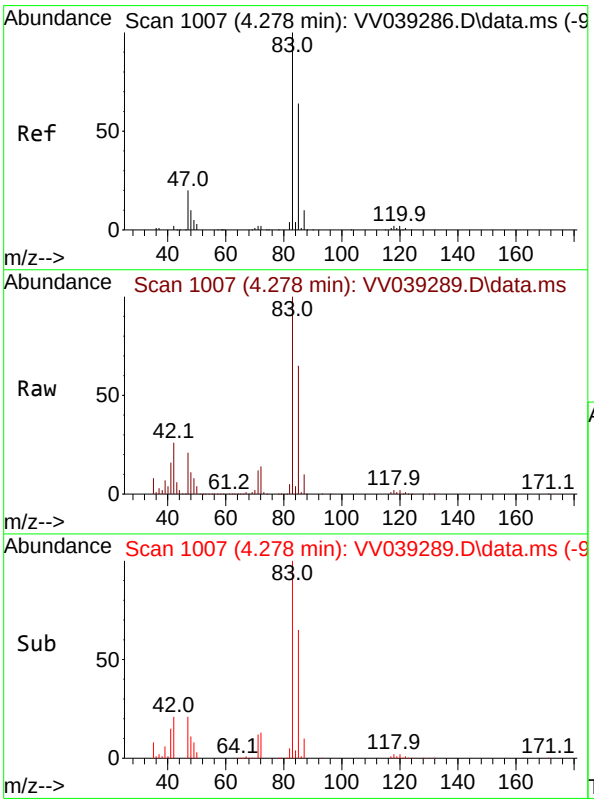
#29
Tetrahydrofuran
Concen: 266.937 ug/l
RT: 4.239 min Scan# 9
Delta R.T. 0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 42 Resp: 1008916

Ion	Ratio	Lower	Upper
42	100		
72	48.9	39.8	59.8
71	45.1	36.5	54.7

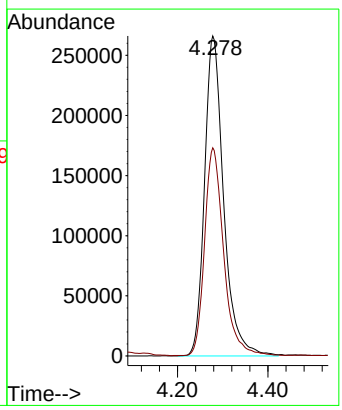


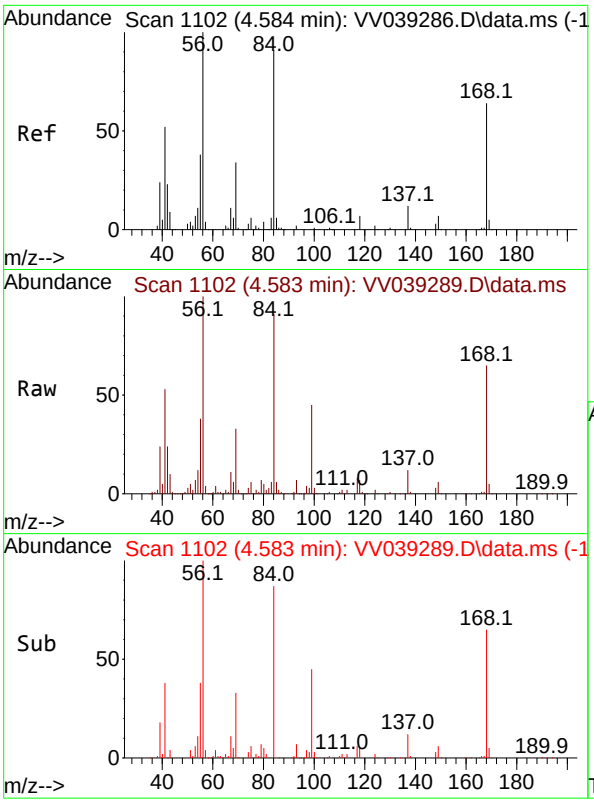


#30
Chloroform
Concen: 43.769 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 83 Resp: 780635

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7



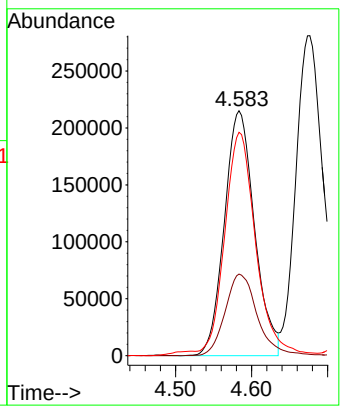


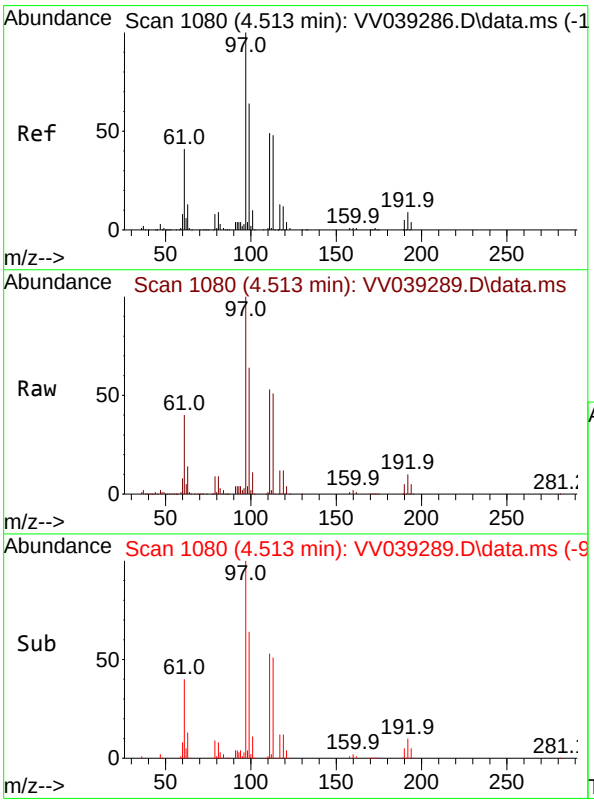
#31
Cyclohexane
Concen: 46.556 ug/l
RT: 4.583 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 56 Resp: 593052

Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.4	41.0
84	89.6	72.8	109.2

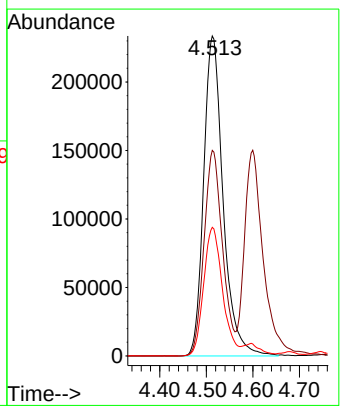


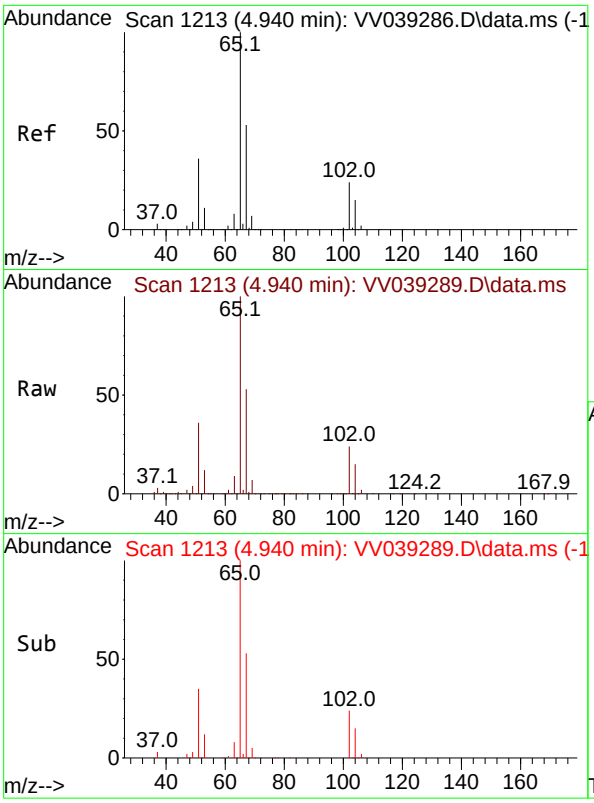


#32
1,1,1-Trichloroethane
Concen: 43.440 ug/l
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 97 Resp: 677409

Ion	Ratio	Lower	Upper
97	100		
99	60.9	48.6	72.8
61	39.1	31.8	47.8



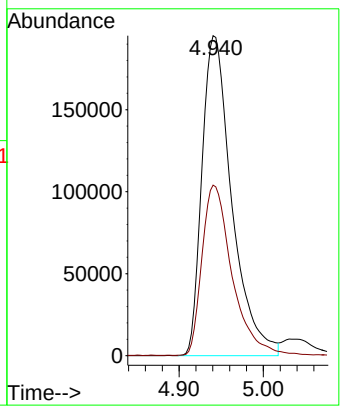


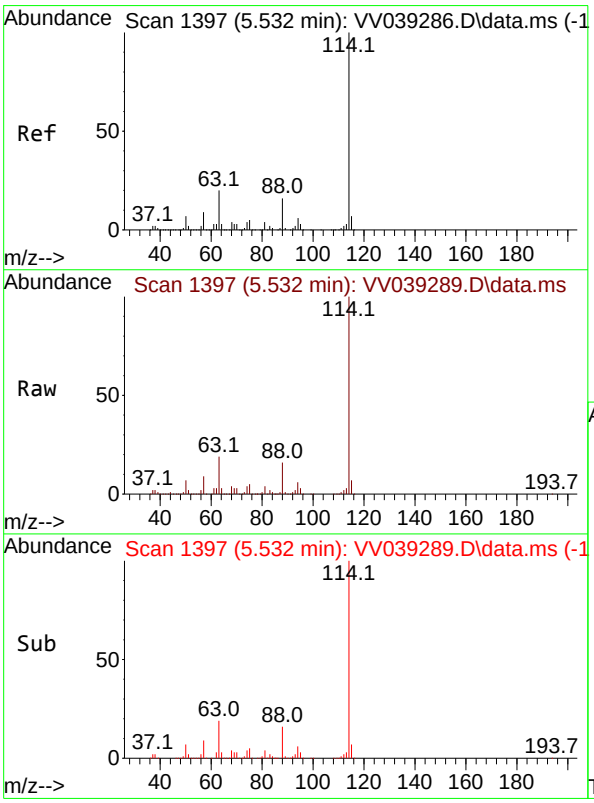
#33
1,2-Dichloroethane-d4
Concen: 49.815 ug/l
RT: 4.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 65 Resp: 481511

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4

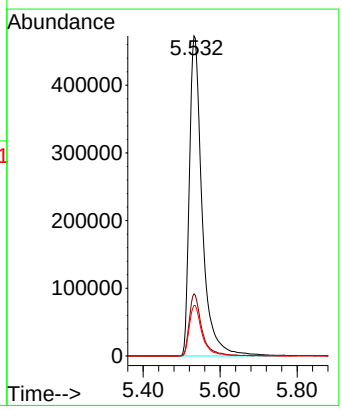


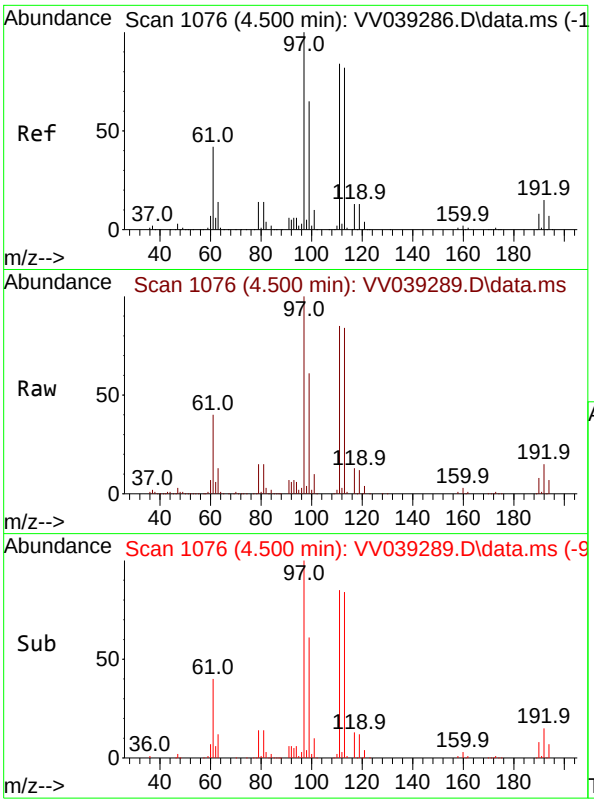


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:114 Resp: 1088696

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	15.8	0.0	31.6



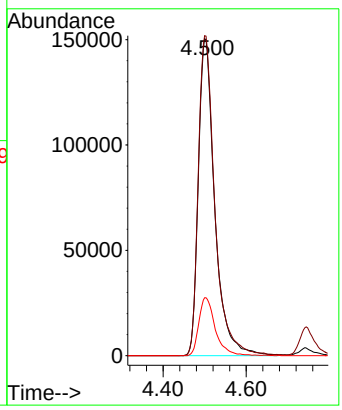


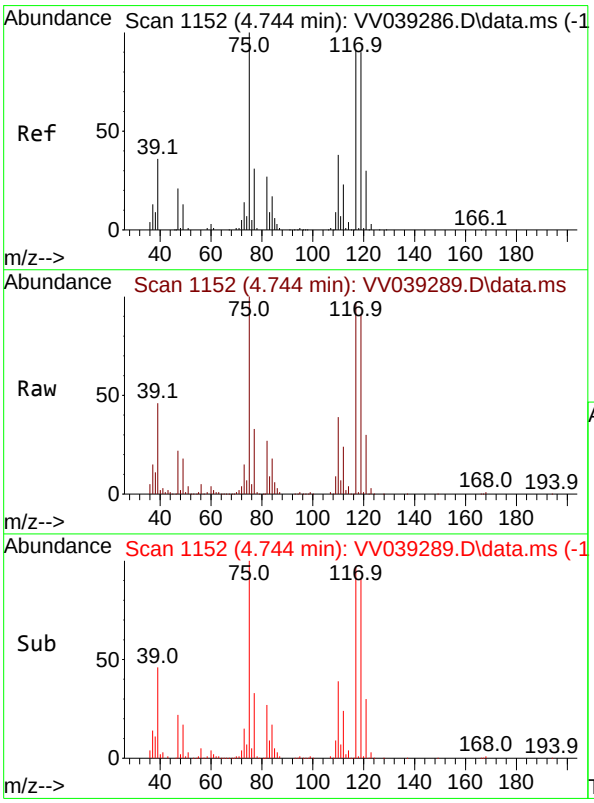
#35
Dibromofluoromethane
Concen: 48.132 ug/l
RT: 4.500 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:113 Resp: 412884

Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.0	123.0
192	18.3	14.3	21.5

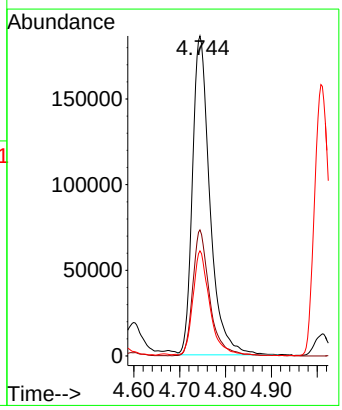


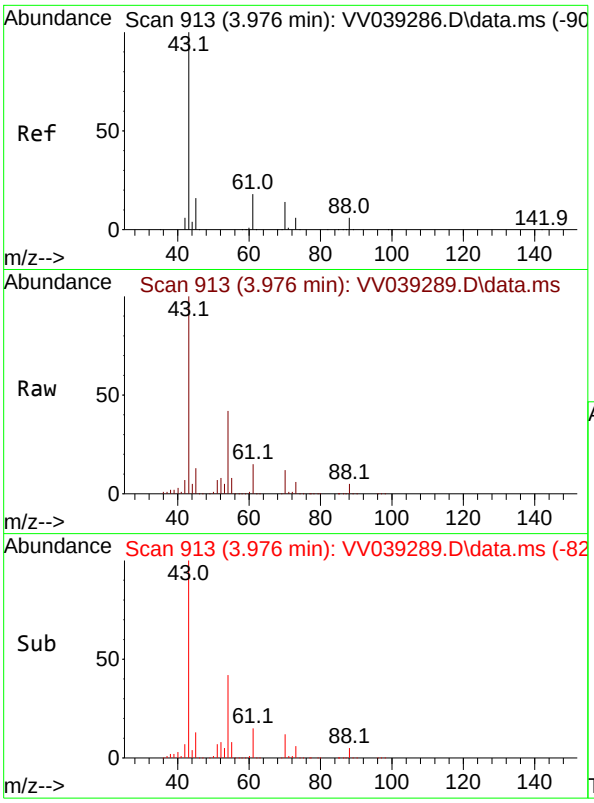


#36
1,1-Dichloropropene
Concen: 45.731 ug/l
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 75 Resp: 492718

Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.9	56.7
77	30.7	24.1	36.1



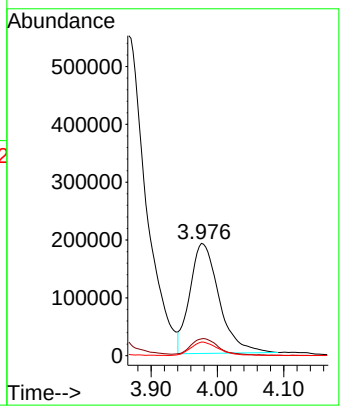


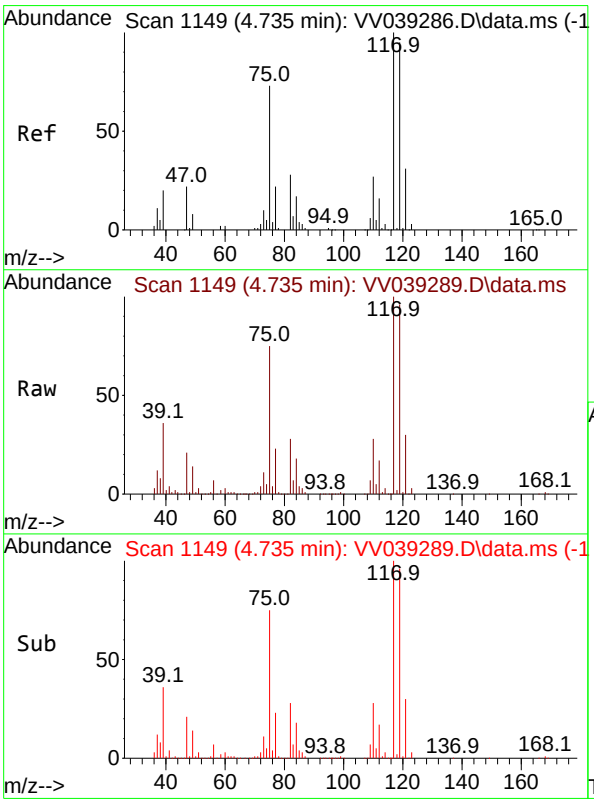
#37
Ethyl Acetate
Concen: 46.408 ug/l
RT: 3.976 min Scan# 91
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 43 Resp: 585358

Ion	Ratio	Lower	Upper
43	100		
61	13.8	12.2	18.2
70	11.3	9.0	13.4

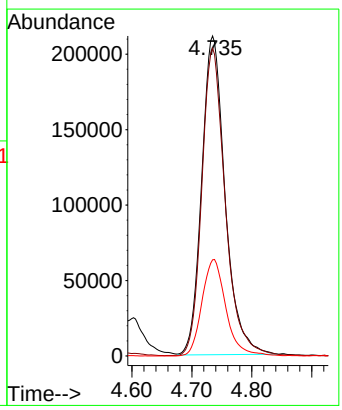


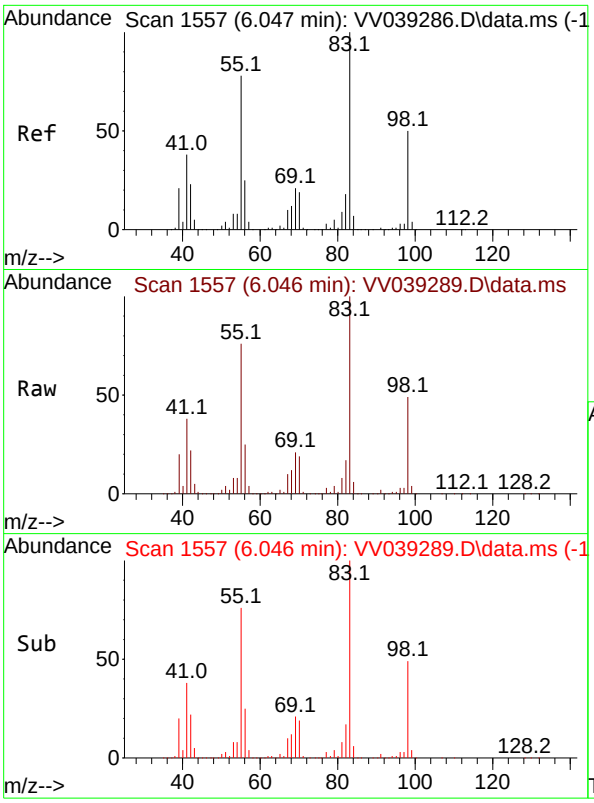


#38
Carbon Tetrachloride
Concen: 43.684 ug/l
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:117 Resp: 573415

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.9	113.9
121	30.2	24.6	37.0



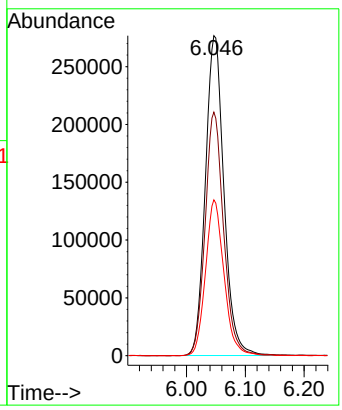


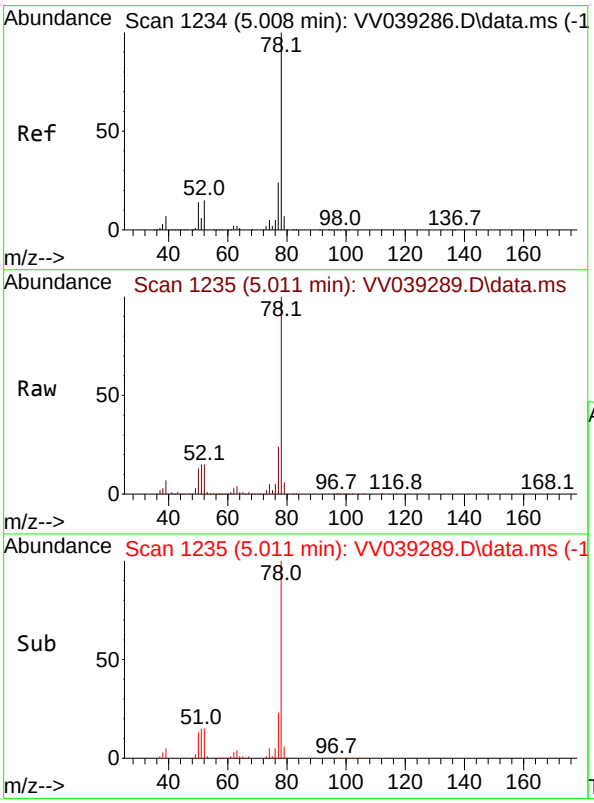
#39
Methylcyclohexane
Concen: 49.258 ug/l
RT: 6.046 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 83 Resp: 606545

Ion	Ratio	Lower	Upper
83	100		
55	76.2	62.1	93.1
98	48.7	40.2	60.4

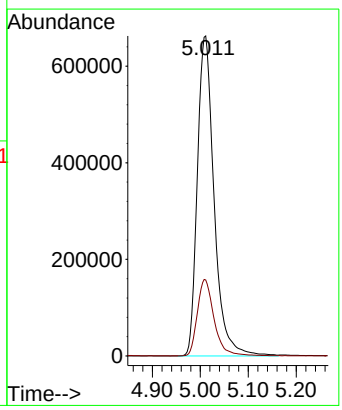


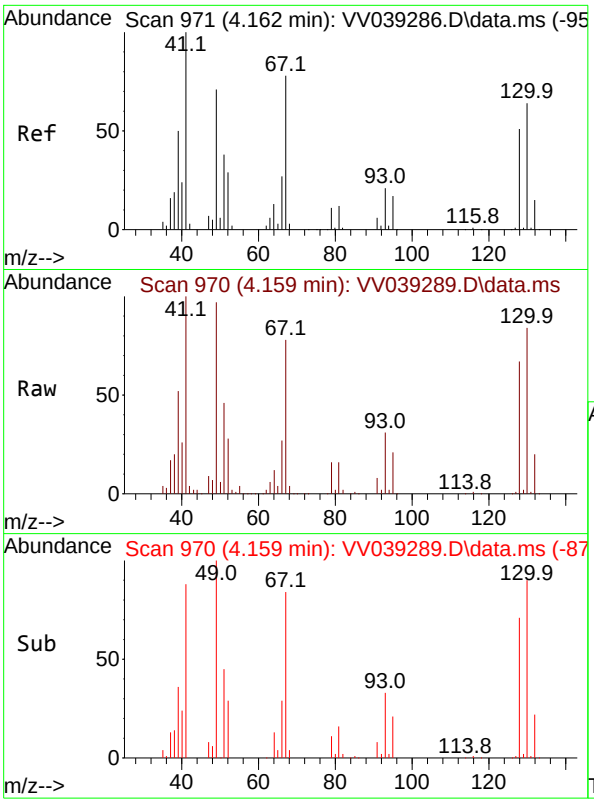


#40
Benzene
Concen: 46.558 ug/l
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 78 Resp: 1609624

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3



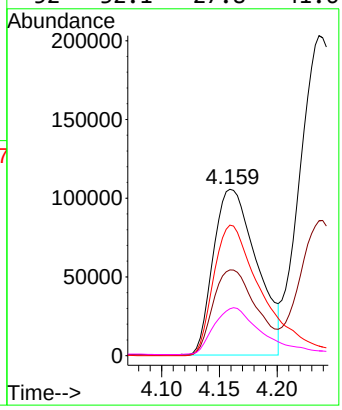


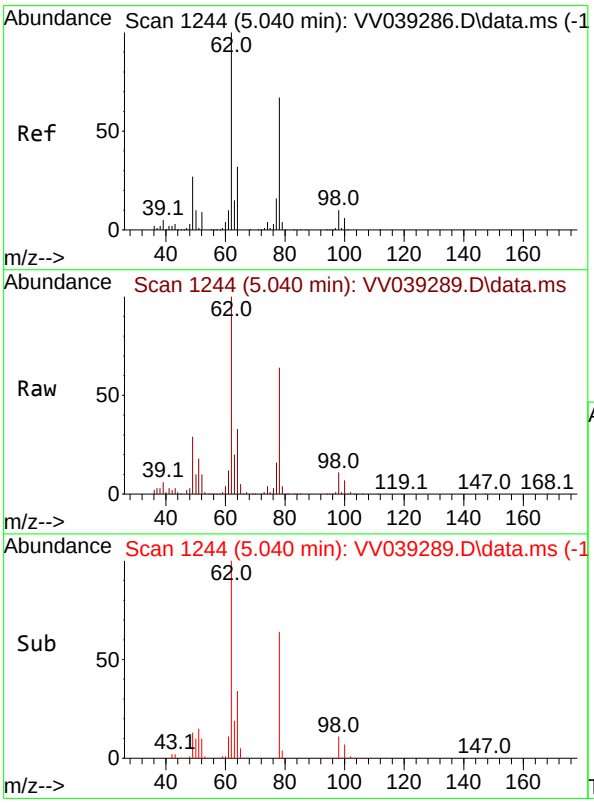
#41
Methacrylonitrile
Concen: 51.206 ug/l
RT: 4.159 min Scan# 9
Delta R.T. -0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 41 Resp: 276470

Ion	Ratio	Lower	Upper
41	100		
39	51.6	40.9	61.3
67	90.4	73.1	109.7
52	32.1	27.8	41.6

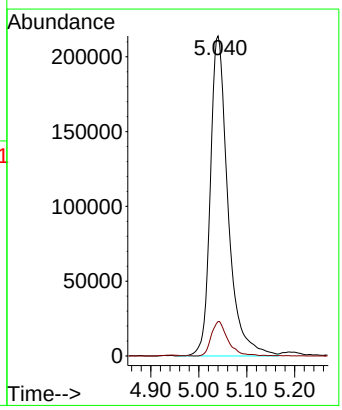


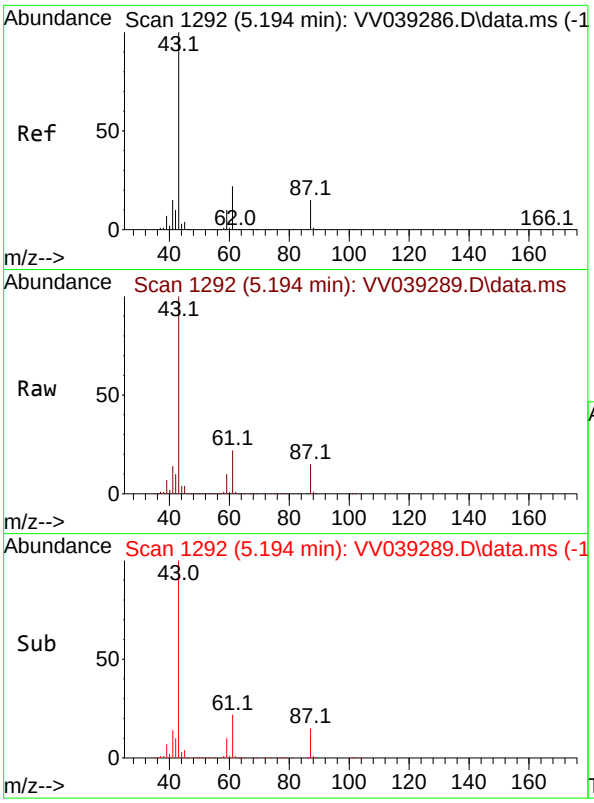


#42
1,2-Dichloroethane
Concen: 45.210 ug/l
RT: 5.040 min Scan# 1244
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 62 Resp: 548560

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0



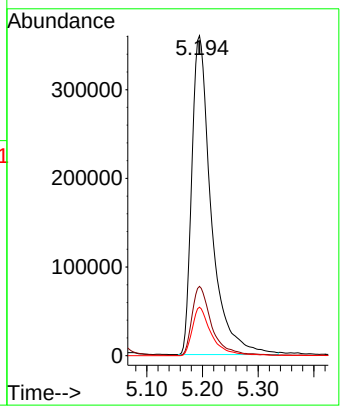


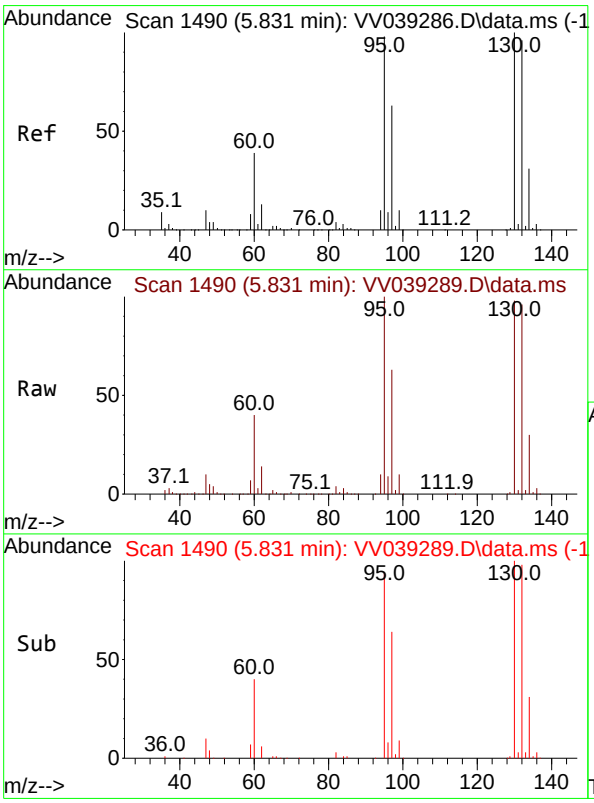
#43
Isopropyl Acetate
Concen: 52.879 ug/l
RT: 5.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 43 Resp: 873224

Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.1	25.7
87	15.0	11.5	17.3

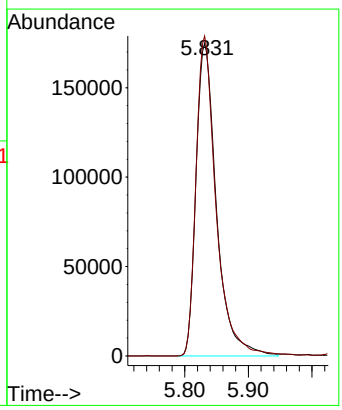


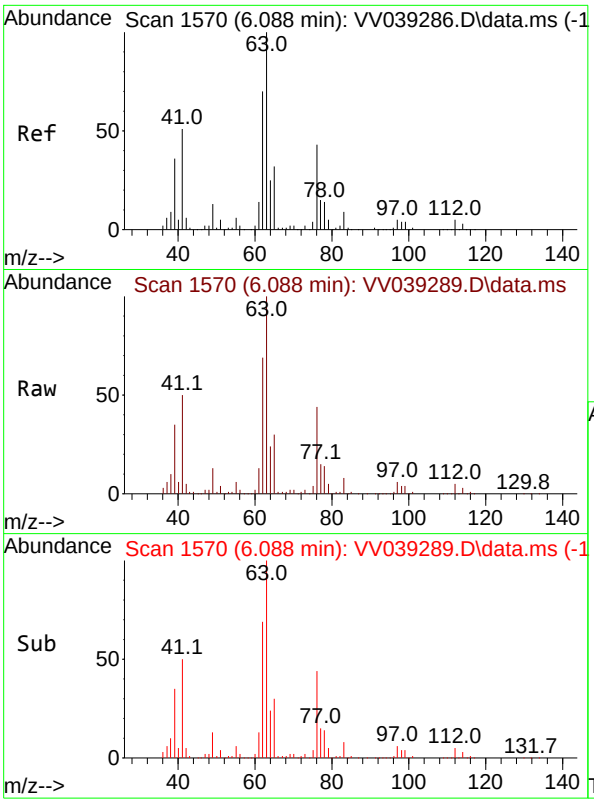


#44
Trichloroethene
Concen: 44.830 ug/l
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:130 Resp: 389754

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	196.6



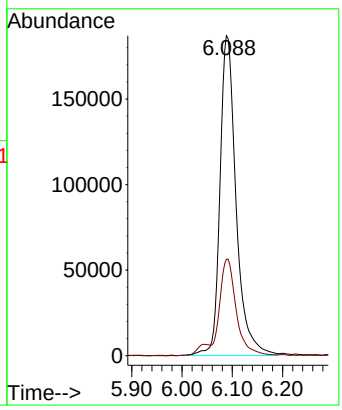


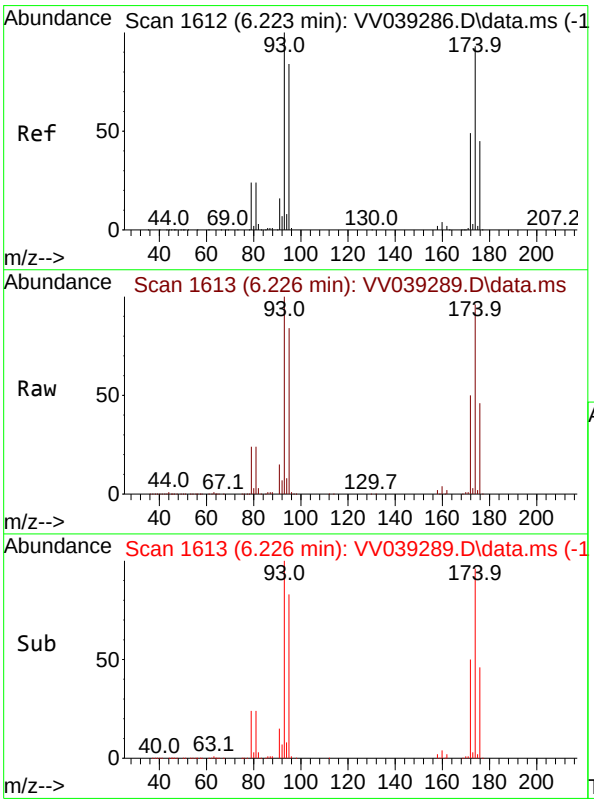
#45
1,2-Dichloropropane
Concen: 49.440 ug/l
RT: 6.088 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 63 Resp: 415923

Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.4	38.2

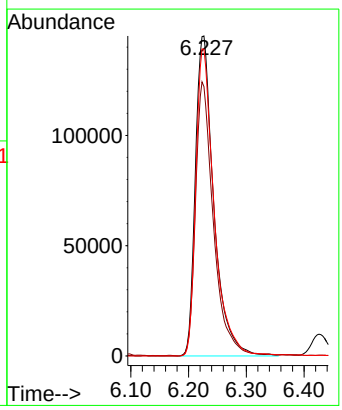


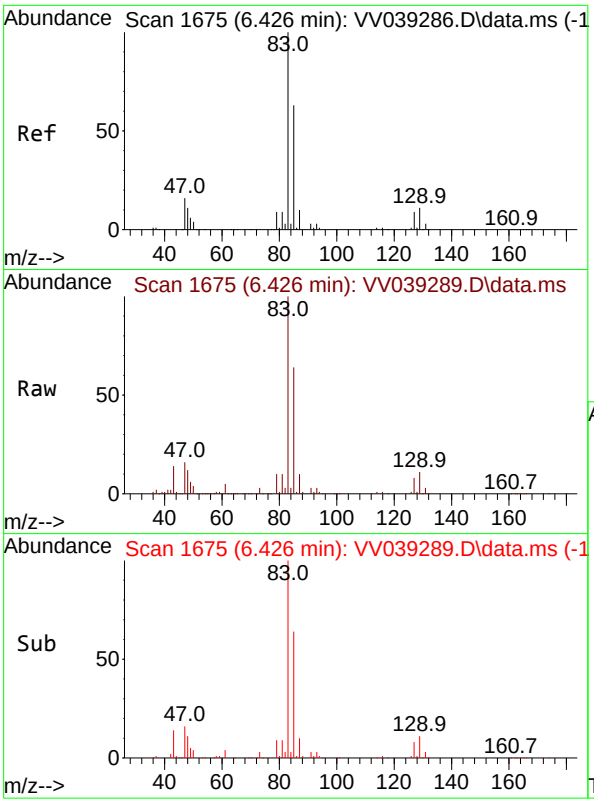


#46
Dibromomethane
Concen: 45.727 ug/l
RT: 6.226 min Scan# 1613
Delta R.T. 0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 93 Resp: 321539

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.6	98.4
174	94.9	74.6	112.0



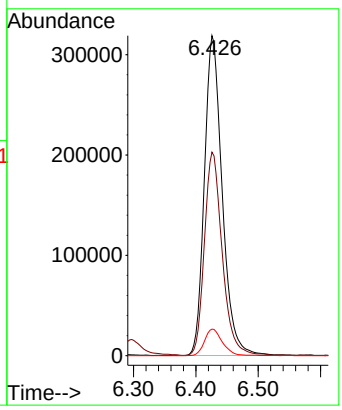


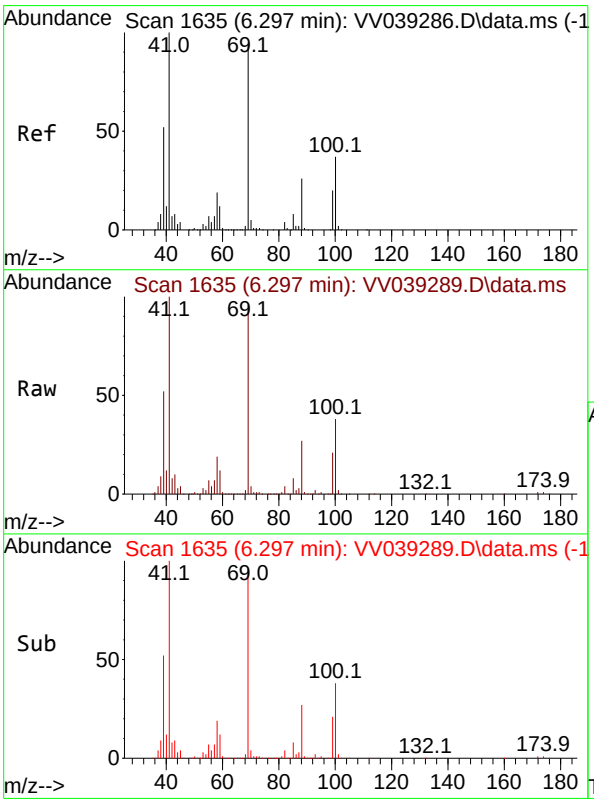
#47
Bromodichloromethane
Concen: 45.813 ug/l
RT: 6.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 83 Resp: 634739

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3
127	8.3	7.0	10.6

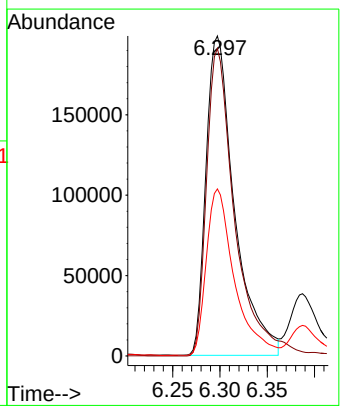


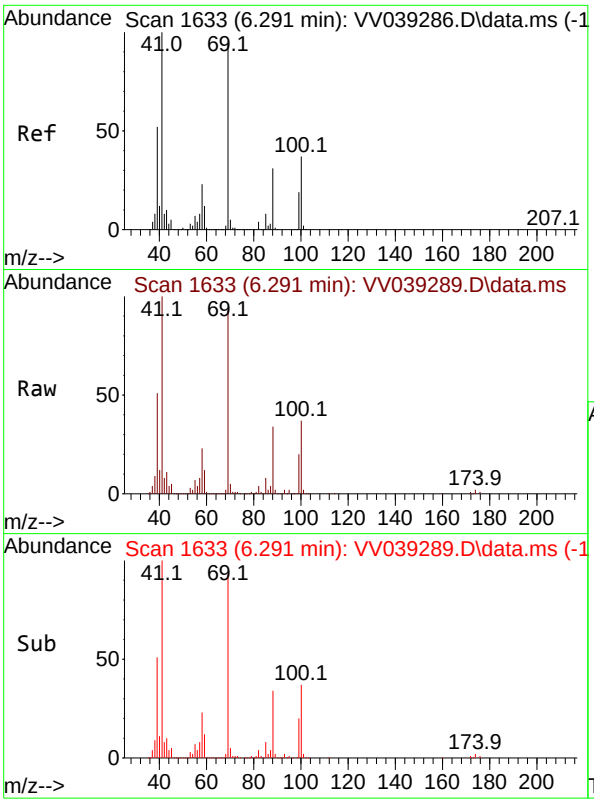


#48
Methyl methacrylate
Concen: 54.443 ug/l
RT: 6.297 min Scan# 1635
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 41 Resp: 416502

Ion	Ratio	Lower	Upper
41	100		
69	96.5	77.2	115.8
39	51.2	41.4	62.0



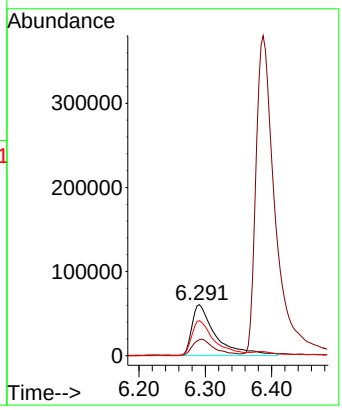


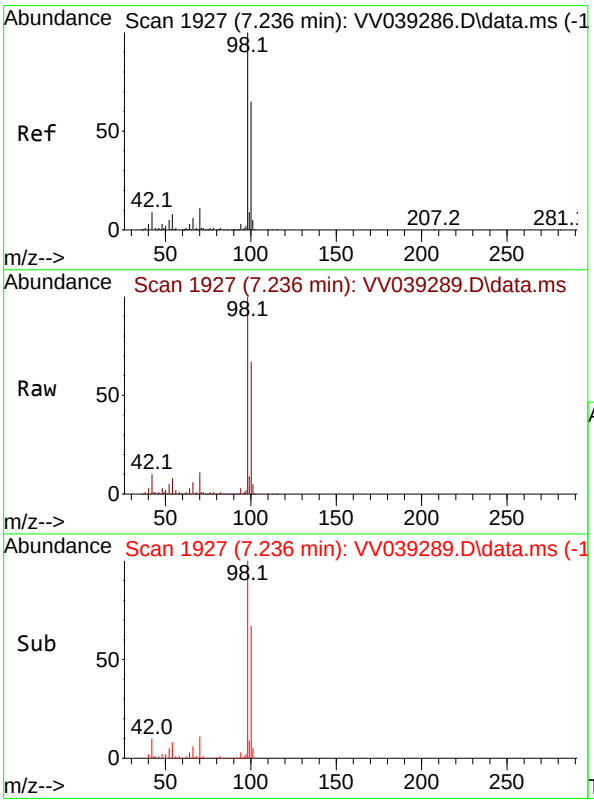
#49
1,4-Dioxane
Concen: 1179.813 ug/l
RT: 6.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 88 Resp: 150148

Ion	Ratio	Lower	Upper
88	100		
43	28.9	24.1	36.1
58	65.7	57.6	86.4

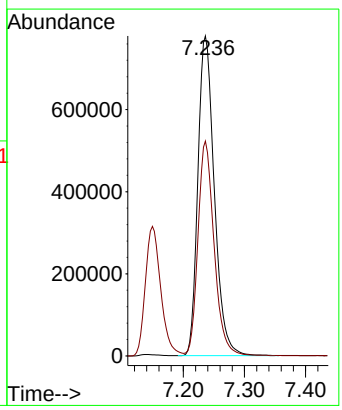


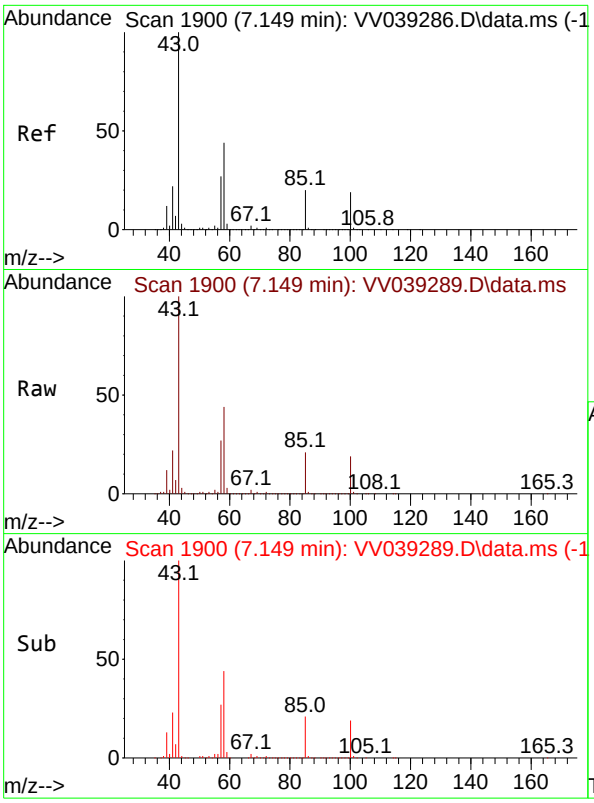


#50
Toluene-d8
Concen: 49.827 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 98 Resp: 1454081

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2



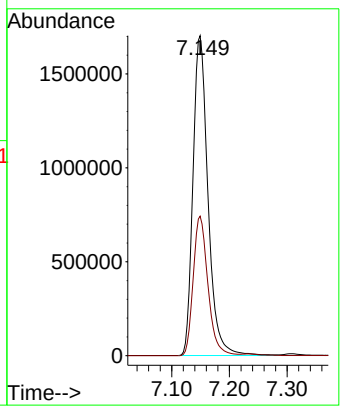


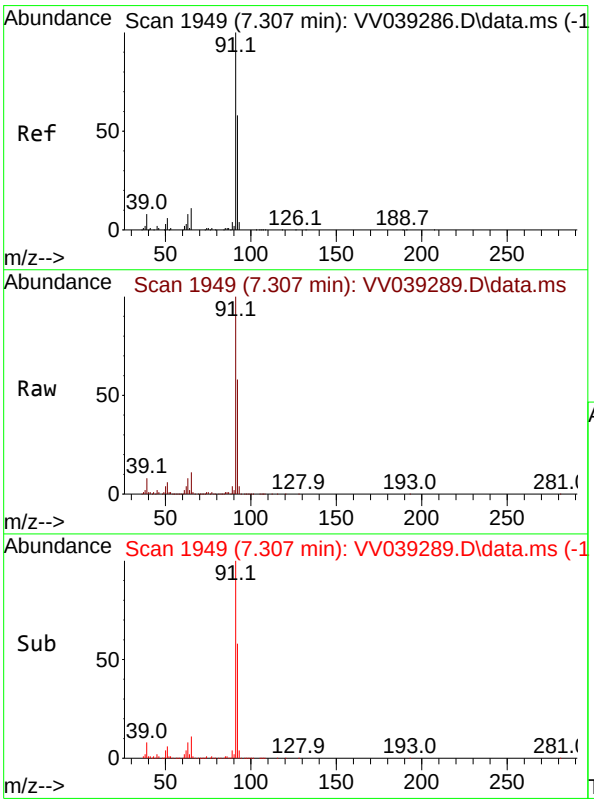
#51
4-Methyl-2-Pentanone
Concen: 268.622 ug/l
RT: 7.149 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 43 Resp: 3077518

Ion	Ratio	Lower	Upper
43	100		
58	42.7	34.2	51.4

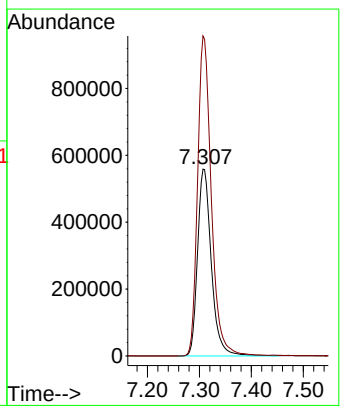


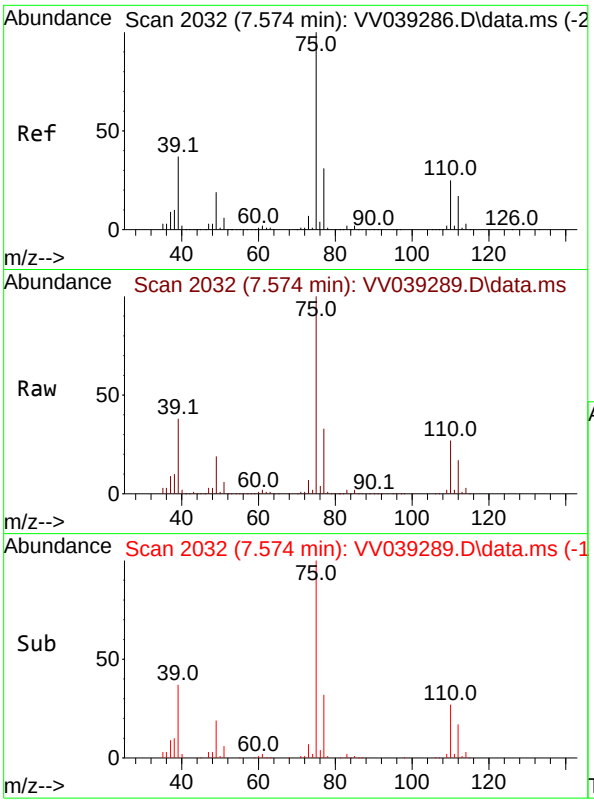


#52
Toluene
Concen: 49.249 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 92 Resp: 1028063

Ion	Ratio	Lower	Upper
92	100		
91	170.5	137.3	205.9



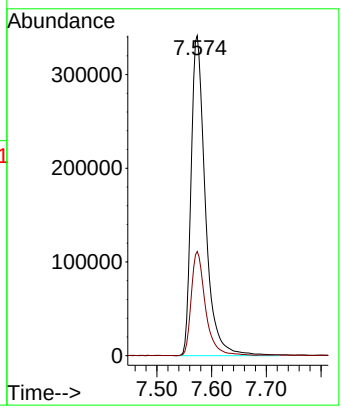


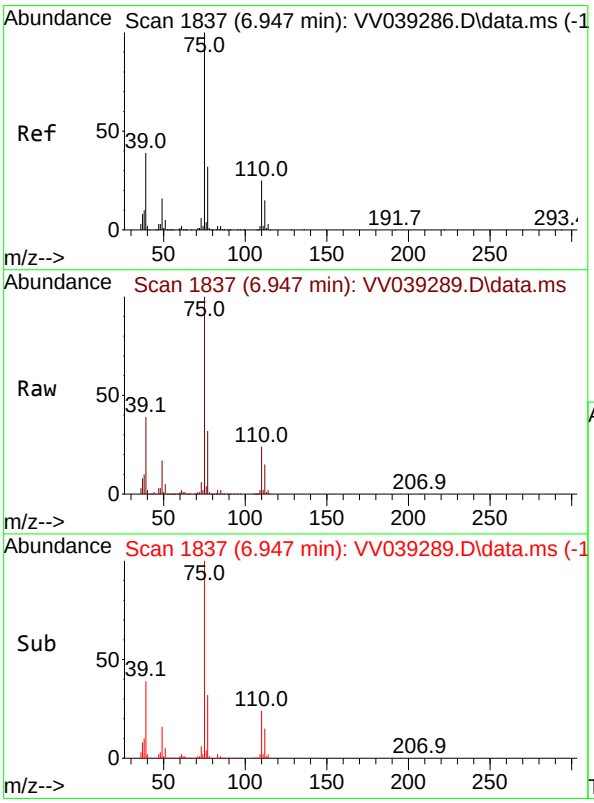
#53
t-1,3-Dichloropropene
Concen: 50.992 ug/l
RT: 7.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 75 Resp: 617453

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.1	37.7

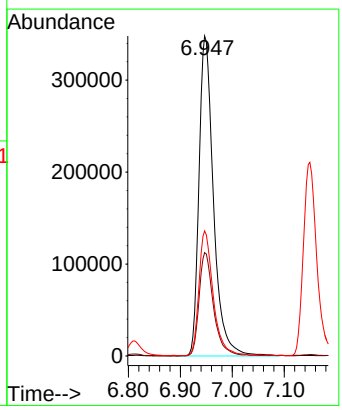


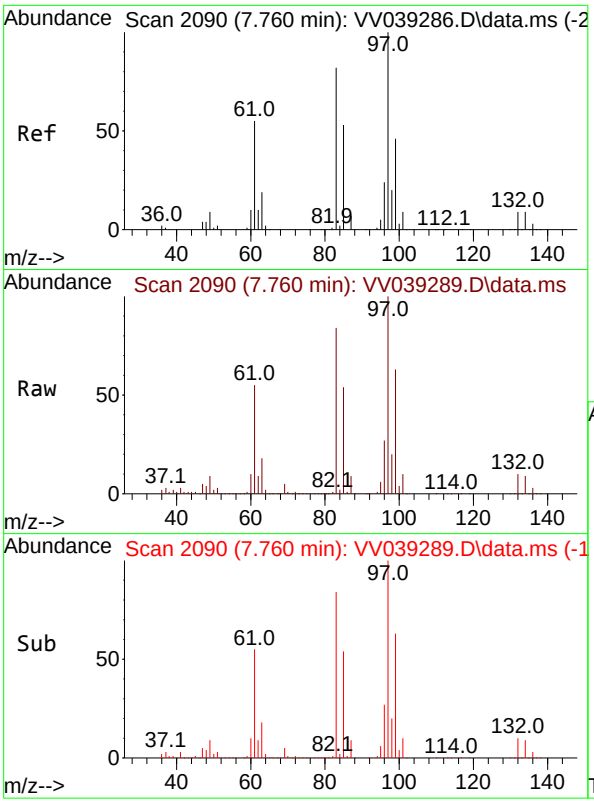


#54
cis-1,3-Dichloropropene
Concen: 50.088 ug/l
RT: 6.947 min Scan# 1837
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 75 Resp: 674300

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.6	38.4
39	39.0	31.0	46.6



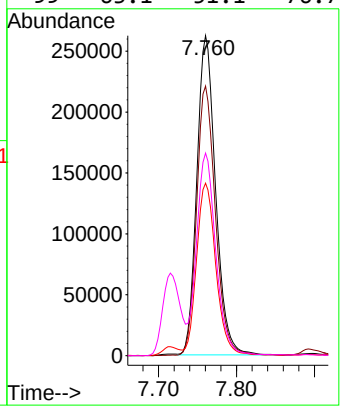


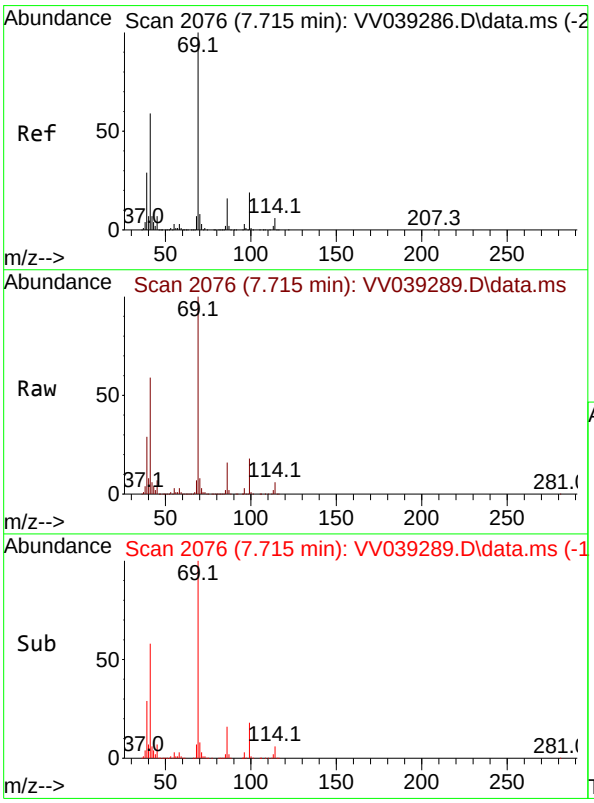
#55
1,1,2-Trichloroethane
Concen: 46.606 ug/l
RT: 7.760 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 97 Resp: 439297

Ion	Ratio	Lower	Upper
97	100		
83	84.2	65.8	98.8
85	53.9	43.3	64.9
99	63.1	51.1	76.7

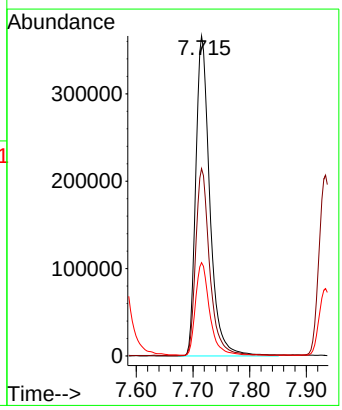


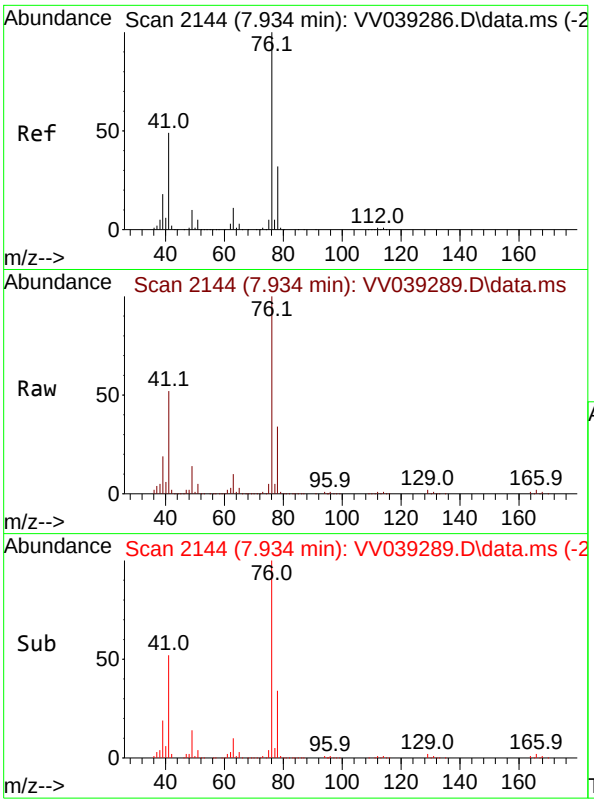


#56
Ethyl methacrylate
Concen: 59.189 ug/l
RT: 7.715 min Scan# 2076
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 69 Resp: 632075

Ion	Ratio	Lower	Upper
69	100		
41	58.1	47.1	70.7
39	28.9	23.2	34.8



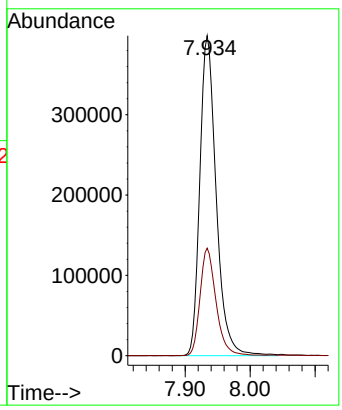


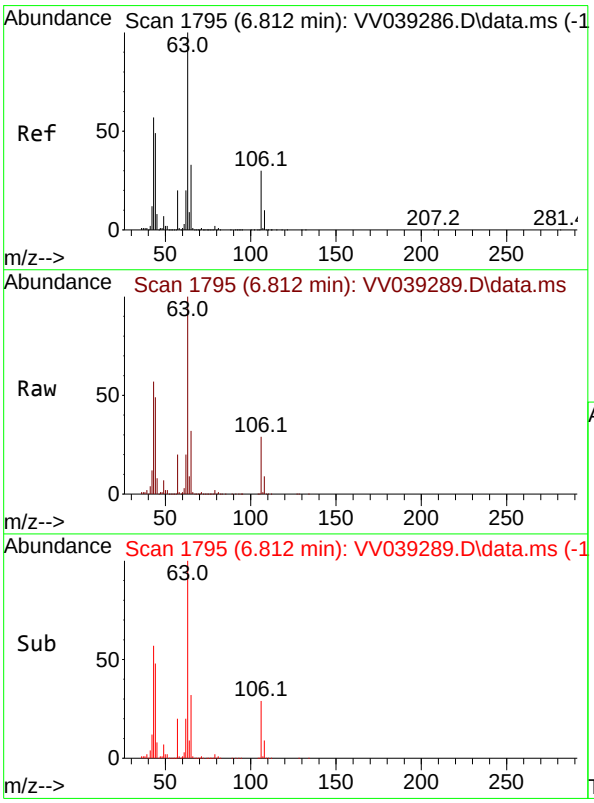
#57
1,3-Dichloropropane
Concen: 49.151 ug/l
RT: 7.934 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 76 Resp: 699121

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.6	38.4

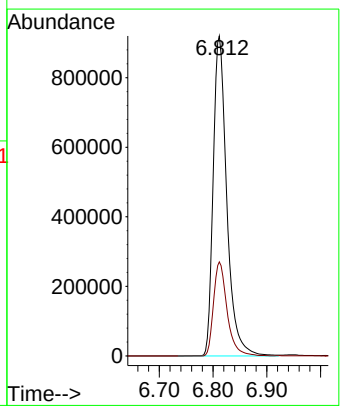


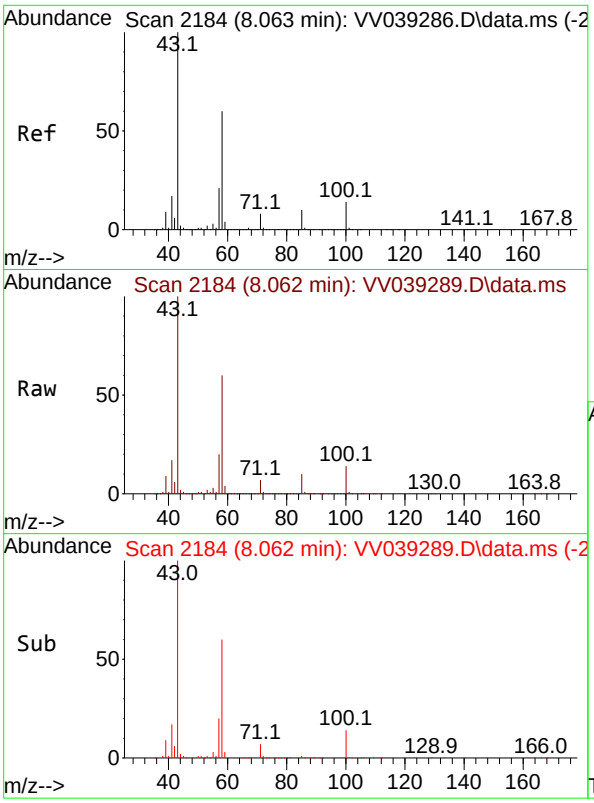


#58
2-Chloroethyl Vinyl ether
Concen: 249.980 ug/l
RT: 6.812 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 63 Resp: 1615393

Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.5	35.3



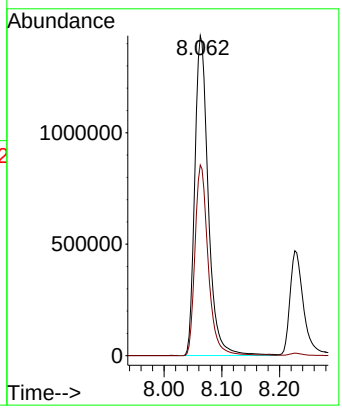


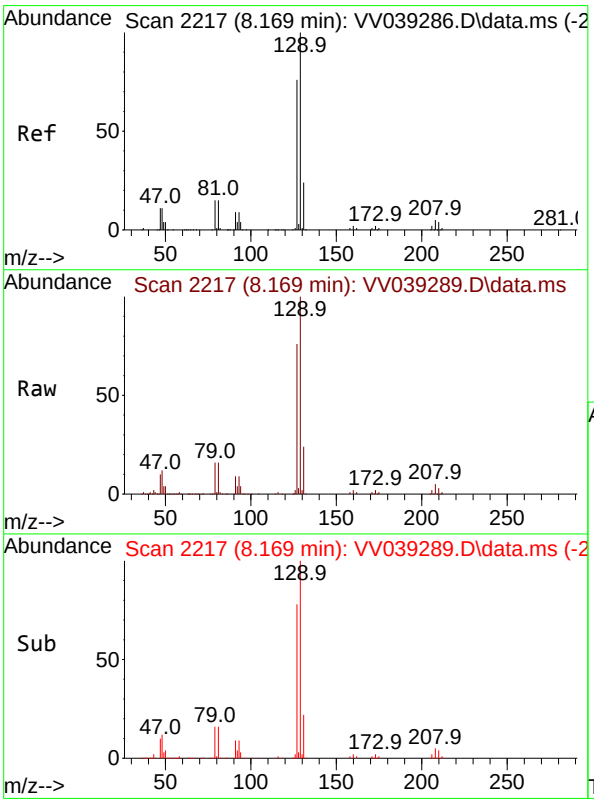
#59
2-Hexanone
Concen: 276.742 ug/l
RT: 8.062 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 43 Resp: 2327647

Ion	Ratio	Lower	Upper
43	100		
58	58.5	29.6	88.9

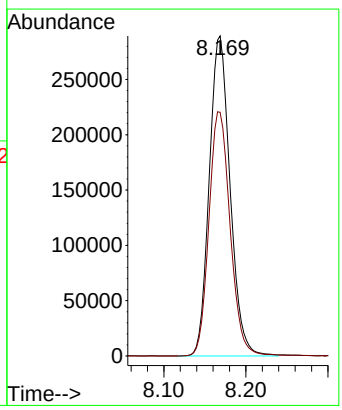


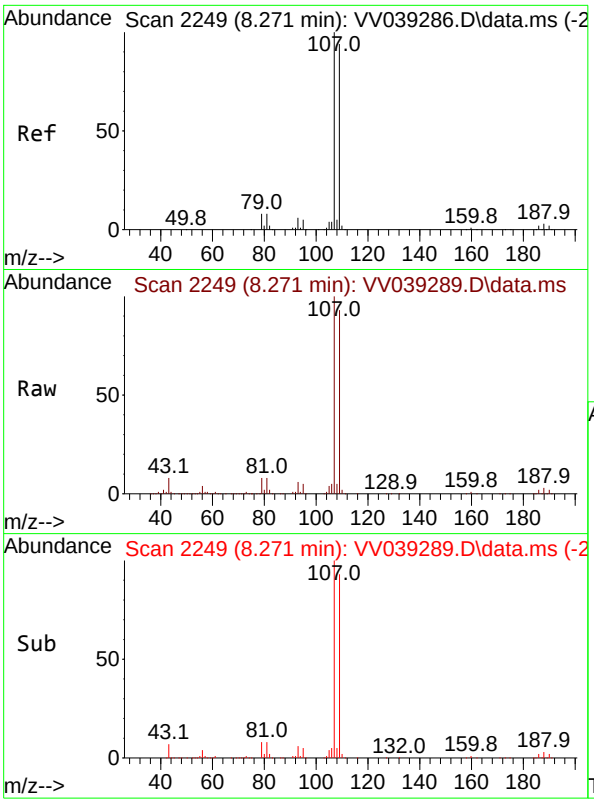


#60
Dibromochloromethane
Concen: 46.246 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:129 Resp: 509675

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.1



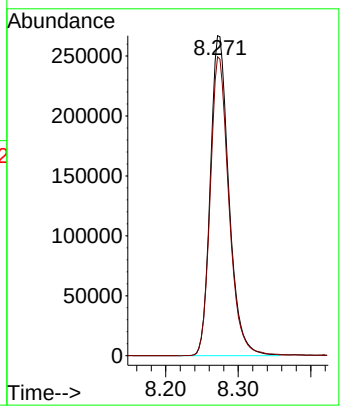


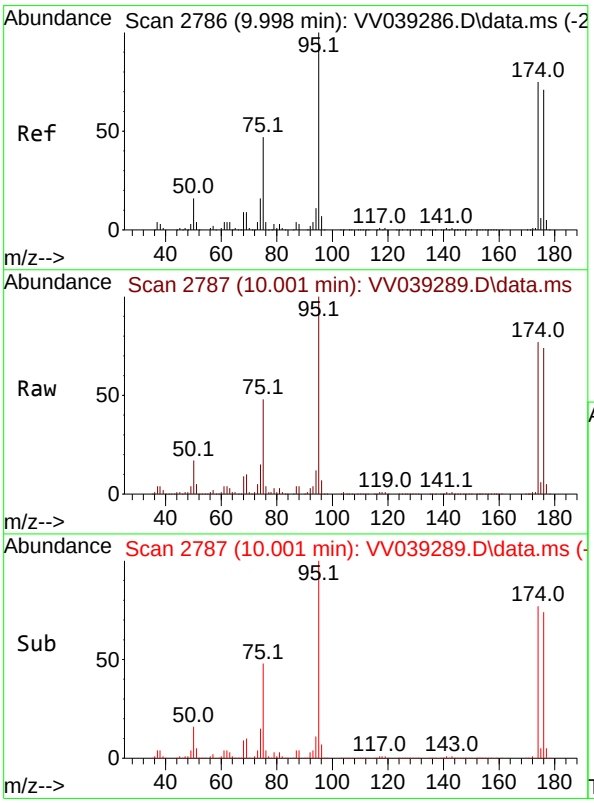
#61
1,2-Dibromoethane
Concen: 48.399 ug/l
RT: 8.271 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:107 Resp: 475021

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.8	113.6

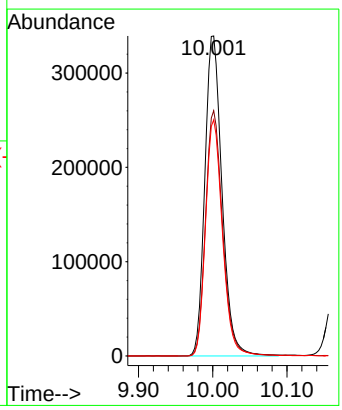


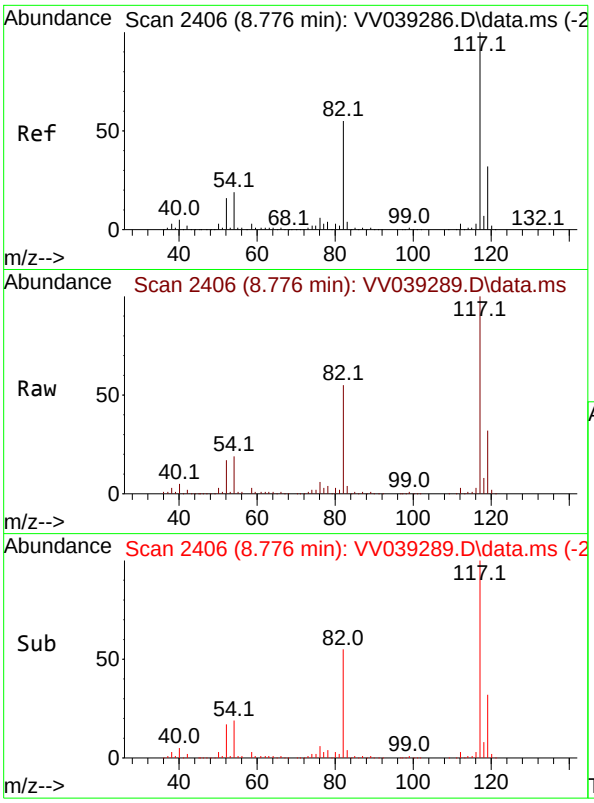


#62
4-Bromofluorobenzene
Concen: 52.365 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 95 Resp: 544233

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	153.6
176	72.6	0.0	146.0



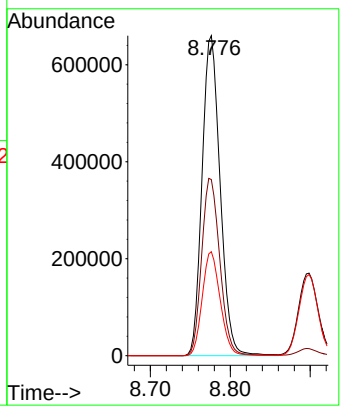


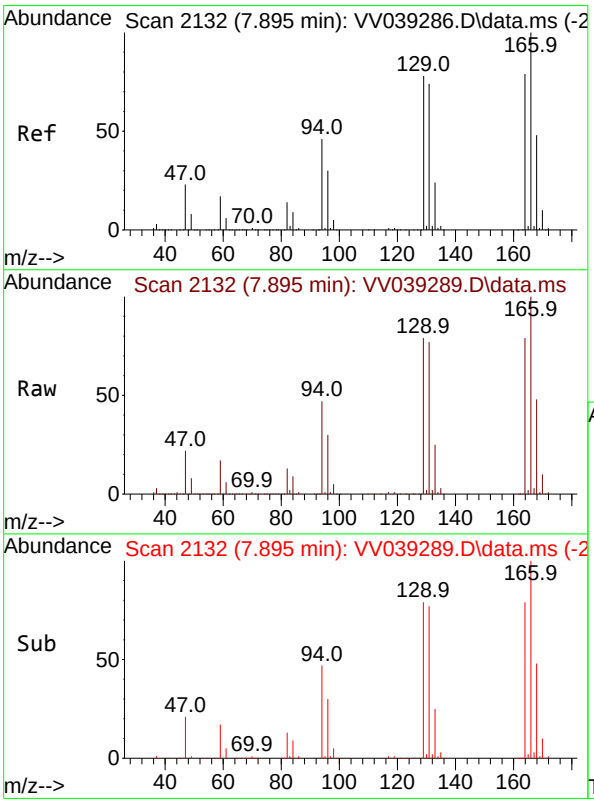
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:117 Resp: 1040306

Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.8	65.8
119	32.5	25.8	38.6

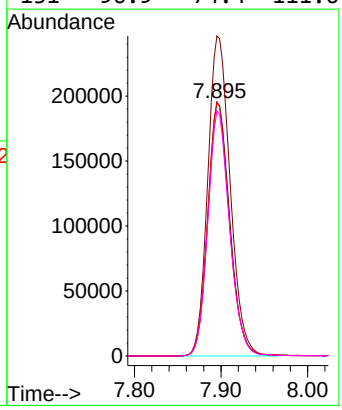


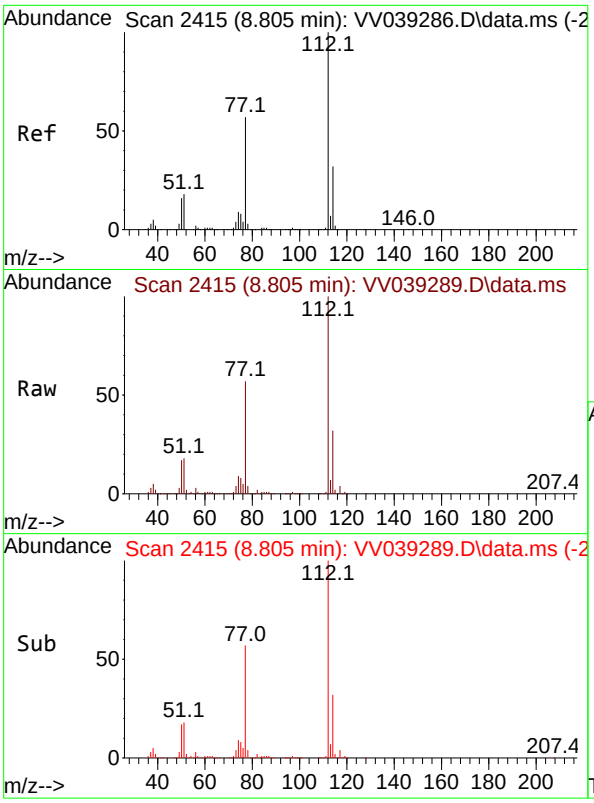


#64
Tetrachloroethene
Concen: 45.191 ug/l
RT: 7.895 min Scan# 2132
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:164 Resp: 342936

Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.0	151.6
129	100.4	79.0	118.6
131	96.9	74.4	111.6



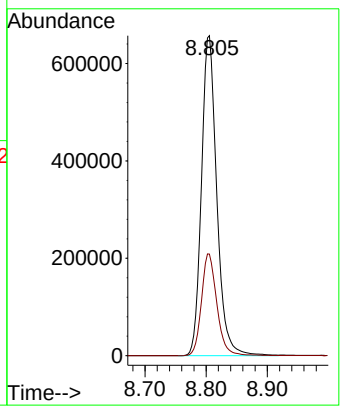


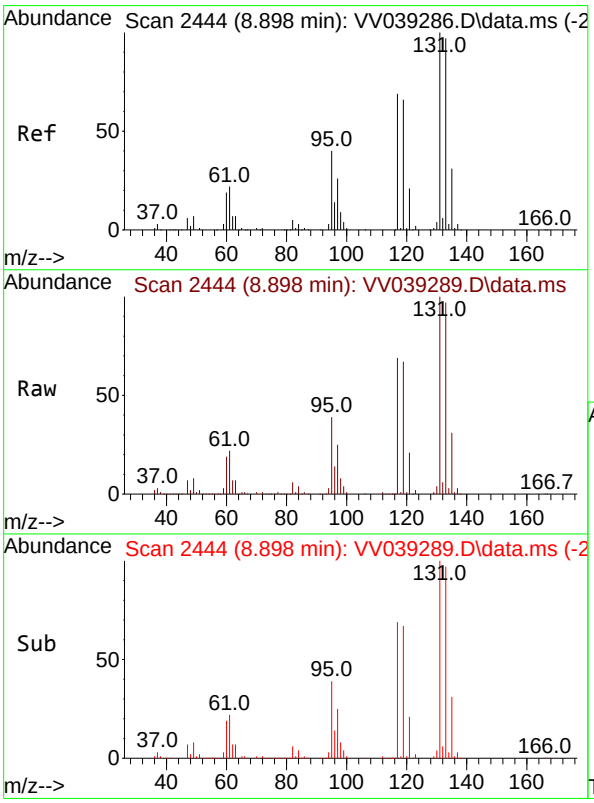
#65
Chlorobenzene
Concen: 46.522 ug/l
RT: 8.805 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:112 Resp: 1145718

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

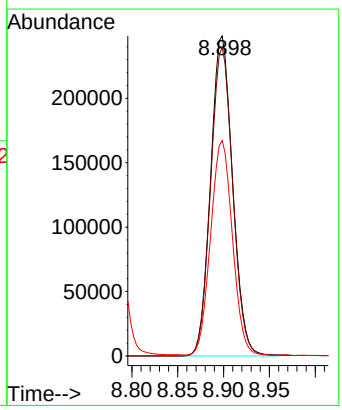


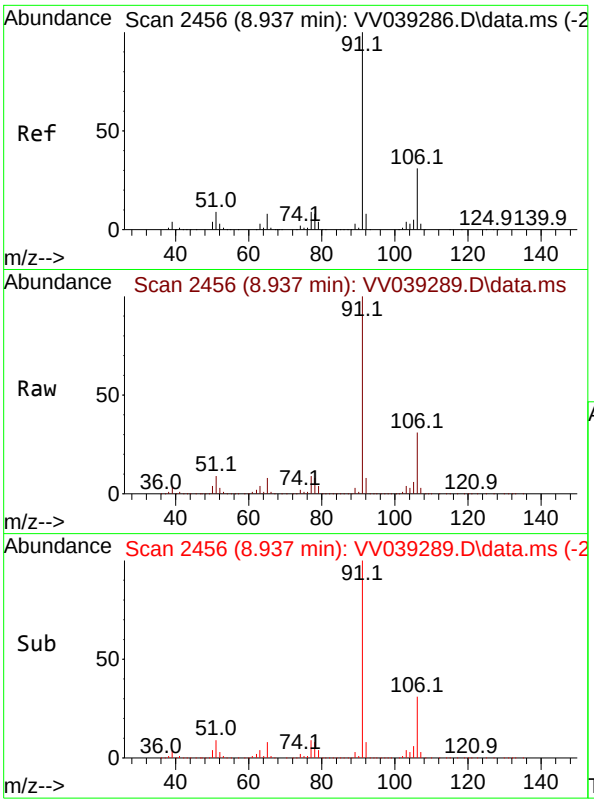


#66
1,1,1,2-Tetrachloroethane
Concen: 45.078 ug/l
RT: 8.898 min Scan# 2444
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:131 Resp: 415835

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.8	143.3
119	66.4	32.7	98.1



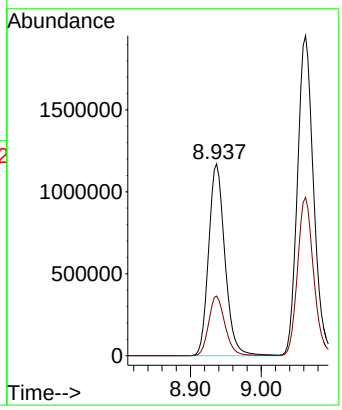


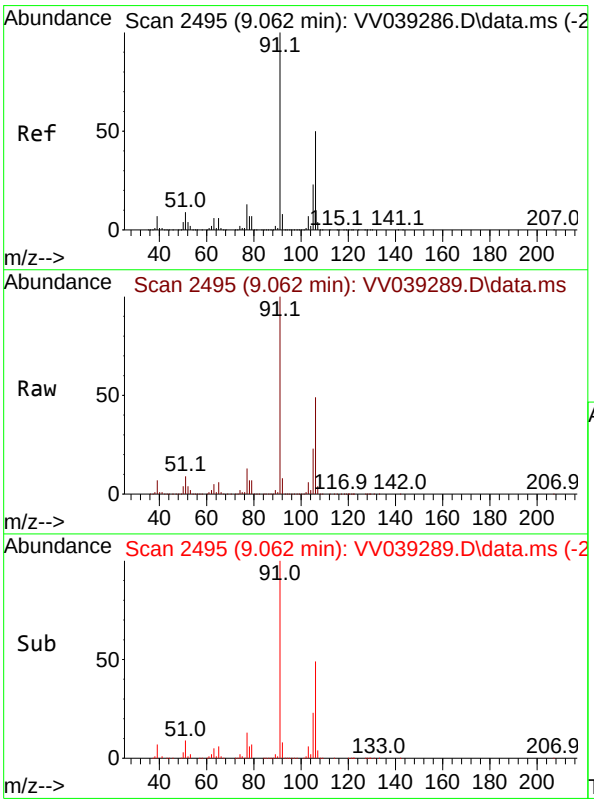
#67
Ethyl Benzene
Concen: 51.482 ug/l
RT: 8.937 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 91 Resp: 1867580

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.6	37.0

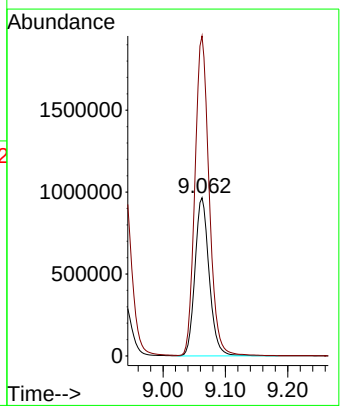


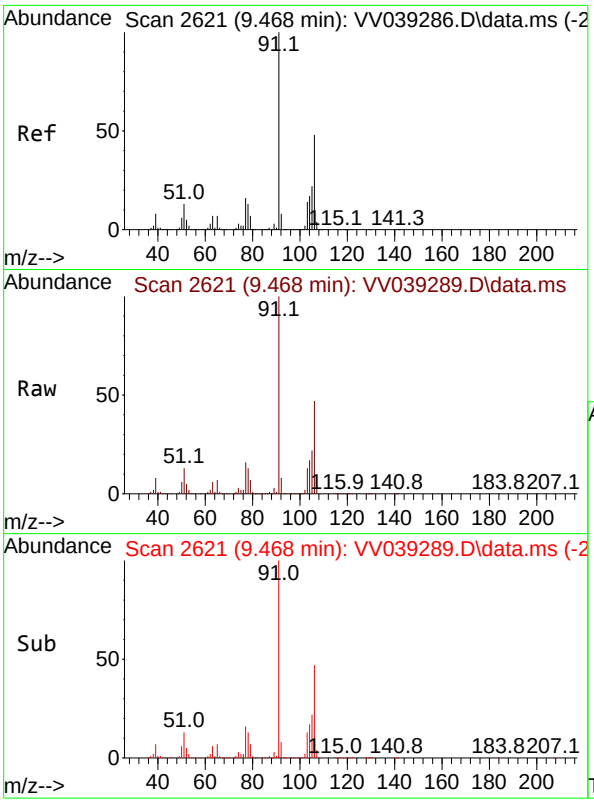


#68
m/p-Xylenes
Concen: 105.928 ug/l
RT: 9.062 min Scan# 2495
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:106 Resp: 1524093

Ion	Ratio	Lower	Upper
106	100		
91	203.1	160.2	240.2



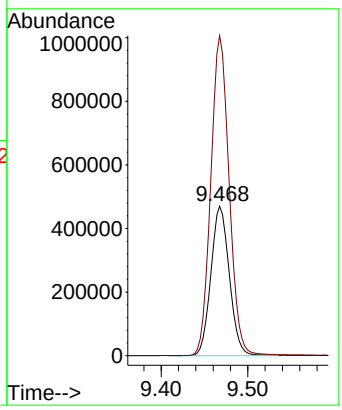


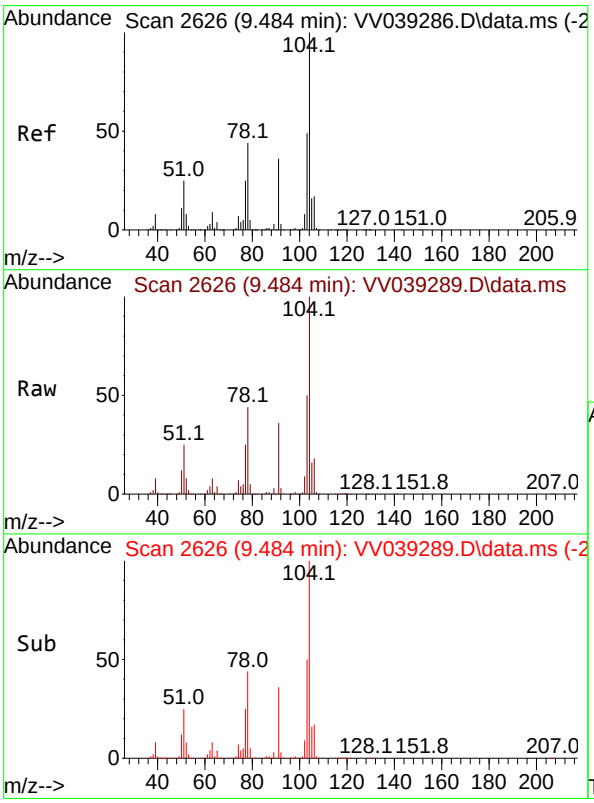
#69
o-Xylene
Concen: 54.666 ug/l
RT: 9.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:106 Resp: 694597

Ion	Ratio	Lower	Upper
106	100		
91	214.0	105.8	317.3

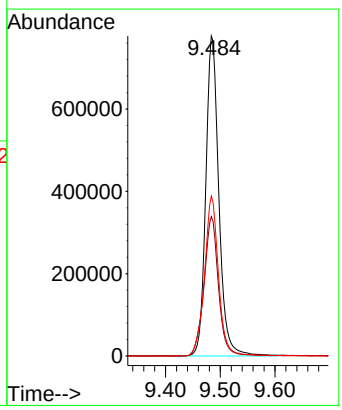


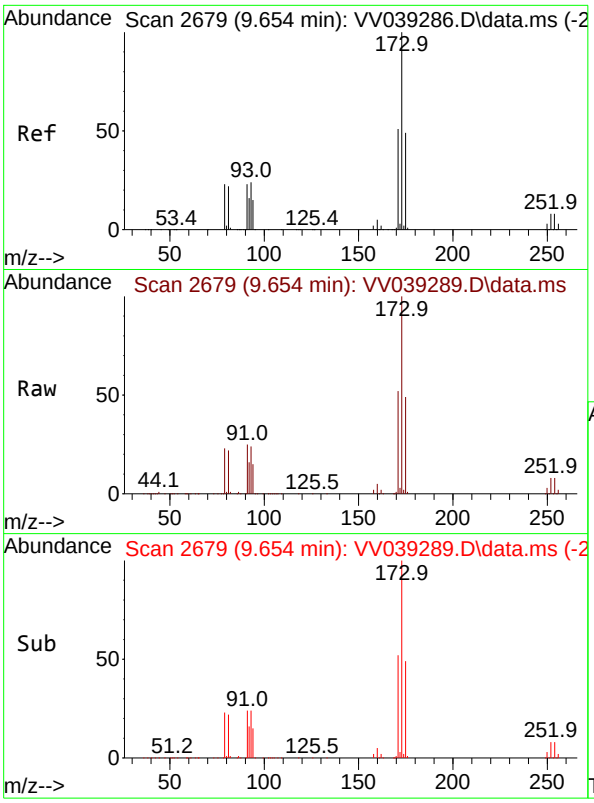


#70
Styrene
Concen: 57.079 ug/l
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:104 Resp: 1290477

Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.9	58.3
103	53.6	42.9	64.3



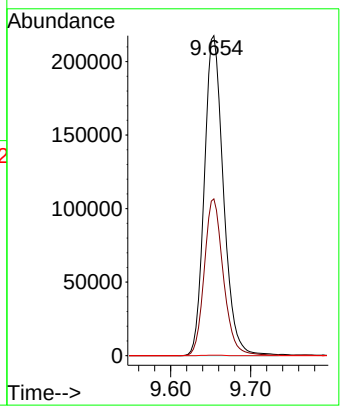


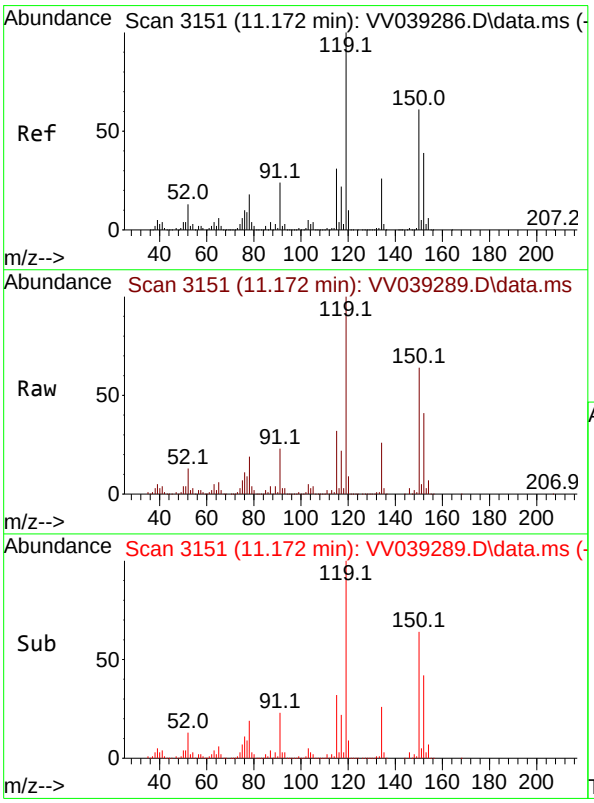
#71
Bromoform
Concen: 48.605 ug/l
RT: 9.654 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:173 Resp: 362598

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.6
254	0.2	0.2	0.2

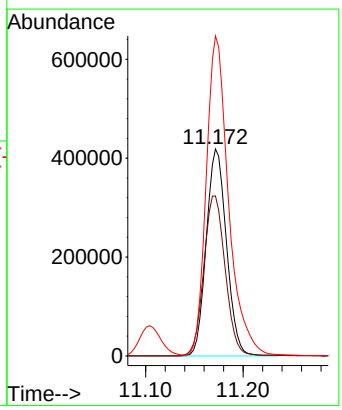


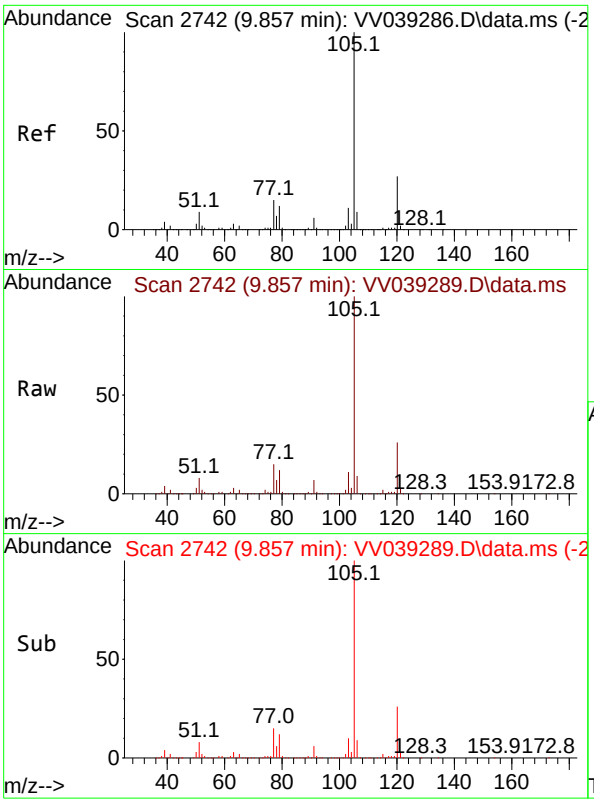


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:152 Resp: 603412

Ion	Ratio	Lower	Upper
152	100		
115	81.8	42.3	126.8
150	170.3	0.0	348.0



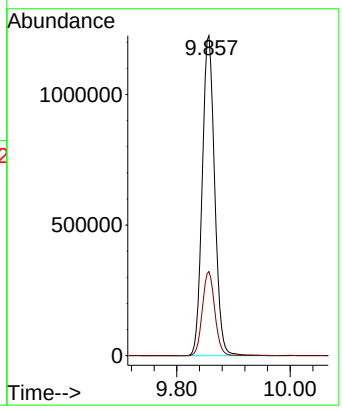


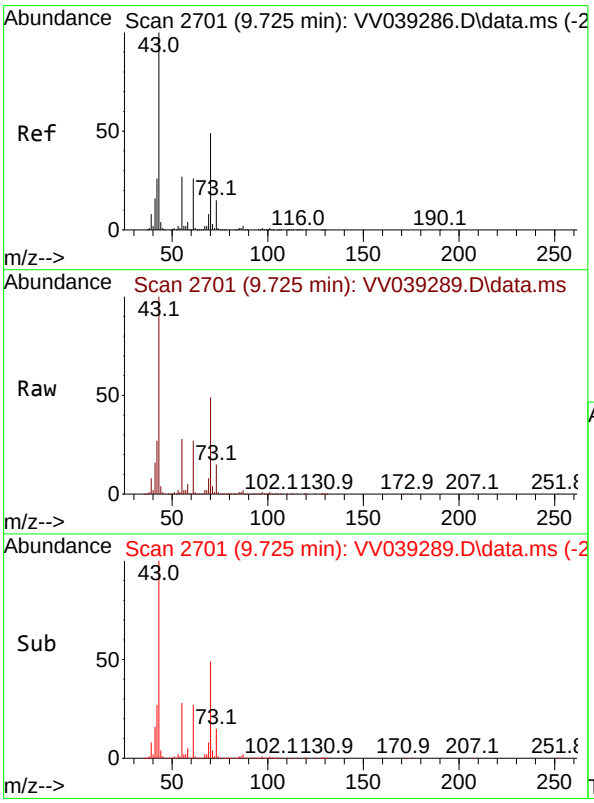
#73
Isopropylbenzene
Concen: 50.809 ug/l
RT: 9.857 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:105 Resp: 1861757

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

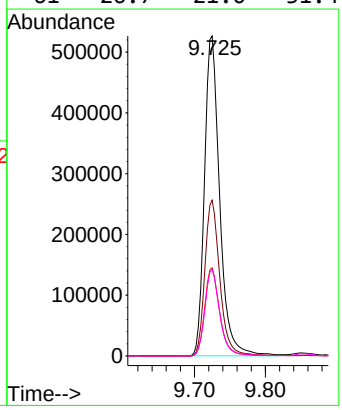


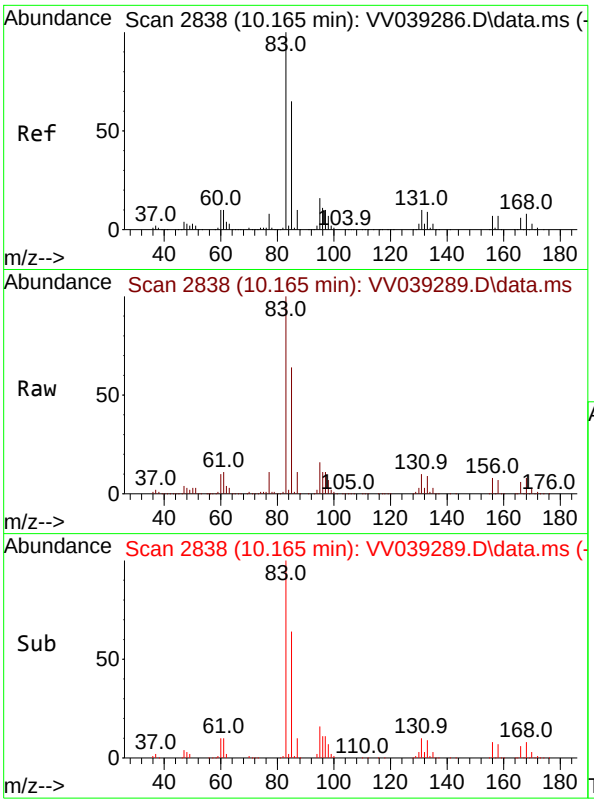


#74
N-amyl acetate
Concen: 51.855 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 43 Resp: 782933

Ion	Ratio	Lower	Upper
43	100		
70	48.2	38.6	58.0
55	27.3	21.9	32.9
61	26.7	21.0	31.4



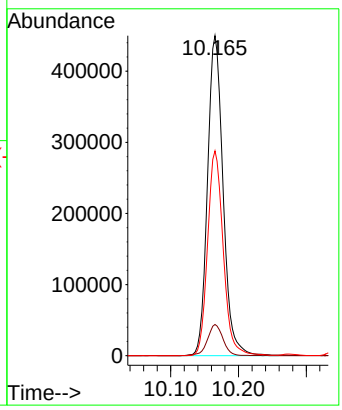


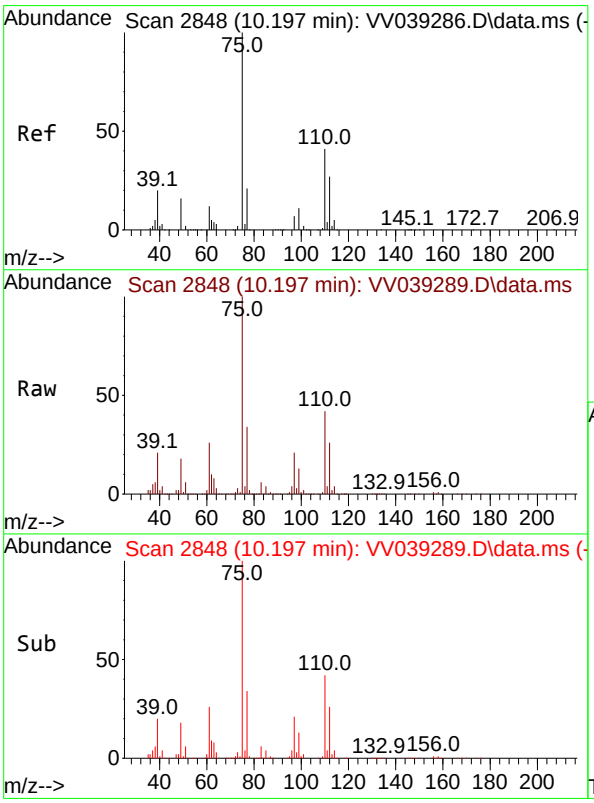
#75
1,1,2,2-Tetrachloroethane
Concen: 42.658 ug/l
RT: 10.165 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 83 Resp: 717810

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	15.0
85	64.3	32.4	97.2

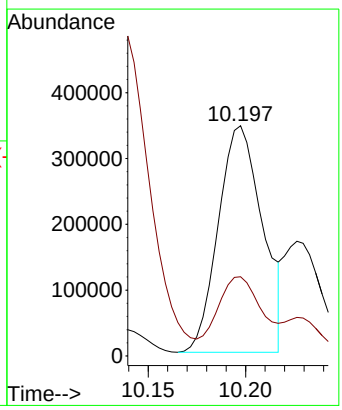


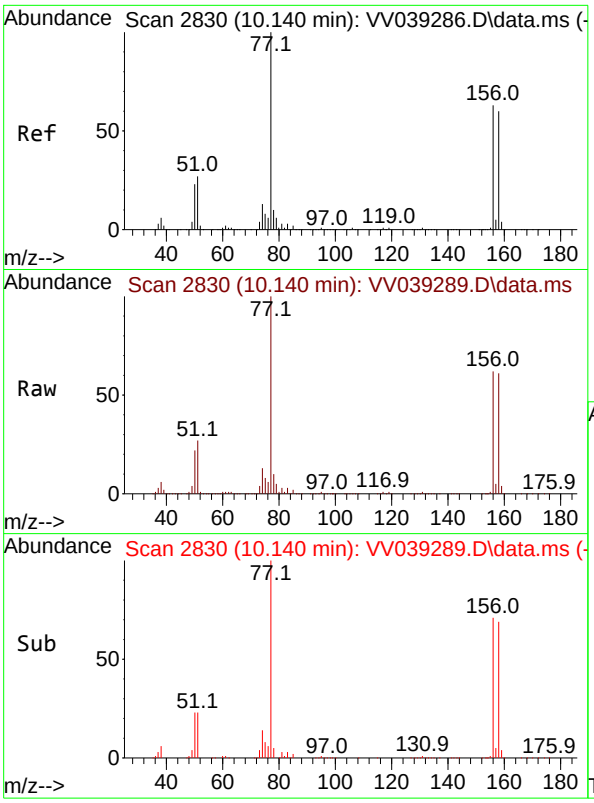


#76
1,2,3-Trichloropropane
Concen: 45.277 ug/l
RT: 10.197 min Scan# 2848
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 75 Resp: 545285

Ion	Ratio	Lower	Upper
75	100		
77	24.1	12.2	36.4



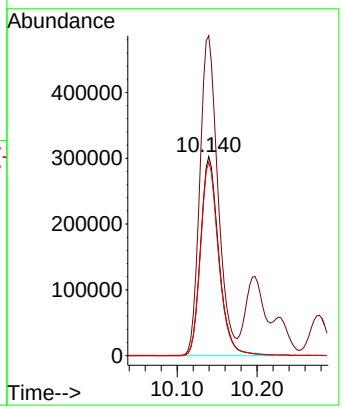


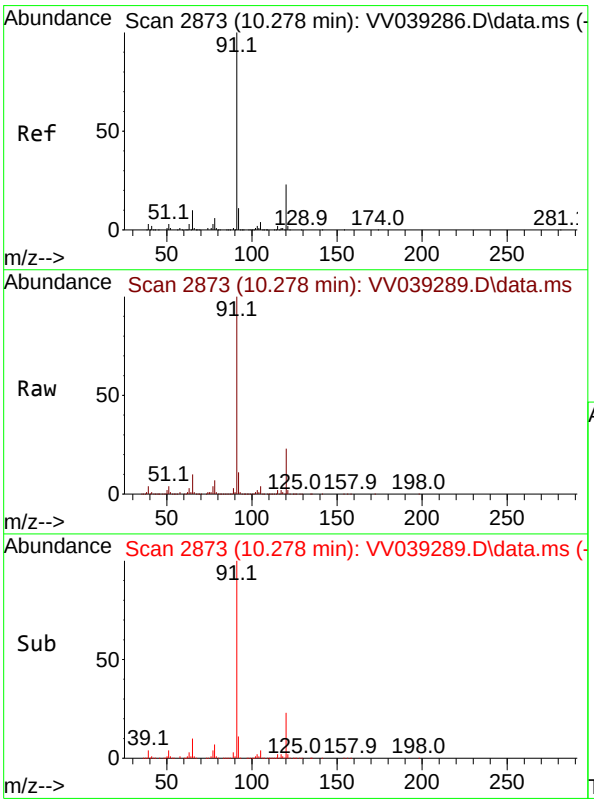
#77
Bromobenzene
Concen: 47.667 ug/l
RT: 10.140 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:156 Resp: 480152

Ion	Ratio	Lower	Upper
156	100		
77	159.2	78.4	235.2
158	96.9	47.7	143.1

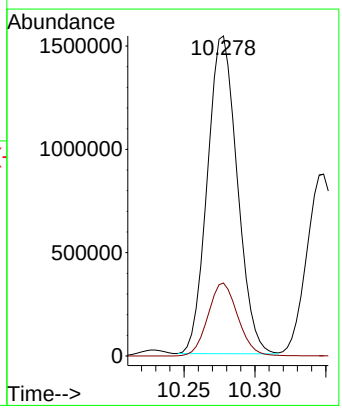


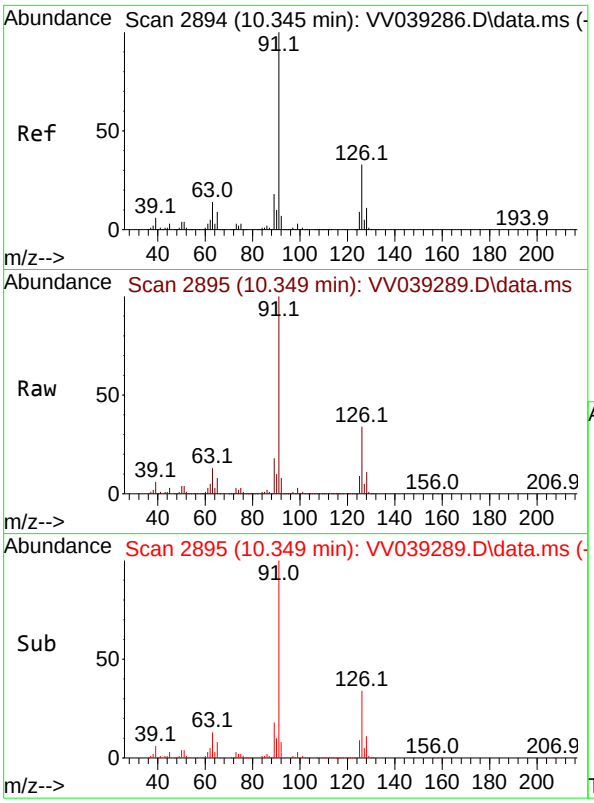


#78
n-propylbenzene
Concen: 50.814 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 91 Resp: 2259240

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5



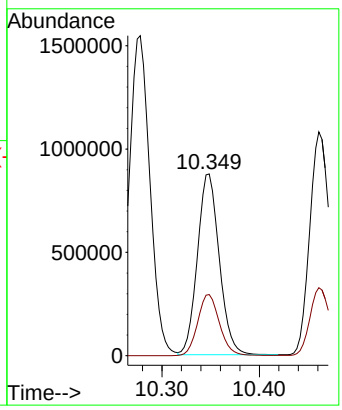


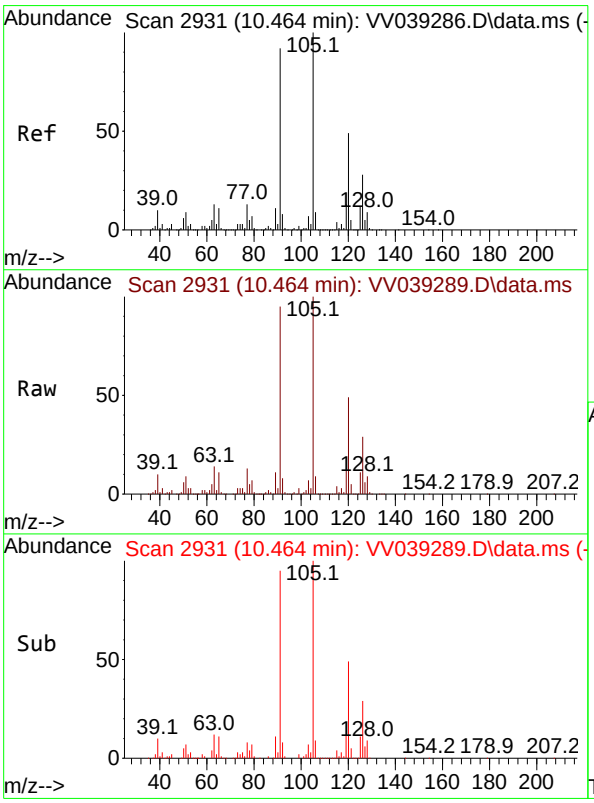
#79
2-Chlorotoluene
Concen: 49.689 ug/l
RT: 10.349 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 91 Resp: 1363973

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6

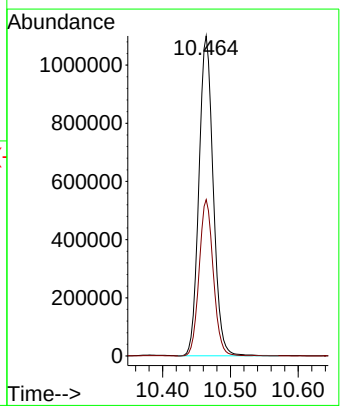


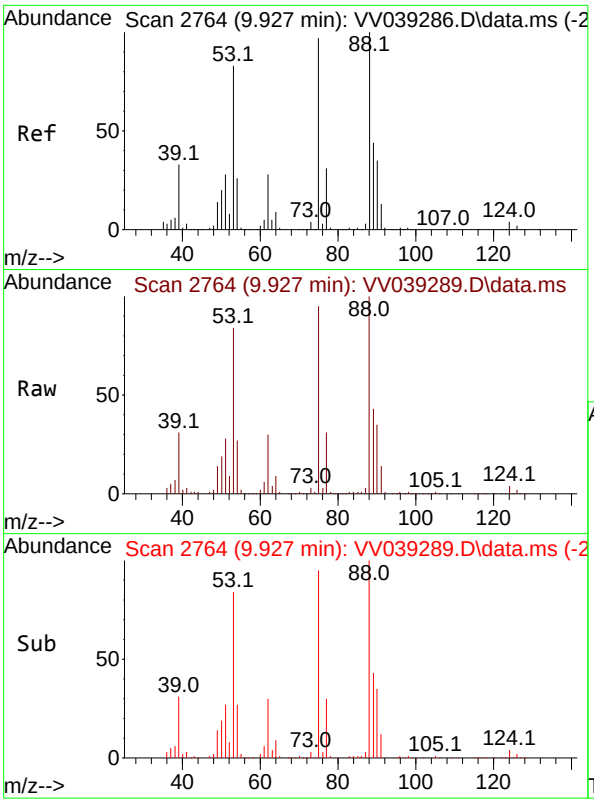


#80
1,3,5-Trimethylbenzene
Concen: 52.291 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:105 Resp: 1606972

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.3	73.0



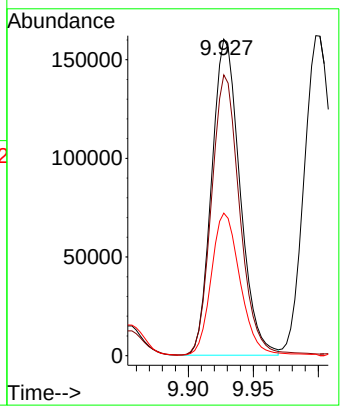


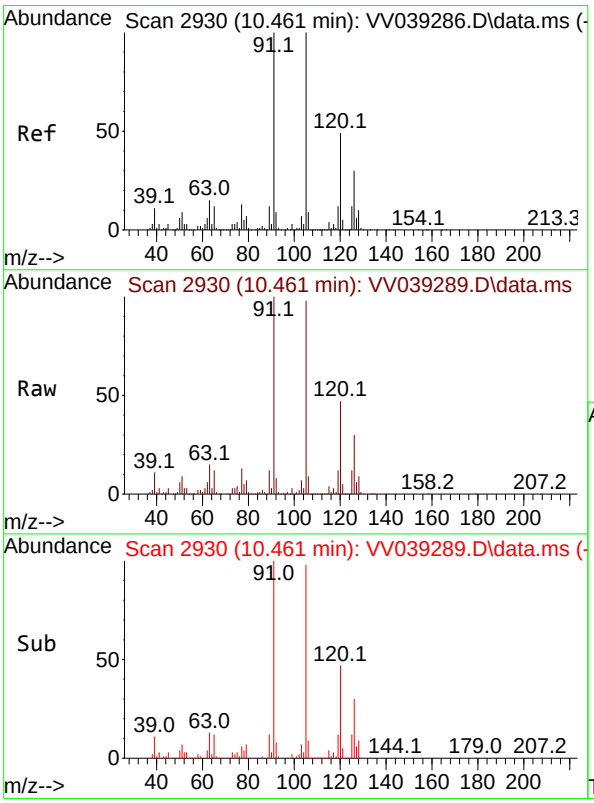
#81
trans-1,4-Dichloro-2-butene
Concen: 50.910 ug/l
RT: 9.927 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 75 Resp: 242777

Ion	Ratio	Lower	Upper
75	100		
53	88.1	69.9	104.9
89	46.5	37.4	56.0

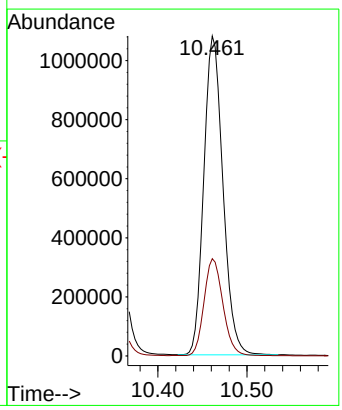


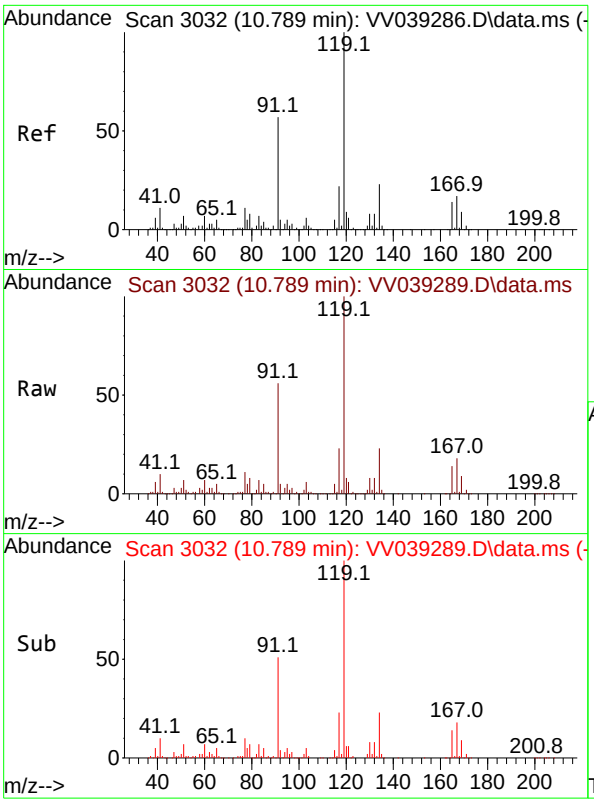


#82
4-Chlorotoluene
Concen: 50.899 ug/l
RT: 10.461 min Scan# 2930
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 91 Resp: 1605935

Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.8	44.4



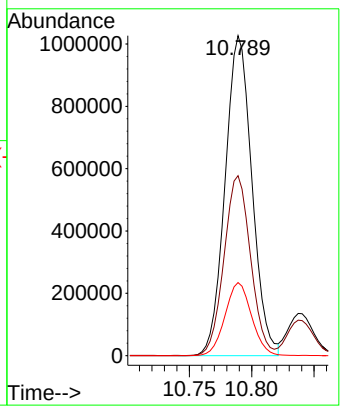


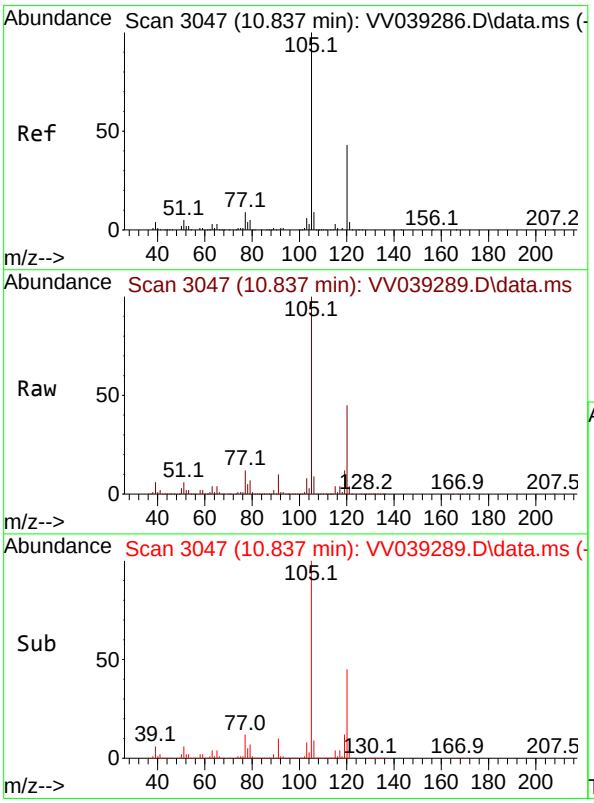
#83
tert-Butylbenzene
Concen: 50.486 ug/l
RT: 10.789 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:119 Resp: 1540578

Ion	Ratio	Lower	Upper
119	100		
91	55.6	28.2	84.7
134	22.6	11.5	34.4

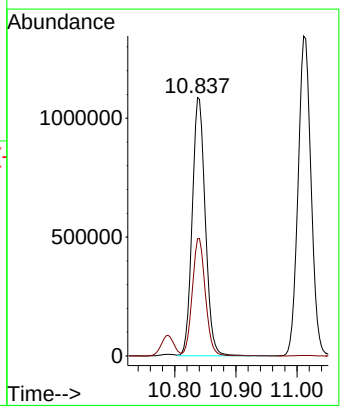


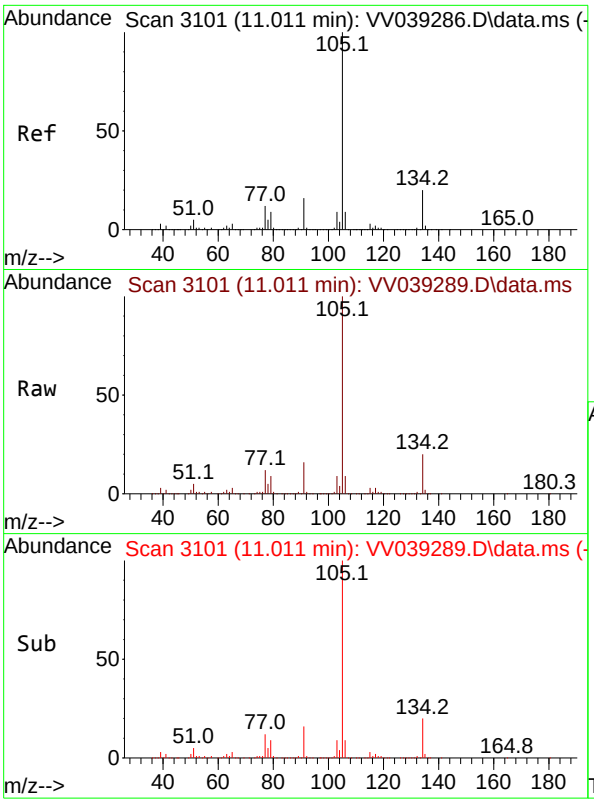


#84
1,2,4-Trimethylbenzene
Concen: 53.340 ug/l
RT: 10.837 min Scan# 3047
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:105 Resp: 1613704

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.8	68.4



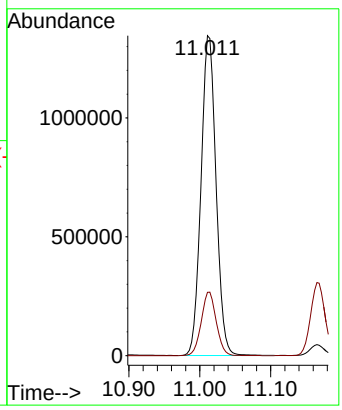


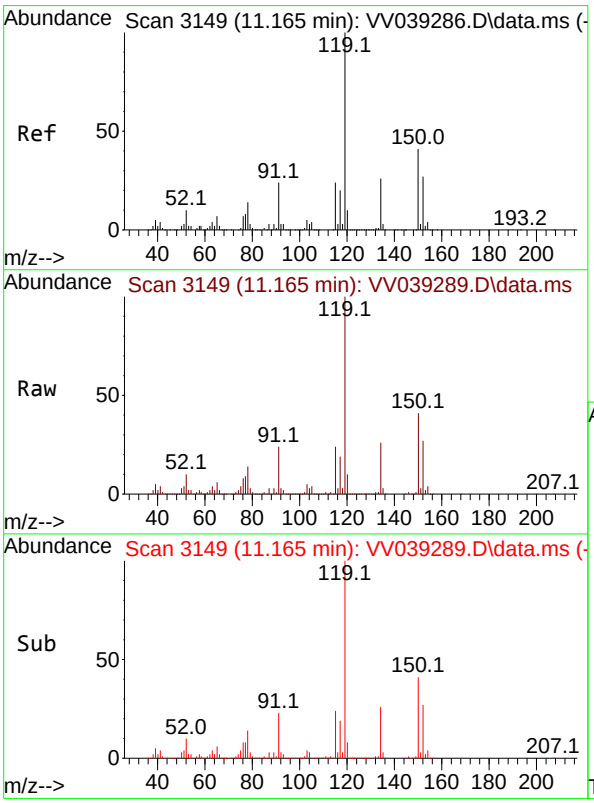
#85
sec-Butylbenzene
Concen: 51.343 ug/l
RT: 11.011 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:105 Resp: 1980923

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

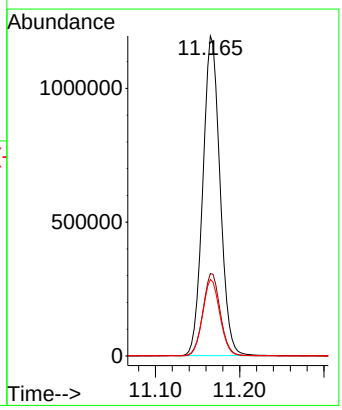


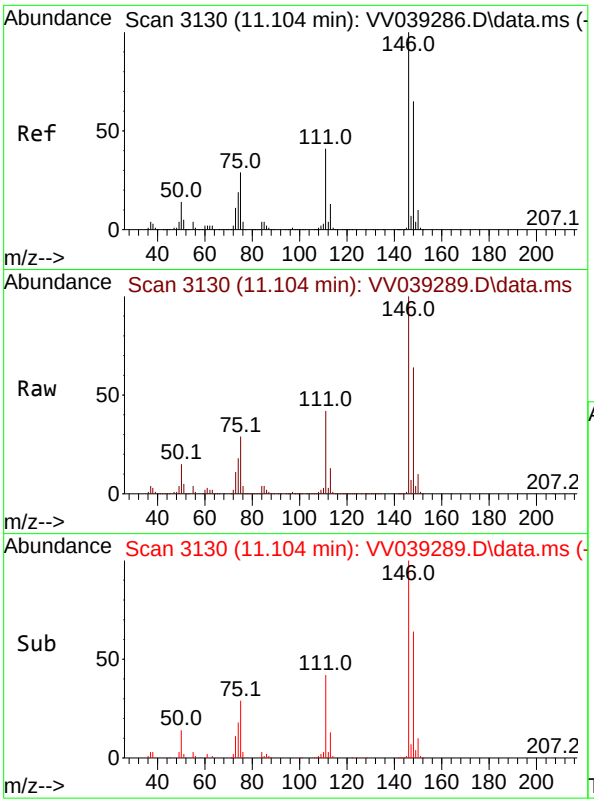


#86
p-Isopropyltoluene
Concen: 51.129 ug/l
RT: 11.165 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:119 Resp: 1696099

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	24.0	12.2	36.4



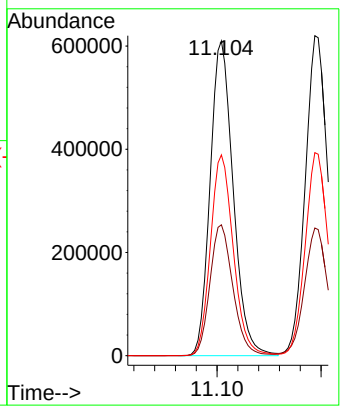


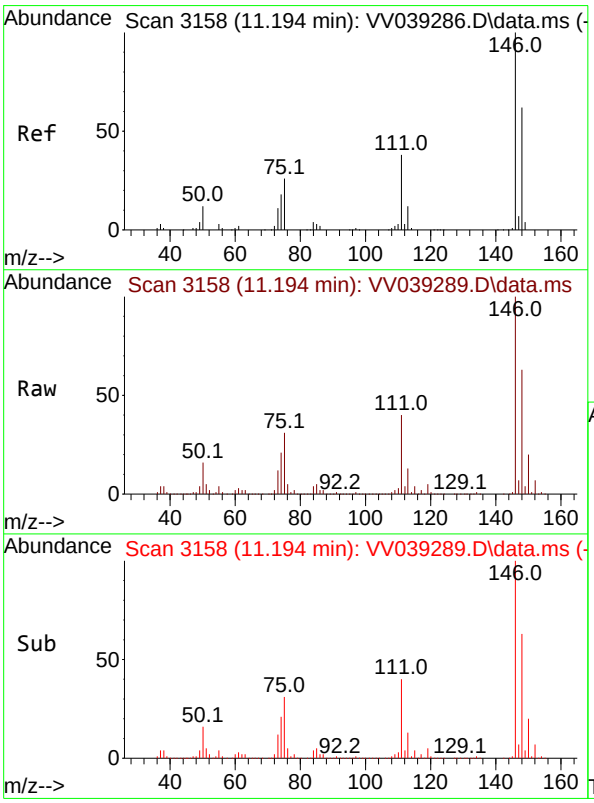
#87
1,3-Dichlorobenzene
Concen: 46.805 ug/l
RT: 11.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:146 Resp: 940381

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.8
148	63.5	31.9	95.9

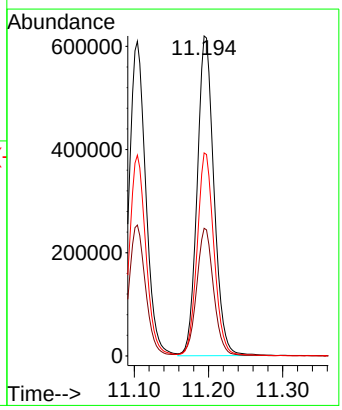


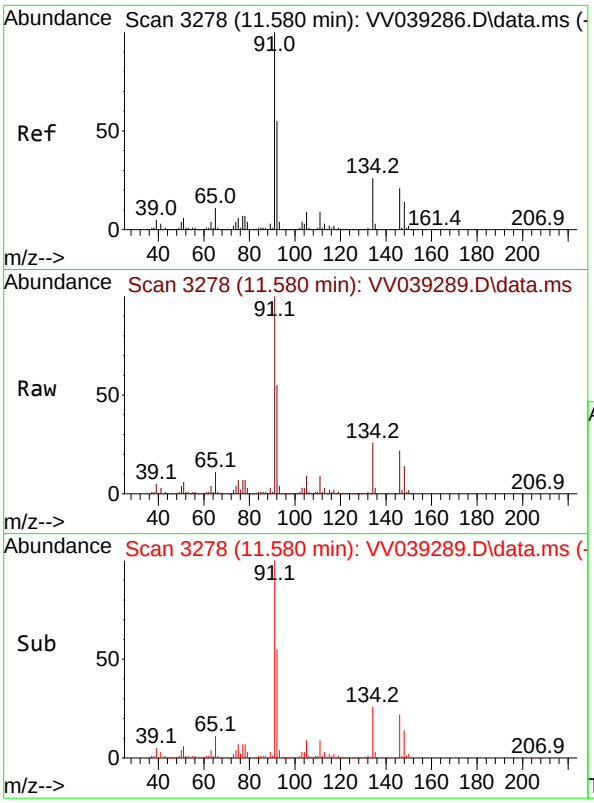


#88
1,4-Dichlorobenzene
Concen: 43.297 ug/l
RT: 11.194 min Scan# 3158
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:146 Resp: 973562

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.0
148	63.5	31.5	94.5



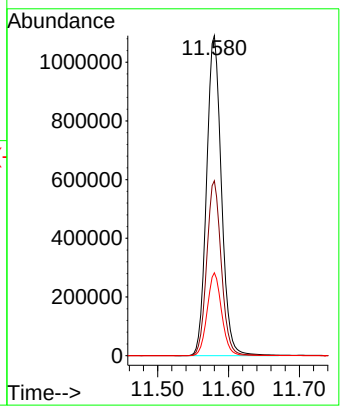


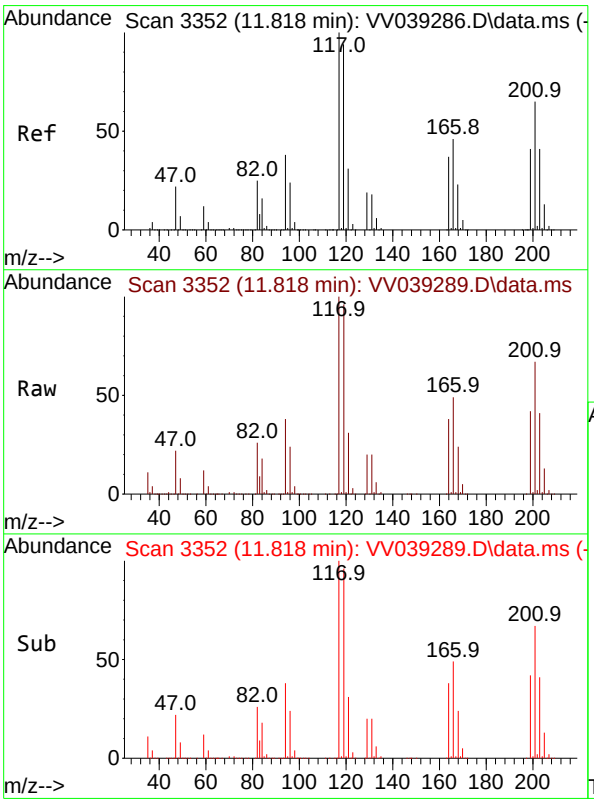
#89
n-Butylbenzene
Concen: 51.246 ug/l
RT: 11.580 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion: 91 Resp: 1583094

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.6
134	25.3	12.6	37.8

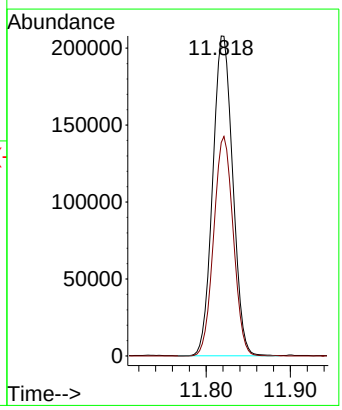


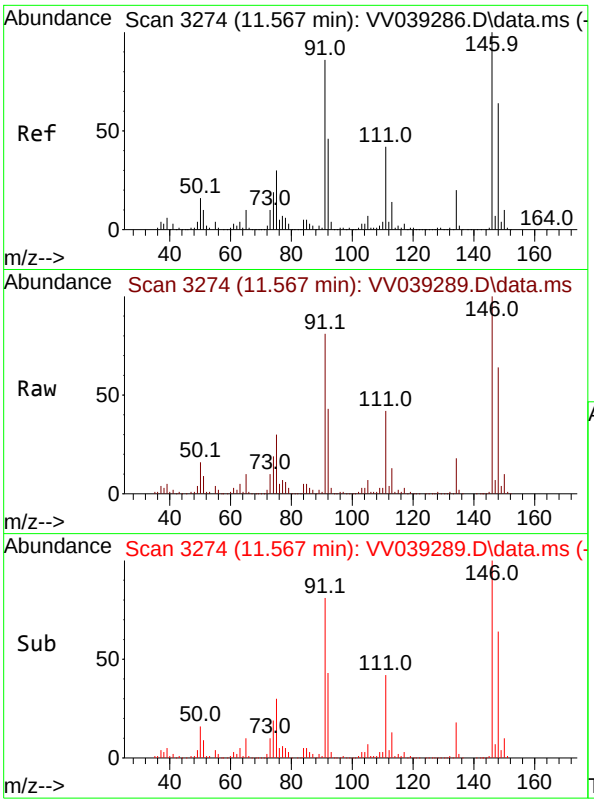


#90
Hexachloroethane
Concen: 41.723 ug/l
RT: 11.818 min Scan# 3352
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:117 Resp: 342236

Ion	Ratio	Lower	Upper
117	100		
201	67.1	33.7	101.1



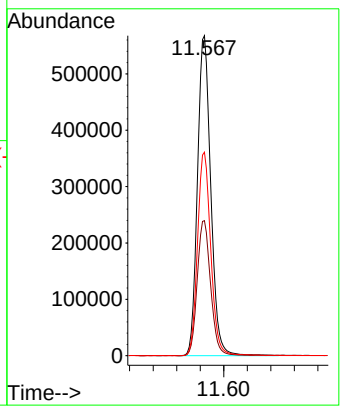


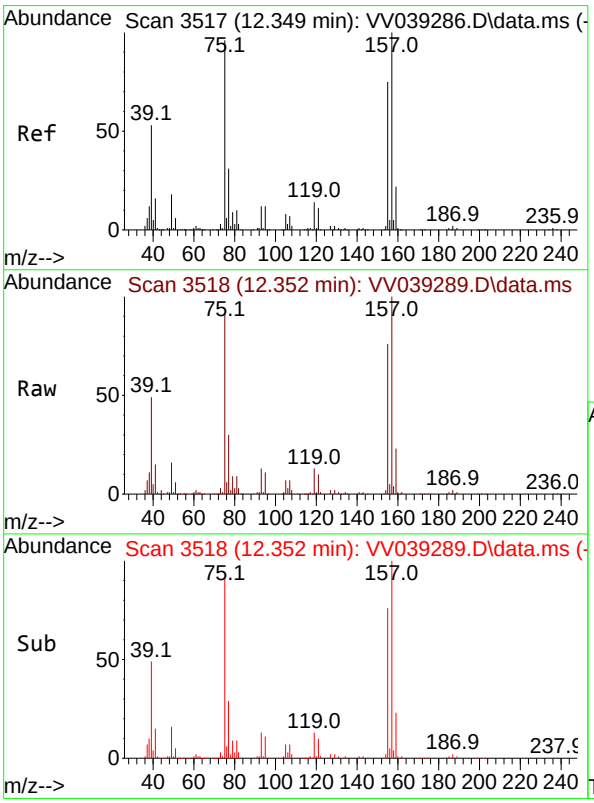
#91
1,2-Dichlorobenzene
Concen: 46.575 ug/l
RT: 11.567 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:146 Resp: 890154

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	63.5	31.9	95.7

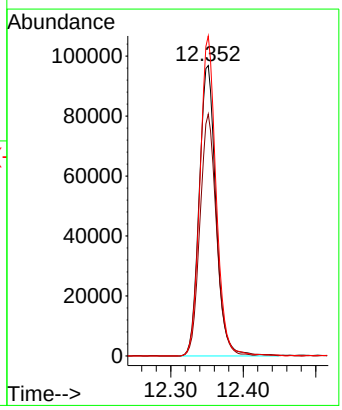


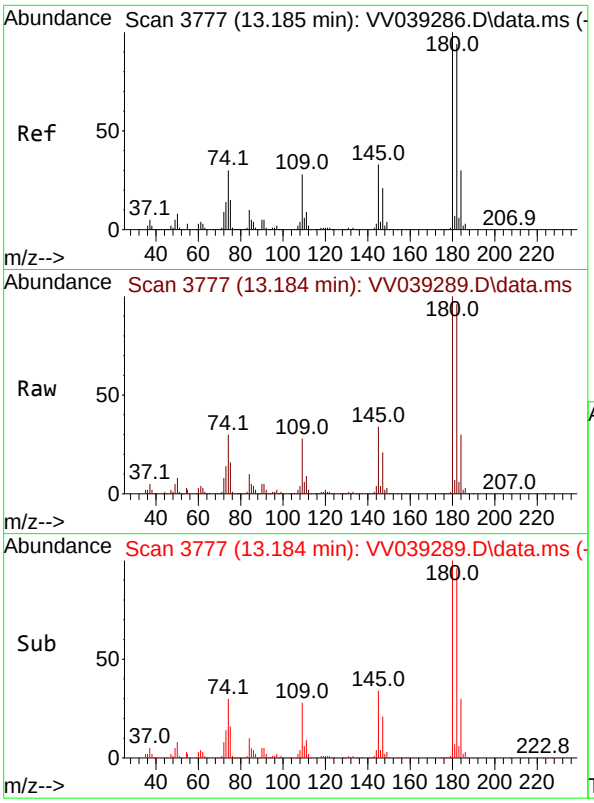


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.961 ug/l
RT: 12.352 min Scan# 3518
Delta R.T. 0.003 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion: 75 Resp: 155566

Ion	Ratio	Lower	Upper
75	100		
155	82.1	40.8	122.5
157	106.6	53.3	160.0



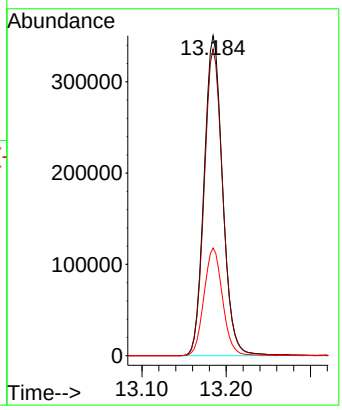


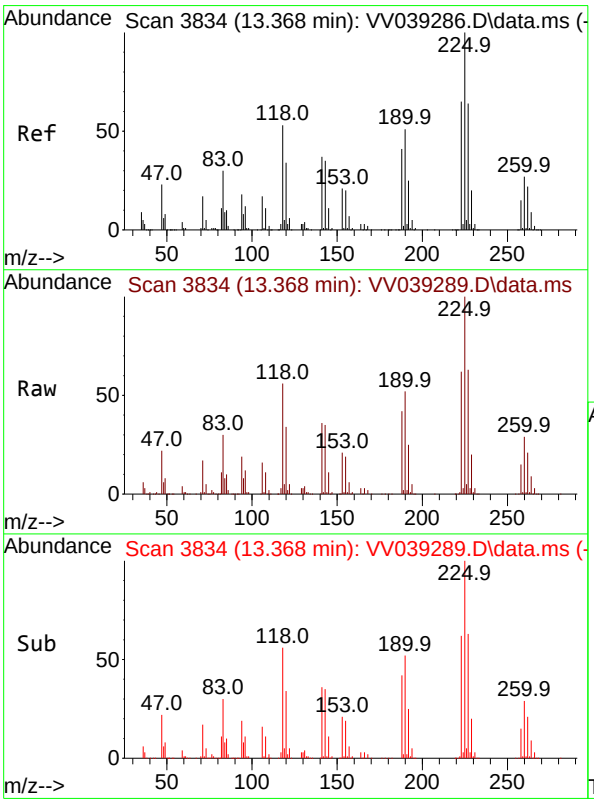
#93
1,2,4-Trichlorobenzene
Concen: 50.299 ug/l
RT: 13.184 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:180 Resp: 536155

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.9
145	33.8	16.3	48.9

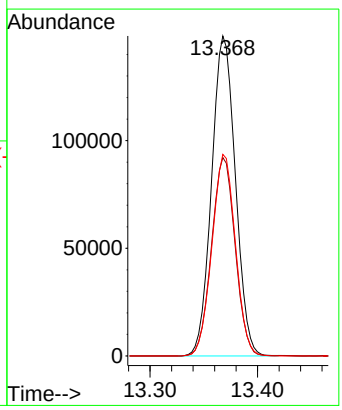


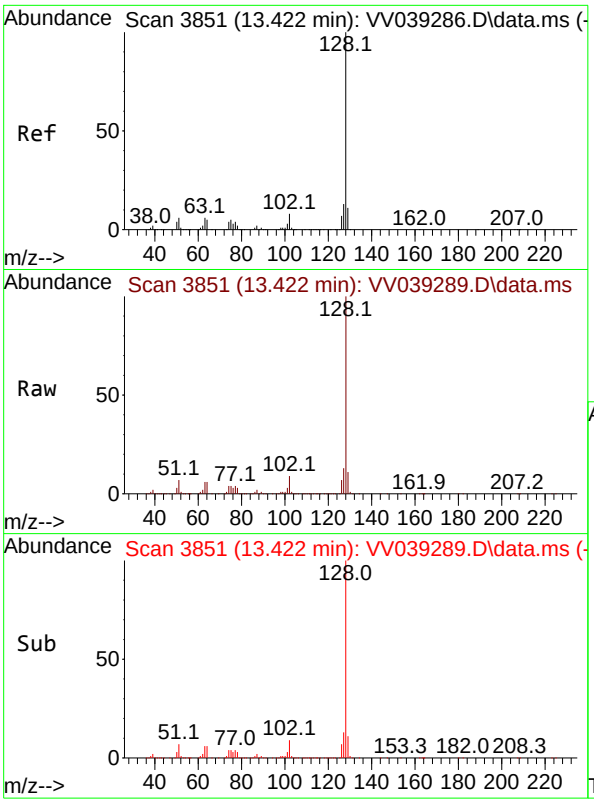


#94
Hexachlorobutadiene
Concen: 42.341 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:225 Resp: 228537

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.3	93.8
227	62.1	31.7	95.1



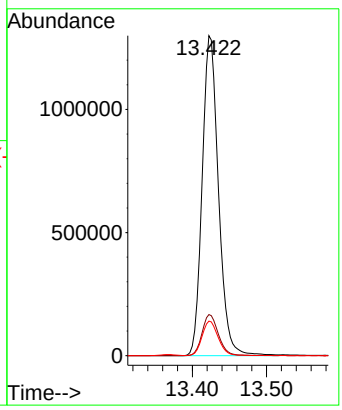


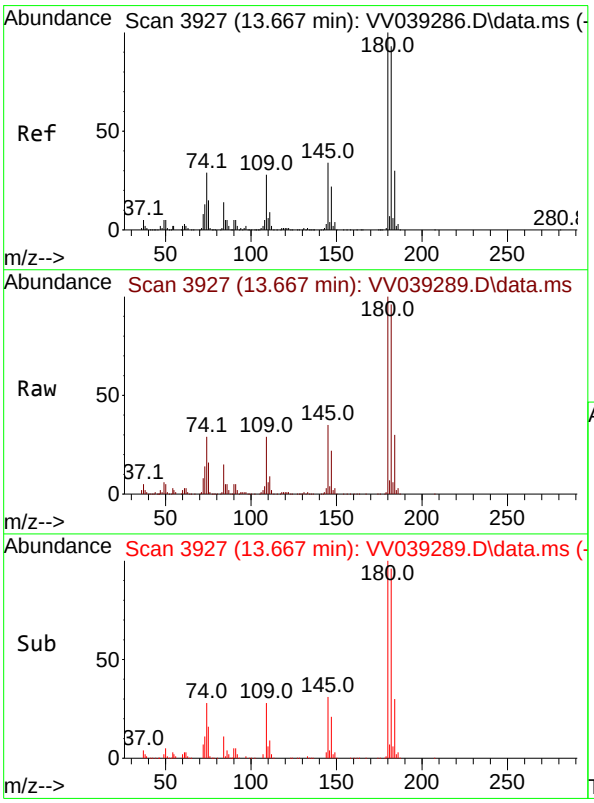
#95
Naphthalene
Concen: 56.741 ug/l
RT: 13.422 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Tgt Ion:128 Resp: 1981591

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.6	12.8

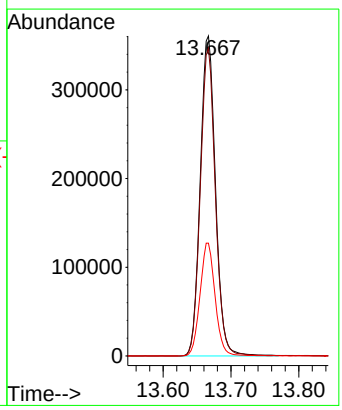




#96
1,2,3-Trichlorobenzene
Concen: 50.871 ug/l
RT: 13.667 min Scan# 3927
Delta R.T. -0.000 min
Lab File: VV039289.D
Acq: 07 Oct 2025 12:18

Tgt Ion:180 Resp: 563584

Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.7	140.1
145	34.9	17.2	51.5



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	0.632	0.586	7.3	90	0.00
3	P	Chloromethane	0.658	0.583	11.4	91	0.00
4	C	Vinyl Chloride	0.751	0.649	13.6#	89	0.00
5	T	Bromomethane	0.487	0.446	8.4	97	0.00
6	T	Chloroethane	0.507	0.403	20.5#	88	0.00
7	T	Trichlorofluoromethane	1.147	0.967	15.7	89	0.00
8	T	Diethyl Ether	0.414	0.375	9.4	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.687	0.585	14.8	90	0.00
10	T	Methyl Iodide	0.592	0.631	-6.6	91	0.00
11	T	Tert butyl alcohol	0.138	0.133	3.6	102	0.00
12	CM	1,1-Dichloroethene	0.674	0.558	17.2#	90	0.00
13	T	Acrolein	0.090	0.086	4.4	105	0.00
14	T	Allyl chloride	1.069	0.946	11.5	93	0.00
15	T	Acrylonitrile	0.408	0.372	8.8	99	0.00
16	T	Acetone	0.404	0.322	20.3#	87	0.00
17	T	Carbon Disulfide	1.904	1.548	18.7	89	0.00
18	T	Methyl Acetate	0.921	0.913	0.9	101	0.00
19	T	Methyl tert-butyl Ether	2.029	1.919	5.4	98	0.00
20	T	Methylene Chloride	0.788	0.650	17.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.710	0.584	17.7	91	0.00
22	T	Diisopropyl ether	1.919	1.862	3.0	96	0.00
23	T	Vinyl Acetate	1.685	1.658	1.6	98	0.00
24	P	1,1-Dichloroethane	1.286	1.101	14.4	93	0.00
25	T	2-Butanone	0.434	0.448	-3.2	96	0.00
26	T	2,2-Dichloropropane	1.035	0.887	14.3	89	0.00
27	T	cis-1,2-Dichloroethene	0.711	0.679	4.5	95	0.00
28	T	Bromochloromethane	0.548	0.531	3.1	100	0.00
29	T	Tetrahydrofuran	0.278	0.297	-6.8	101	0.00
30	C	Chloroform	1.311	1.148	12.4#	94	0.00
31	T	Cyclohexane	0.936	0.872	6.8	92	0.00
32	T	1,1,1-Trichloroethane	1.146	0.996	13.1	91	0.00
33	S	1,2-Dichloroethane-d4	0.710	0.708	0.3	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.394	0.379	3.8	96	0.00
36	T	1,1-Dichloropropene	0.495	0.453	8.5	91	0.00
37	T	Ethyl Acetate	0.579	0.538	7.1	99	0.00
38	T	Carbon Tetrachloride	0.603	0.527	12.6	91	0.00
39	T	Methylcyclohexane	0.566	0.557	1.6	91	0.00
40	TM	Benzene	1.588	1.478	6.9	93	0.00
41	T	Methacrylonitrile	0.207	0.254	-22.7#	101	0.00
42	TM	1,2-Dichloroethane	0.557	0.504	9.5	96	0.00
43	T	Isopropyl Acetate	0.758	0.802	-5.8	100	0.00
44	TM	Trichloroethene	0.399	0.358	10.3	91	0.00
45	C	1,2-Dichloropropane	0.386	0.382	1.0#	96	0.00
46	T	Dibromomethane	0.323	0.295	8.7	97	0.00
47	T	Bromodichloromethane	0.636	0.583	8.3	96	0.00
48	T	Methyl methacrylate	0.351	0.383	-9.1	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	113	0.00
50	S	Toluene-d8	1.340	1.336	0.3	94	0.00
51	T	4-Methyl-2-Pentanone	0.526	0.565	-7.4	100	0.00
52	CM	Toluene	0.959	0.944	1.6#	93	0.00
53	T	t-1,3-Dichloropropene	0.556	0.567	-2.0	97	0.00
54	T	cis-1,3-Dichloropropene	0.618	0.619	-0.2	95	0.00
55	T	1,1,2-Trichloroethane	0.433	0.404	6.7	97	0.00
56	T	Ethyl methacrylate	0.490	0.581	-18.6	101	0.00
57	T	1,3-Dichloropropane	0.653	0.642	1.7	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.242	0.297	-22.7#	95	0.00
59	T	2-Hexanone	0.386	0.428	-10.9	99	0.00
60	T	Dibromochloromethane	0.506	0.468	7.5	95	0.00
61	T	1,2-Dibromoethane	0.451	0.436	3.3	98	0.00
62	S	4-Bromofluorobenzene	0.477	0.500	-4.8	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.365	0.330	9.6	91	0.00
65	PM	Chlorobenzene	1.184	1.101	7.0	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.443	0.400	9.7	93	0.00
67	C	Ethyl Benzene	1.744	1.795	-2.9#	92	0.00
68	T	m/p-Xylenes	0.692	0.733	-5.9	91	0.00
69	T	o-Xylene	0.611	0.668	-9.3	93	0.00
70	T	Styrene	1.087	1.240	-14.1	94	0.00
71	P	Bromoform	0.359	0.349	2.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.036	3.085	-1.6	92	0.00
74	T	N-amyl acetate	1.251	1.298	-3.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.394	1.190	14.6	97	0.00
76	T	1,2,3-Trichloropropane	0.998	0.904	9.4	98	0.00
77	T	Bromobenzene	0.835	0.796	4.7	94	0.00
78	T	n-propylbenzene	3.684	3.744	-1.6	92	0.00
79	T	2-Chlorotoluene	2.275	2.260	0.7	92	0.00
80	T	1,3,5-Trimethylbenzene	2.546	2.663	-4.6	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.395	0.402	-1.8	96	0.00
82	T	4-Chlorotoluene	2.614	2.661	-1.8	92	0.00
83	T	tert-Butylbenzene	2.529	2.553	-0.9	93	0.00
84	T	1,2,4-Trimethylbenzene	2.507	2.674	-6.7	93	0.00
85	T	sec-Butylbenzene	3.197	3.283	-2.7	91	0.00
86	T	p-Isopropyltoluene	2.749	2.811	-2.3	91	0.00
87	T	1,3-Dichlorobenzene	1.665	1.558	6.4	93	0.00
88	T	1,4-Dichlorobenzene	1.863	1.613	13.4	92	0.00
89	T	n-Butylbenzene	2.560	2.624	-2.5	91	0.00
90	T	Hexachloroethane	0.680	0.567	16.6	92	0.00
91	T	1,2-Dichlorobenzene	1.584	1.475	6.9	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.287	0.258	10.1	100	0.00
93	T	1,2,4-Trichlorobenzene	0.883	0.889	-0.7	93	0.00
94	T	Hexachlorobutadiene	0.447	0.379	15.2	91	0.00
95	T	Naphthalene	2.894	3.284	-13.5	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.918	0.934	-1.7	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	50.000	46.376	7.2	90	0.00
3	P	Chloromethane	50.000	44.282	11.4	91	0.00
4	C	Vinyl Chloride	50.000	43.215	13.6#	89	0.00
5	T	Bromomethane	50.000	45.740	8.5	97	0.00
6	T	Chloroethane	50.000	48.557	2.9	88	0.00
7	T	Trichlorofluoromethane	50.000	42.149	15.7	89	0.00
8	T	Diethyl Ether	50.000	45.237	9.5	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	42.617	14.8	90	0.00
10	T	Methyl Iodide	50.000	53.291	-6.6	91	0.00
11	T	Tert butyl alcohol	250.000	242.332	3.1	102	0.00
12	CM	1,1-Dichloroethene	50.000	41.358	17.3#	90	0.00
13	T	Acrolein	250.000	270.420	-8.2	105	0.00
14	T	Allyl chloride	50.000	44.280	11.4	93	0.00
15	T	Acrylonitrile	250.000	227.676	8.9	99	0.00
16	T	Acetone	250.000	243.690	2.5	87	0.00
17	T	Carbon Disulfide	50.000	40.636	18.7	89	0.00
18	T	Methyl Acetate	50.000	49.559	0.9	101	0.00
19	T	Methyl tert-butyl Ether	50.000	47.288	5.4	98	0.00
20	T	Methylene Chloride	50.000	51.647	-3.3	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	41.150	17.7	91	0.00
22	T	Diisopropyl ether	50.000	48.515	3.0	96	0.00
23	T	Vinyl Acetate	250.000	246.068	1.6	98	0.00
24	P	1,1-Dichloroethane	50.000	42.816	14.4	93	0.00
25	T	2-Butanone	250.000	257.562	-3.0	96	0.00
26	T	2,2-Dichloropropane	50.000	42.820	14.4	89	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.770	4.5	95	0.00
28	T	Bromochloromethane	50.000	48.442	3.1	100	0.00
29	T	Tetrahydrofuran	250.000	266.937	-6.8	101	0.00
30	C	Chloroform	50.000	43.769	12.5#	94	0.00
31	T	Cyclohexane	50.000	46.556	6.9	92	0.00
32	T	1,1,1-Trichloroethane	50.000	43.440	13.1	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.815	0.4	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	48.132	3.7	96	0.00
36	T	1,1-Dichloropropene	50.000	45.731	8.5	91	0.00
37	T	Ethyl Acetate	50.000	46.408	7.2	99	0.00
38	T	Carbon Tetrachloride	50.000	43.684	12.6	91	0.00
39	T	Methylcyclohexane	50.000	49.258	1.5	91	0.00
40	TM	Benzene	50.000	46.558	6.9	93	0.00
41	T	Methacrylonitrile	50.000	51.206	-2.4	101	0.00
42	TM	1,2-Dichloroethane	50.000	45.210	9.6	96	0.00
43	T	Isopropyl Acetate	50.000	52.879	-5.8	100	0.00
44	TM	Trichloroethene	50.000	44.830	10.3	91	0.00
45	C	1,2-Dichloropropane	50.000	49.440	1.1#	96	0.00
46	T	Dibromomethane	50.000	45.727	8.5	97	0.00
47	T	Bromodichloromethane	50.000	45.813	8.4	96	0.00
48	T	Methyl methacrylate	50.000	54.443	-8.9	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1179.813	-18.0	113	0.00
50	S	Toluene-d8	50.000	49.827	0.3	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.622	-7.4	100	0.00
52	CM	Toluene	50.000	49.249	1.5#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	50.992	-2.0	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.088	-0.2	95	0.00
55	T	1,1,2-Trichloroethane	50.000	46.606	6.8	97	0.00
56	T	Ethyl methacrylate	50.000	59.189	-18.4	101	0.00
57	T	1,3-Dichloropropane	50.000	49.151	1.7	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	249.980	0.0	95	0.00
59	T	2-Hexanone	250.000	276.742	-10.7	99	0.00
60	T	Dibromochloromethane	50.000	46.246	7.5	95	0.00
61	T	1,2-Dibromoethane	50.000	48.399	3.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	52.365	-4.7	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	45.191	9.6	91	0.00
65	PM	Chlorobenzene	50.000	46.522	7.0	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.078	9.8	93	0.00
67	C	Ethyl Benzene	50.000	51.482	-3.0#	92	0.00
68	T	m/p-Xylenes	100.000	105.928	-5.9	91	0.00
69	T	o-Xylene	50.000	54.666	-9.3	93	0.00
70	T	Styrene	50.000	57.079	-14.2	94	0.00
71	P	Bromoform	50.000	48.605	2.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	50.809	-1.6	92	0.00
74	T	N-amyl acetate	50.000	51.855	-3.7	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	42.658	14.7	97	0.00
76	T	1,2,3-Trichloropropane	50.000	45.277	9.4	98	0.00
77	T	Bromobenzene	50.000	47.667	4.7	94	0.00
78	T	n-propylbenzene	50.000	50.814	-1.6	92	0.00
79	T	2-Chlorotoluene	50.000	49.689	0.6	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.291	-4.6	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.910	-1.8	96	0.00
82	T	4-Chlorotoluene	50.000	50.899	-1.8	92	0.00
83	T	tert-Butylbenzene	50.000	50.486	-1.0	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.340	-6.7	93	0.00
85	T	sec-Butylbenzene	50.000	51.343	-2.7	91	0.00
86	T	p-Isopropyltoluene	50.000	51.129	-2.3	91	0.00
87	T	1,3-Dichlorobenzene	50.000	46.805	6.4	93	0.00
88	T	1,4-Dichlorobenzene	50.000	43.297	13.4	92	0.00
89	T	n-Butylbenzene	50.000	51.246	-2.5	91	0.00
90	T	Hexachloroethane	50.000	41.723	16.6	92	0.00
91	T	1,2-Dichlorobenzene	50.000	46.575	6.8	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.961	10.1	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.299	-0.6	93	0.00
94	T	Hexachlorobutadiene	50.000	42.341	15.3	91	0.00
95	T	Naphthalene	50.000	56.741	-13.5	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.871	-1.7	94	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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3434

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3434

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

* 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 GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025
Response Via : Initial Calibration

Calibration Files
5 =VY023384.D 10 =VY023385.D 20 =VY023386.D 50 =VY023387.D 100 =VY023388.D 150 =VY023389.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.397	0.399	0.400	0.321	0.310	0.333	0.360	11.97
3)	P	Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.45
4)	C	Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.59#
5)	T	Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.42
6)	T	Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.67
7)	T	Trichlorofluor...	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.54
8)	T	Diethyl Ether	0.240	0.239	0.236	0.215	0.224	0.237	0.232	4.42
9)	T	1,1,2-Trichlor...	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.57
10)	T	Methyl Iodide	0.404	0.503	0.518	0.538	0.547	0.562	0.512	11.09
11)	T	Tert butyl alc...	0.033	0.037	0.030	0.025	0.029	0.033	0.031	13.08
12)	CM	1,1-Dichloroet...	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.14#
13)	T	Acrolein	0.045	0.043	0.042	0.042	0.044	0.048	0.044	5.27
14)	T	Allyl chloride	0.540	0.555	0.546	0.526	0.535	0.560	0.544	2.33
15)	T	Acrylonitrile	0.088	0.093	0.086	0.082	0.088	0.095	0.089	5.52
16)	T	Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.67
17)	T	Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.74
18)	T	Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6.00
19)	T	Methyl tert-bu...	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.30
20)	T	Methylene Chlo...	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.41
21)	T	trans-1,2-Dich...	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.95
22)	T	Diisopropyl ether	1.107	1.238	1.255	1.163	1.195	1.257	1.202	4.95
23)	T	Vinyl Acetate	0.594	0.646	0.651	0.625	0.667	0.722	0.651	6.65
24)	P	1,1-Dichloroet...	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.90
25)	T	2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.56
26)	T	2,2-Dichloropr...	0.752	0.771	0.731	0.705	0.699	0.726	0.731	3.74
27)	T	cis-1,2-Dichlo...	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.81
28)	T	Bromochloromet...	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.22
29)	T	Tetrahydrofuran	0.066	0.070	0.067	0.064	0.070	0.078	0.069	7.25
30)	C	Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.54#
31)	T	Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.27
32)	T	1,1,1-Trichlor...	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.08
33)	S	1,2-Dichloroet...	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.21
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.62
36)	T	1,1-Dichloropr...	0.395	0.413	0.413	0.397	0.405	0.417	0.407	2.20
37)	T	Ethyl Acetate	0.148	0.162	0.163	0.150	0.164	0.179	0.161	6.94
38)	T	Carbon Tetrach...	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.14
39)	T	Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7.03
40)	TM	Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.22
41)	T	Methacrylonitrile	0.082	0.085	0.091	0.080	0.089	0.096	0.087	7.09
42)	TM	1,2-Dichloroet...	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.59
43)	T	Isopropyl Acetate	0.297	0.313	0.313	0.302	0.335	0.369	0.321	8.32
44)	TM	Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.81
45)	C	1,2-Dichloropr...	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.89#
46)	T	Dibromomethane	0.172	0.182	0.183	0.173	0.181	0.188	0.180	3.43
47)	T	Bromodichlorom...	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.70
48)	T	Methyl methacr...	0.125	0.139	0.149	0.148	0.165	0.181	0.151	12.98
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.06
50)	S	Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2.03
51)	T	4-Methyl-2-Pen...	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.55
52)	CM	Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.49#
53)	T	t-1,3-Dichloro...	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.24
54)	T	cis-1,3-Dichlo...	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.86
55)	T	1,1,2-Trichlor...	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.52
56)	T	Ethyl methacry...	0.219	0.248	0.262	0.279	0.321	0.345	0.279	16.80

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y100725S.M

57)	T	1,3-Dichloropr...	0.361	0.381	0.383	0.374	0.392	0.409	0.383	4.26
58)	T	2-Chloroethyl ...	0.093	0.112	0.112	0.129	0.145	0.159	0.125	19.35
59)	T	2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.86
60)	T	Dibromochlorom...	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.69
61)	T	1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.16
62)	S	4-Bromofluorob...	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.51
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.92
65)	PM	Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.89
66)	T	1,1,1,2-Tetrac...	0.388	0.389	0.390	0.373	0.384	0.402	0.388	2.44
67)	C	Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.54#
68)	T	m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.54
69)	T	o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.15
70)	T	Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.55
71)	P	Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.41
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.30
74)	T	N-amyl acetate	0.477	0.535	0.556	0.581	0.665	0.738	0.592	15.95
75)	P	1,1,2,2-Tetrac...	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.60
76)	T	1,2,3-Trichlor...	0.406	0.399	0.484	0.433	0.455	0.469	0.441	7.76
77)	T	Bromobenzene	0.849	0.880	0.885	0.845	0.877	0.921	0.876	3.14
78)	T	n-propylbenzene	3.373	3.676	3.906	3.883	3.955	4.086	3.813	6.64
79)	T	2-Chlorotoluene	2.095	2.208	2.282	2.227	2.249	2.338	2.233	3.66
80)	T	1,3,5-Trimethy...	2.309	2.557	2.736	2.706	2.772	2.896	2.663	7.70
81)	T	trans-1,4-Dich...	0.171	0.175	0.176	0.169	0.185	0.203	0.180	7.04
82)	T	4-Chlorotoluene	2.173	2.266	2.362	2.276	2.316	2.404	2.300	3.52
83)	T	tert-Butylbenzene	2.199	2.363	2.465	2.522	2.533	2.668	2.458	6.55
84)	T	1,2,4-Trimethy...	2.301	2.552	2.701	2.706	2.782	2.903	2.657	7.86
85)	T	sec-Butylbenzene	3.175	3.388	3.571	3.583	3.664	3.778	3.527	6.08
86)	T	p-Isopropyltol...	2.575	2.804	3.032	3.087	3.183	3.334	3.003	9.09
87)	T	1,3-Dichlorobe...	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.85
88)	T	1,4-Dichlorobe...	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.33
89)	T	n-Butylbenzene	2.279	2.428	2.626	2.682	2.778	2.904	2.616	8.76
90)	T	Hexachloroethane	0.667	0.631	0.647	0.625	0.643	0.662	0.646	2.54
91)	T	1,2-Dichlorobe...	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.13
92)	T	1,2-Dibromo-3-...	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.18
93)	T	1,2,4-Trichlor...	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.75
94)	T	Hexachlorobuta...	0.590	0.571	0.572	0.577	0.587	0.590	0.581	1.52
95)	T	Naphthalene	1.206	1.281	1.346	1.466	1.722	1.887	1.485	17.98
96)	T	1,2,3-Trichlor...	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.14

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	585717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	882488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	753398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	378104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	26670	5.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.520%#		
35) Dibromofluoromethane	7.634	113	27455	5.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.260%#		
50) Toluene-d8	10.103	98	99905	4.946	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.900%#		
62) 4-Bromofluorobenzene	12.401	95	35355	5.548	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.100%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	23245	5.038	ug/l	92
3) Chloromethane	2.074	50	30346	4.627	ug/l	94
4) Vinyl Chloride	2.202	62	38657	4.668	ug/l	95
5) Bromomethane	2.598	94	35214	5.184	ug/l	94
6) Chloroethane	2.732	64	25848	4.597	ug/l	98
7) Trichlorofluoromethane	3.055	101	51797	4.869	ug/l	98
8) Diethyl Ether	3.452	74	14079	5.060	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	28368	4.989	ug/l	99
10) Methyl Iodide	4.007	142	23692	3.606	ug/l	99
11) Tert butyl alcohol	4.854	59	9774	32.746	ug/l #	80
12) 1,1-Dichloroethene	3.787	96	26290	4.806	ug/l	94
13) Acrolein	3.653	56	13176	26.054	ug/l	100
14) Allyl chloride	4.385	41	31614	4.616	ug/l	98
15) Acrylonitrile	5.055	53	25891	23.754	ug/l	99
16) Acetone	3.866	43	37573	32.940	ug/l	96
17) Carbon Disulfide	4.104	76	75645	4.432	ug/l	99
18) Methyl Acetate	4.391	43	14279	4.926	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	58919	4.600	ug/l	95
20) Methylene Chloride	4.616	84	36598	5.917	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	28923	4.754	ug/l	99
22) Diisopropyl ether	6.018	45	64833	4.269	ug/l	94
23) Vinyl Acetate	5.964	43	173851	20.824	ug/l	99
24) 1,1-Dichloroethane	5.909	63	46850	4.679	ug/l	100
25) 2-Butanone	6.890	43	38990	27.656	ug/l	93
26) 2,2-Dichloropropane	6.884	77	44062	4.953	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	31743	4.600	ug/l	98
28) Bromochloromethane	7.244	49	19445	5.006	ug/l	99
29) Tetrahydrofuran	7.262	42	19296	23.059	ug/l	98
30) Chloroform	7.421	83	51887	4.806	ug/l	97
31) Cyclohexane	7.707	56	46675	5.279	ug/l #	79
32) 1,1,1-Trichloroethane	7.616	97	47305	4.881	ug/l	99
36) 1,1-Dichloropropene	7.835	75	34888	4.617	ug/l	98
37) Ethyl Acetate	6.982	43	13082	4.379	ug/l #	93
38) Carbon Tetrachloride	7.817	117	42654	4.859	ug/l	95
39) Methylcyclohexane	9.109	83	43329	4.479	ug/l	98
40) Benzene	8.079	78	110551	4.693	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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	7.225	41	7226m	4.658 ug/l	
42) 1,2-Dichloroethane	8.158	62	28940	4.828 ug/l	100
43) Isopropyl Acetate	8.201	43	26166	4.503 ug/l	99
44) Trichloroethene	8.859	130	33564	5.077 ug/l	99
45) 1,2-Dichloropropane	9.140	63	24358	4.595 ug/l	92
46) Dibromomethane	9.231	93	15179	4.682 ug/l	97
47) Bromodichloromethane	9.420	83	38813	4.756 ug/l	93
48) Methyl methacrylate	9.219	41	11038	4.071 ug/l	98
49) 1,4-Dioxane	9.219	88	3255	96.953 ug/l #	86
51) 4-Methyl-2-Pentanone	9.999	43	62279	20.925 ug/l	98
52) Toluene	10.170	92	68550	4.585 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	31477	4.491 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	37392	4.463 ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	20641	4.786 ug/l	97
56) Ethyl methacrylate	10.438	69	19324	3.891 ug/l	94
57) 1,3-Dichloropropane	10.719	76	31831	4.560 ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	41054m	18.894 ug/l	
59) 2-Hexanone	10.761	43	47778	23.185 ug/l	97
60) Dibromochloromethane	10.908	129	28135	4.783 ug/l	97
61) 1,2-Dibromoethane	11.017	107	18957	4.673 ug/l	97
64) Tetrachloroethene	10.646	164	40570	5.383 ug/l	98
65) Chlorobenzene	11.444	112	81802	4.997 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	29222	5.075 ug/l	97
67) Ethyl Benzene	11.517	91	121005	4.529 ug/l	99
68) m/p-Xylenes	11.633	106	95176	8.887 ug/l	100
69) o-Xylene	11.956	106	44280	4.466 ug/l	98
70) Styrene	11.969	104	67960	4.152 ug/l	99
71) Bromoform	12.133	173	16988	4.929 ug/l #	99
73) Isopropylbenzene	12.255	105	112194	4.455 ug/l	99
74) N-amyl acetate	12.066	43	18041	3.833 ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	20052	4.773 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	15359m	4.118 ug/l	
77) Bromobenzene	12.529	156	32106	4.967 ug/l	99
78) n-propylbenzene	12.596	91	127521	4.305 ug/l	99
79) 2-Chlorotoluene	12.676	91	79199	4.631 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	87297	4.264 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	6474	4.680 ug/l	98
82) 4-Chlorotoluene	12.779	91	82155	4.600 ug/l	100
83) tert-Butylbenzene	12.999	119	83151	4.457 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	86988	4.294 ug/l	99
85) sec-Butylbenzene	13.176	105	120061	4.443 ug/l	99
86) p-Isopropyltoluene	13.291	119	97377	4.264 ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	63027	4.936 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	64389	5.085 ug/l	95
89) n-Butylbenzene	13.615	91	86179	4.274 ug/l	99
90) Hexachloroethane	13.877	117	25204	5.084 ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	56167	5.041 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3305	4.964 ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	32000	4.875 ug/l	99
94) Hexachlorobutadiene	15.023	225	22316	5.456 ug/l	99
95) Naphthalene	15.145	128	45598	4.360 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	27176	4.772 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

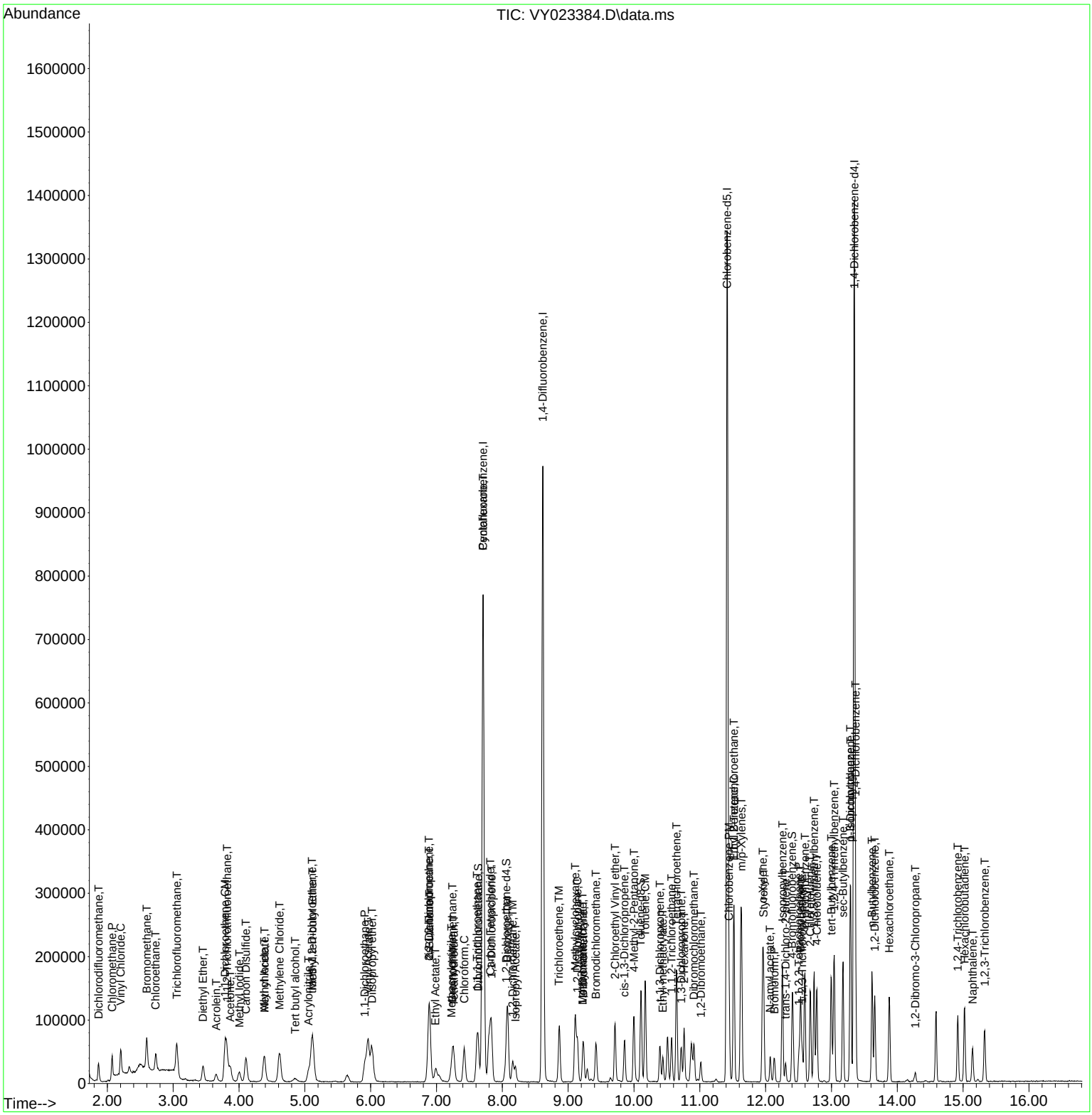
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

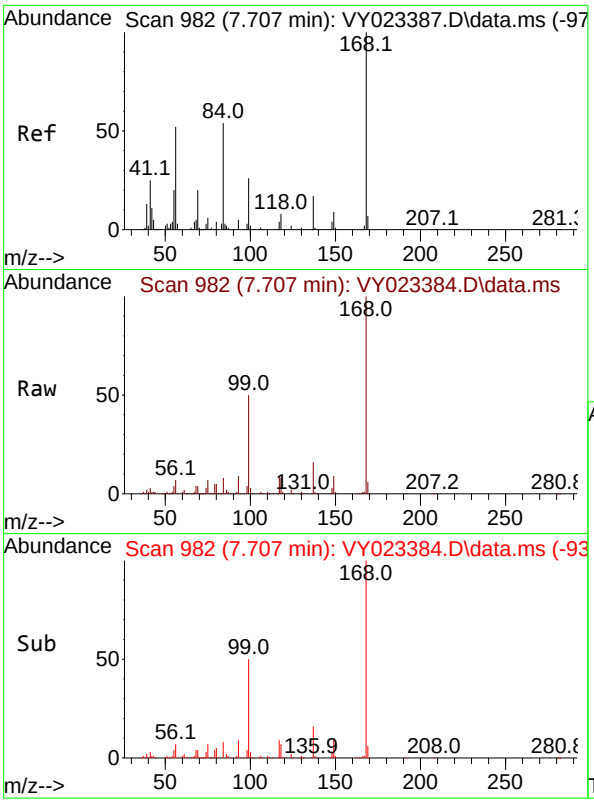
Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

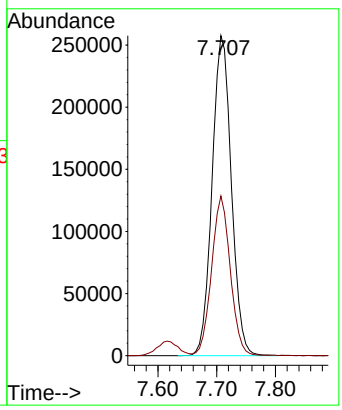
Tgt Ion:168 Resp: 58571

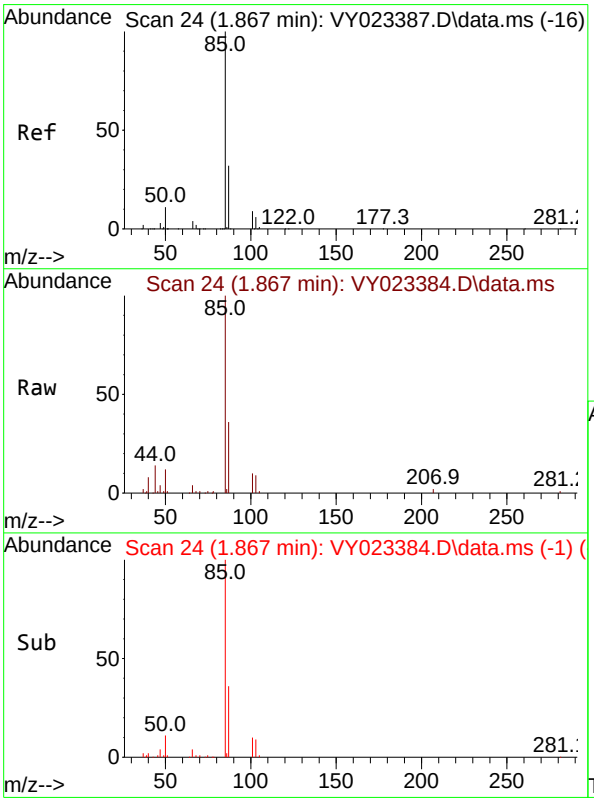
Ion	Ratio	Lower	Upper
168	100		
99	49.8	39.7	59.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

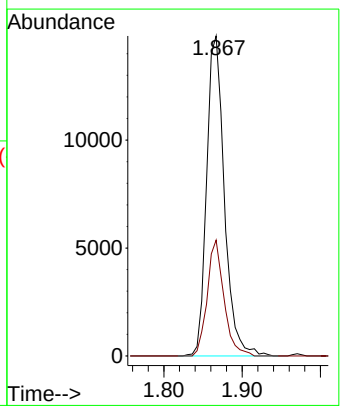


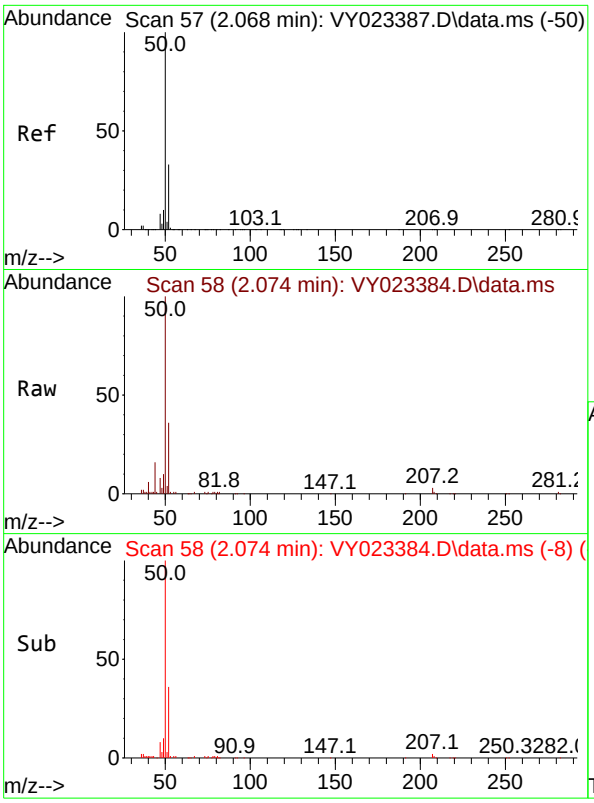


#2
Dichlorodifluoromethane
Concen: 5.038 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 85 Resp: 23245

Ion	Ratio	Lower	Upper
85	100		
87	36.2	16.0	47.9

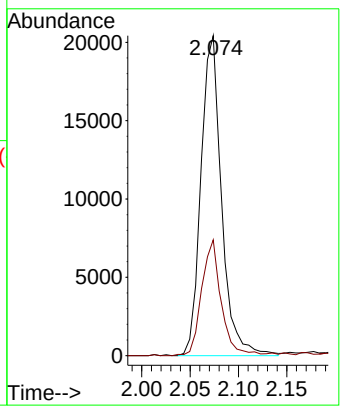




#3
Chloromethane
Concen: 4.627 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 50 Resp: 3034

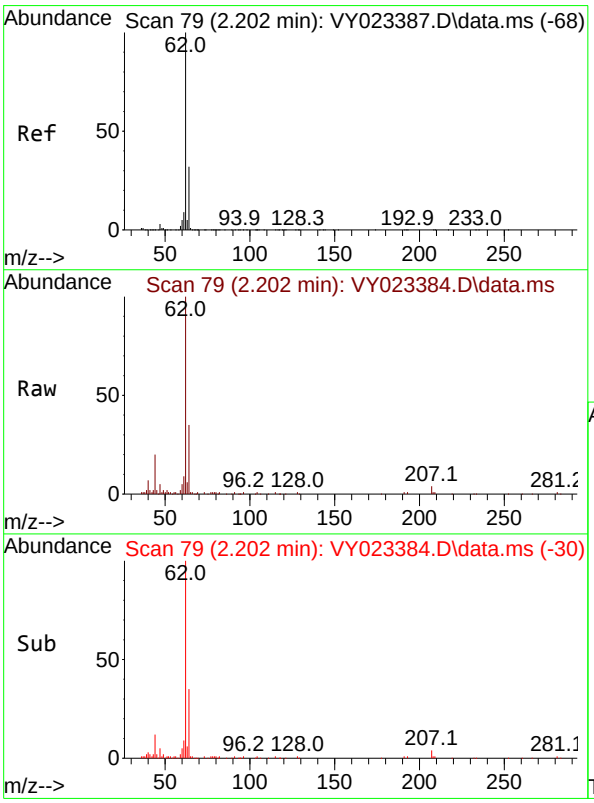
Ion	Ratio	Lower	Upper
50	100		
52	35.8	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

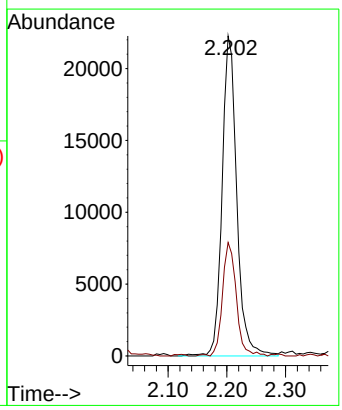
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

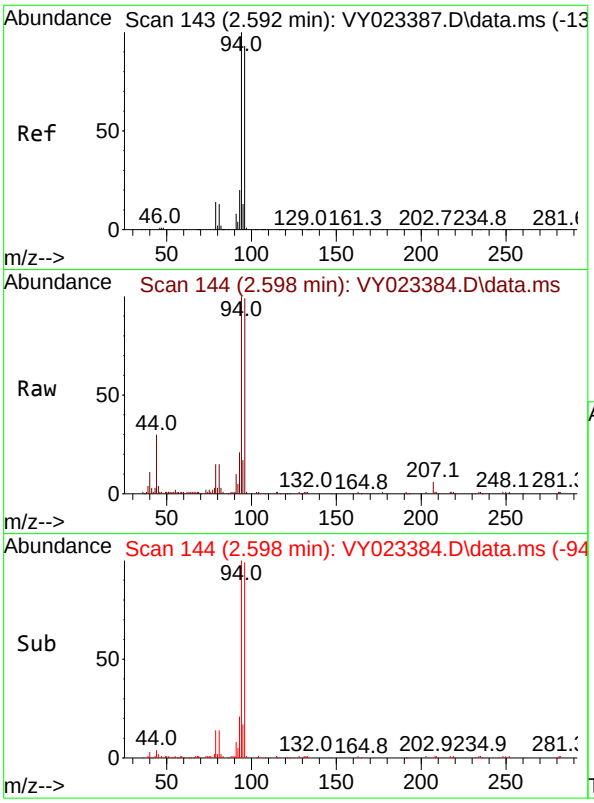


#4
Vinyl Chloride
Concen: 4.668 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 62 Resp: 38657

Ion	Ratio	Lower	Upper
62	100		
64	35.0	25.8	38.8





#5
Bromomethane
Concen: 5.184 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

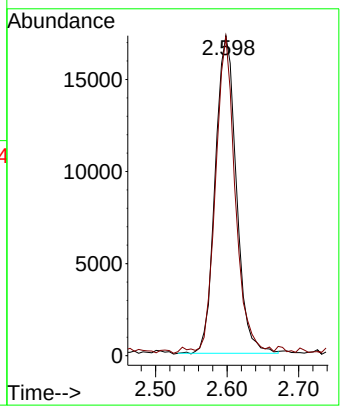
Tgt Ion: 94 Resp: 3521

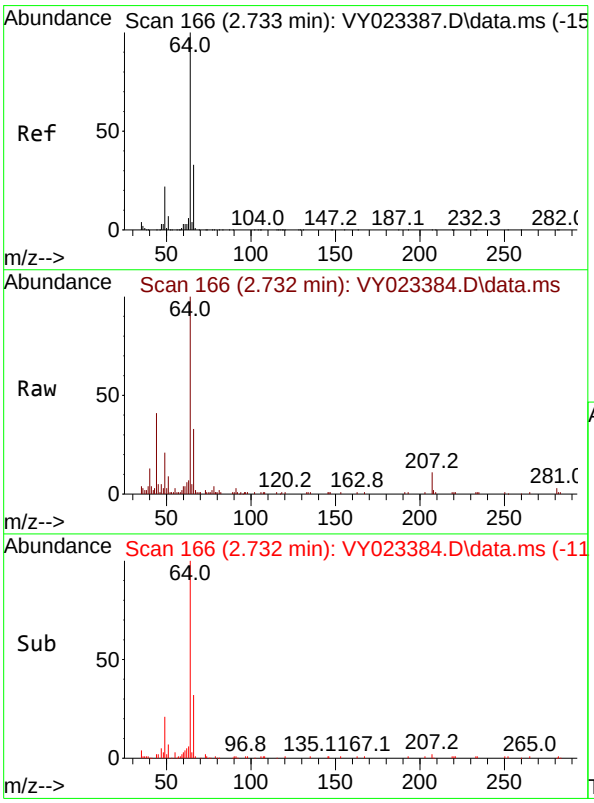
Ion	Ratio	Lower	Upper
94	100		
96	99.0	74.5	111.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

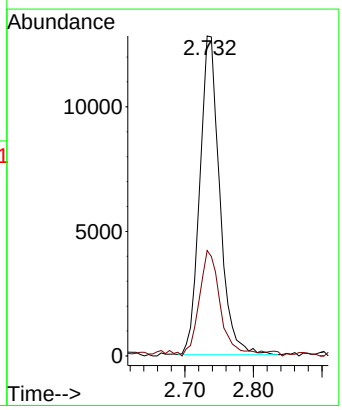


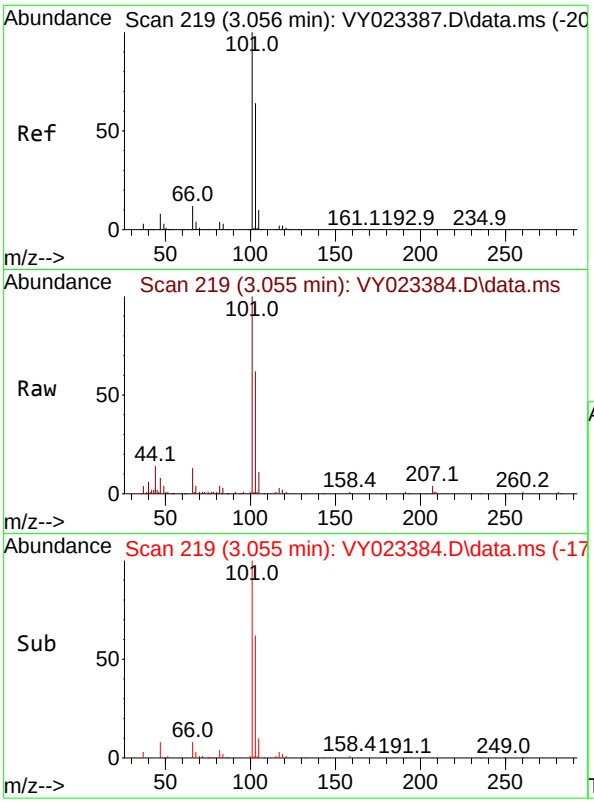


#6
Chloroethane
Concen: 4.597 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 64 Resp: 25848

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.2	39.4





#7
Trichlorofluoromethane
Concen: 4.869 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

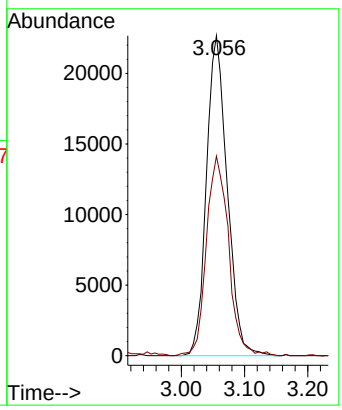
Tgt Ion:101 Resp: 5179

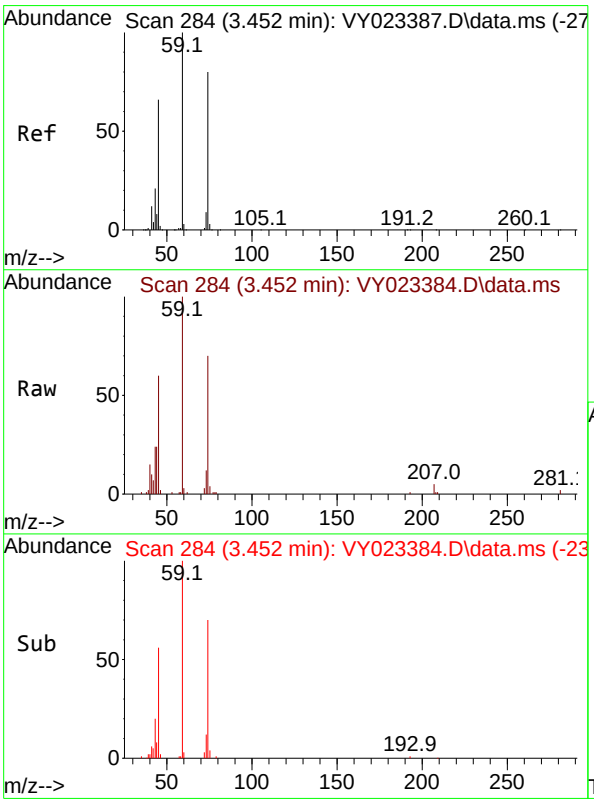
Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

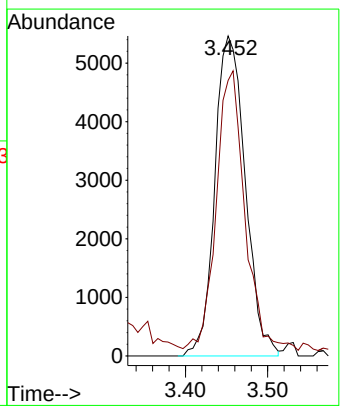


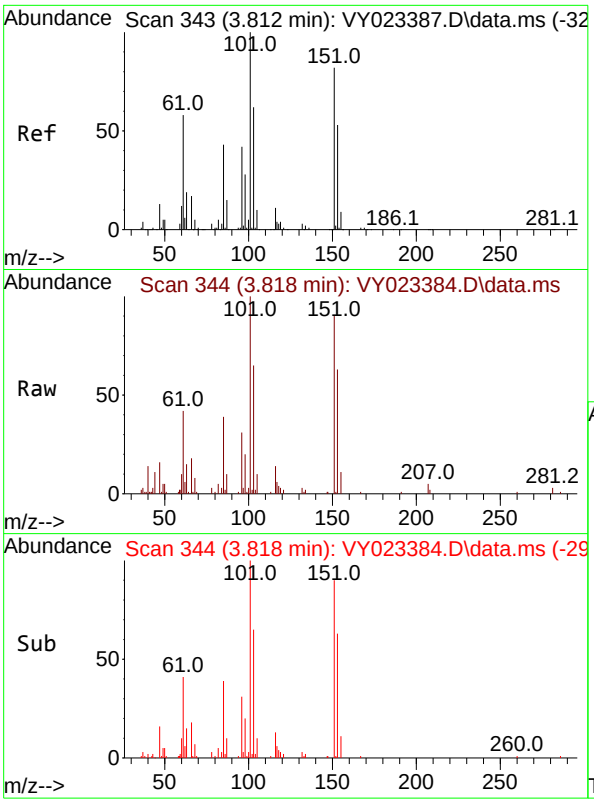


#8
Diethyl Ether
Concen: 5.060 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 74 Resp: 14079

Ion	Ratio	Lower	Upper
74	100		
45	82.9	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.989 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

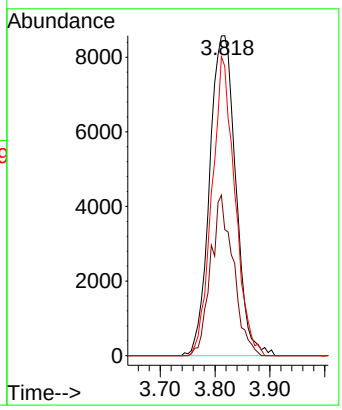
Tgt Ion:101 Resp: 2836

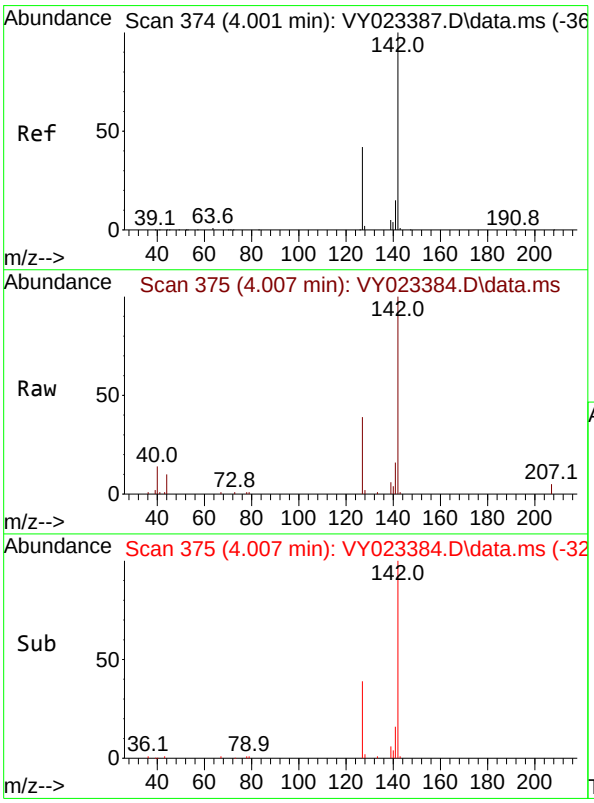
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.6	51.8
151	82.3	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

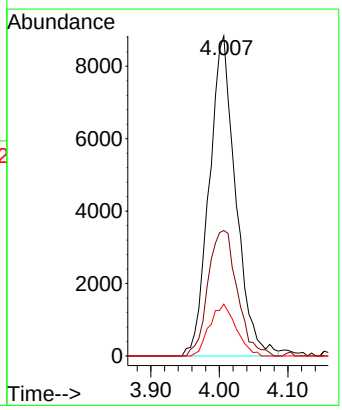


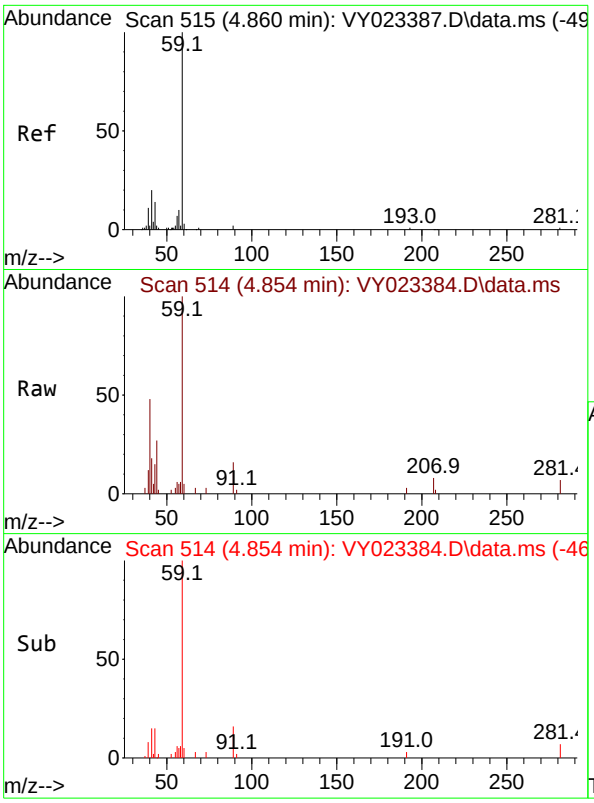


#10
Methyl Iodide
Concen: 3.606 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:142 Resp: 23692

Ion	Ratio	Lower	Upper
142	100		
127	43.3	34.8	52.2
141	16.2	11.6	17.4

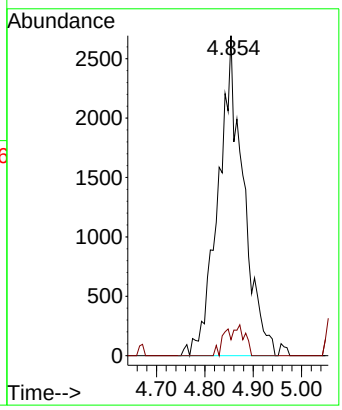




#11
Tert butyl alcohol
Concen: 32.746 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 59 Resp: 977

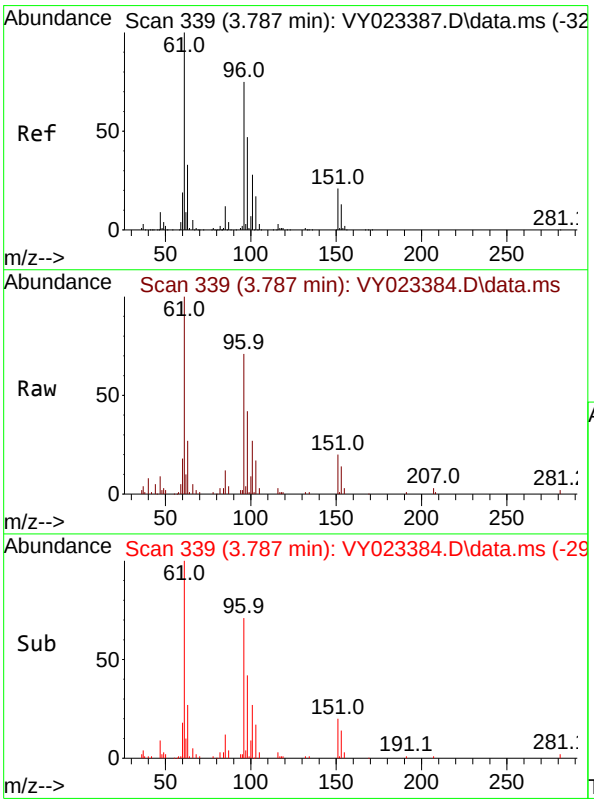
Ion	Ratio	Lower	Upper
59	100		
57	3.0	8.3	12.5#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

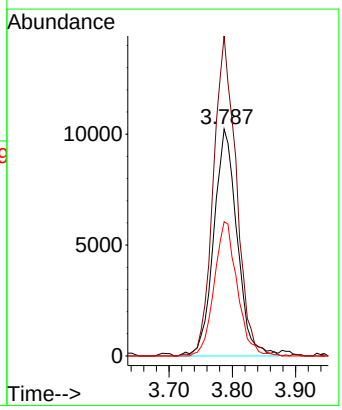
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

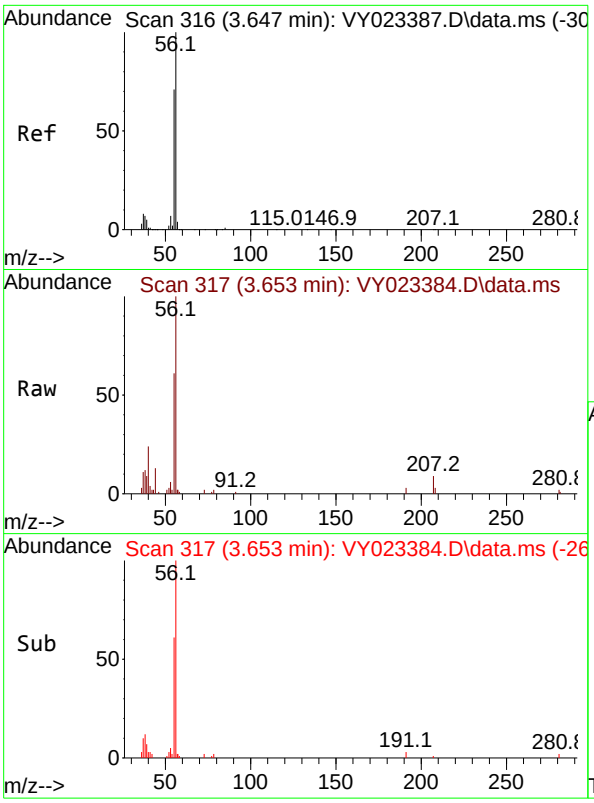


#12
1,1-Dichloroethene
Concen: 4.806 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 96 Resp: 26290

Ion	Ratio	Lower	Upper
96	100		
61	141.0	106.7	160.1
98	59.1	50.2	75.4

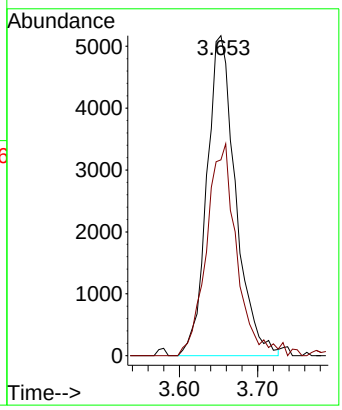




#13
Acrolein
Concen: 26.054 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 56 Resp: 1317

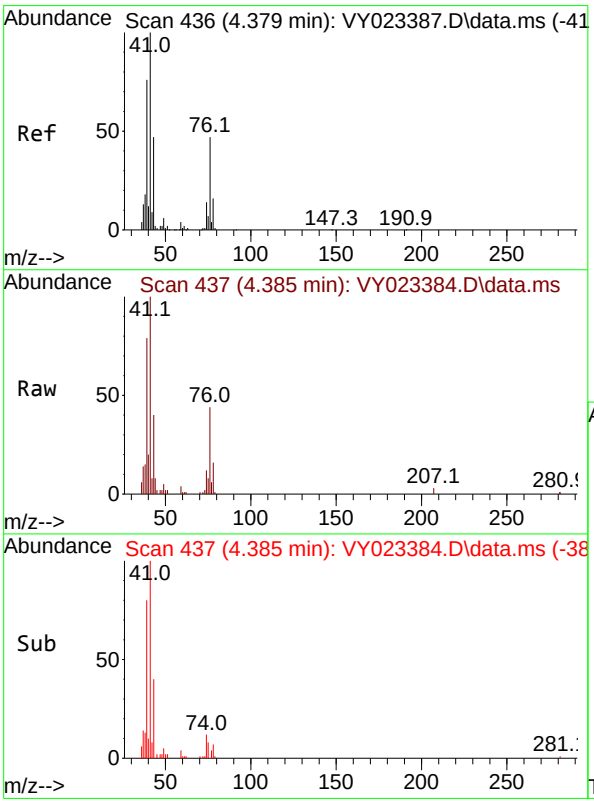
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

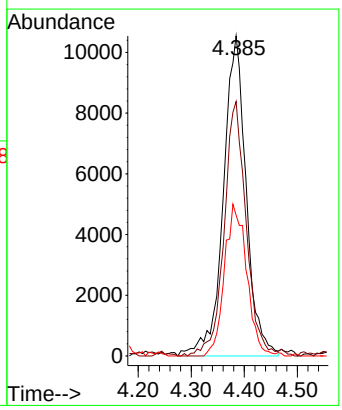
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

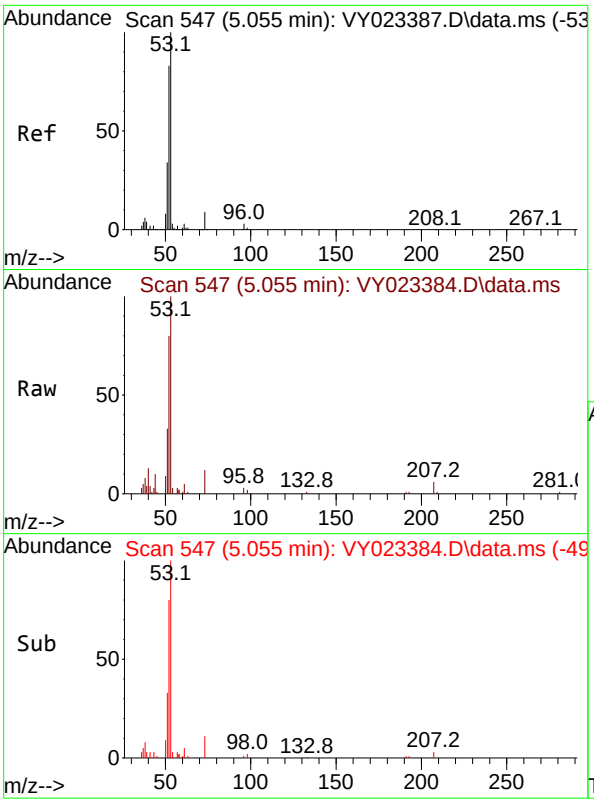


#14
Allyl chloride
Concen: 4.616 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 41 Resp: 31614

Ion	Ratio	Lower	Upper
41	100		
39	76.6	59.9	89.9
76	46.2	38.0	57.0

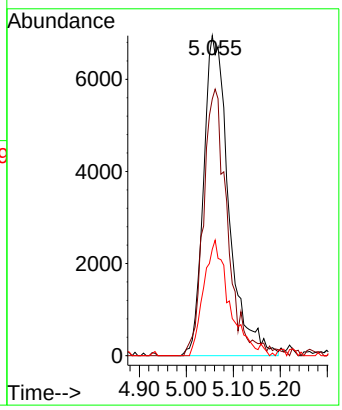




#15
Acrylonitrile
Concen: 23.754 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 53 Resp: 2589

Ion	Ratio	Lower	Upper
53	100		
52	79.7	64.6	97.0
51	36.3	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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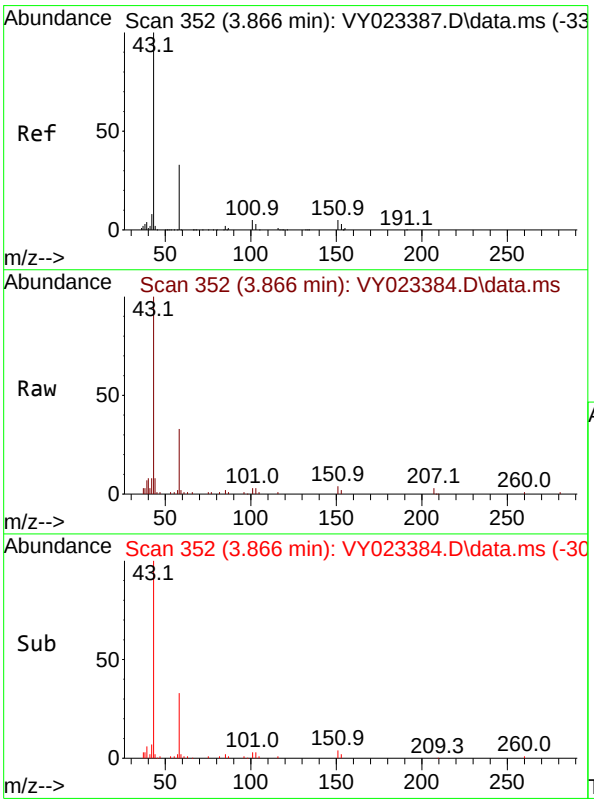
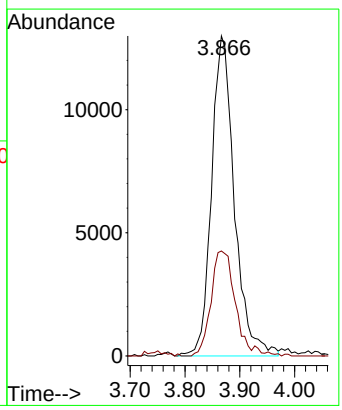
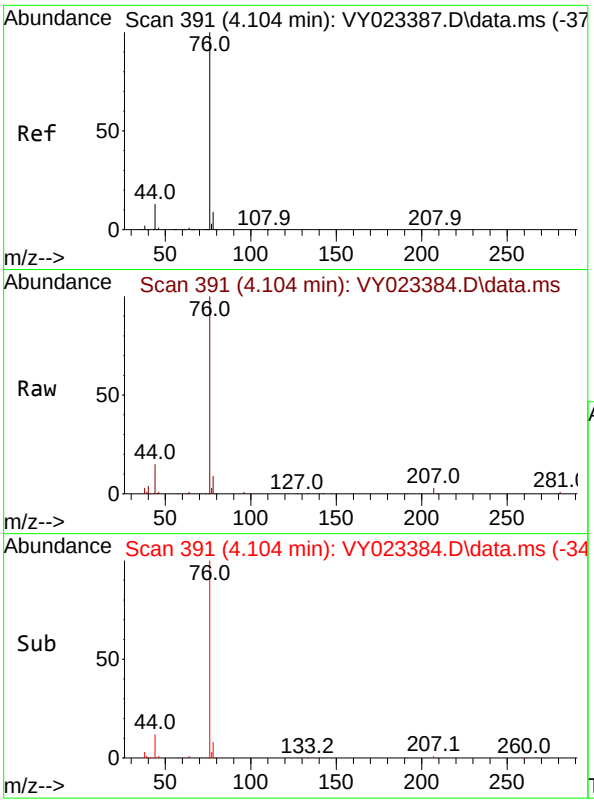


#16
Acetone
Concen: 32.940 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 37573

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.7	41.5





#17
Carbon Disulfide
Concen: 4.432 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 76 Resp: 7564

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

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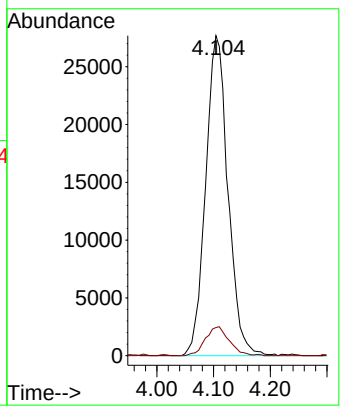
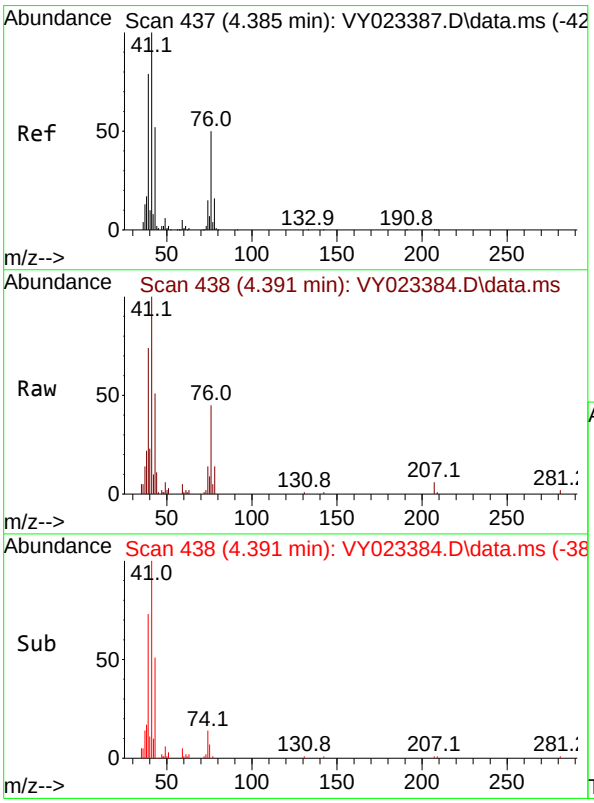
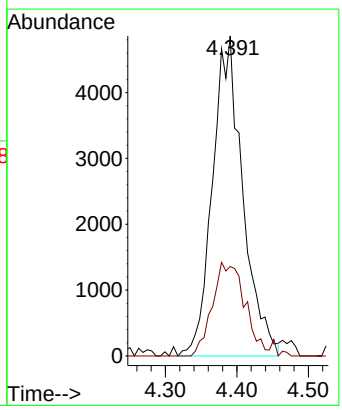


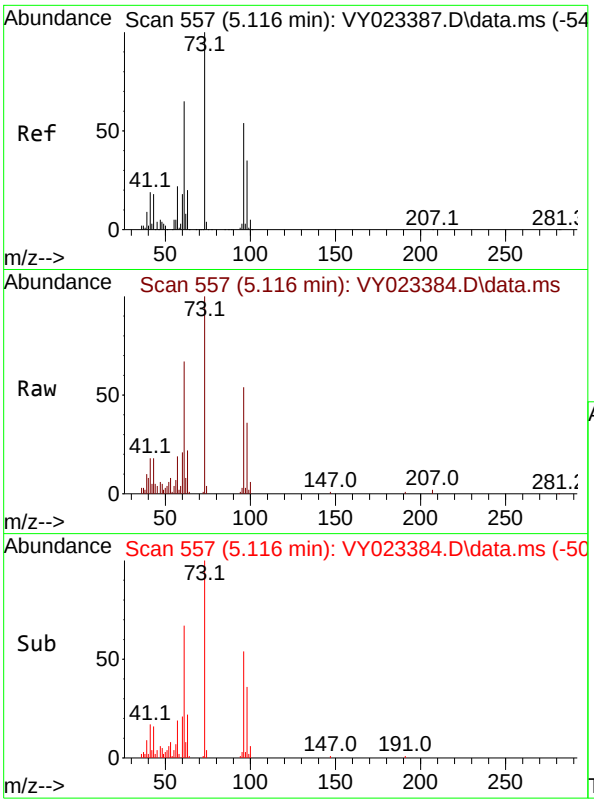


#18
Methyl Acetate
Concen: 4.926 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 14279

Ion	Ratio	Lower	Upper
43	100		
74	31.4	24.2	36.4

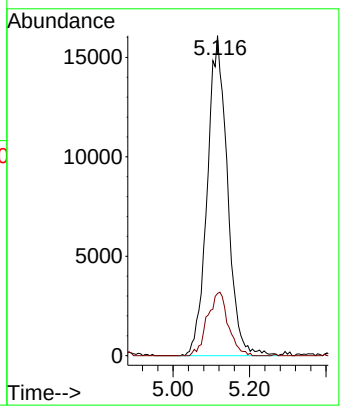




#19
Methyl tert-butyl Ether
Concen: 4.600 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 73 Resp: 5891

Ion	Ratio	Lower	Upper
73	100		
57	19.4	17.4	26.0



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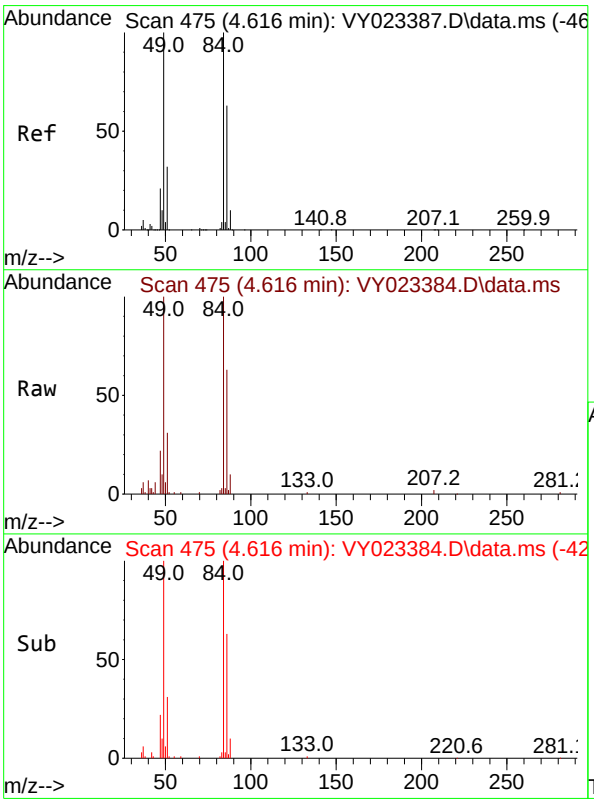
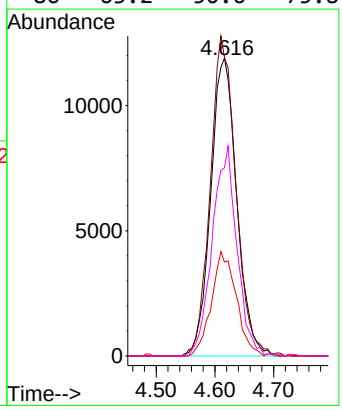
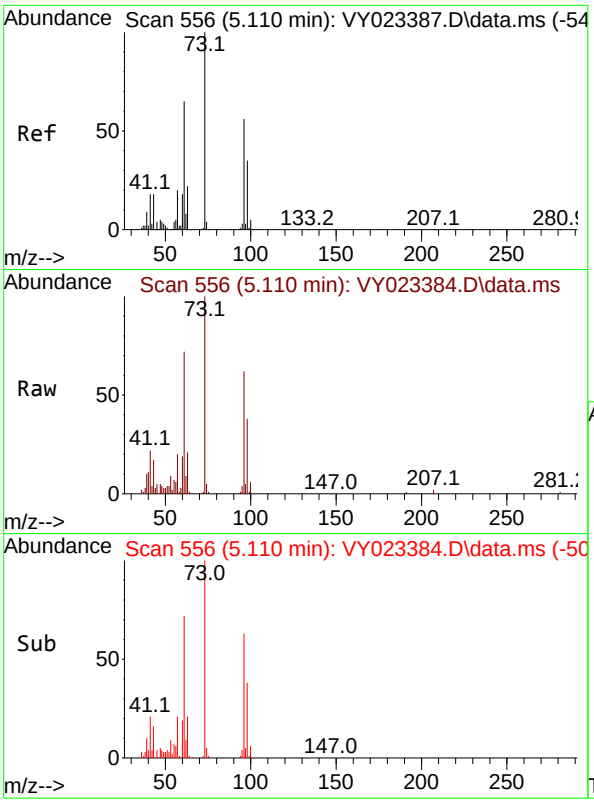


#20
Methylene Chloride
Concen: 5.917 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 84 Resp: 36598

Ion	Ratio	Lower	Upper
84	100		
49	100.3	80.2	120.4
51	31.6	25.9	38.9
86	63.2	50.6	75.8

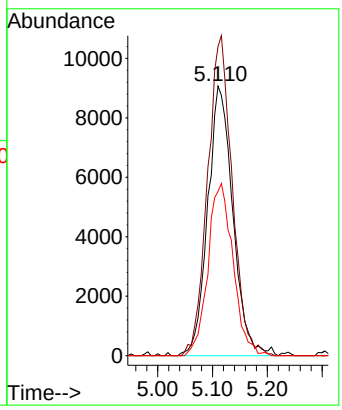




#21
trans-1,2-Dichloroethene
Concen: 4.754 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 96 Resp: 2892

Ion	Ratio	Lower	Upper
96	100		
61	114.7	92.7	139.1
98	61.0	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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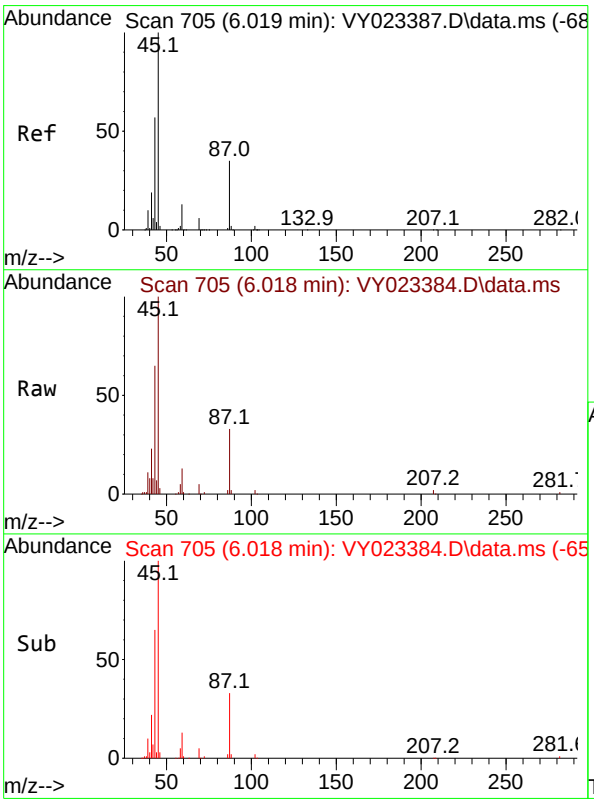
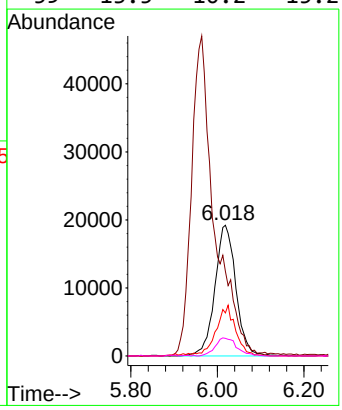
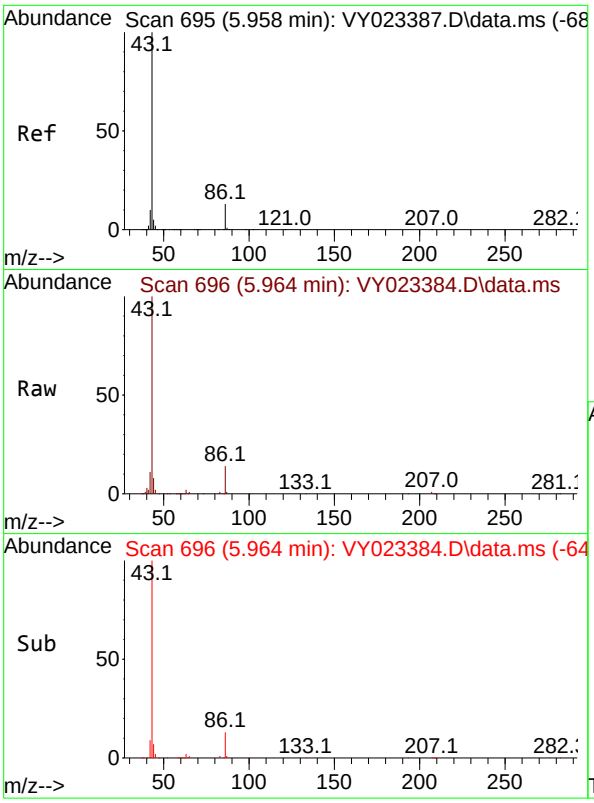


#22
Diisopropyl ether
Concen: 4.269 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 45 Resp: 64833

Ion	Ratio	Lower	Upper
45	100		
43	63.0	45.6	68.4
87	32.9	28.1	42.1
59	13.5	10.2	15.2





#23
Vinyl Acetate
Concen: 20.824 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 17385

Ion	Ratio	Lower	Upper
43	100		
86	13.6	10.6	15.8

Instrument :
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ClientSampleId :
VSTDICC005

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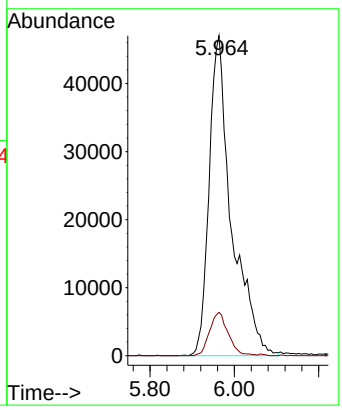
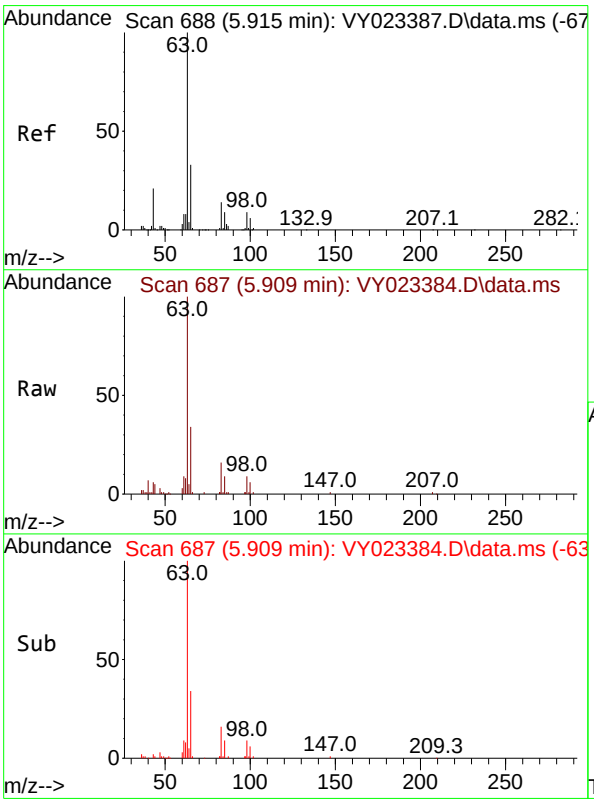
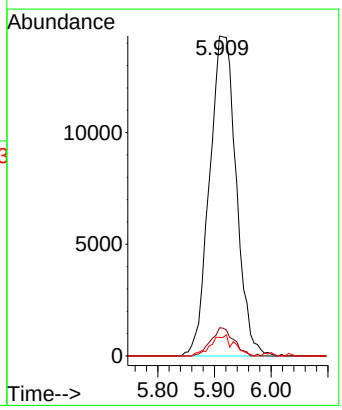


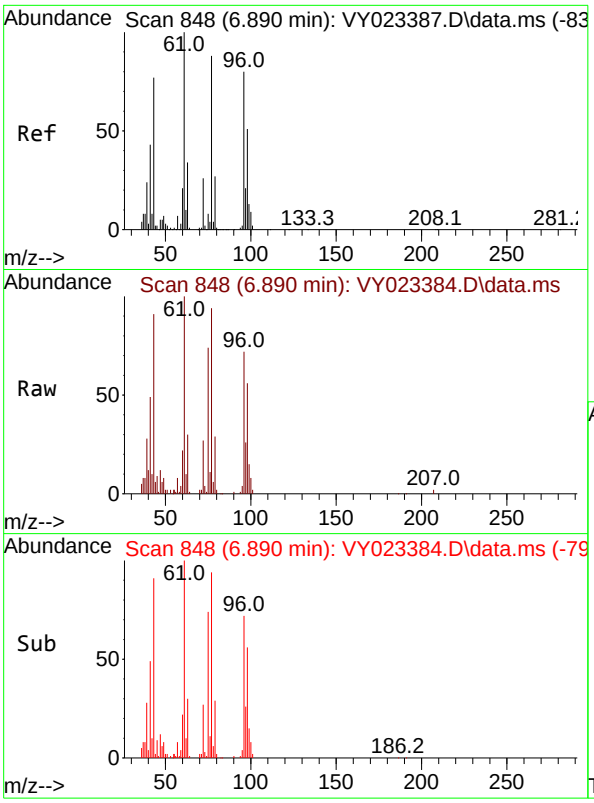


#24
1,1-Dichloroethane
Concen: 4.679 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 46850

Ion	Ratio	Lower	Upper
63	100		
98	8.8	4.3	13.1
100	5.8	2.8	8.4





#25
2-Butanone
Concen: 27.656 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 3899

Ion	Ratio	Lower	Upper
43	100		
72	30.0	27.4	41.2

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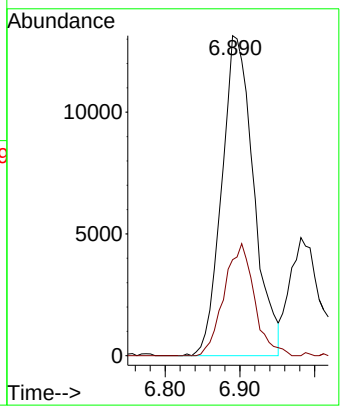
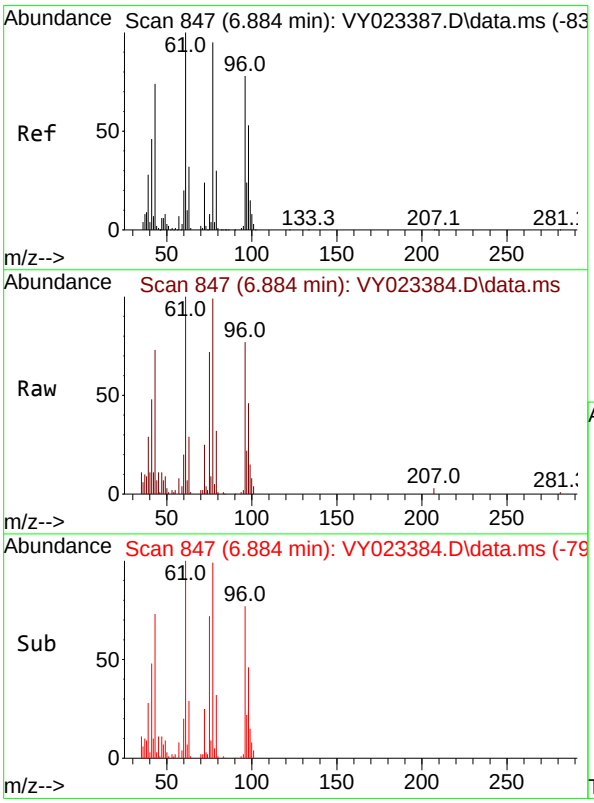
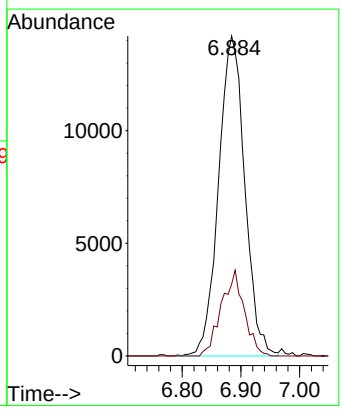


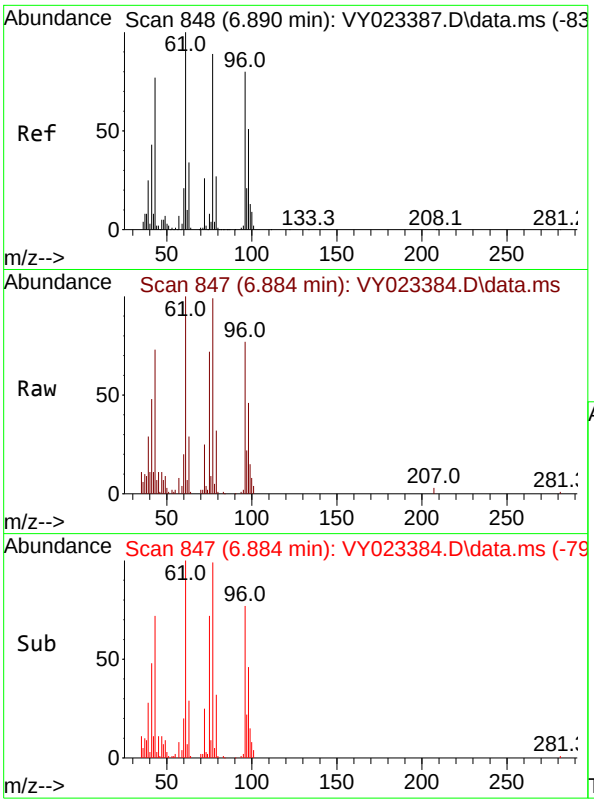


#26
2,2-Dichloropropane
Concen: 4.953 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 77 Resp: 44062

Ion	Ratio	Lower	Upper
77	100		
97	23.4	12.1	36.3

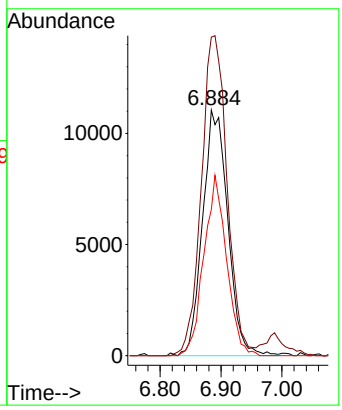




#27
cis-1,2-Dichloroethene
Concen: 4.600 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 96 Resp: 3174

Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	258.2
98	66.1	0.0	132.0



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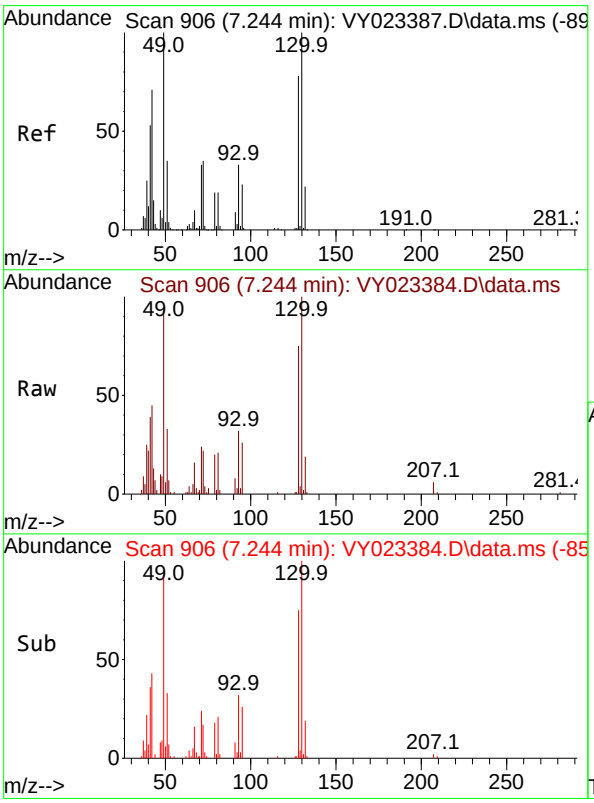
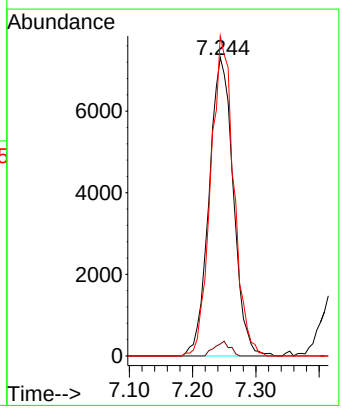
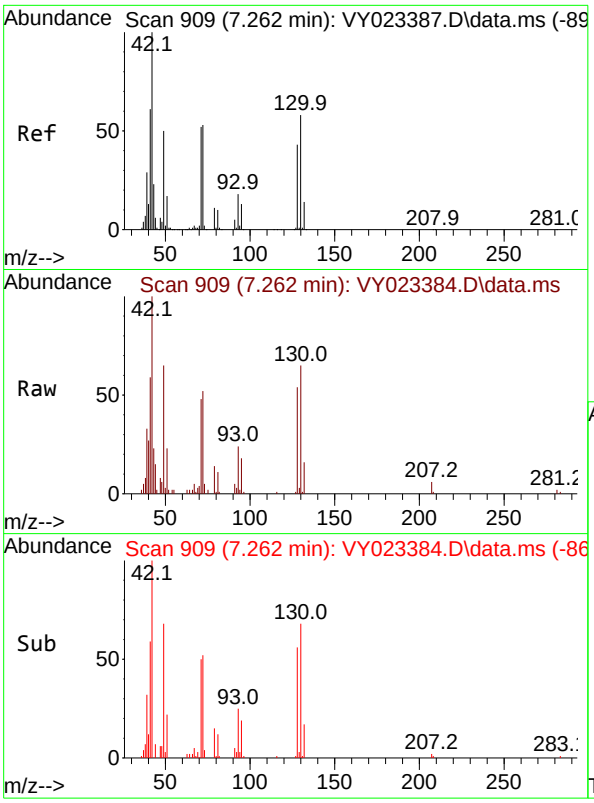


#28
Bromochloromethane
Concen: 5.006 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 49 Resp: 19445

Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	101.5	81.9	122.9

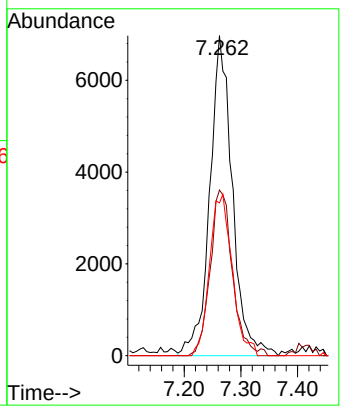




#29
Tetrahydrofuran
Concen: 23.059 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 42 Resp: 1929(

Ion	Ratio	Lower	Upper
42	100		
72	51.0	43.0	64.6
71	50.4	40.1	60.1



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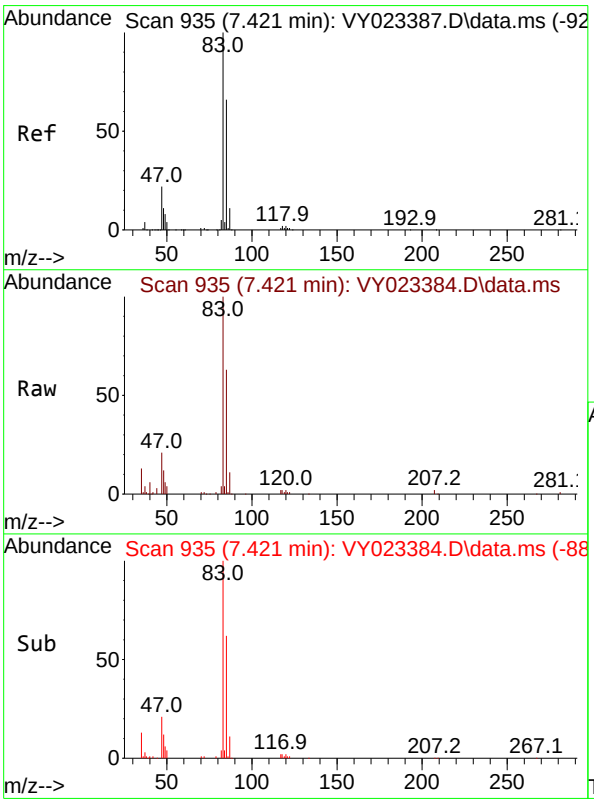
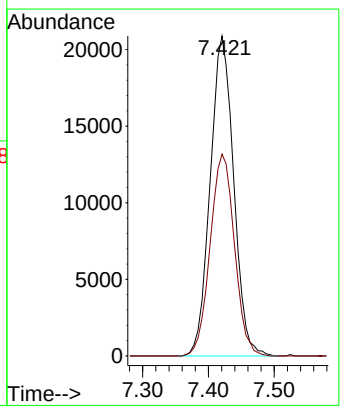
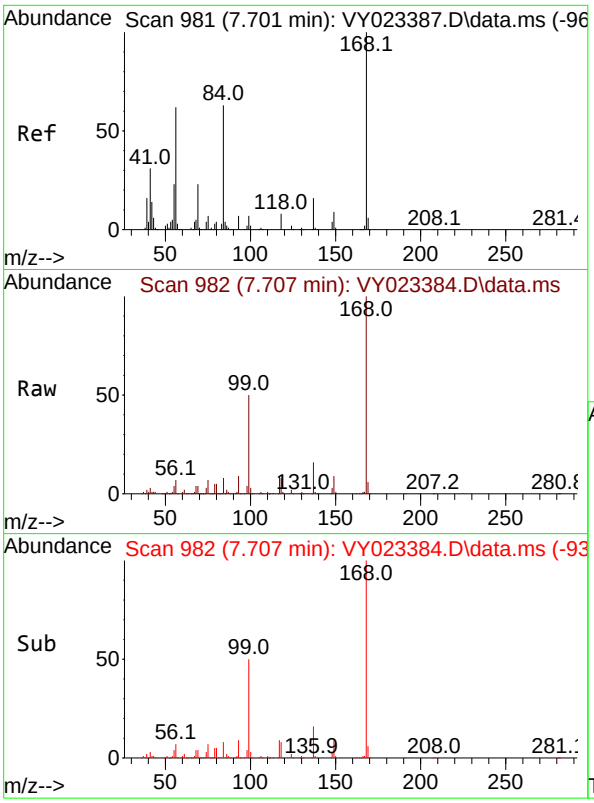


#30
Chloroform
Concen: 4.806 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 51887

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7





#31
Cyclohexane
Concen: 5.279 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 56 Resp: 4667

Ion	Ratio	Lower	Upper
56	100		
69	62.0	30.0	45.0
84	115.8	81.2	121.8

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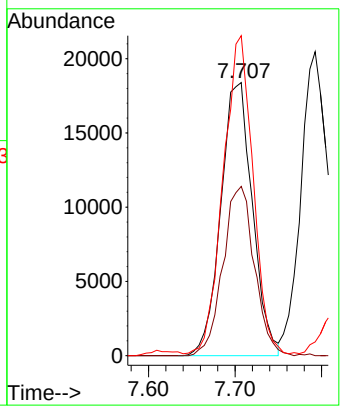
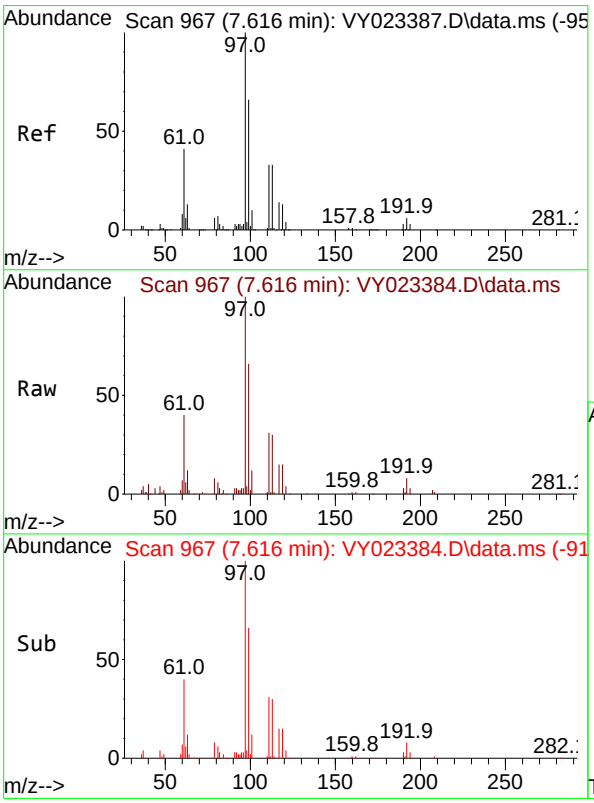
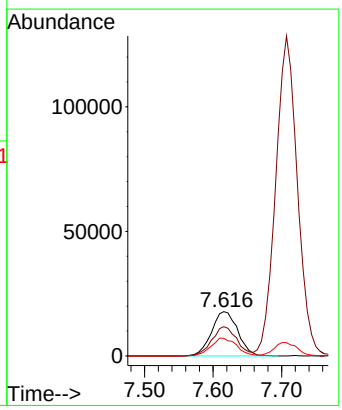


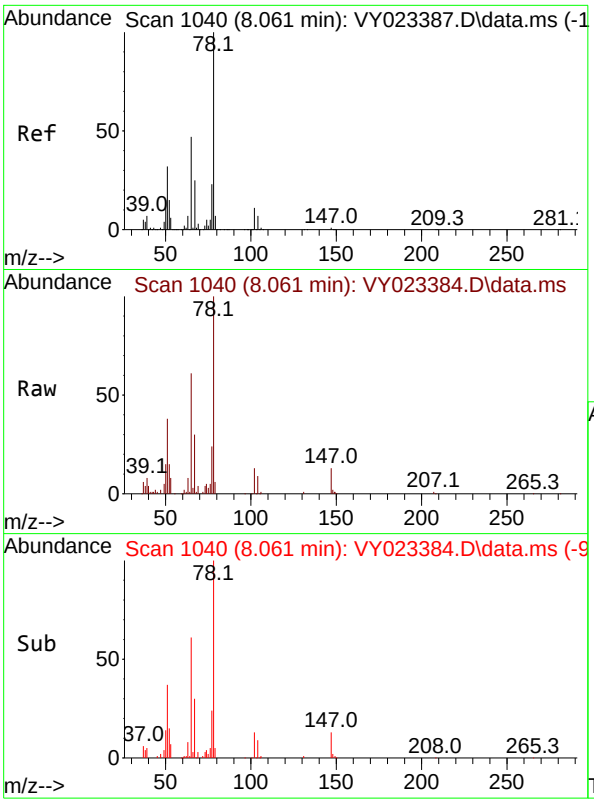


#32
1,1,1-Trichloroethane
Concen: 4.881 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 97 Resp: 47305

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.4	77.2
61	39.4	31.9	47.9

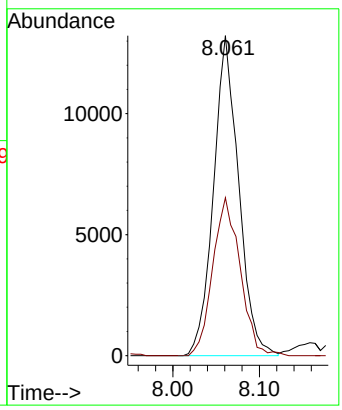




#33
1,2-Dichloroethane-d4
Concen: 5.258 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 65 Resp: 2667

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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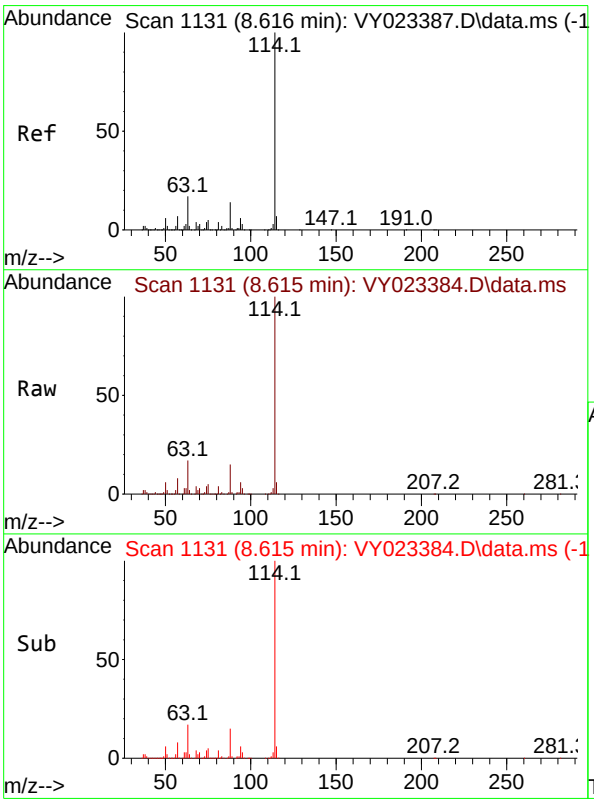
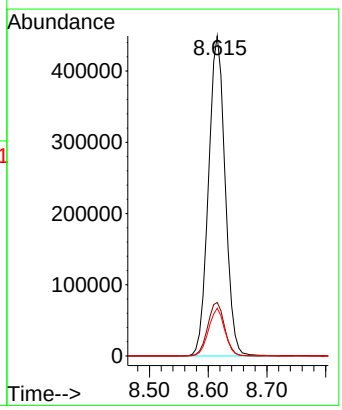
Supervised By :Mahesh Dadoda 10/10/2025

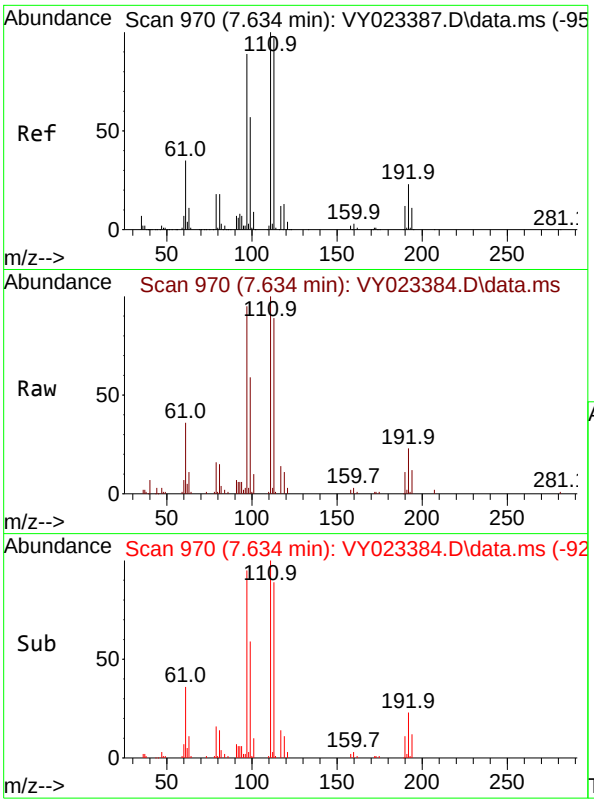


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:114 Resp: 882488

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	34.2
88	14.9	0.0	28.4

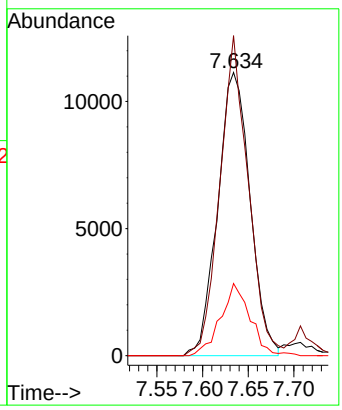




#35
Dibromofluoromethane
Concen: 5.126 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:113 Resp: 2745

Ion	Ratio	Lower	Upper
113	100		
111	99.0	81.8	122.6
192	23.4	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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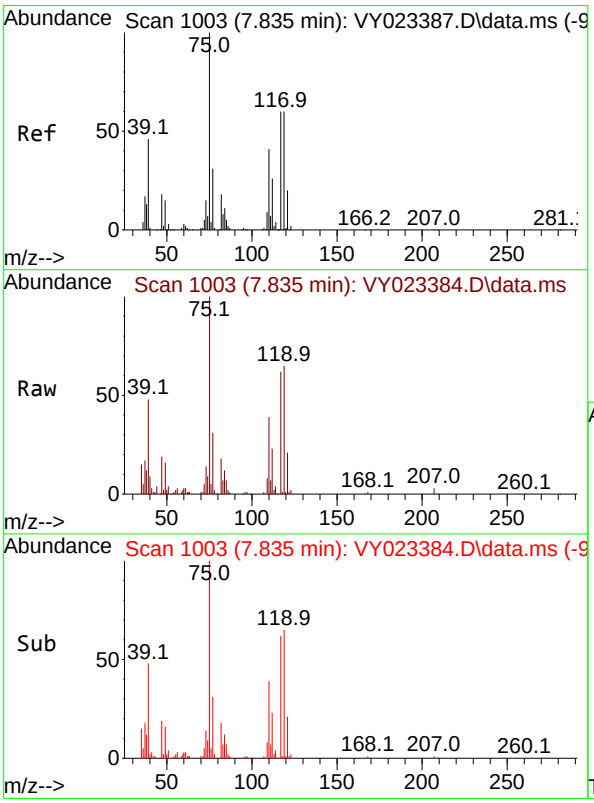
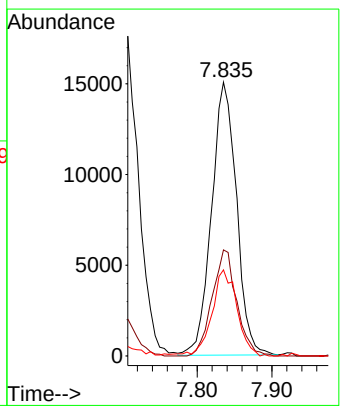
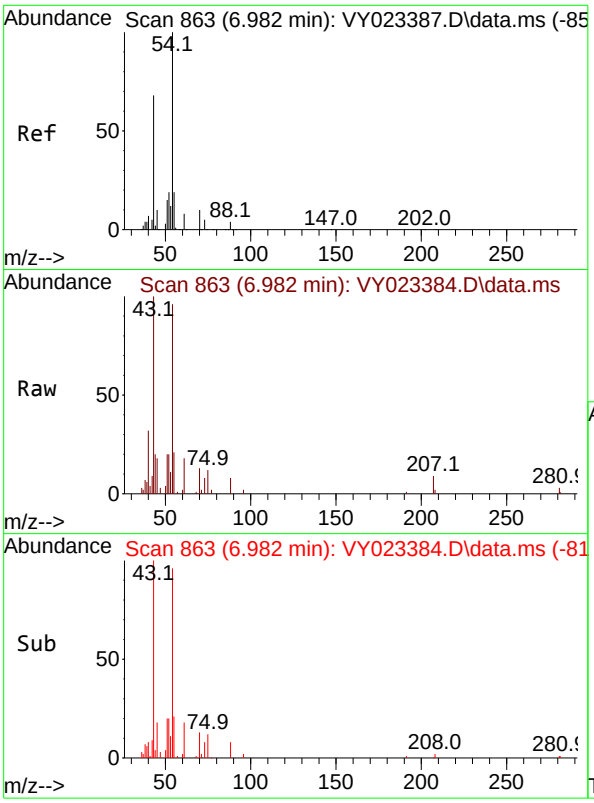


#36
1,1-Dichloropropene
Concen: 4.617 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 34888

Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.9	59.7
77	32.1	25.0	37.6





#37
Ethyl Acetate
Concen: 4.379 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 1308

Ion	Ratio	Lower	Upper
43	100		
61	18.2	11.8	17.8
70	15.0	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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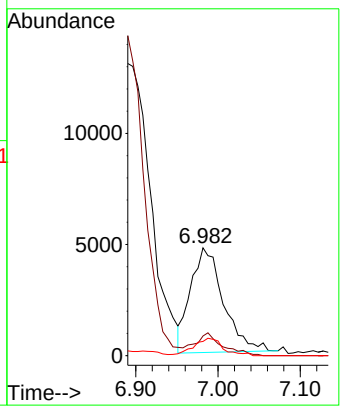
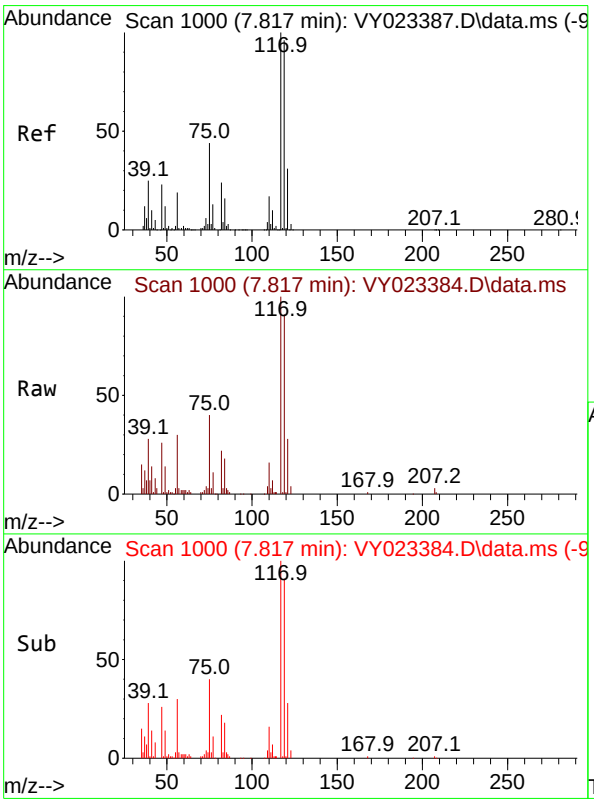
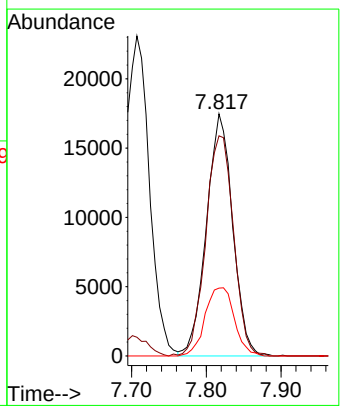


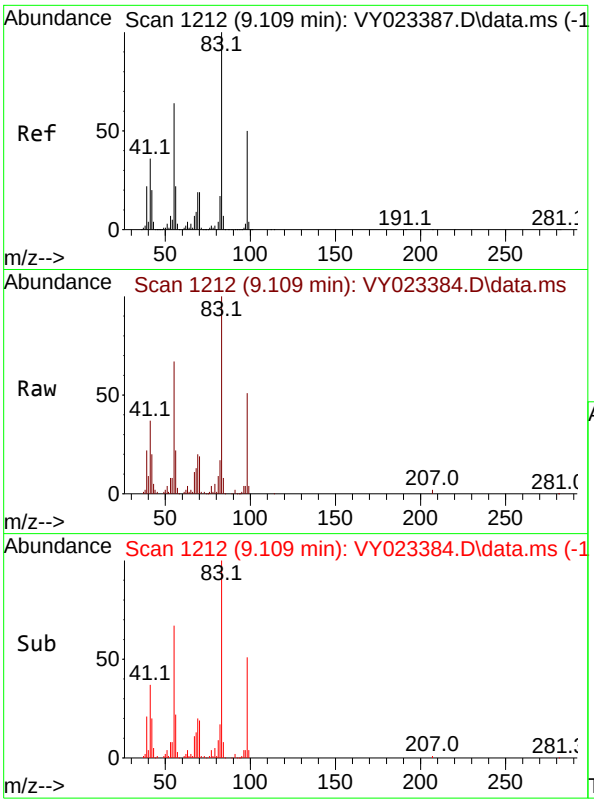


#38
Carbon Tetrachloride
Concen: 4.859 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:117 Resp: 42654

Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.8	115.2
121	28.0	24.5	36.7

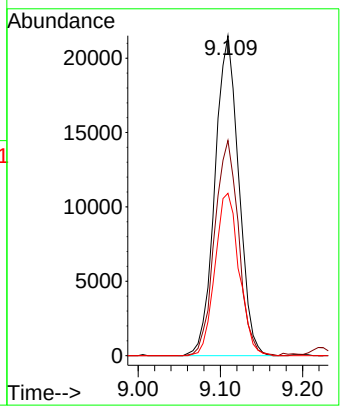




#39
Methylcyclohexane
Concen: 4.479 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 4332

Ion	Ratio	Lower	Upper
83	100		
55	67.2	51.4	77.2
98	50.8	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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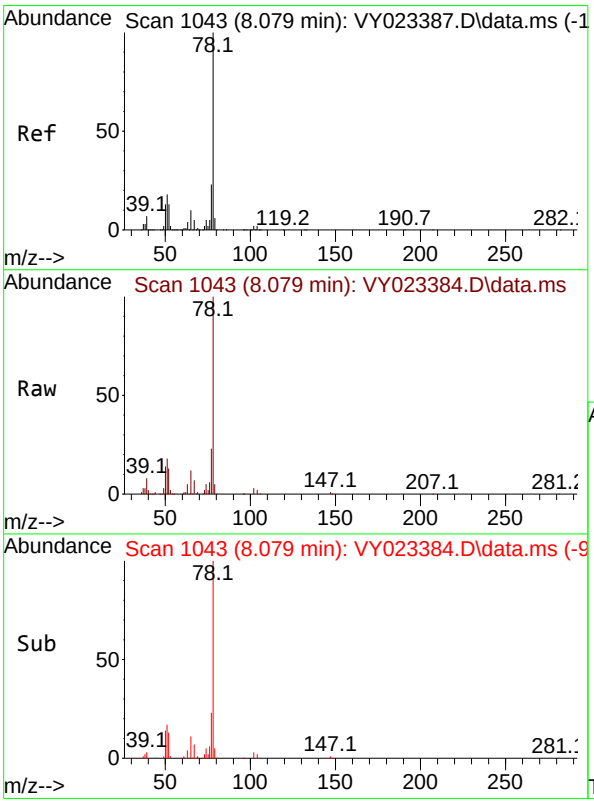
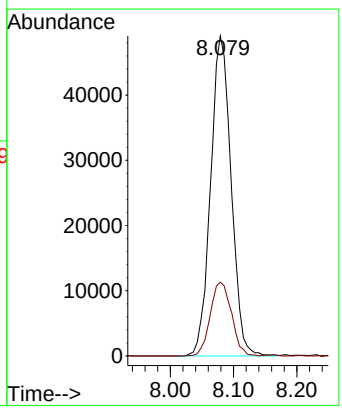
Supervised By :Mahesh Dadoda 10/10/2025

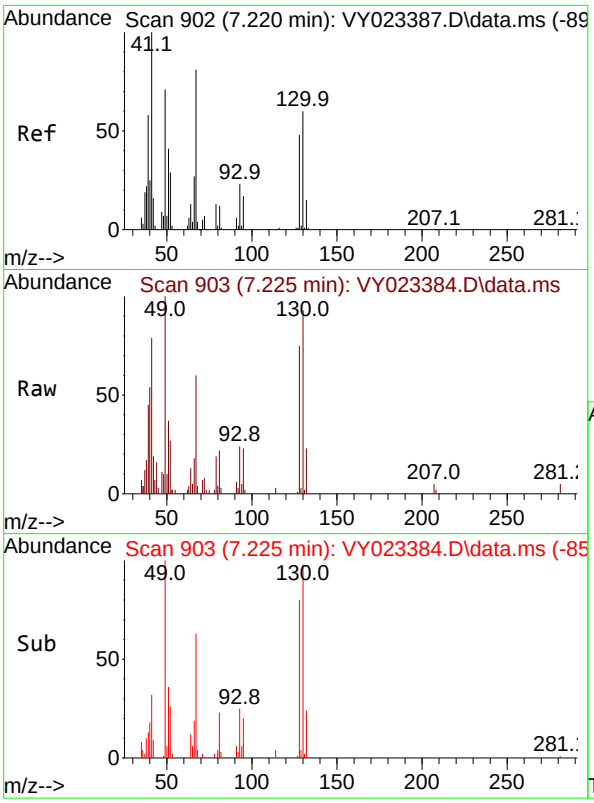


#40
Benzene
Concen: 4.693 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 78 Resp: 110551

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.3	27.5

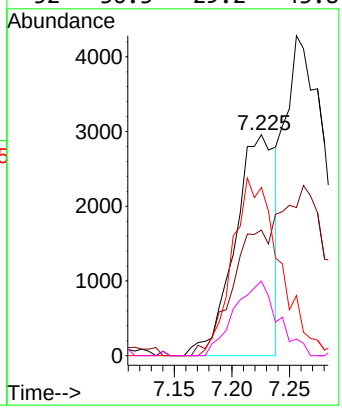




#41
Methacrylonitrile
Concen: 4.658 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 41 Resp: 722

Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.2	78.4
67	95.1	74.9	112.3
52	36.3	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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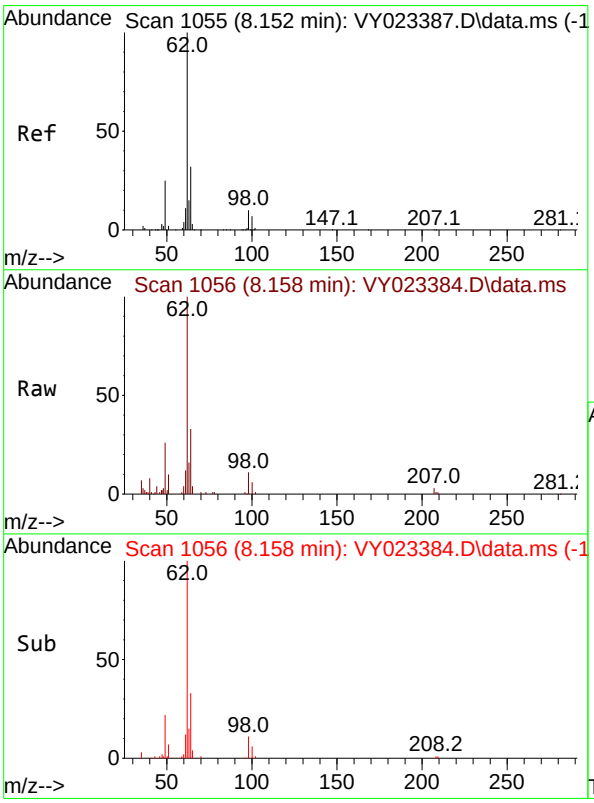
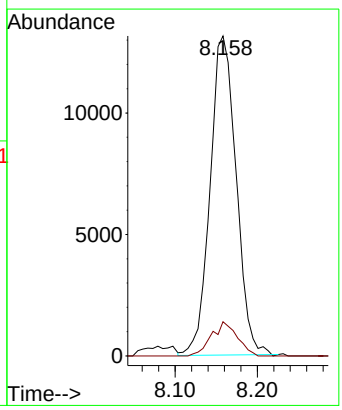
Supervised By :Mahesh Dadoda 10/10/2025

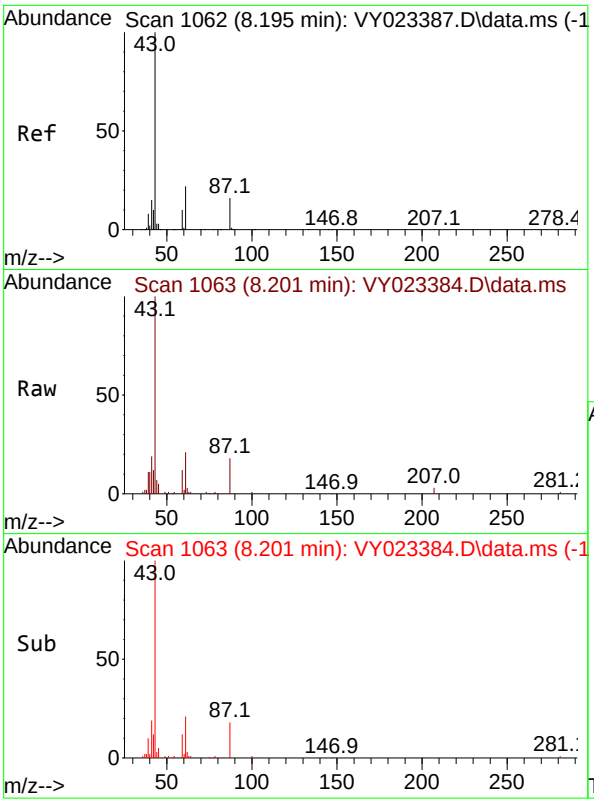


#42
1,2-Dichloroethane
Concen: 4.828 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 62 Resp: 28940

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.6

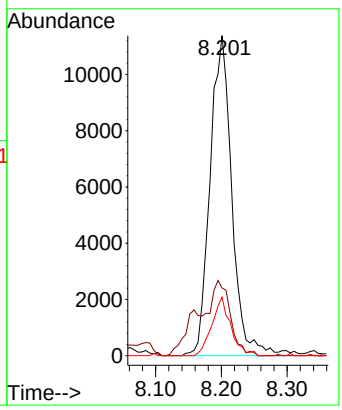




#43
Isopropyl Acetate
Concen: 4.503 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 2616

Ion	Ratio	Lower	Upper
43	100		
61	22.6	18.1	27.1
87	15.9	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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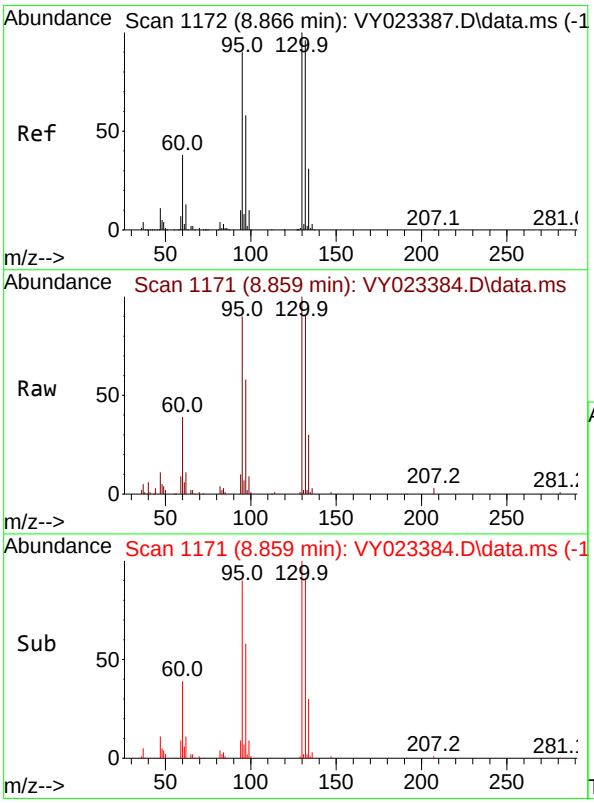
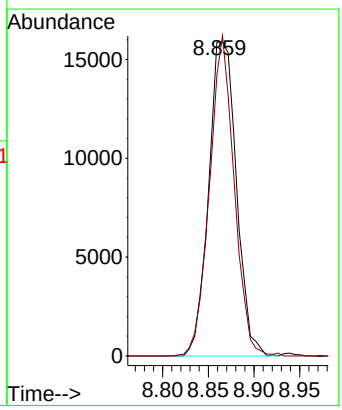
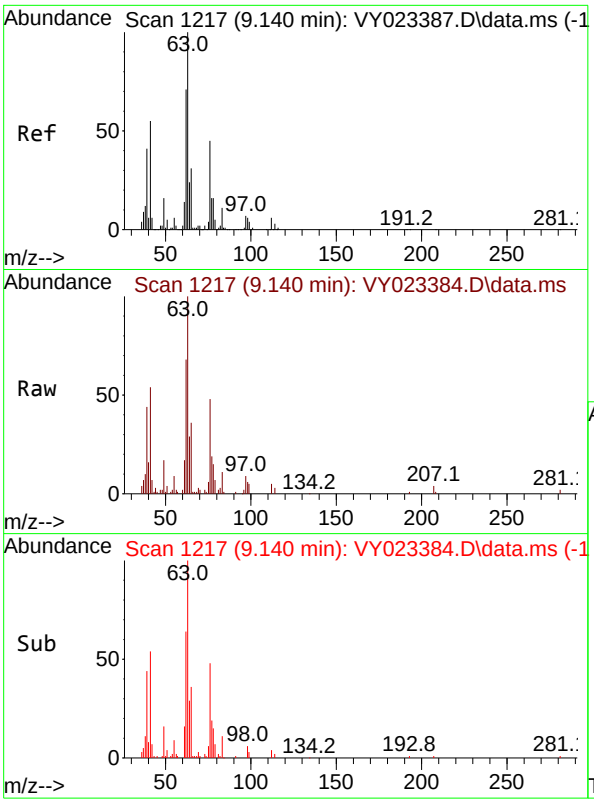


#44
Trichloroethene
Concen: 5.077 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:130 Resp: 33564

Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	180.6

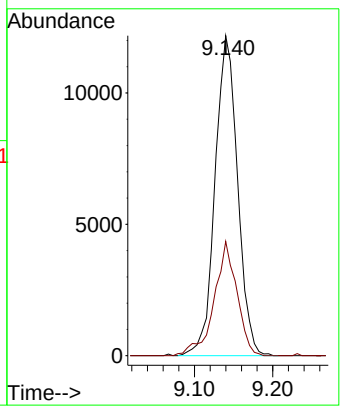




#45
1,2-Dichloropropane
Concen: 4.595 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 2435

Ion	Ratio	Lower	Upper
63	100		
65	35.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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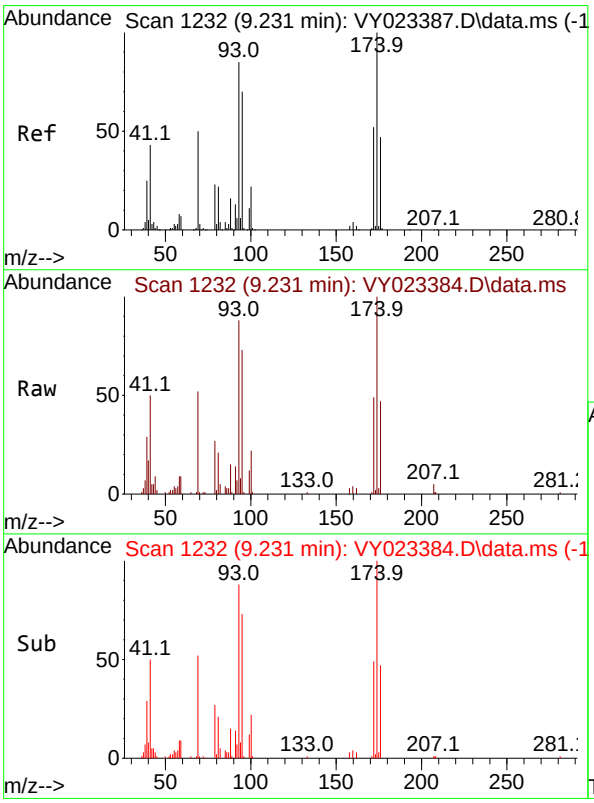
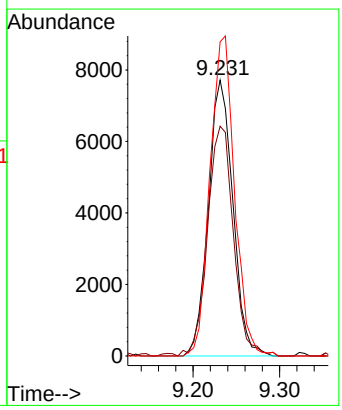
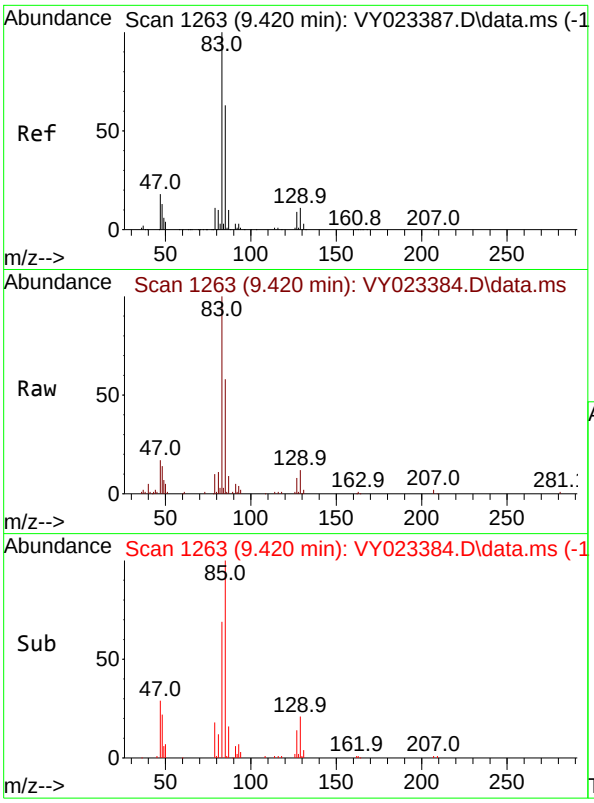


#46
Dibromomethane
Concen: 4.682 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 93 Resp: 15179

Ion	Ratio	Lower	Upper
93	100		
95	87.6	65.4	98.0
174	116.2	92.9	139.3

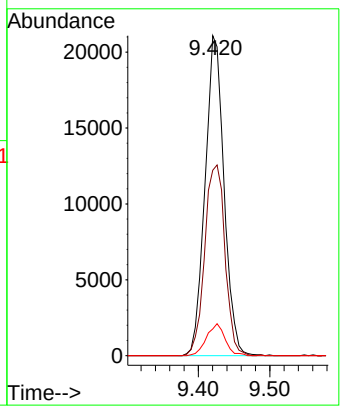




#47
Bromodichloromethane
Concen: 4.756 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 3881

Ion	Ratio	Lower	Upper
83	100		
85	57.9	50.8	76.2
127	8.4	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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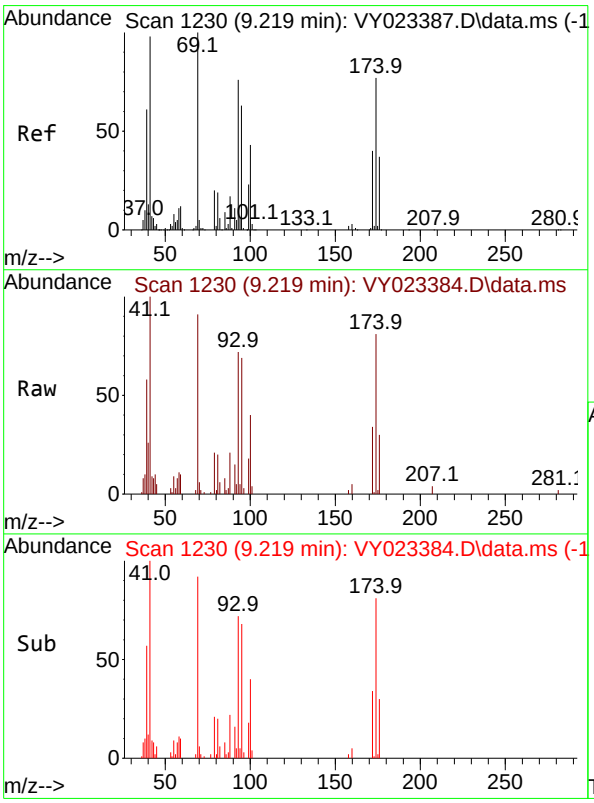
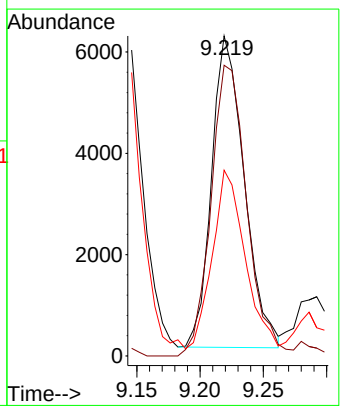
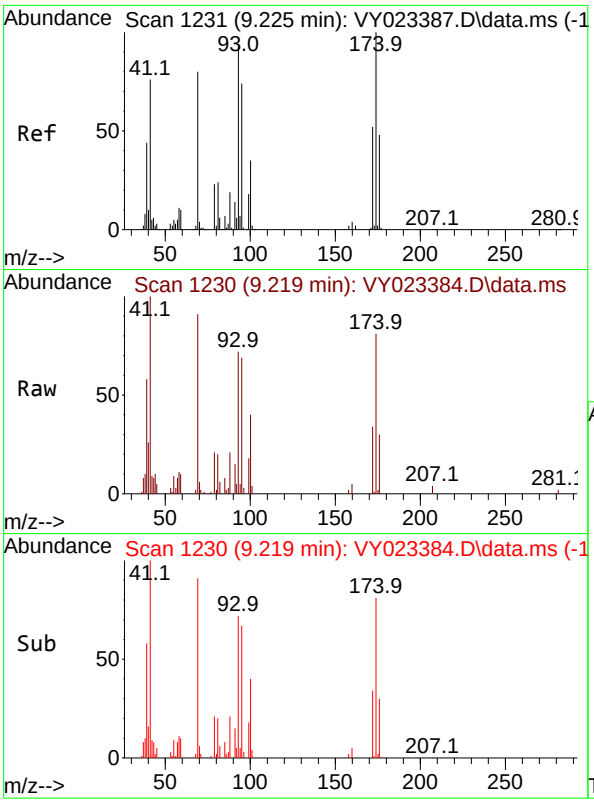


#48
Methyl methacrylate
Concen: 4.071 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 41 Resp: 11038

Ion	Ratio	Lower	Upper
41	100		
69	102.5	81.0	121.4
39	62.4	48.2	72.4

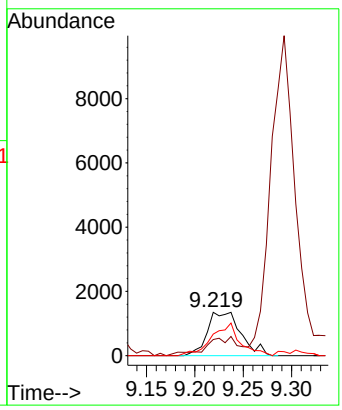




#49
1,4-Dioxane
Concen: 96.953 ug/l
RT: 9.219 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 88 Resp: 325

Ion	Ratio	Lower	Upper
88	100		
43	43.1	21.8	32.8
58	63.4	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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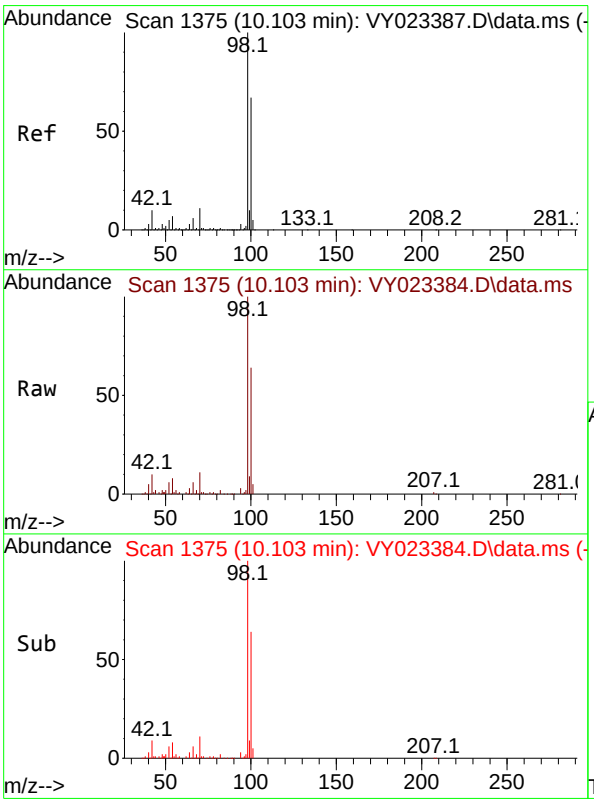
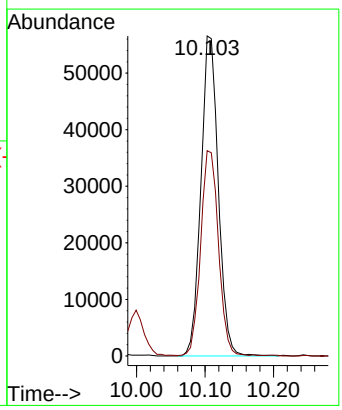
Supervised By :Mahesh Dadoda 10/10/2025

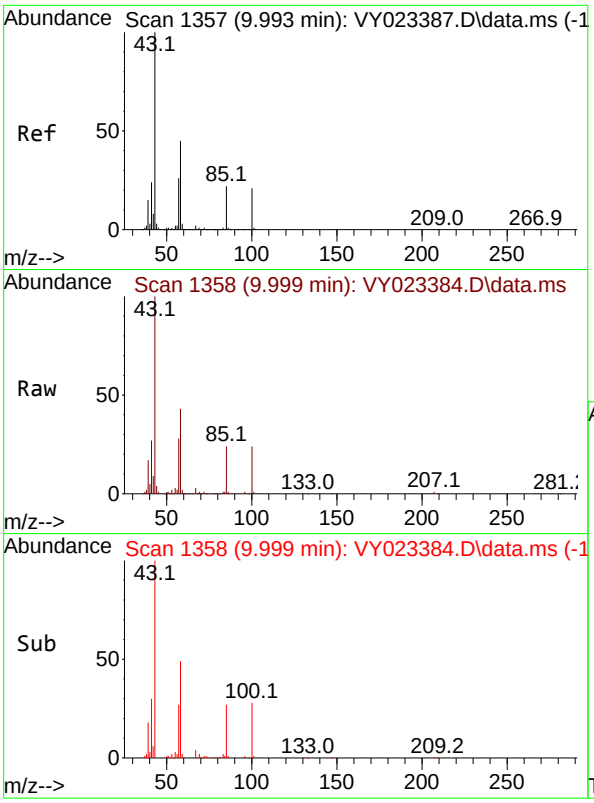


#50
Toluene-d8
Concen: 4.946 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 98 Resp: 99905

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 20.925 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 6227

Ion	Ratio	Lower	Upper
43	100		
58	42.7	35.3	52.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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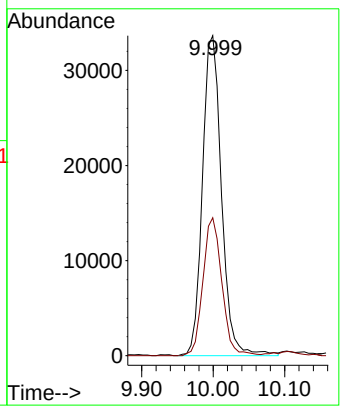
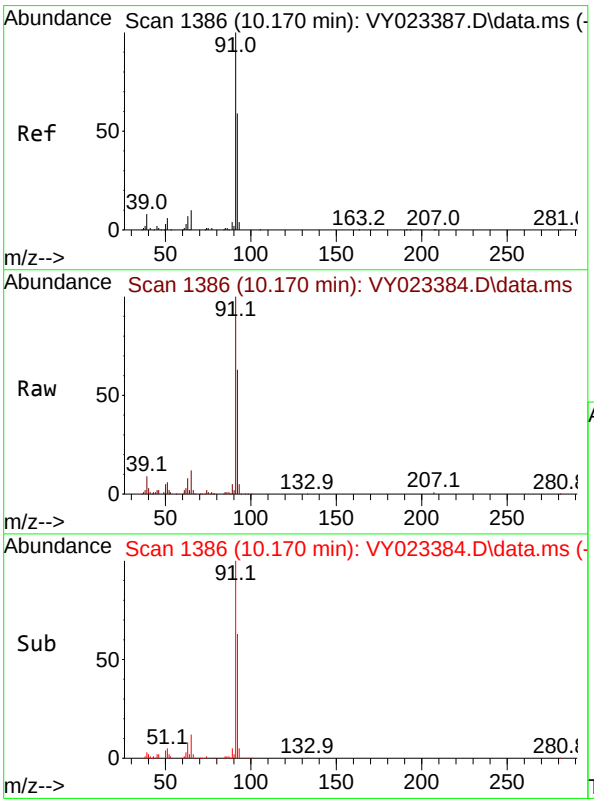
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

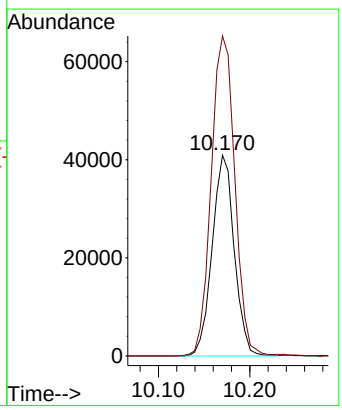


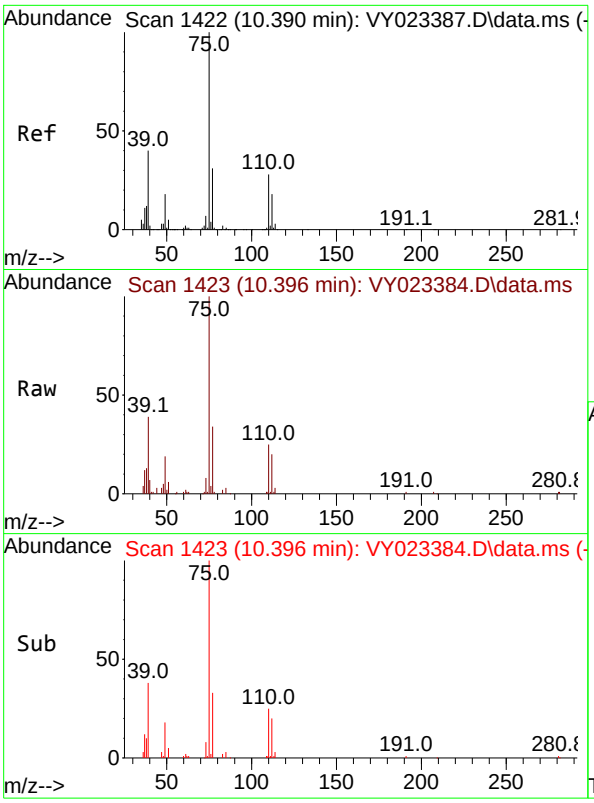


#52
Toluene
Concen: 4.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 92 Resp: 68550

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.4	204.6

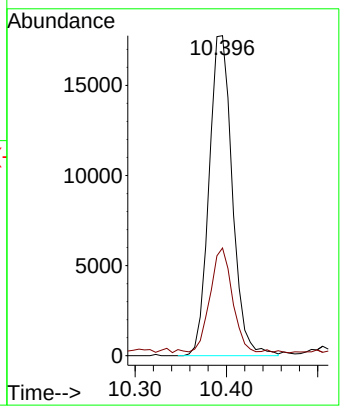




#53
t-1,3-Dichloropropene
Concen: 4.491 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 3147

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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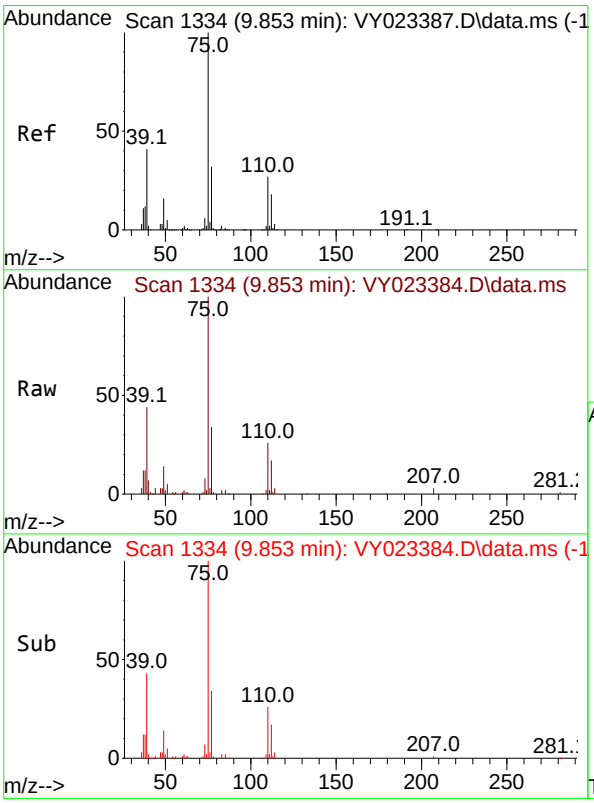
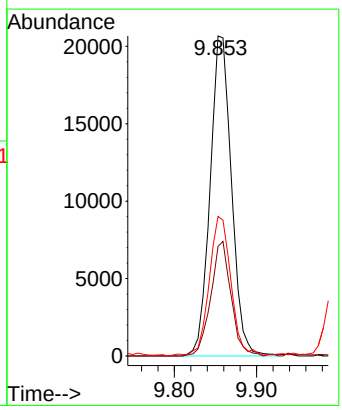
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

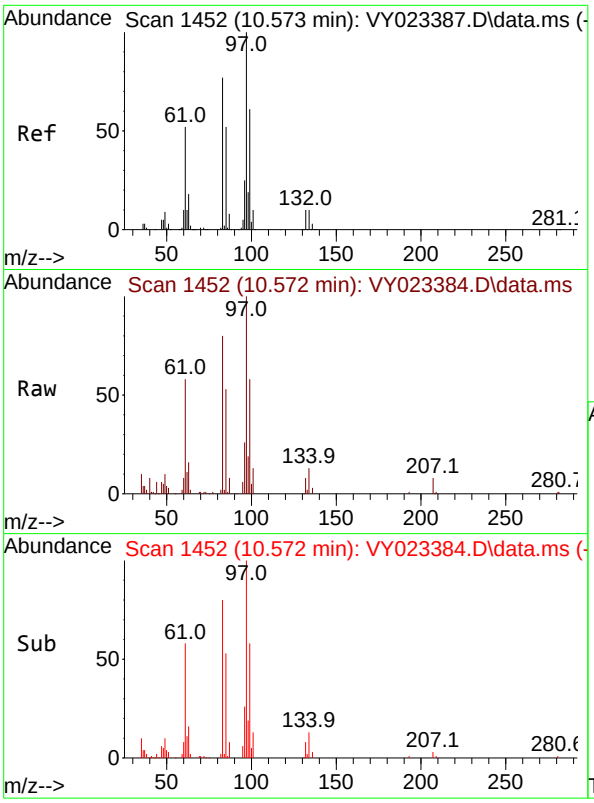


#54
cis-1,3-Dichloropropene
Concen: 4.463 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 37392

Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.4	38.0
39	43.0	32.8	49.2

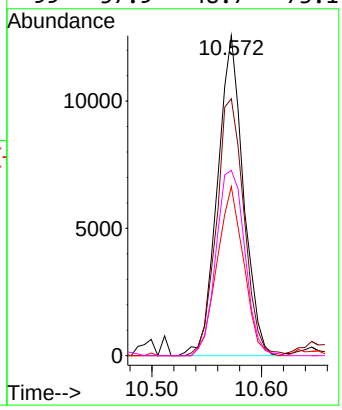




#55
1,1,2-Trichloroethane
Concen: 4.786 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 97 Resp: 2064

Ion	Ratio	Lower	Upper
97	100		
83	80.3	61.8	92.6
85	52.8	41.3	61.9
99	57.9	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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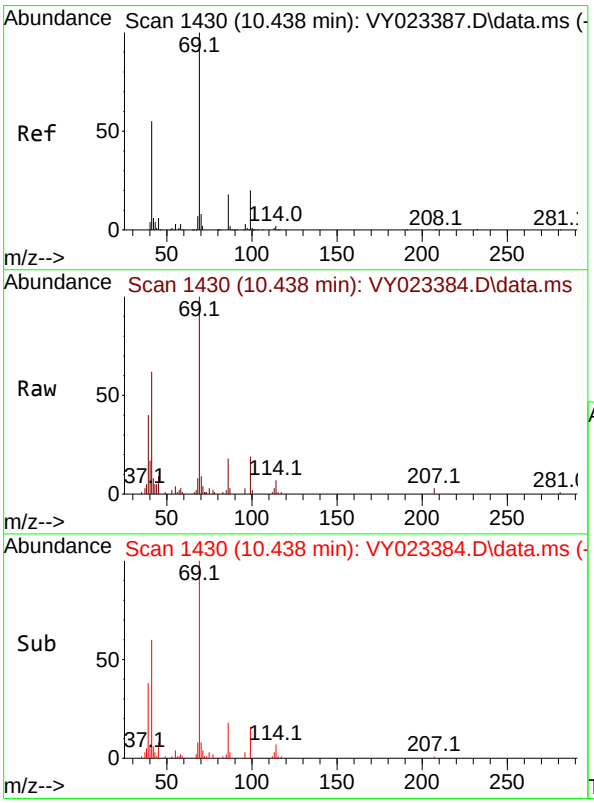
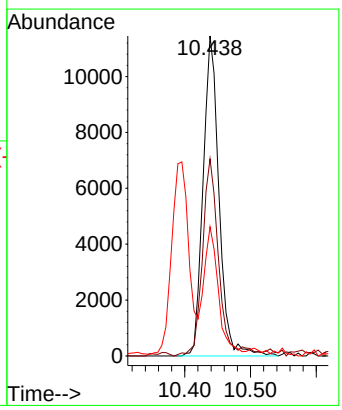
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

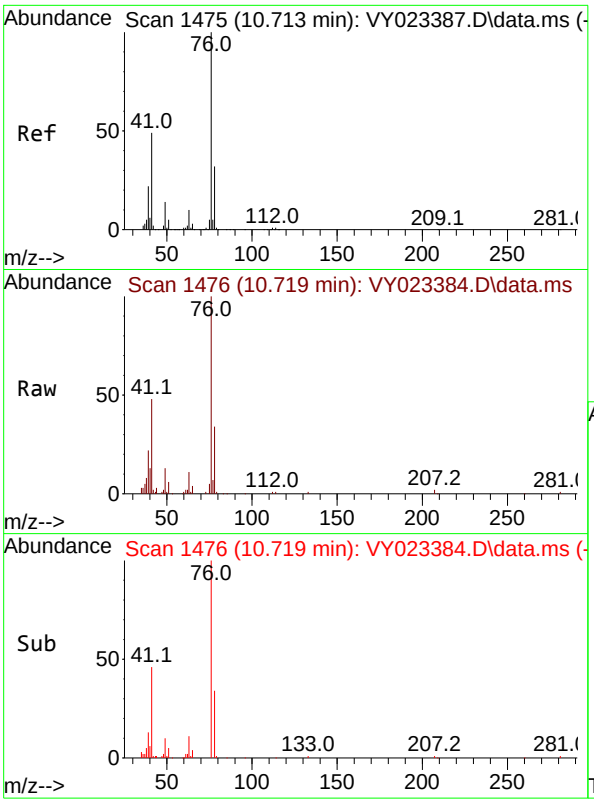


#56
Ethyl methacrylate
Concen: 3.891 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 69 Resp: 19324

Ion	Ratio	Lower	Upper
69	100		
41	60.6	44.6	67.0
39	36.2	27.0	40.4

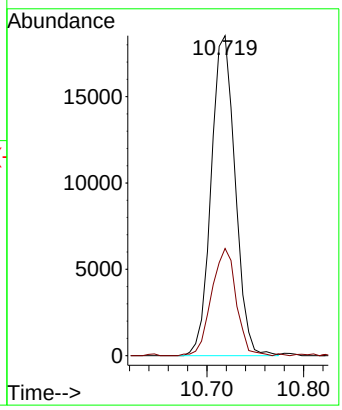




#57
1,3-Dichloropropane
Concen: 4.560 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 76 Resp: 3183

Ion	Ratio	Lower	Upper
76	100		
78	34.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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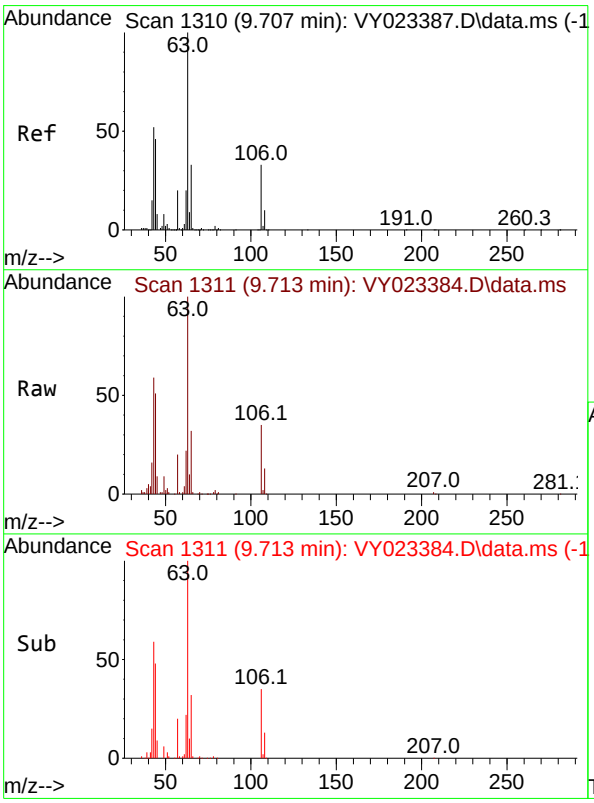
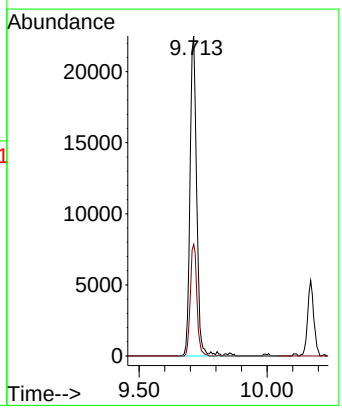
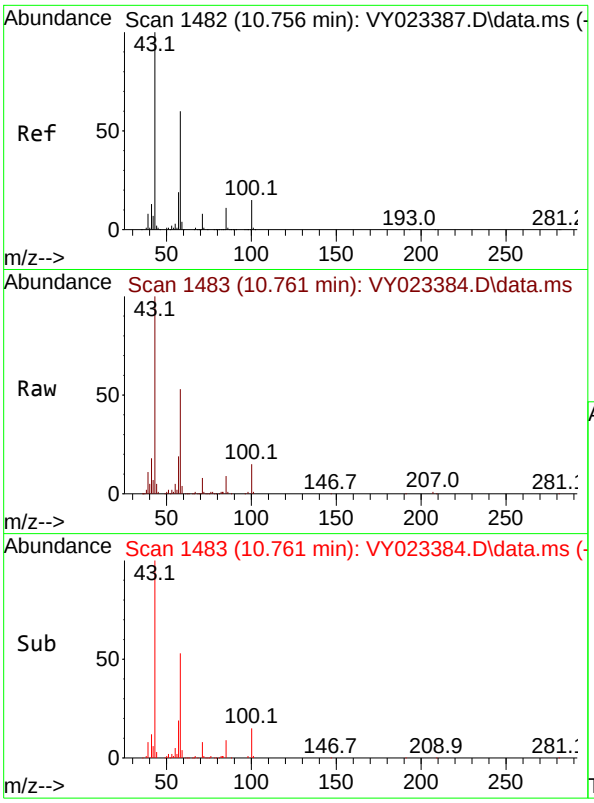


#58
2-Chloroethyl Vinyl ether
Concen: 18.894 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 41054

Ion	Ratio	Lower	Upper
63	100		
106	34.1	26.6	39.8





#59
2-Hexanone
Concen: 23.185 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 4777

Ion	Ratio	Lower	Upper
43	100		
58	58.4	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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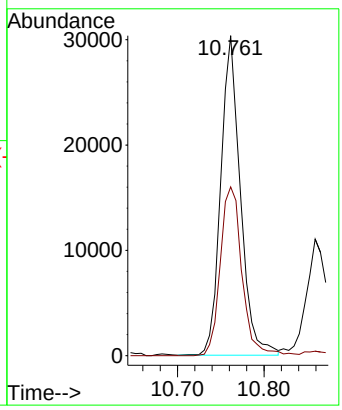
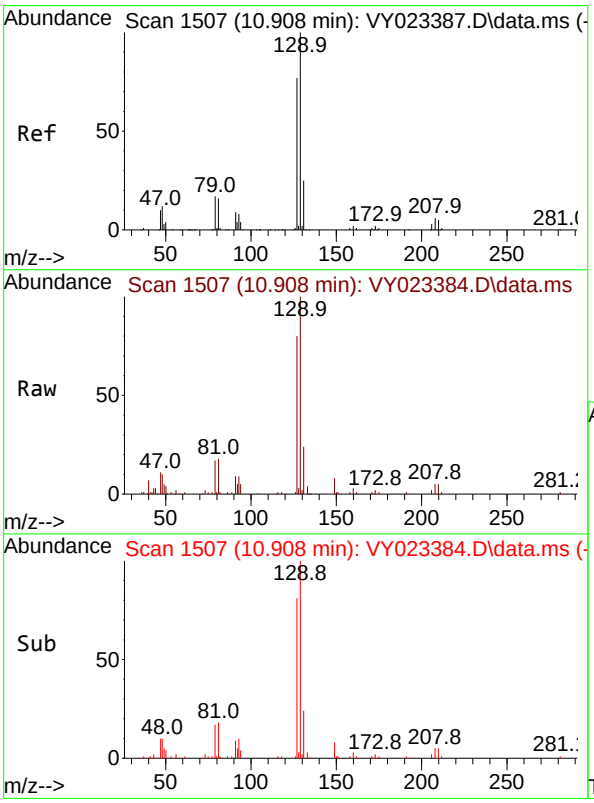
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

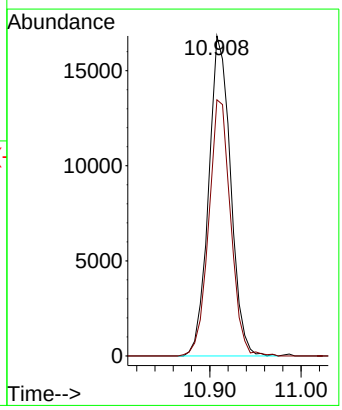


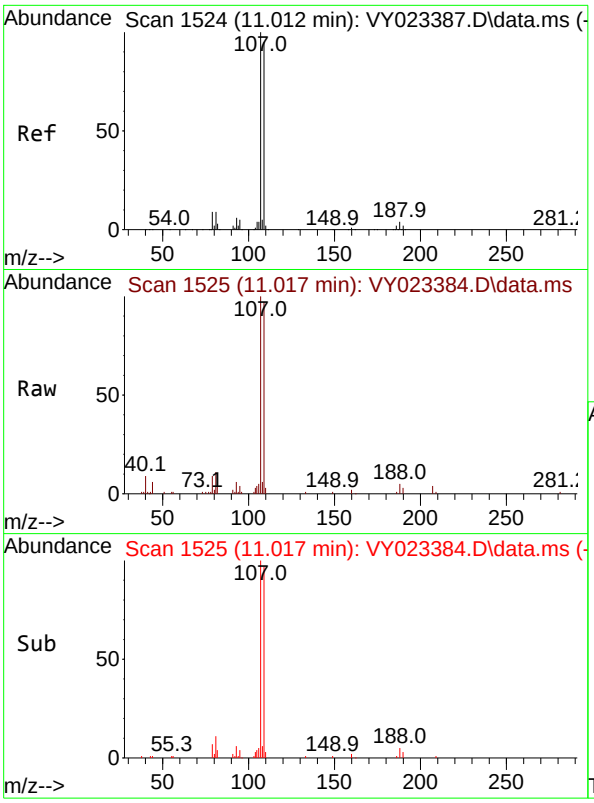


#60
Dibromochloromethane
Concen: 4.783 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:129 Resp: 28135

Ion	Ratio	Lower	Upper
129	100		
127	79.7	38.6	115.7

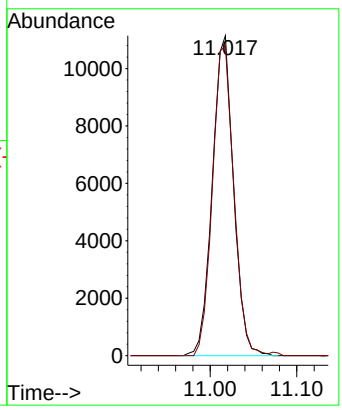




#61
1,2-Dibromoethane
Concen: 4.673 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:107 Resp: 1895

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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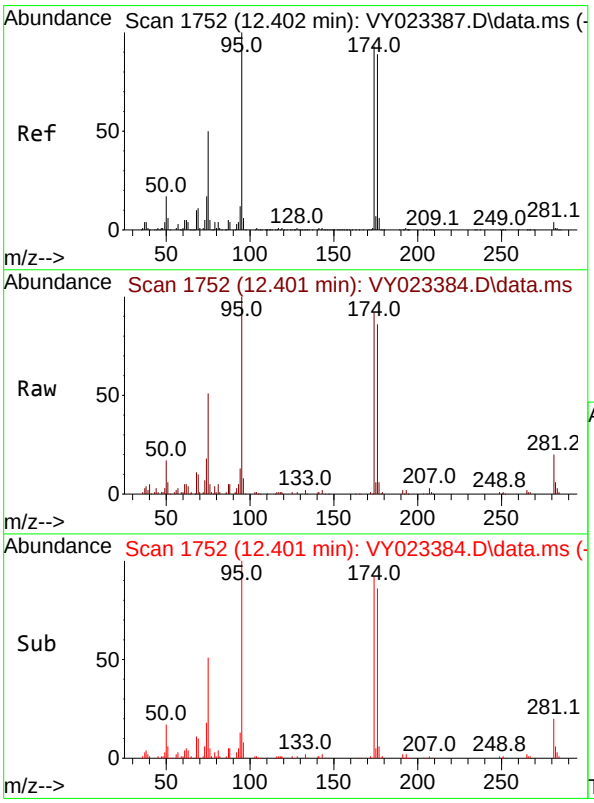
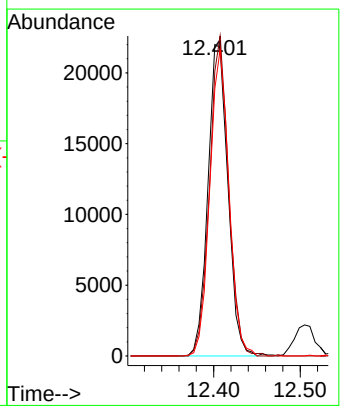
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

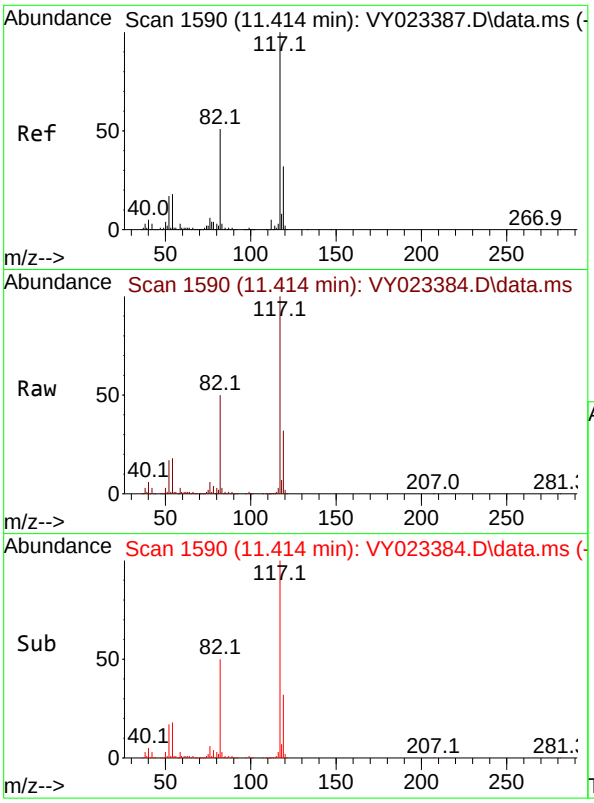


#62
4-Bromofluorobenzene
Concen: 5.548 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 95 Resp: 35355

Ion	Ratio	Lower	Upper
95	100		
174	97.9	0.0	192.8
176	94.0	0.0	187.6

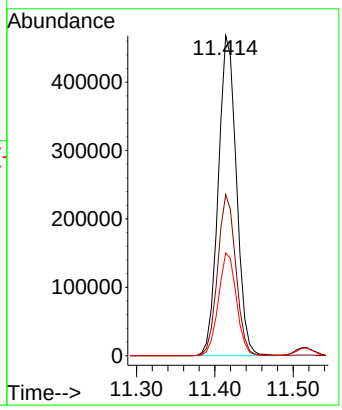




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:117 Resp: 75339

Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	32.1	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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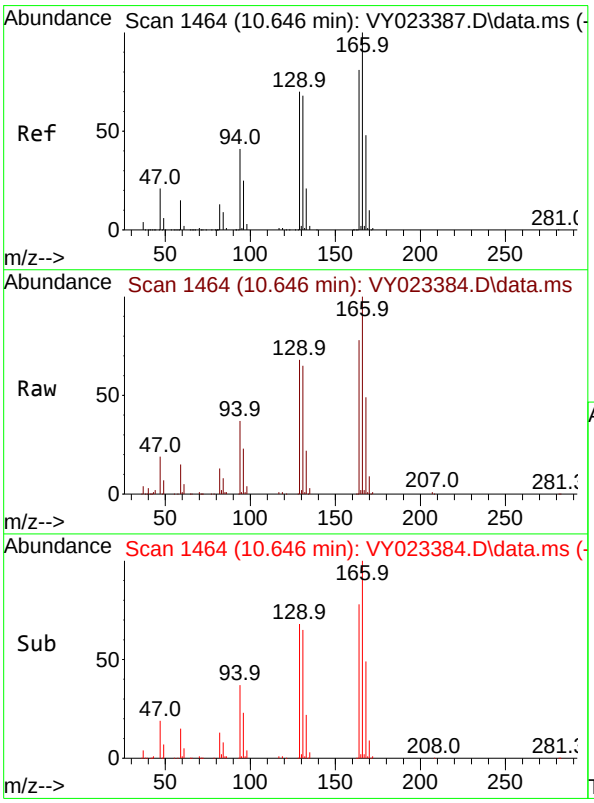
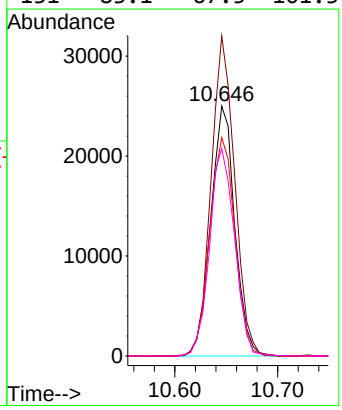
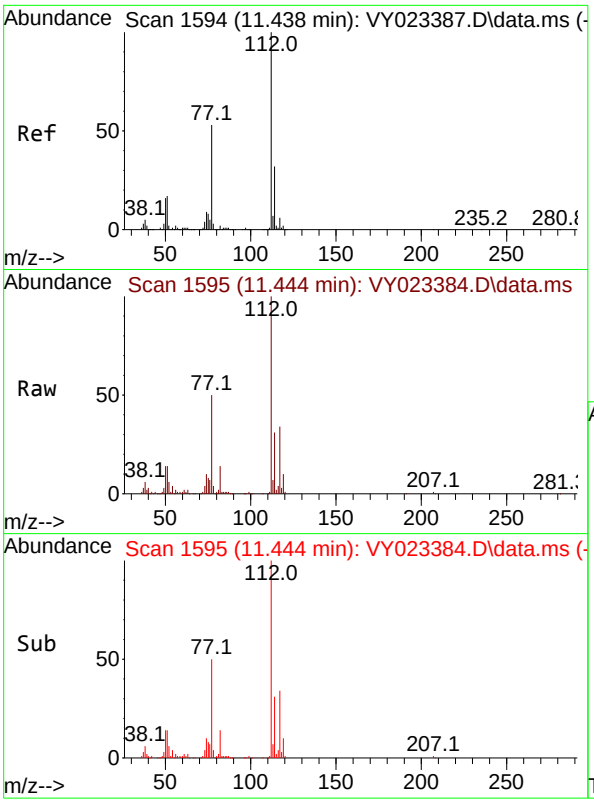


#64
Tetrachloroethene
Concen: 5.383 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:164 Resp: 40570

Ion	Ratio	Lower	Upper
164	100		
166	128.1	99.4	149.0
129	87.4	69.4	104.2
131	83.1	67.5	101.3

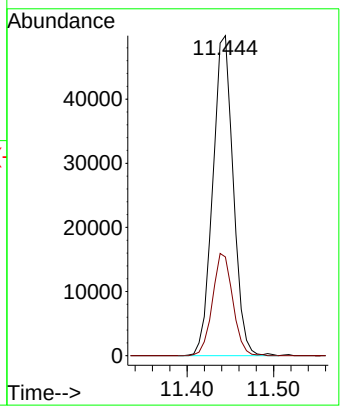




#65
Chlorobenzene
Concen: 4.997 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:112 Resp: 8180

Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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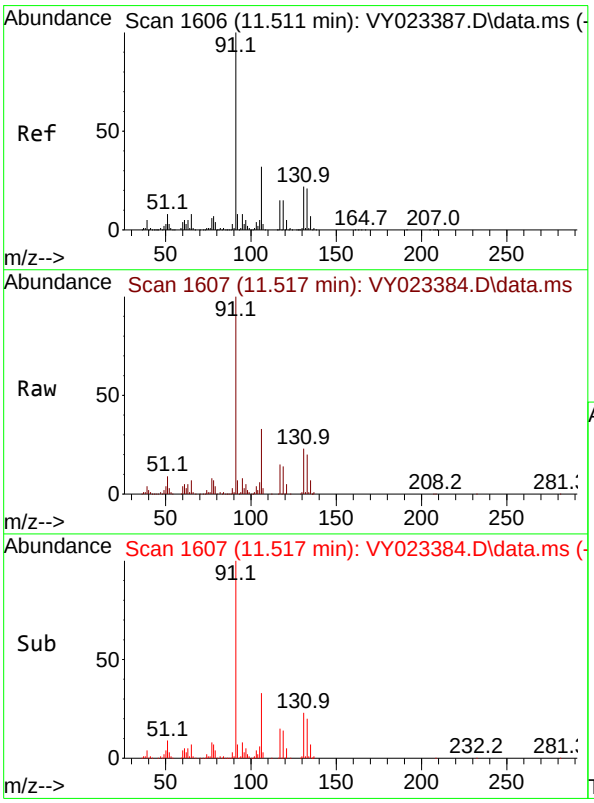
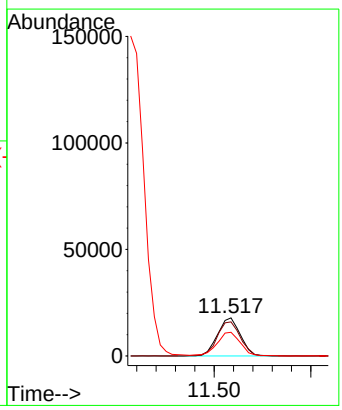
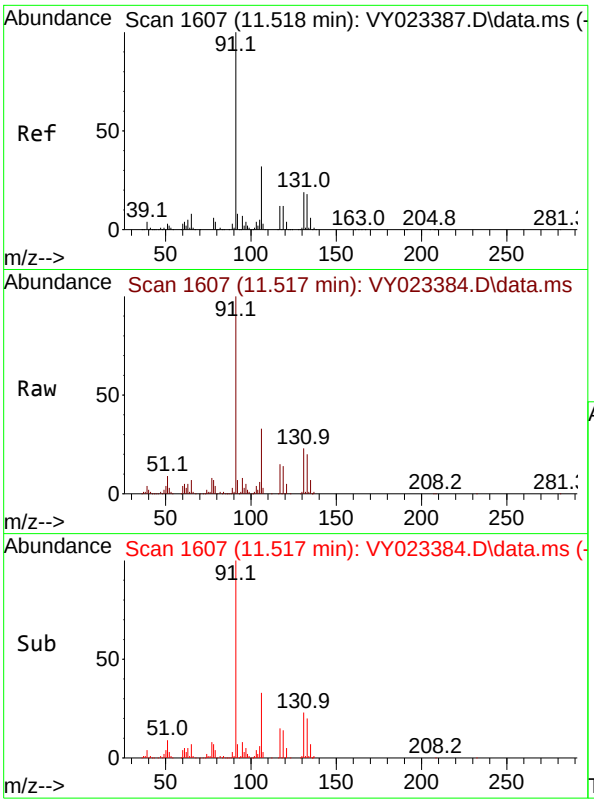


#66
1,1,1,2-Tetrachloroethane
Concen: 5.075 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:131 Resp: 29222

Ion	Ratio	Lower	Upper
131	100		
133	91.7	48.4	145.2
119	64.1	32.4	97.2

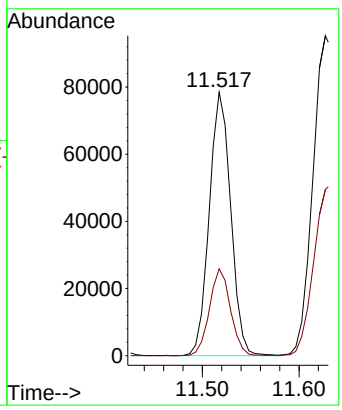




#67
Ethyl Benzene
Concen: 4.529 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 12100

Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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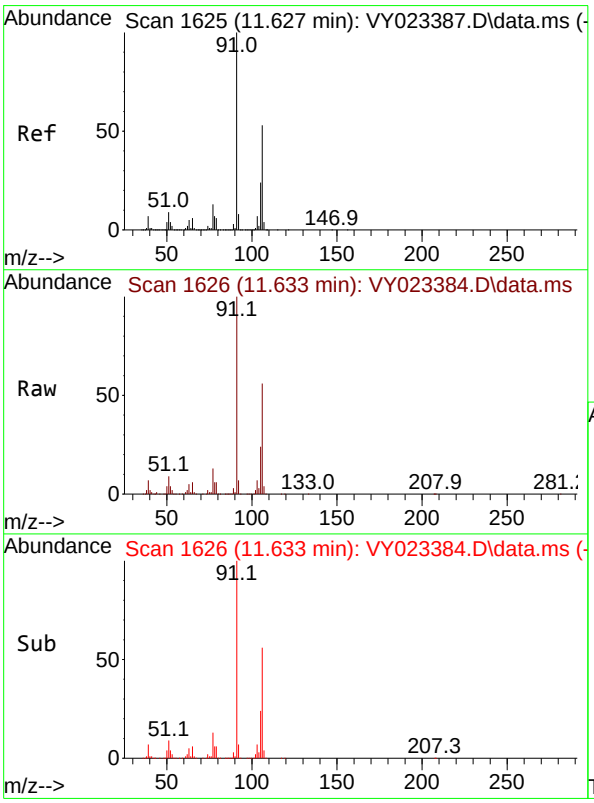
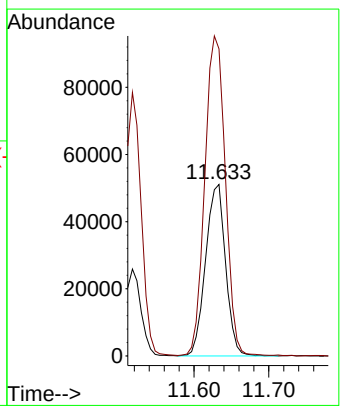
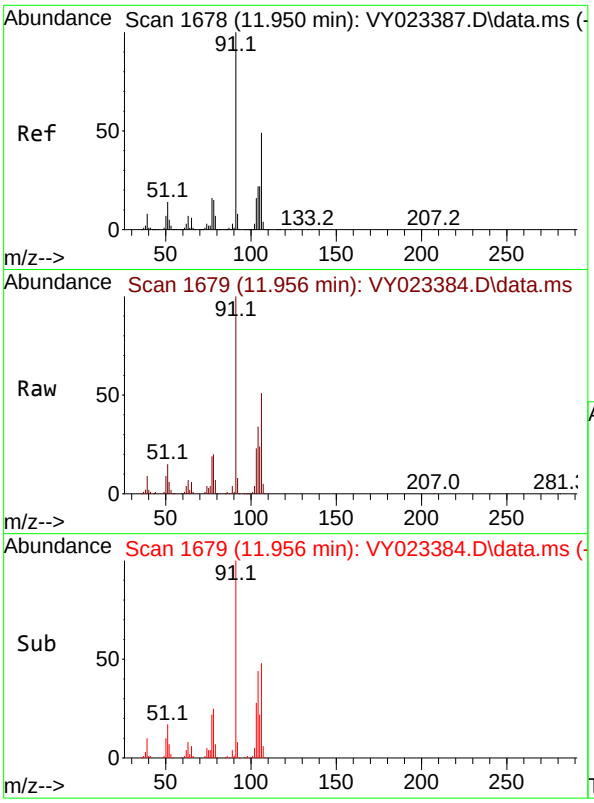


#68
m/p-Xylenes
Concen: 8.887 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:106 Resp: 95176

Ion	Ratio	Lower	Upper
106	100		
91	190.5	152.6	229.0





#69
o-Xylene
Concen: 4.466 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:106 Resp: 4428

Ion	Ratio	Lower	Upper
106	100		
91	199.7	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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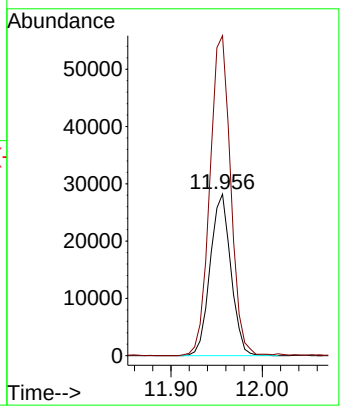
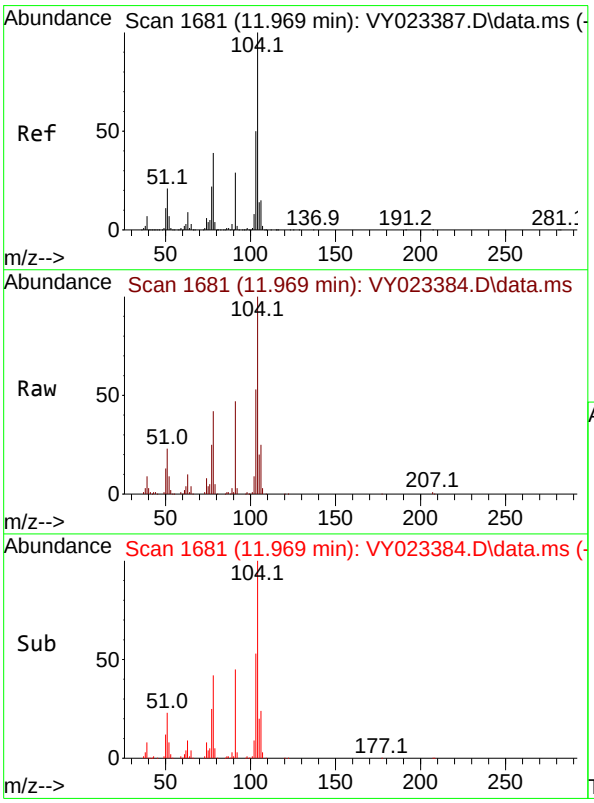
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

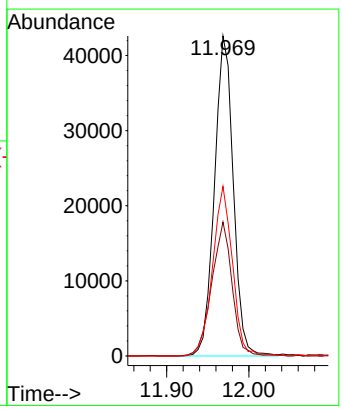


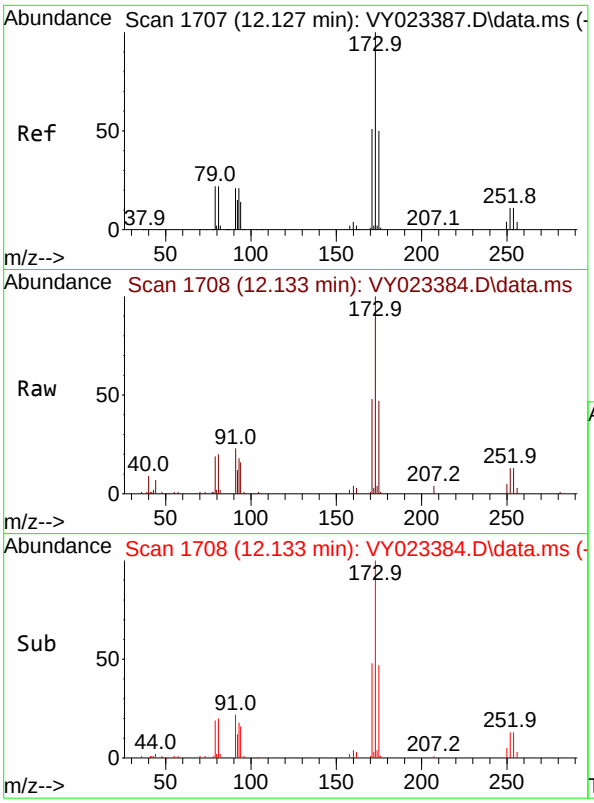


#70
Styrene
Concen: 4.152 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:104 Resp: 67960

Ion	Ratio	Lower	Upper
104	100		
78	45.1	36.1	54.1
103	55.9	43.2	64.8

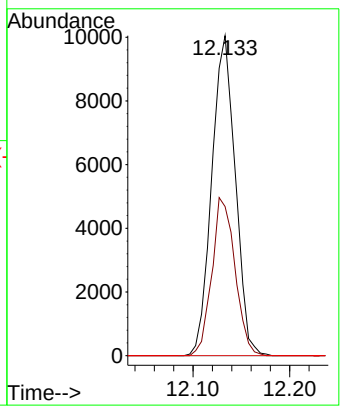




#71
Bromoform
Concen: 4.929 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:173 Resp: 1698

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.8	74.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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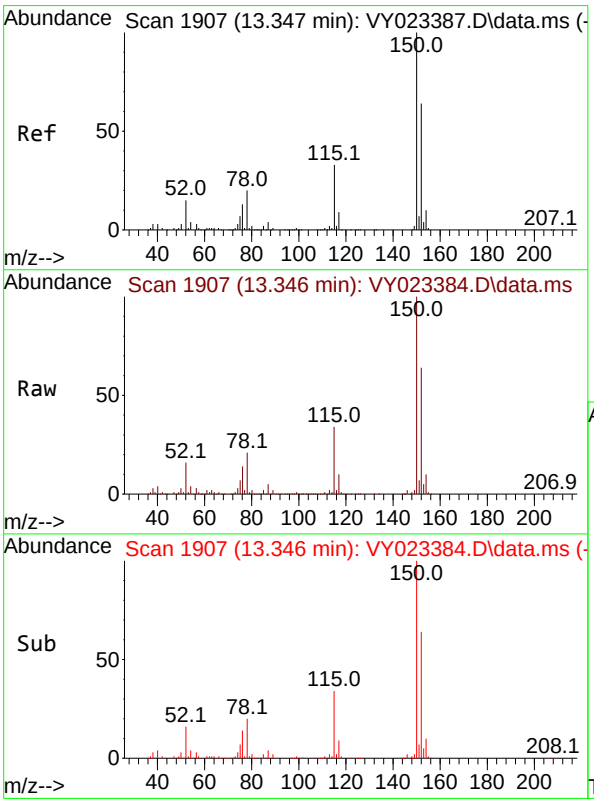
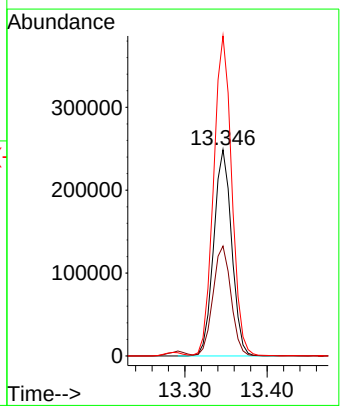
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

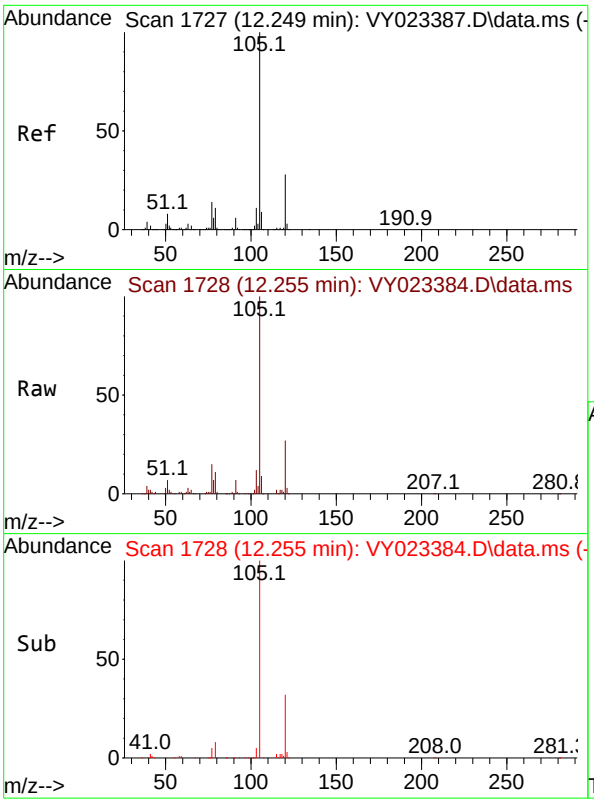


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:152 Resp: 378104

Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.1	81.2
150	156.6	0.0	347.4

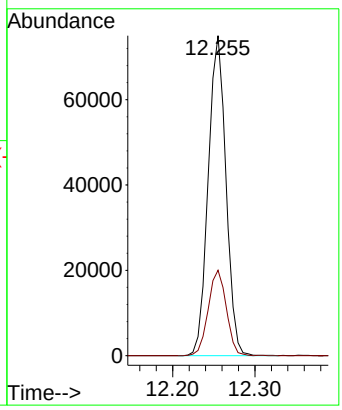




#73
Isopropylbenzene
Concen: 4.455 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 11219

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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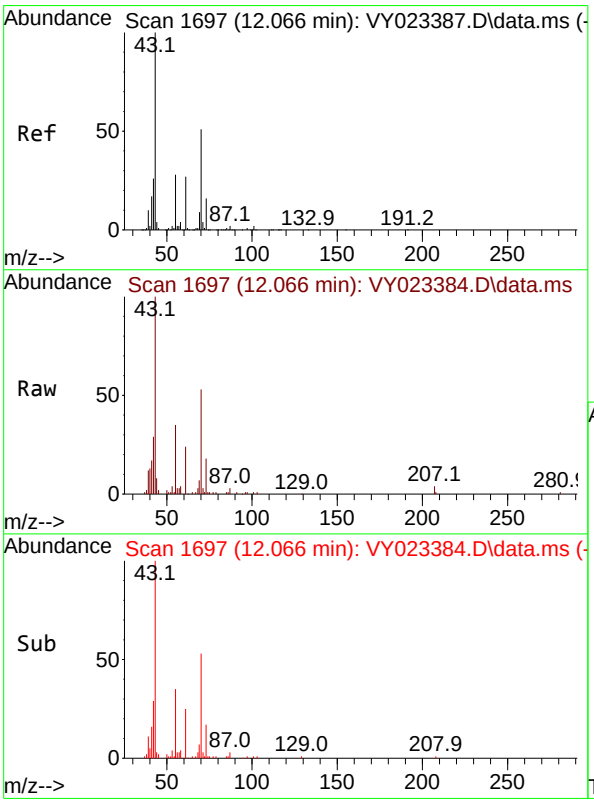
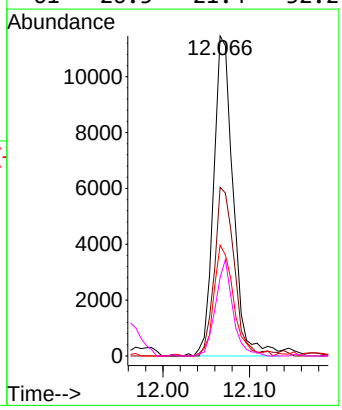
Supervised By :Mahesh Dadoda 10/10/2025

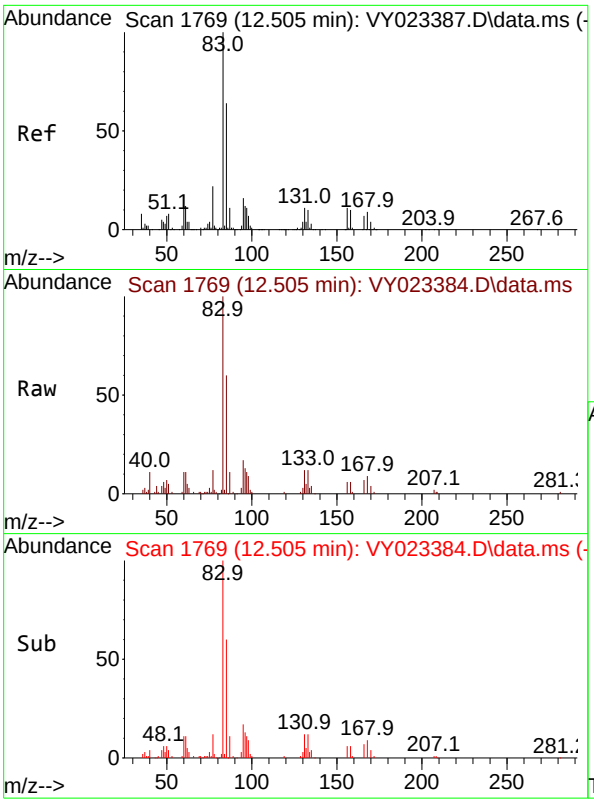


#74
N-amyl acetate
Concen: 3.833 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 18041

Ion	Ratio	Lower	Upper
43	100		
70	53.0	41.1	61.7
55	35.3	23.0	34.6#
61	26.5	21.4	32.2

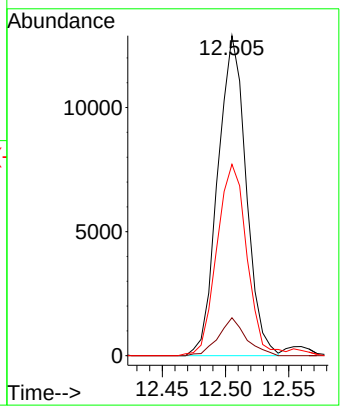




#75
1,1,2,2-Tetrachloroethane
Concen: 4.773 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 2005

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.9	17.6
85	63.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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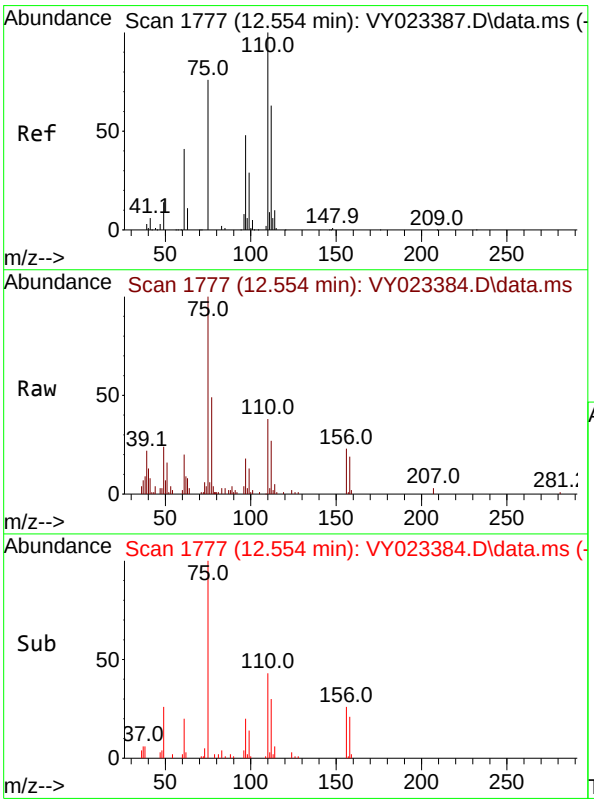
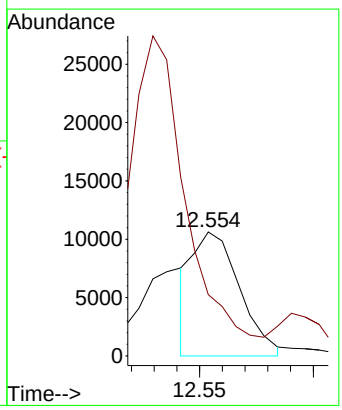
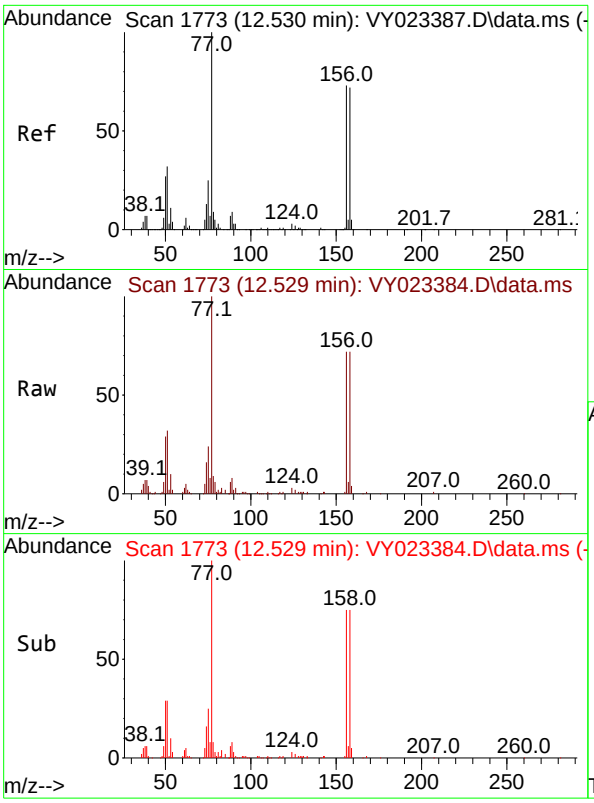


#76
1,2,3-Trichloropropane
Concen: 4.118 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 15359

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

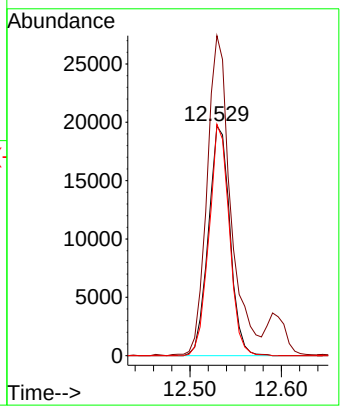




#77
Bromobenzene
Concen: 4.967 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:156 Resp: 3210

Ion	Ratio	Lower	Upper
156	100		
77	154.2	76.8	230.5
158	95.0	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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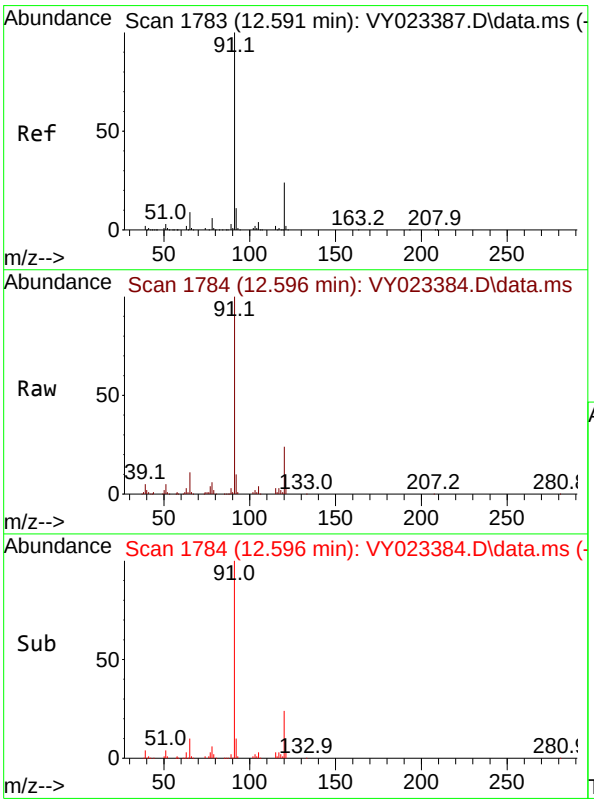
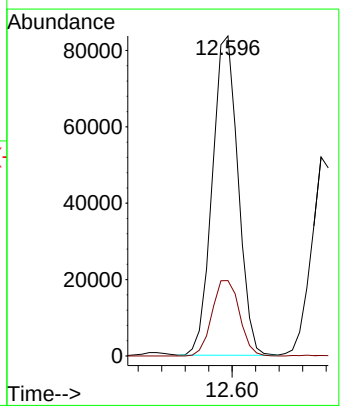
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

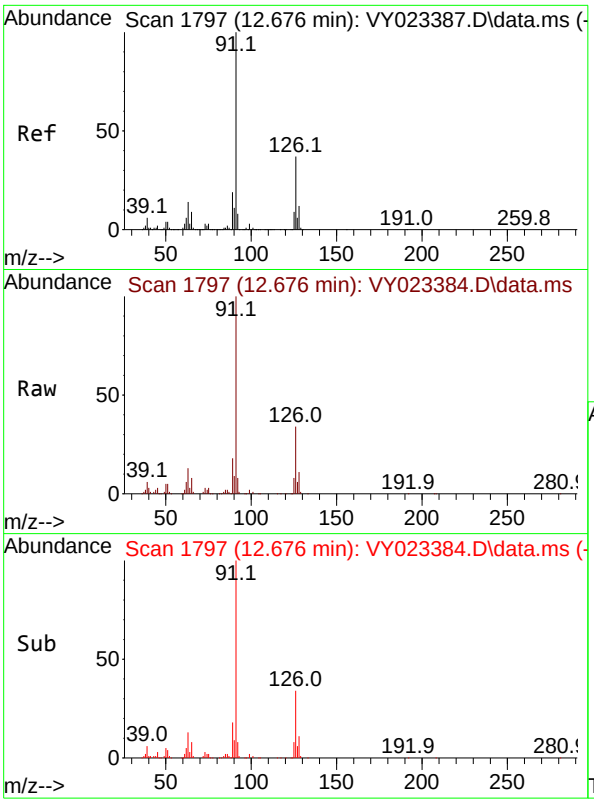


#78
n-propylbenzene
Concen: 4.305 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 127521

Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8





#79
2-Chlorotoluene
Concen: 4.631 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 7919

Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.5	55.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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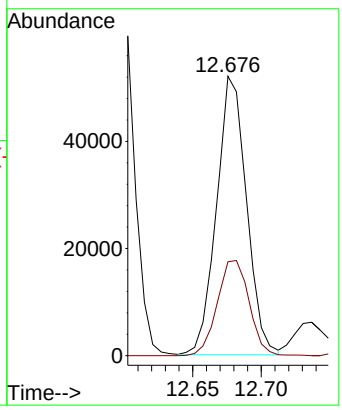
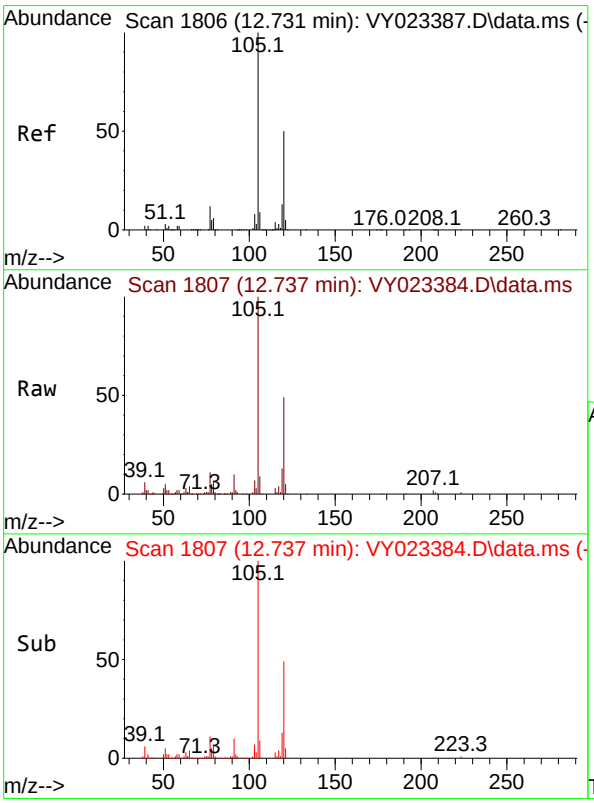
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

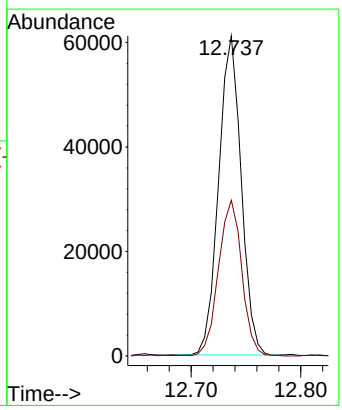


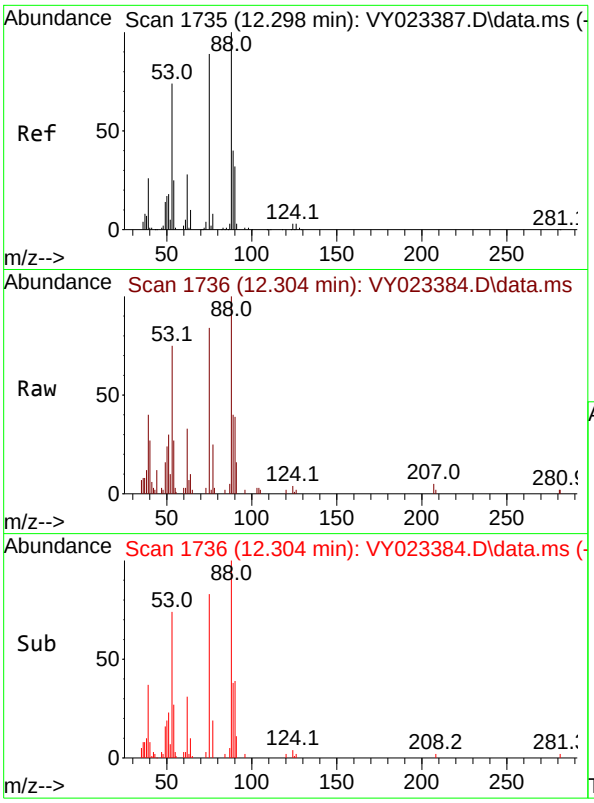


#80
1,3,5-Trimethylbenzene
Concen: 4.264 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 87297

Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 4.680 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 647

Ion	Ratio	Lower	Upper
75	100		
53	85.6	68.6	102.8
89	44.4	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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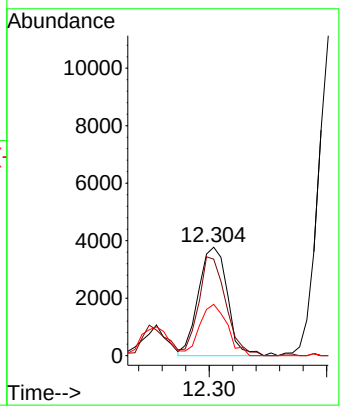
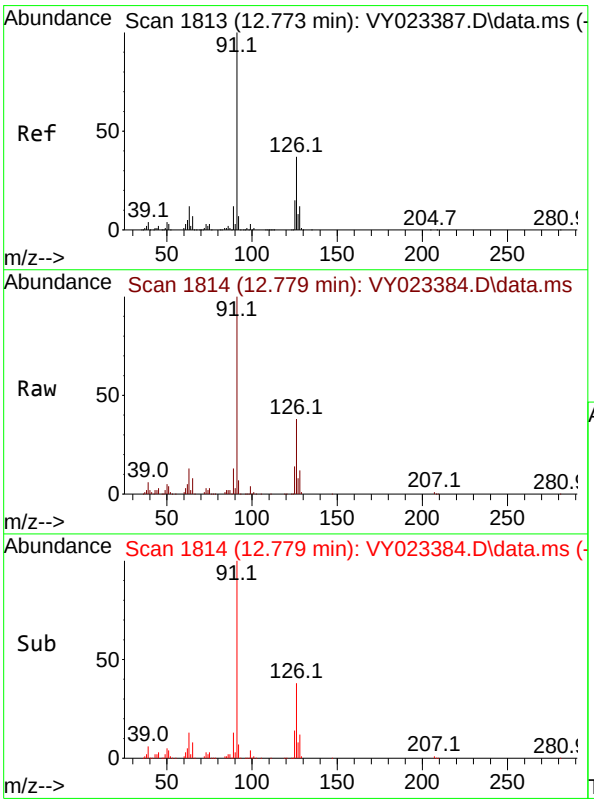
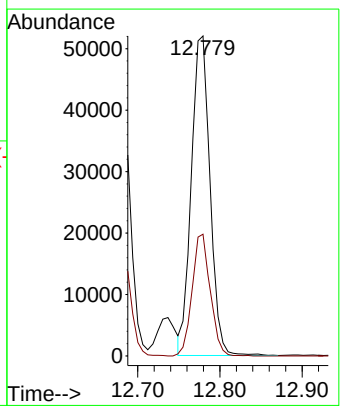


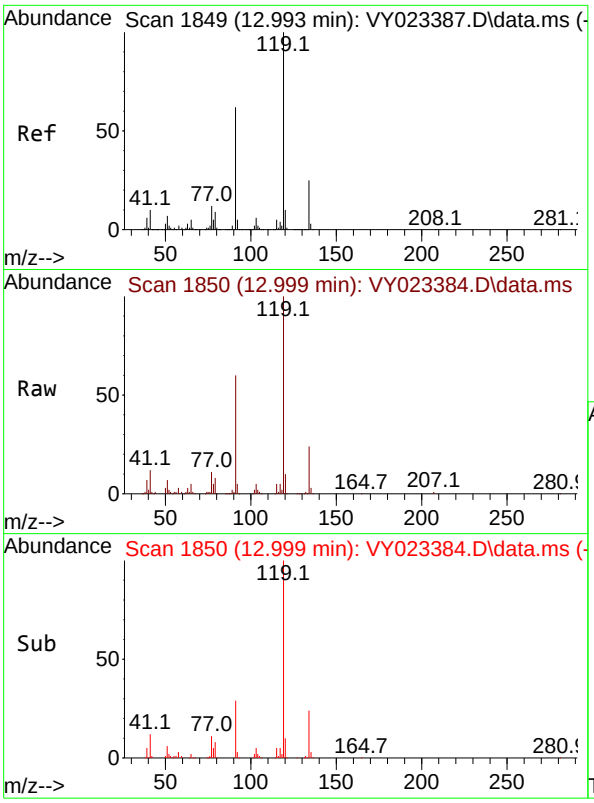


#82
4-Chlorotoluene
Concen: 4.600 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 82155

Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.4	55.4

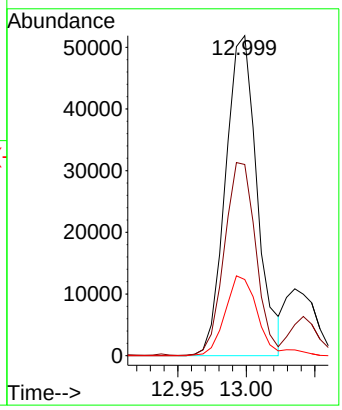




#83
tert-Butylbenzene
Concen: 4.457 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:119 Resp: 8315

Ion	Ratio	Lower	Upper
119	100		
91	60.0	29.9	89.8
134	26.2	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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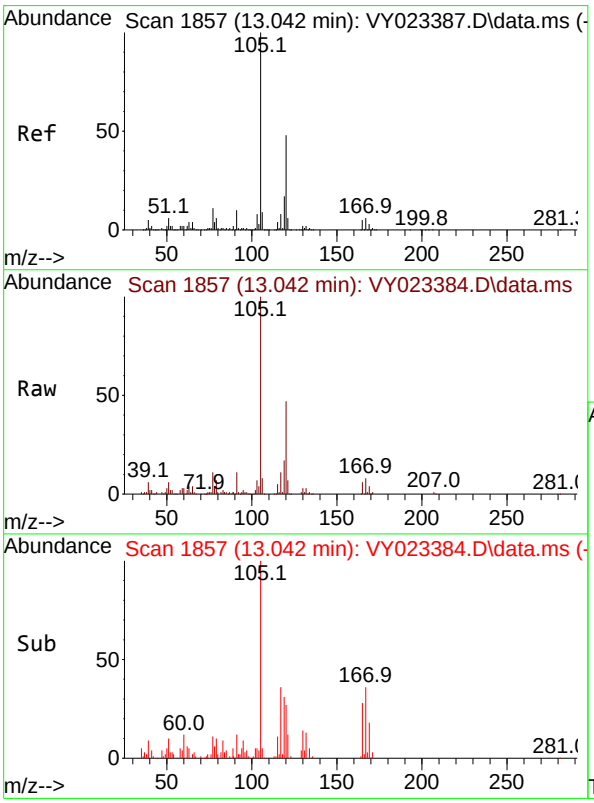
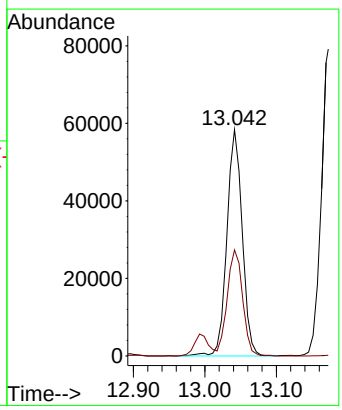
Supervised By :Mahesh Dadoda 10/10/2025

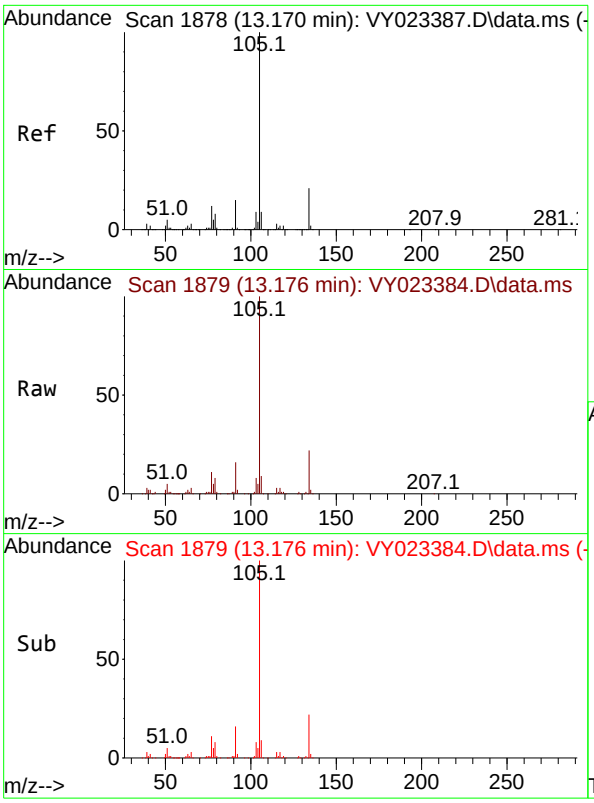


#84
1,2,4-Trimethylbenzene
Concen: 4.294 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 86988

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.2

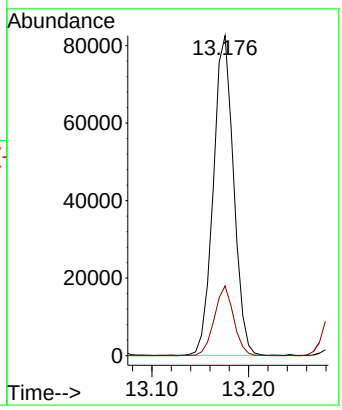




#85
sec-Butylbenzene
Concen: 4.443 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 12006

Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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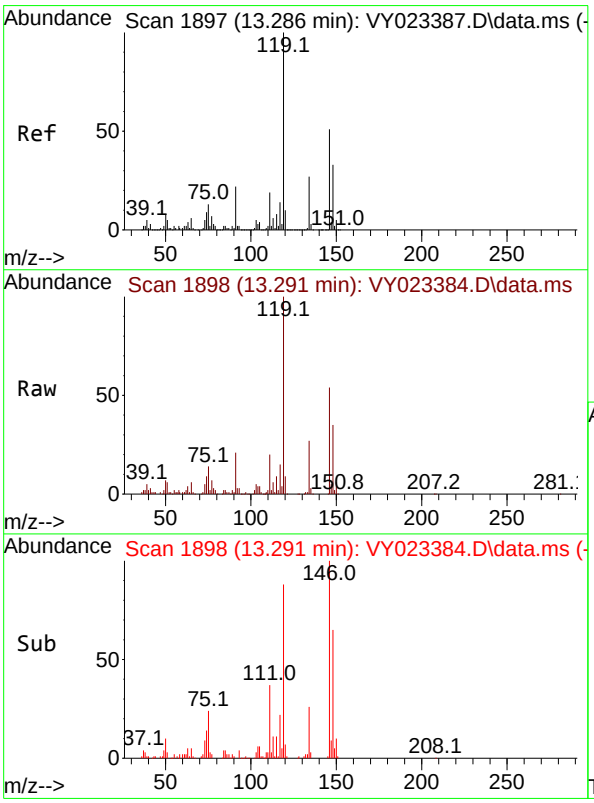
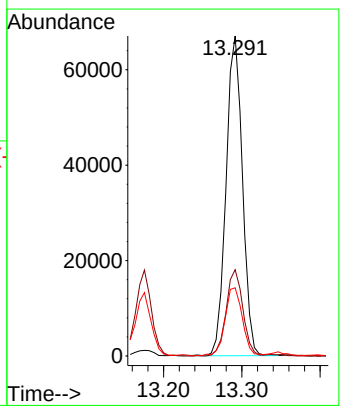
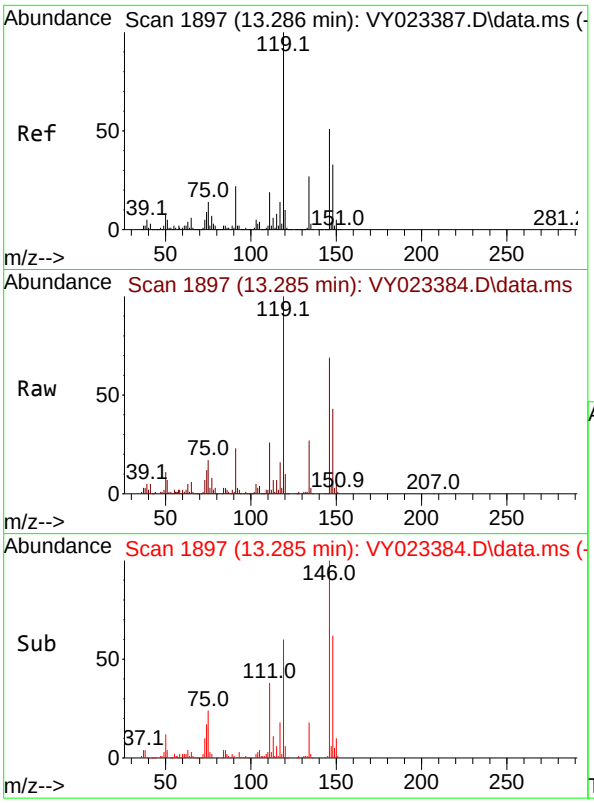


#86
p-Isopropyltoluene
Concen: 4.264 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:119 Resp: 97377

Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.6	40.7
91	22.7	10.9	32.9

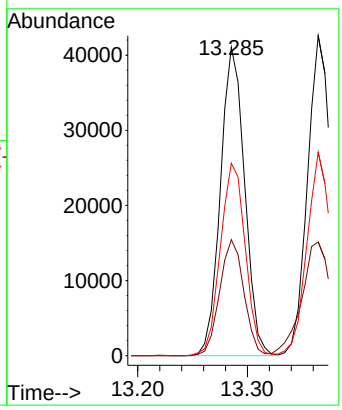




#87
1,3-Dichlorobenzene
Concen: 4.936 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:146 Resp: 6302

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	64.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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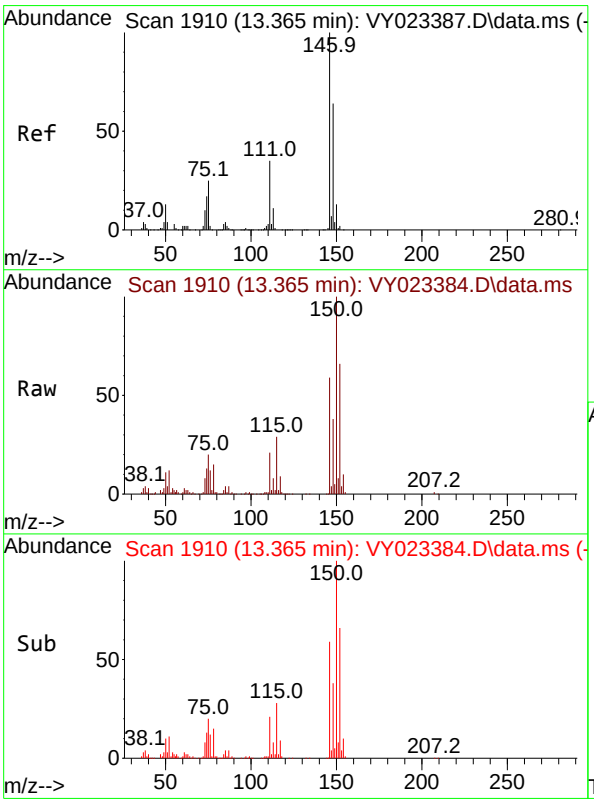
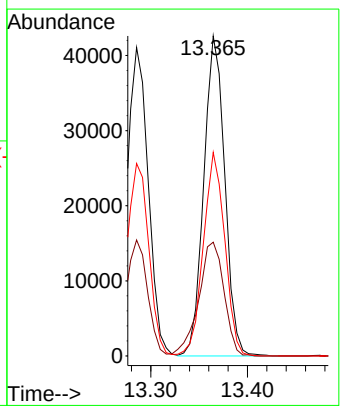
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

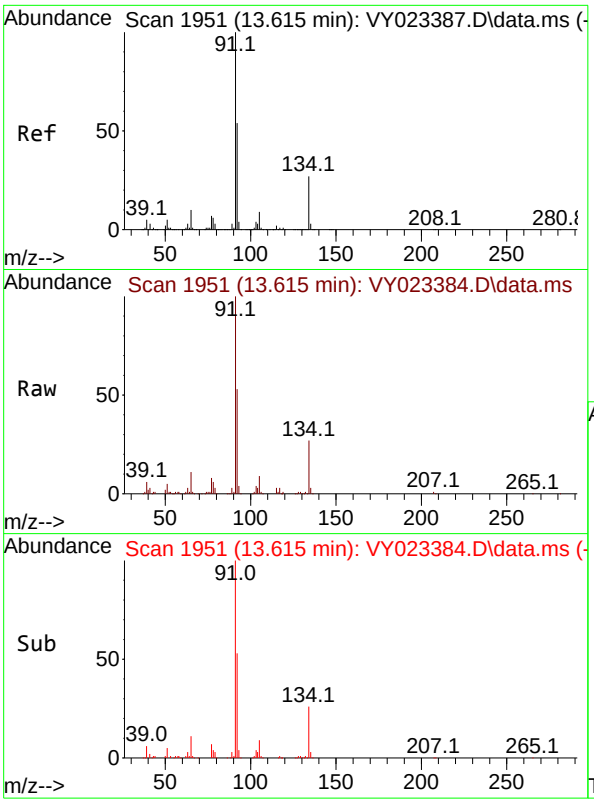


#88
1,4-Dichlorobenzene
Concen: 5.085 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:146 Resp: 64389

Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.0	54.0
148	65.1	31.9	95.7

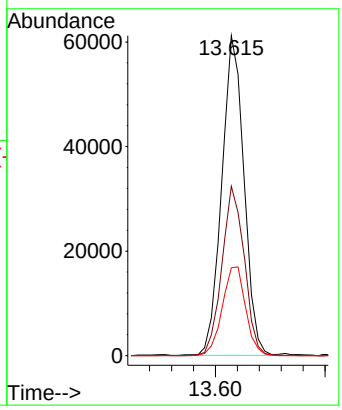




#89
n-Butylbenzene
Concen: 4.274 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 8617

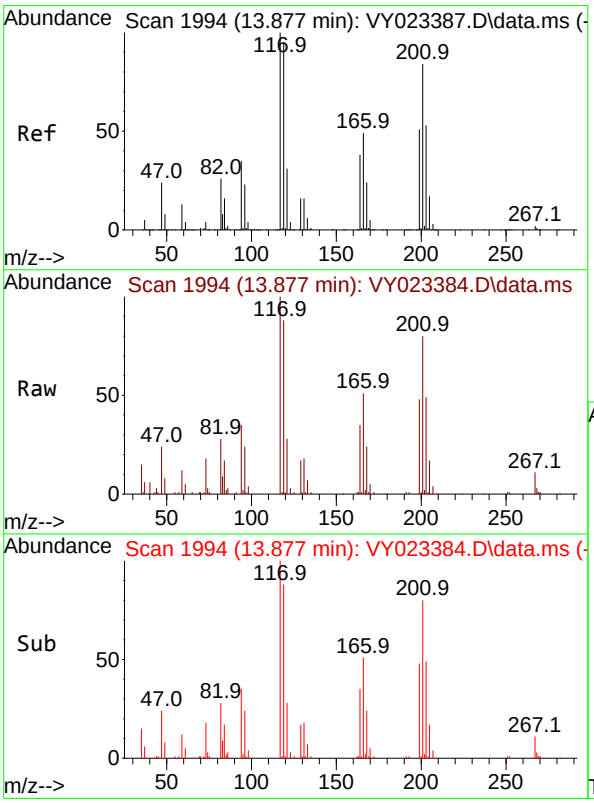
Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	29.2	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

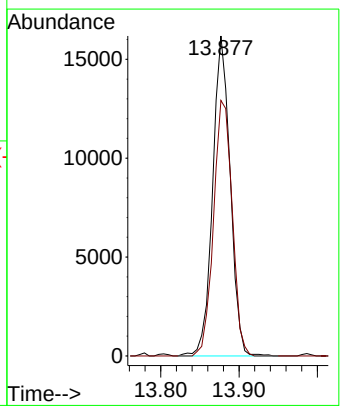
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

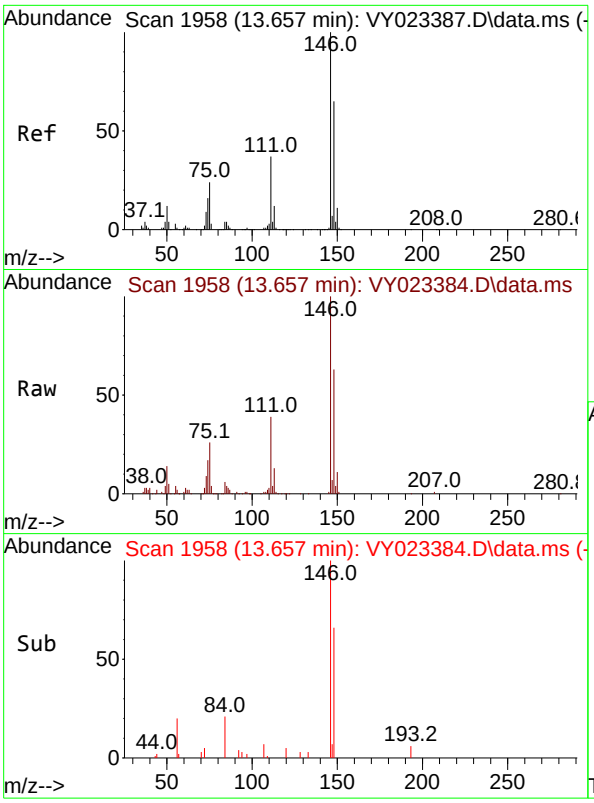


#90
Hexachloroethane
Concen: 5.084 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:117 Resp: 25204

Ion	Ratio	Lower	Upper
117	100		
201	84.7	43.8	131.4

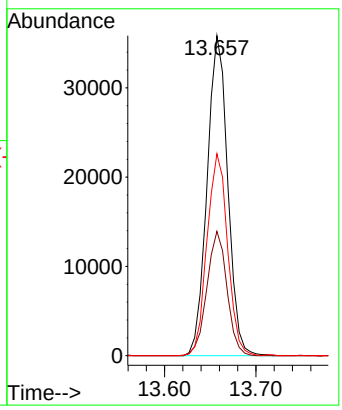




#91
1,2-Dichlorobenzene
Concen: 5.041 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:146 Resp: 5616

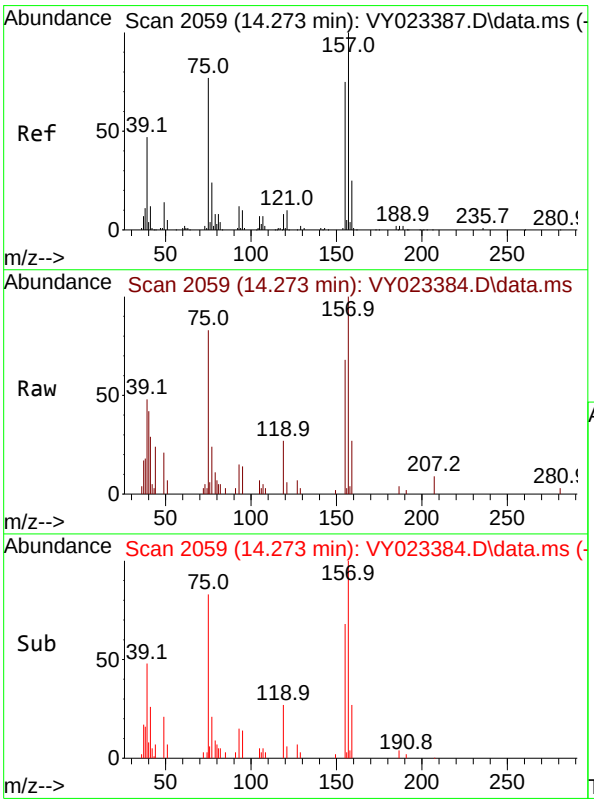
Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	63.0	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

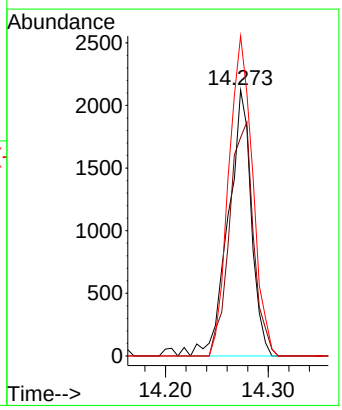
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

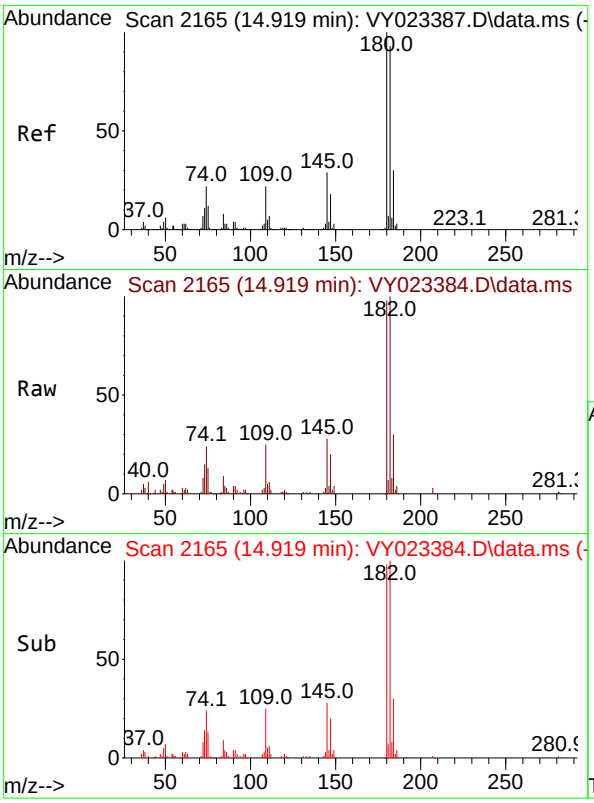


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.964 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 3305

Ion	Ratio	Lower	Upper
75	100		
155	91.7	50.0	150.0
157	124.4	63.8	191.5

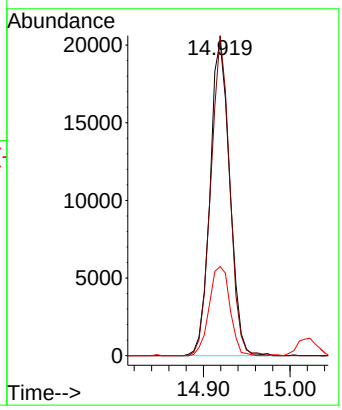




#93
1,2,4-Trichlorobenzene
Concen: 4.875 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:180 Resp: 3200

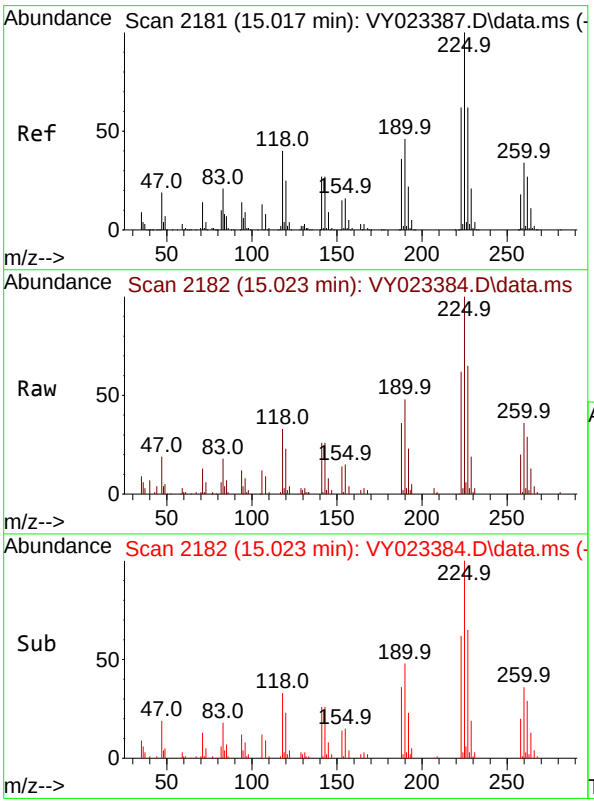
Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.6
145	29.9	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

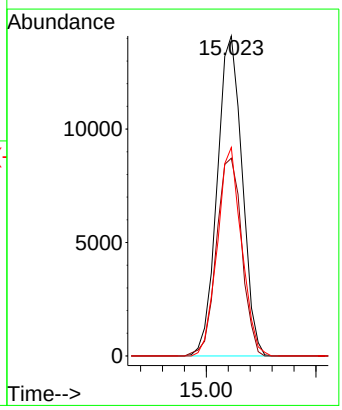
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

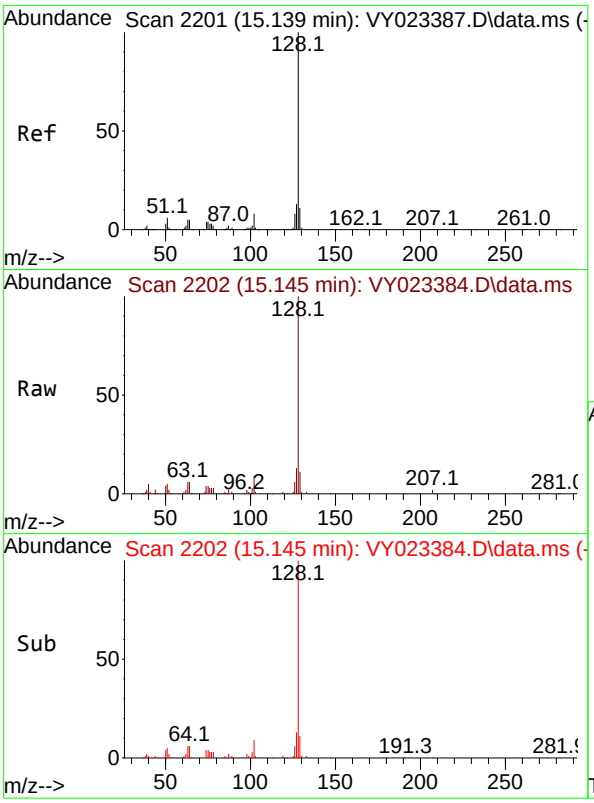


#94
Hexachlorobutadiene
Concen: 5.456 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:225 Resp: 22316

Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.8	92.3
227	63.1	31.9	95.7

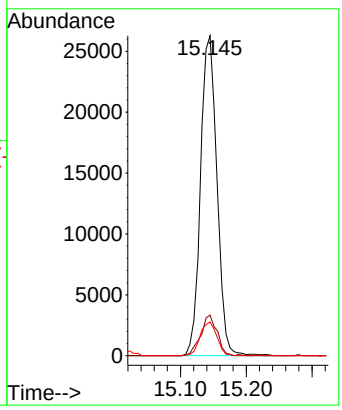




#95
Naphthalene
Concen: 4.360 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:128 Resp: 4559

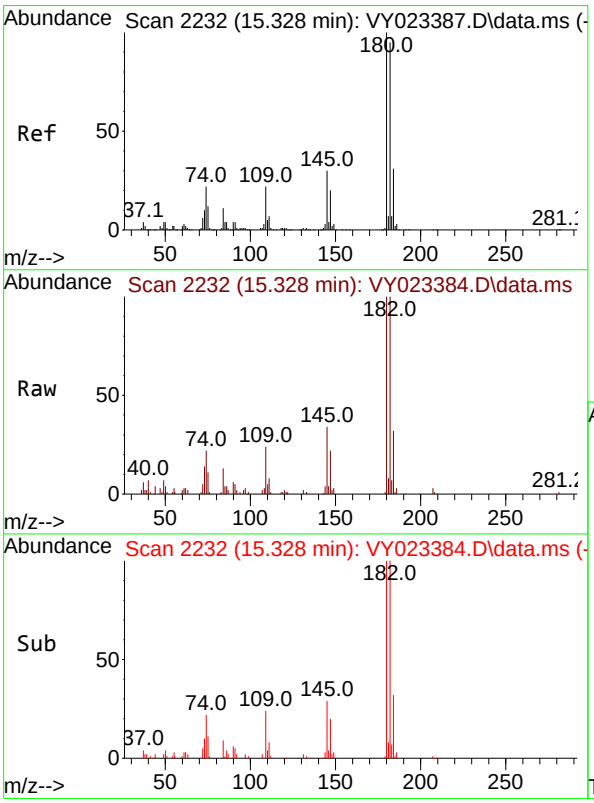
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.7	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

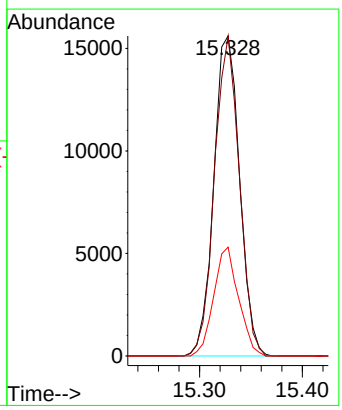
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.772 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:180 Resp: 27176

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.8
145	32.7	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	559828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	847077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	736152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	374998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48826	10.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.140%#		
35) Dibromofluoromethane	7.634	113	53279	10.364	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.720%#		
50) Toluene-d8	10.109	98	198242	10.225	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.460%#		
62) 4-Bromofluorobenzene	12.401	95	62601	10.235	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44666	10.129	ug/l	97
3) Chloromethane	2.068	50	62413	9.957	ug/l	97
4) Vinyl Chloride	2.202	62	76587	9.676	ug/l	99
5) Bromomethane	2.592	94	66689	10.271	ug/l	90
6) Chloroethane	2.732	64	51757	9.632	ug/l	92
7) Trichlorofluoromethane	3.055	101	102972	10.128	ug/l	99
8) Diethyl Ether	3.458	74	26719	10.047	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	54405	10.011	ug/l	99
10) Methyl Iodide	4.007	142	56313	8.967	ug/l	99
11) Tert butyl alcohol	4.854	59	20540	71.998	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	53191	10.173	ug/l	98
13) Acrolein	3.653	56	24014	49.681	ug/l	94
14) Allyl chloride	4.385	41	62154	9.494	ug/l	99
15) Acrylonitrile	5.061	53	51937	49.854	ug/l	99
16) Acetone	3.872	43	65410	59.997	ug/l	94
17) Carbon Disulfide	4.104	76	153055	9.382	ug/l	100
18) Methyl Acetate	4.391	43	29725	10.728	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	120347	9.830	ug/l	100
20) Methylene Chloride	4.616	84	71034	12.016	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	56465	9.710	ug/l	97
22) Diisopropyl ether	6.024	45	138589	9.547	ug/l	98
23) Vinyl Acetate	5.963	43	361478	45.300	ug/l	99
24) 1,1-Dichloroethane	5.915	63	93512	9.772	ug/l	98
25) 2-Butanone	6.890	43	75171	55.784	ug/l	92
26) 2,2-Dichloropropane	6.890	77	86325	10.153	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	65335	9.905	ug/l	99
28) Bromochloromethane	7.244	49	36132	9.733	ug/l	99
29) Tetrahydrofuran	7.262	42	38990	48.749	ug/l	99
30) Chloroform	7.421	83	102058	9.890	ug/l	99
31) Cyclohexane	7.701	56	80245	9.495	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	91186	9.844	ug/l	99
36) 1,1-Dichloropropene	7.835	75	69913	9.639	ug/l	99
37) Ethyl Acetate	6.988	43	27388	9.551	ug/l	96
38) Carbon Tetrachloride	7.817	117	84799	10.065	ug/l	99
39) Methylcyclohexane	9.109	83	82275	8.860	ug/l	95
40) Benzene	8.079	78	220629	9.758	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	14344	9.632	ug/l	#	92
42) 1,2-Dichloroethane	8.158	62	58541	10.174	ug/l		99
43) Isopropyl Acetate	8.201	43	53042	9.510	ug/l		98
44) Trichloroethene	8.865	130	64537	10.171	ug/l		96
45) 1,2-Dichloropropane	9.140	63	49009	9.632	ug/l		100
46) Dibromomethane	9.231	93	30780	9.890	ug/l		99
47) Bromodichloromethane	9.426	83	78392	10.007	ug/l		99
48) Methyl methacrylate	9.225	41	23484	9.023	ug/l		97
49) 1,4-Dioxane	9.231	88	6822	211.693	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	134746	47.165	ug/l		99
52) Toluene	10.170	92	138662	9.661	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	64315	9.559	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	77905	9.687	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	41881	10.118	ug/l		92
56) Ethyl methacrylate	10.438	69	42096	8.830	ug/l		98
57) 1,3-Dichloropropane	10.719	76	64537	9.633	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	94970m	45.535	ug/l		
59) 2-Hexanone	10.761	43	99175	50.138	ug/l		96
60) Dibromochloromethane	10.908	129	57151	10.123	ug/l		97
61) 1,2-Dibromoethane	11.011	107	38861	9.979	ug/l		99
64) Tetrachloroethene	10.646	164	76110	10.335	ug/l		98
65) Chlorobenzene	11.438	112	161155	10.074	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.517	131	57233	10.173	ug/l		98
67) Ethyl Benzene	11.517	91	251958	9.651	ug/l		98
68) m/p-Xylenes	11.627	106	198866	19.004	ug/l		99
69) o-Xylene	11.950	106	91710	9.467	ug/l		100
70) Styrene	11.969	104	151094	9.446	ug/l		99
71) Bromoform	12.133	173	35681	10.595	ug/l	#	94
73) Isopropylbenzene	12.249	105	236489	9.467	ug/l		99
74) N-amyl acetate	12.066	43	40098	8.590	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	41130	9.871	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	29944m	8.095	ug/l		
77) Bromobenzene	12.529	156	66002	10.295	ug/l		99
78) n-propylbenzene	12.590	91	275671	9.384	ug/l		100
79) 2-Chlorotoluene	12.676	91	165582	9.762	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	191799	9.445	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	13110	9.556	ug/l		99
82) 4-Chlorotoluene	12.773	91	169968	9.595	ug/l		100
83) tert-Butylbenzene	12.993	119	177250	9.579	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	191423	9.528	ug/l		98
85) sec-Butylbenzene	13.170	105	254134	9.483	ug/l		100
86) p-Isopropyltoluene	13.285	119	210320	9.287	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	127377	10.058	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	127757	10.172	ug/l		98
89) n-Butylbenzene	13.615	91	182116	9.107	ug/l		98
90) Hexachloroethane	13.877	117	47355	9.630	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	112325	10.165	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7005	10.608	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	65050	9.992	ug/l		98
94) Hexachlorobutadiene	15.023	225	42813	10.554	ug/l		97
95) Naphthalene	15.139	128	96092	9.264	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	56499	10.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

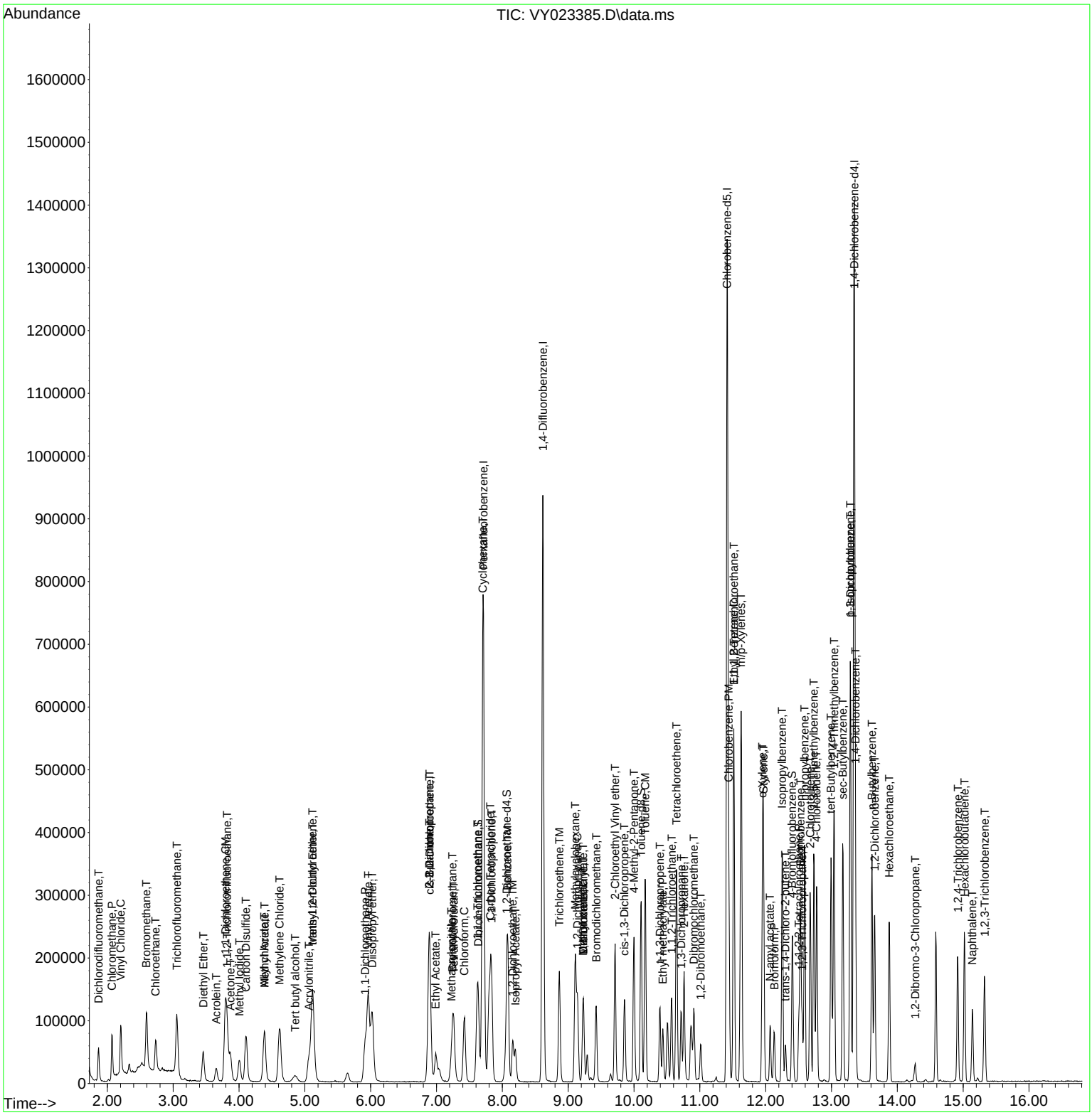
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

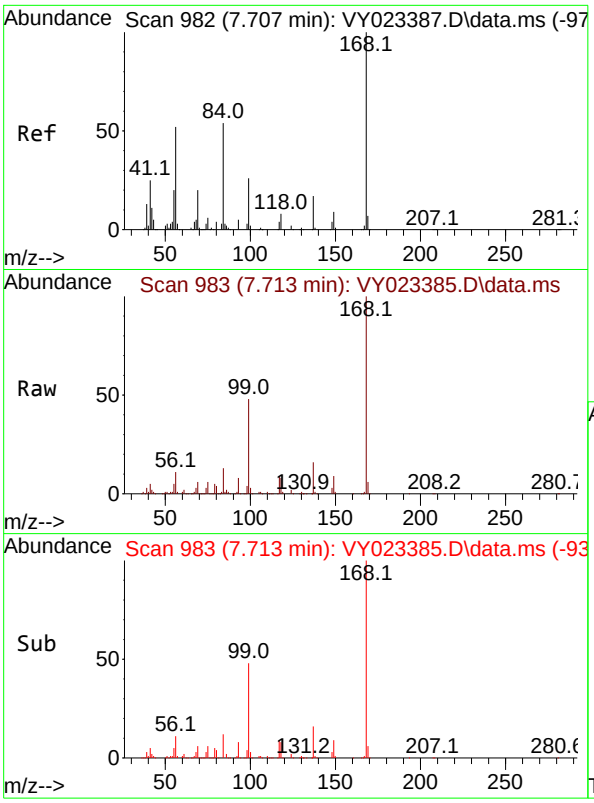
Quant Time: Oct 08 04:40:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

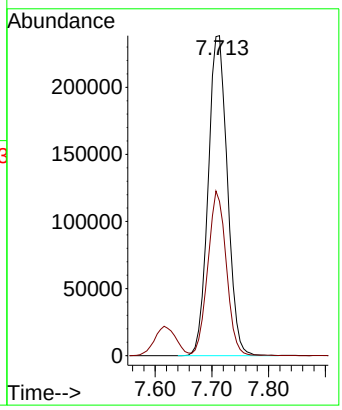




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:168 Resp: 55982

Ion	Ratio	Lower	Upper
168	100		
99	48.2	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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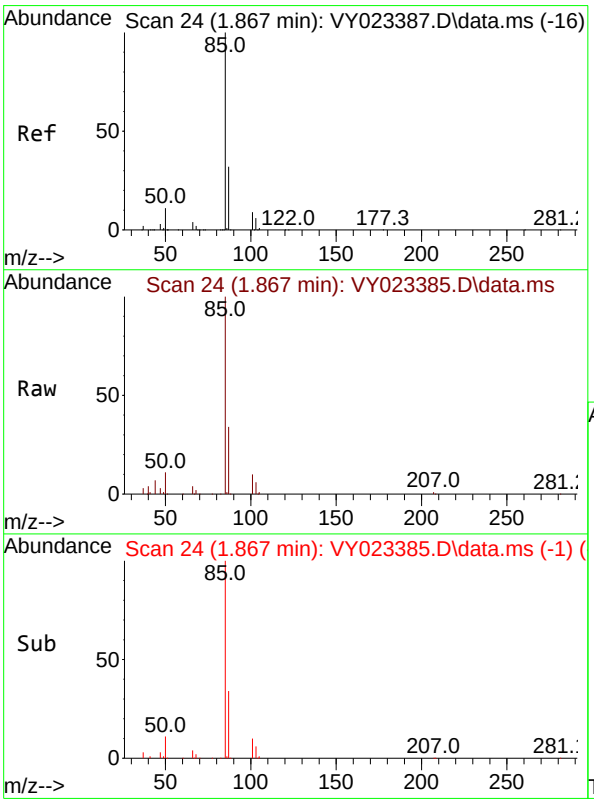
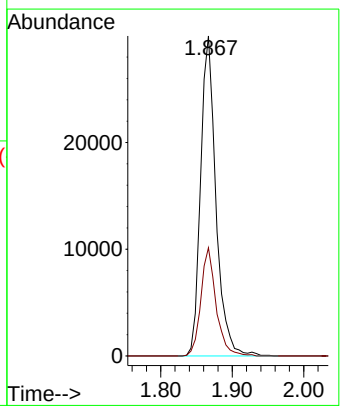
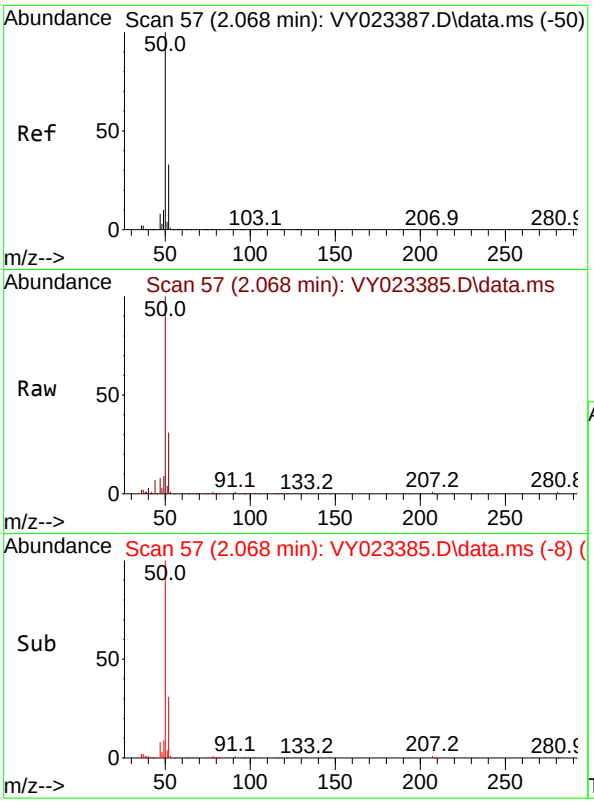


#2
Dichlorodifluoromethane
Concen: 10.129 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 85 Resp: 44666

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.0	47.9

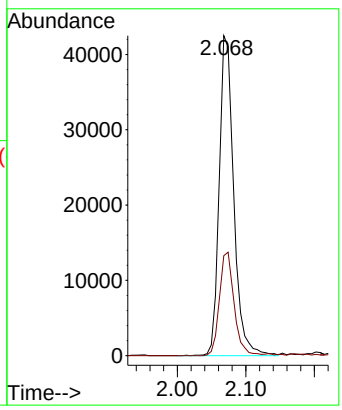




#3
Chloromethane
Concen: 9.957 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 50 Resp: 6241

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.2	39.2



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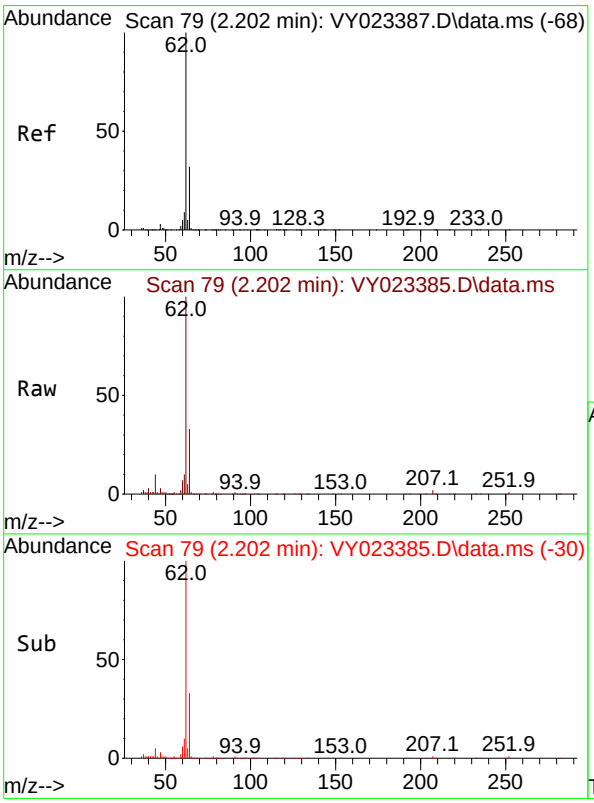
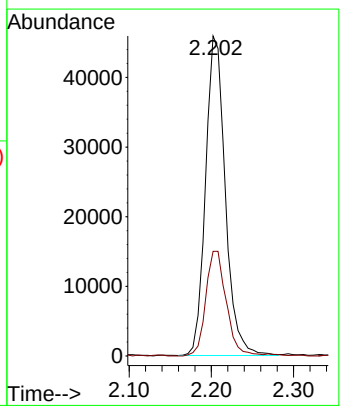
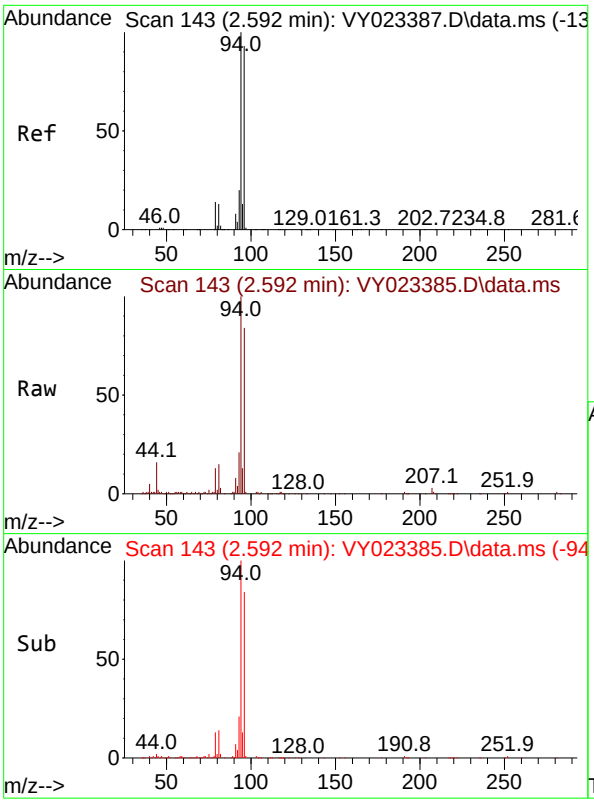


#4
Vinyl Chloride
Concen: 9.676 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 62 Resp: 76587

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.8	38.8





#5
Bromomethane
Concen: 10.271 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 94 Resp: 6668

Ion	Ratio	Lower	Upper
94	100		
96	83.4	74.5	111.7

Instrument :
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ClientSampleId :
VSTDICC010

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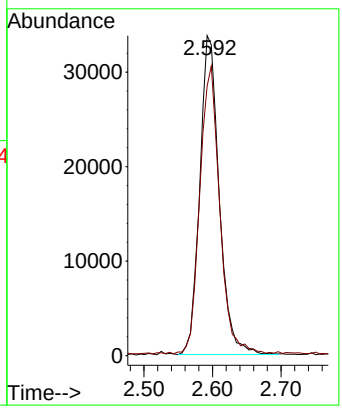
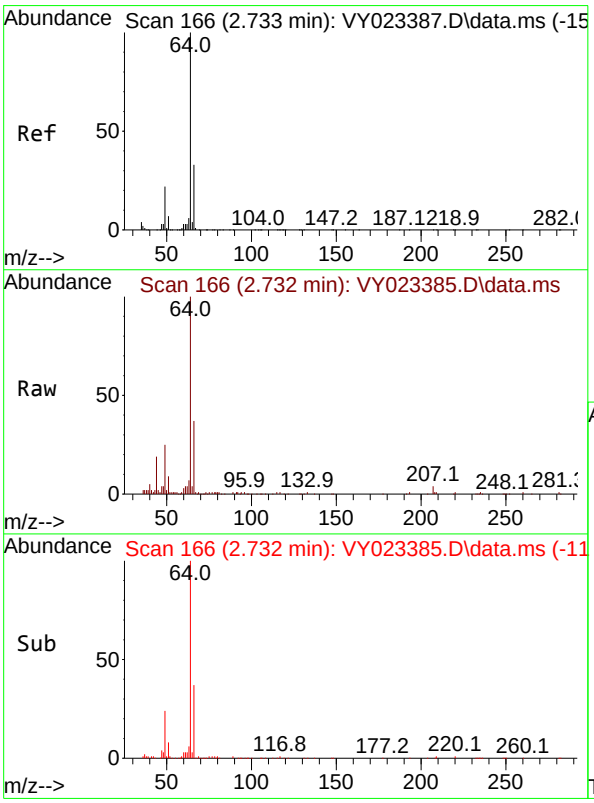
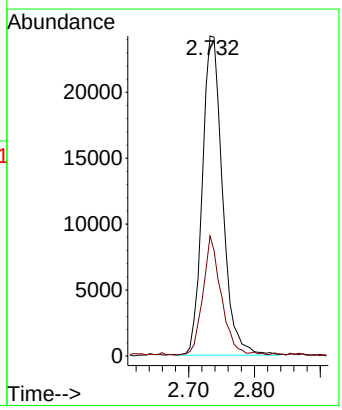


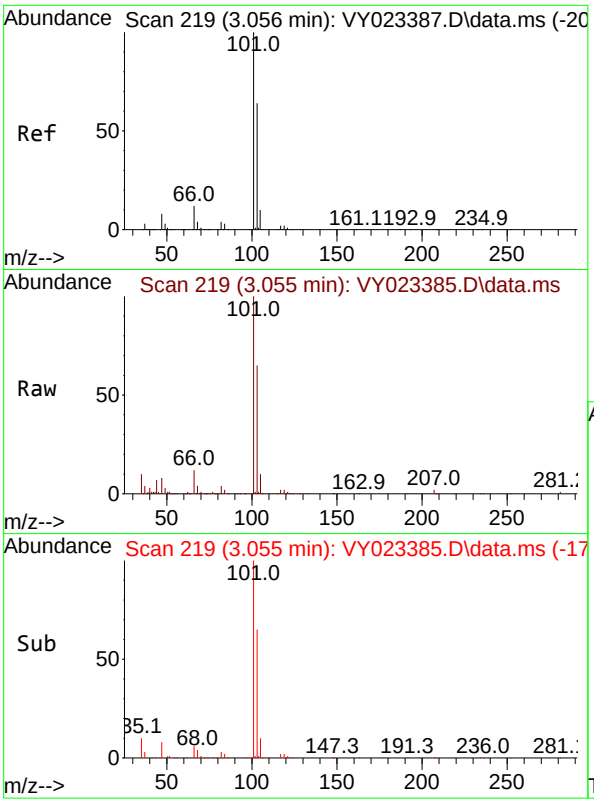


#6
Chloroethane
Concen: 9.632 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 64 Resp: 51757

Ion	Ratio	Lower	Upper
64	100		
66	37.2	26.2	39.4

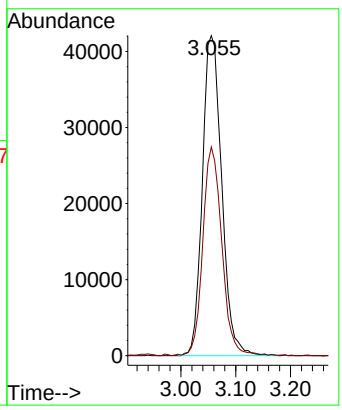




#7
Trichlorofluoromethane
Concen: 10.128 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:101 Resp: 10297

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.3	76.9



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ClientSampleId :
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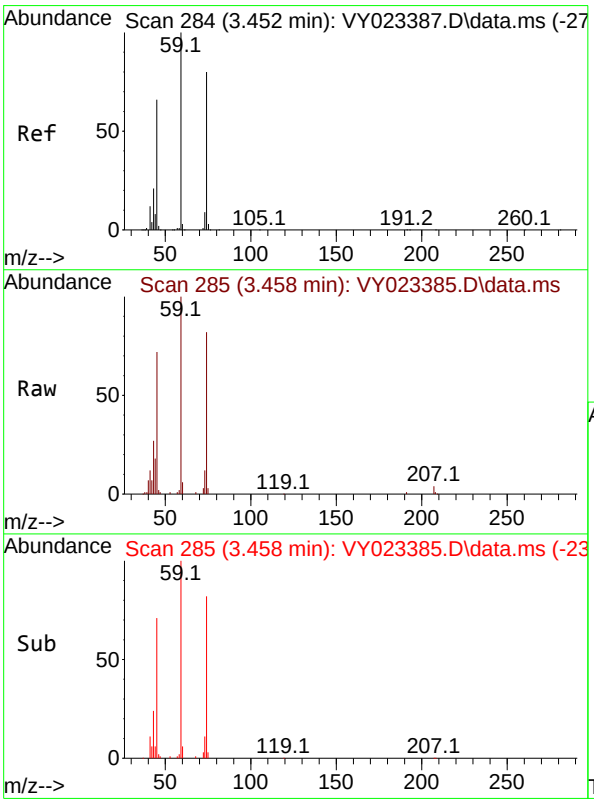
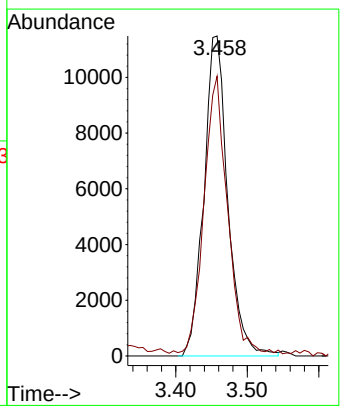
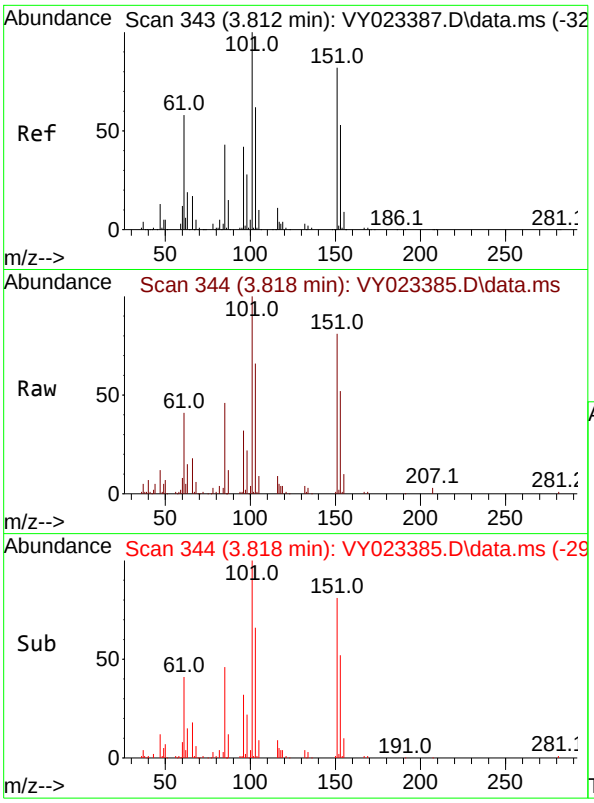


#8
Diethyl Ether
Concen: 10.047 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 74 Resp: 26719

Ion	Ratio	Lower	Upper
74	100		
45	83.5	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.011 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:101 Resp: 5440

Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.6	51.8
151	82.7	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
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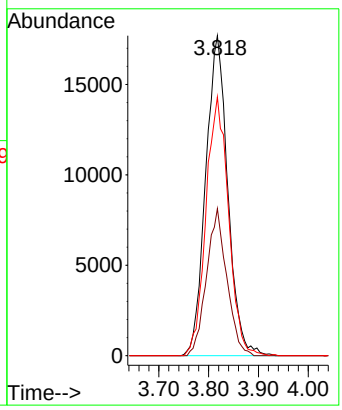
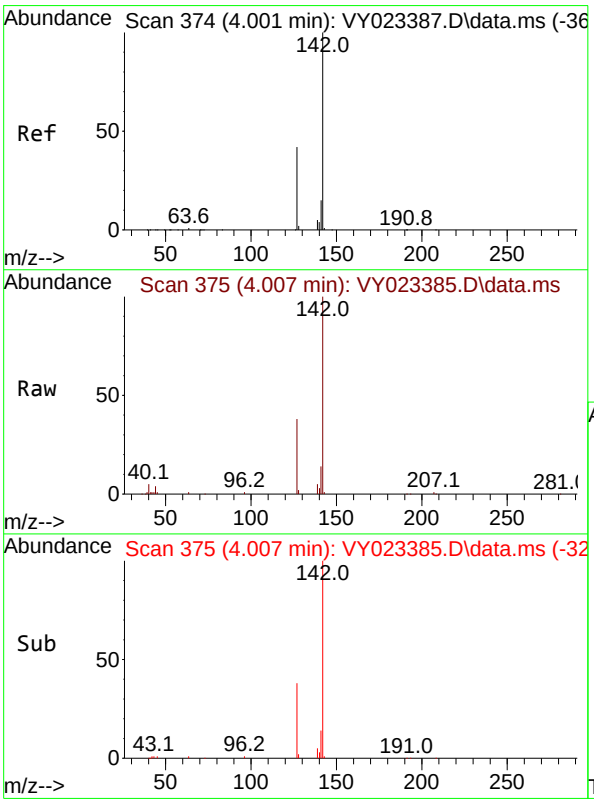
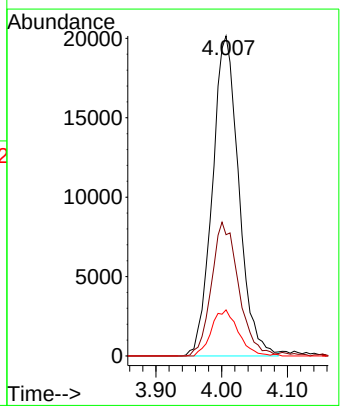


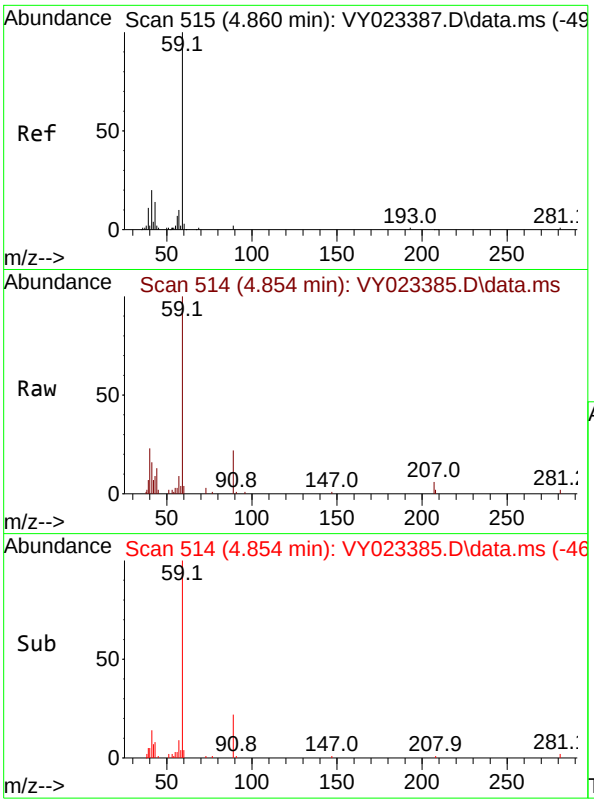


#10
Methyl Iodide
Concen: 8.967 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:142 Resp: 56313

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.8	52.2
141	14.6	11.6	17.4

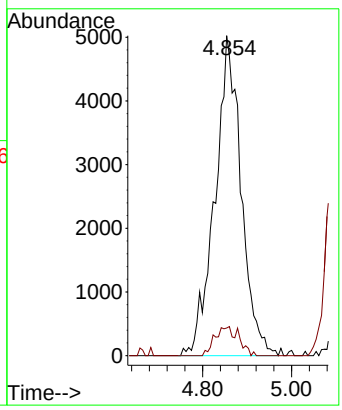




#11
Tert butyl alcohol
Concen: 71.998 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 59 Resp: 2054

Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.3	12.5



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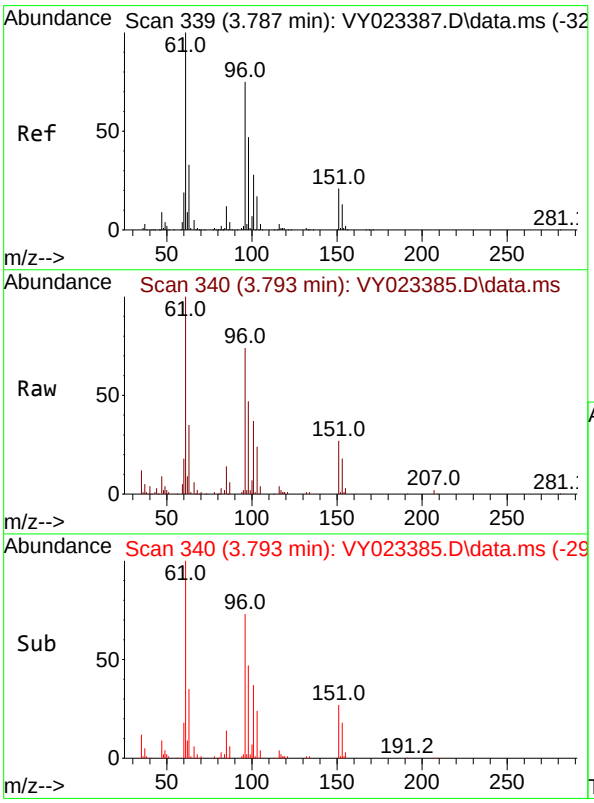
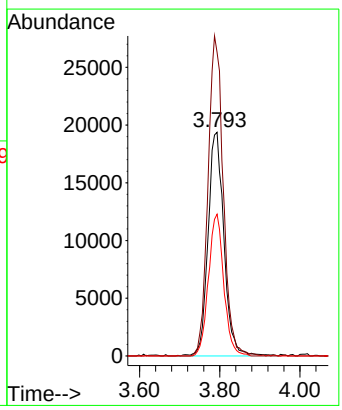
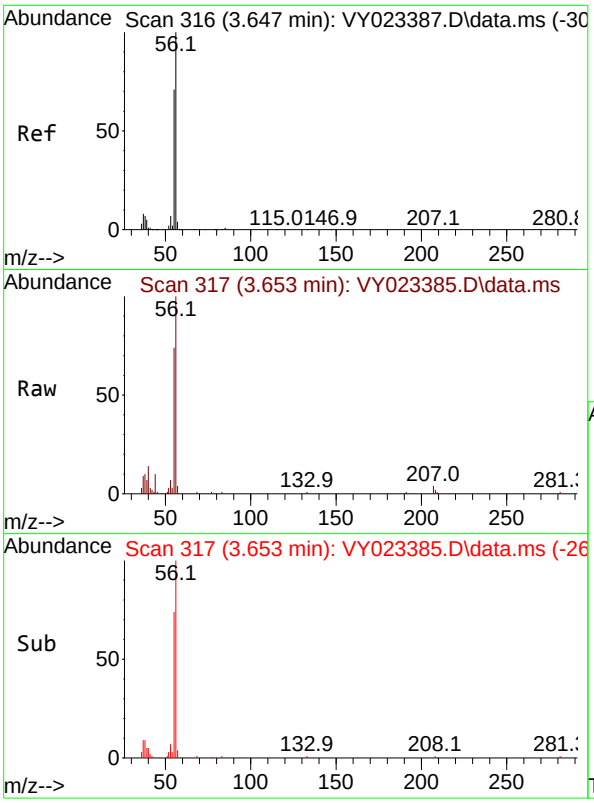


#12
1,1-Dichloroethene
Concen: 10.173 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 96 Resp: 53191

Ion	Ratio	Lower	Upper
96	100		
61	135.7	106.7	160.1
98	63.4	50.2	75.4

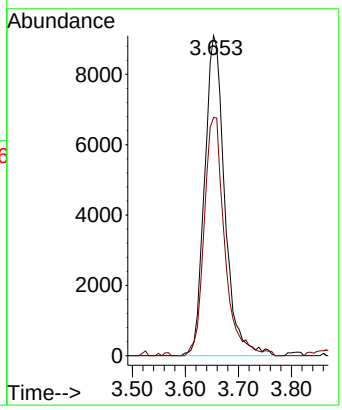




#13
Acrolein
Concen: 49.681 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 56 Resp: 2401

Ion	Ratio	Lower	Upper
56	100		
55	75.2	56.1	84.1



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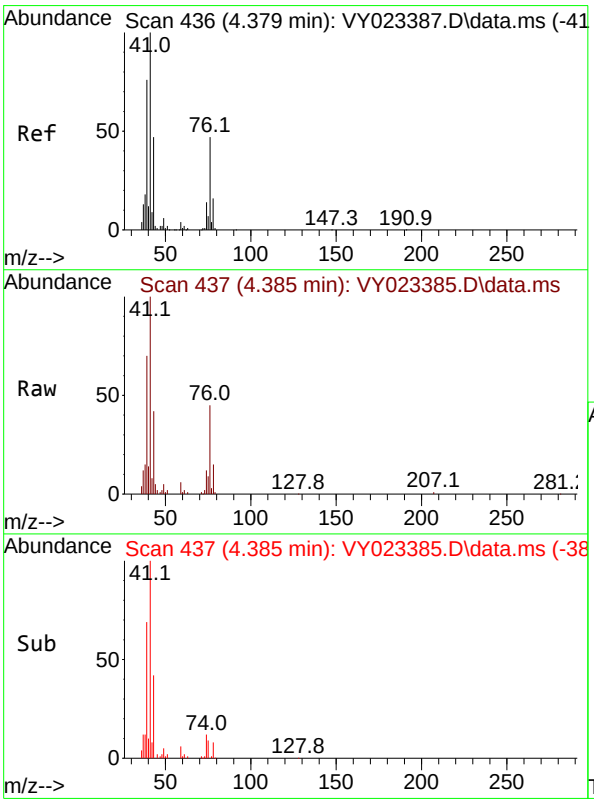
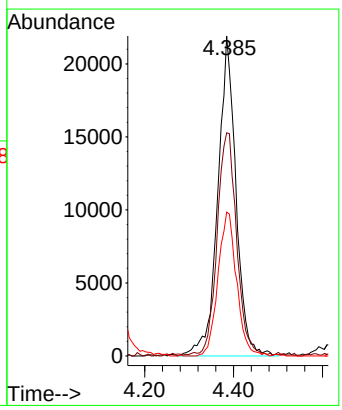
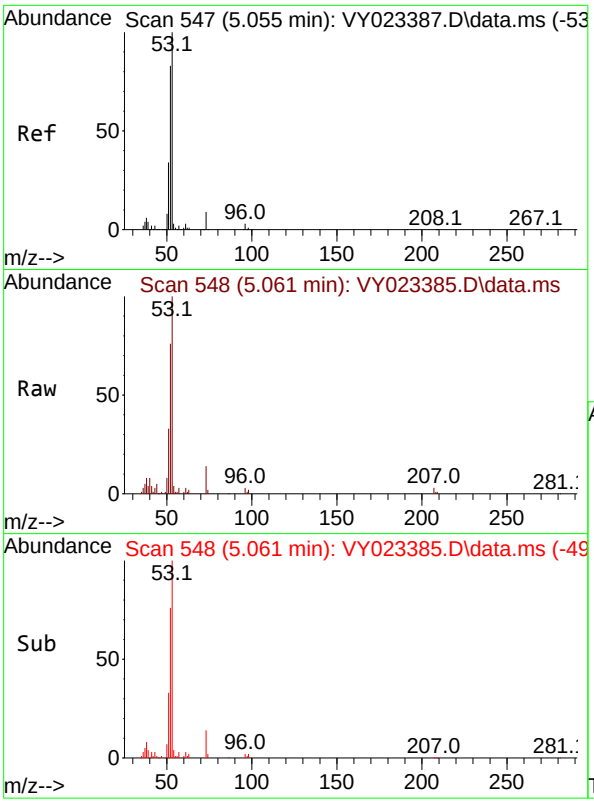


#14
Allyl chloride
Concen: 9.494 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 41 Resp: 62154

Ion	Ratio	Lower	Upper
41	100		
39	74.2	59.9	89.9
76	45.9	38.0	57.0

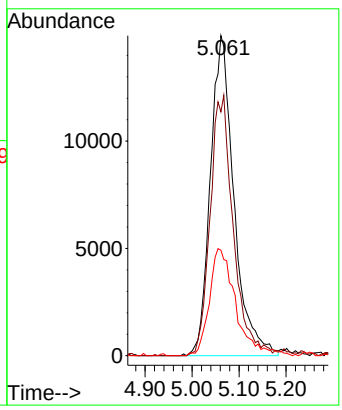




#15
Acrylonitrile
Concen: 49.854 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 53 Resp: 5193

Ion	Ratio	Lower	Upper
53	100		
52	79.5	64.6	97.0
51	37.4	29.5	44.3



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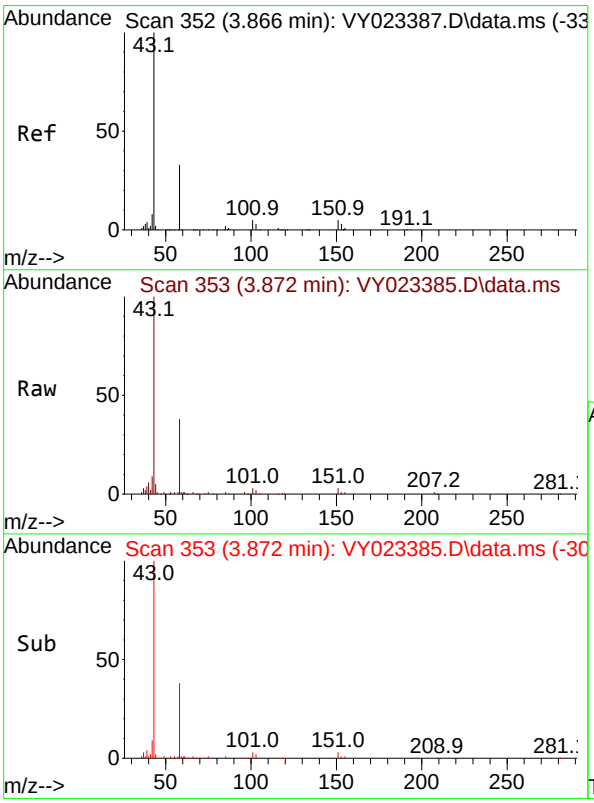
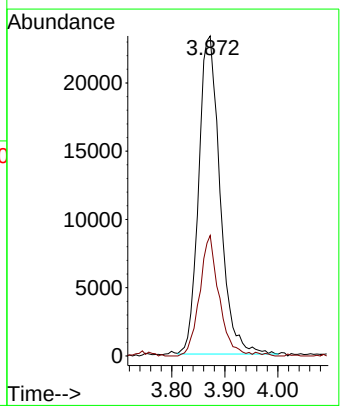
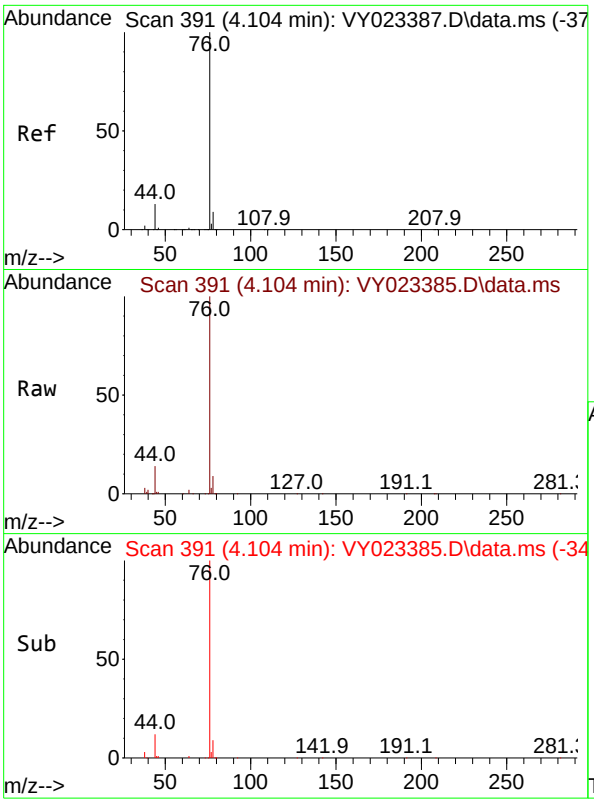


#16
Acetone
Concen: 59.997 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 65410

Ion	Ratio	Lower	Upper
43	100		
58	37.9	27.7	41.5

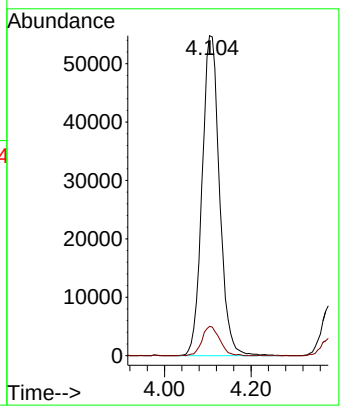




#17
Carbon Disulfide
Concen: 9.382 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 76 Resp: 15305

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



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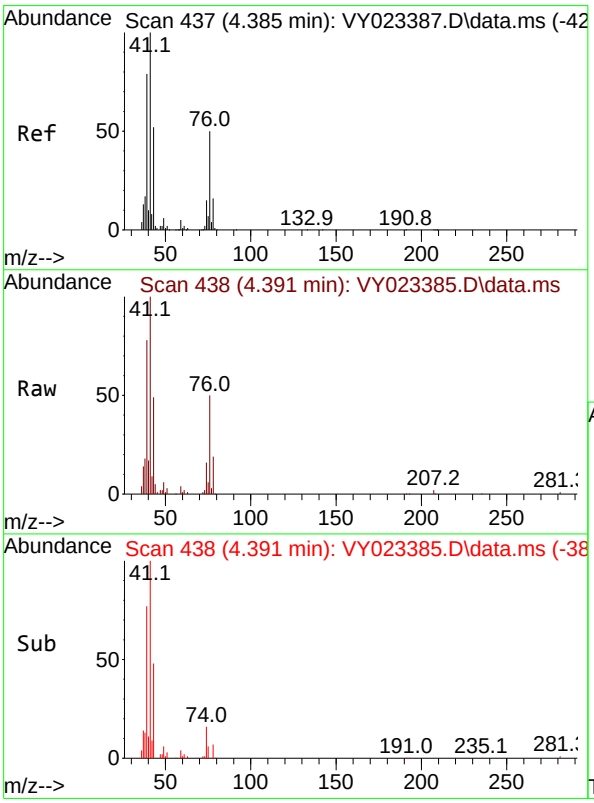
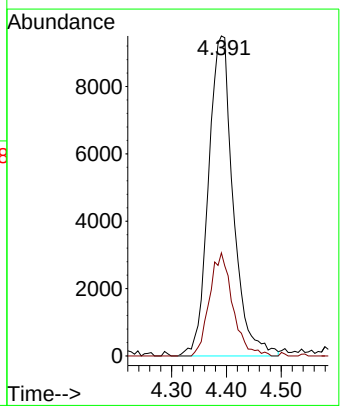
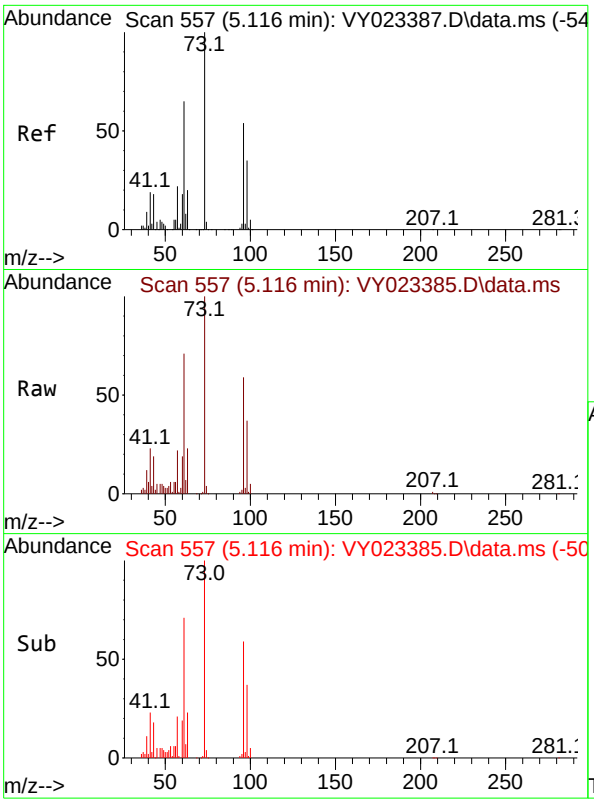


#18
Methyl Acetate
Concen: 10.728 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 29725

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4

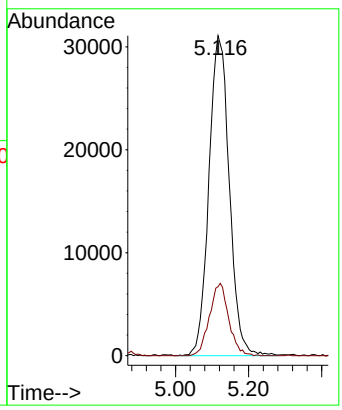




#19
Methyl tert-butyl Ether
Concen: 9.830 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 73 Resp: 12034

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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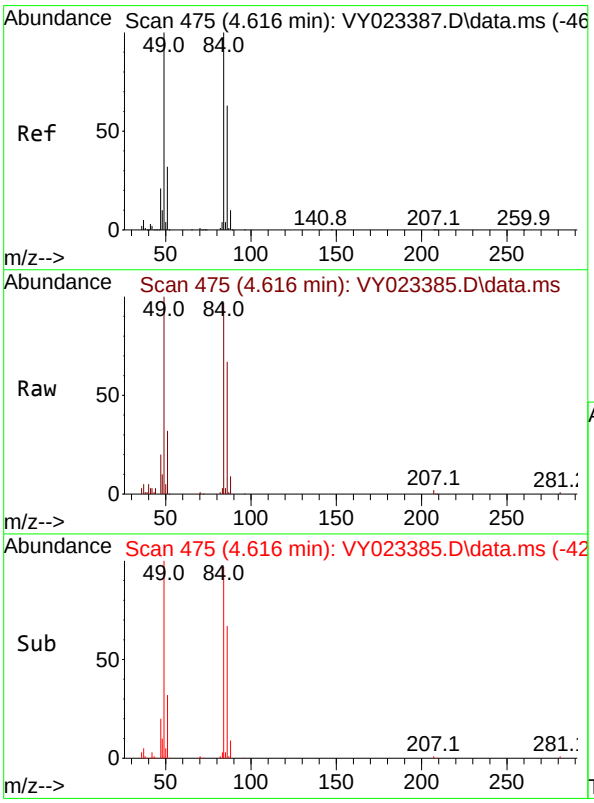
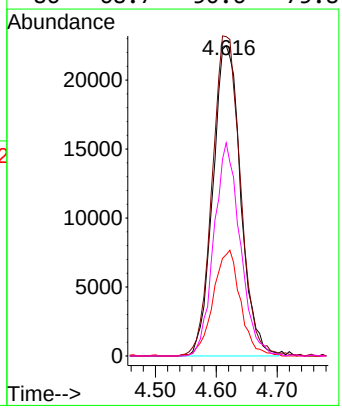
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

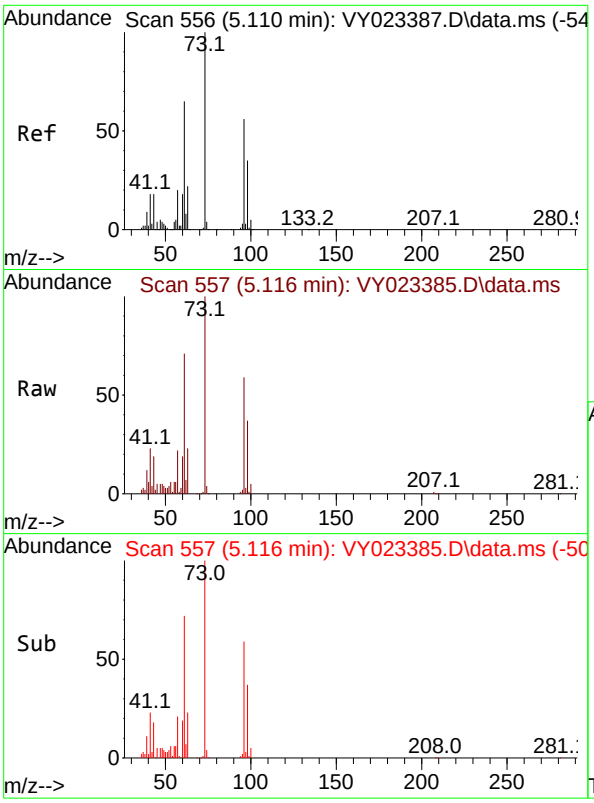


#20
Methylene Chloride
Concen: 12.016 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 84 Resp: 71034

Ion	Ratio	Lower	Upper
84	100		
49	102.9	80.2	120.4
51	32.6	25.9	38.9
86	68.7	50.6	75.8

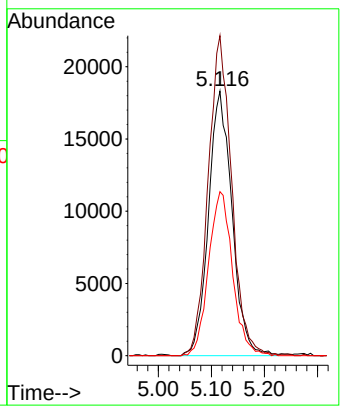




#21
trans-1,2-Dichloroethene
Concen: 9.710 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 96 Resp: 5646

Ion	Ratio	Lower	Upper
96	100		
61	121.0	92.7	139.1
98	62.0	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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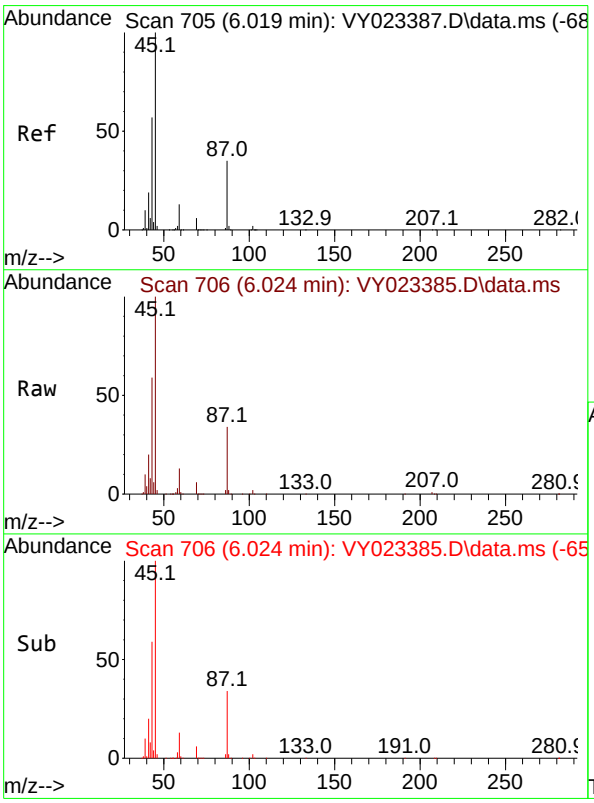
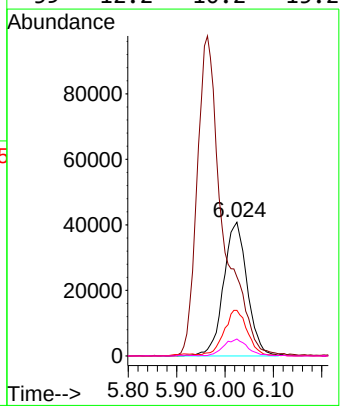
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

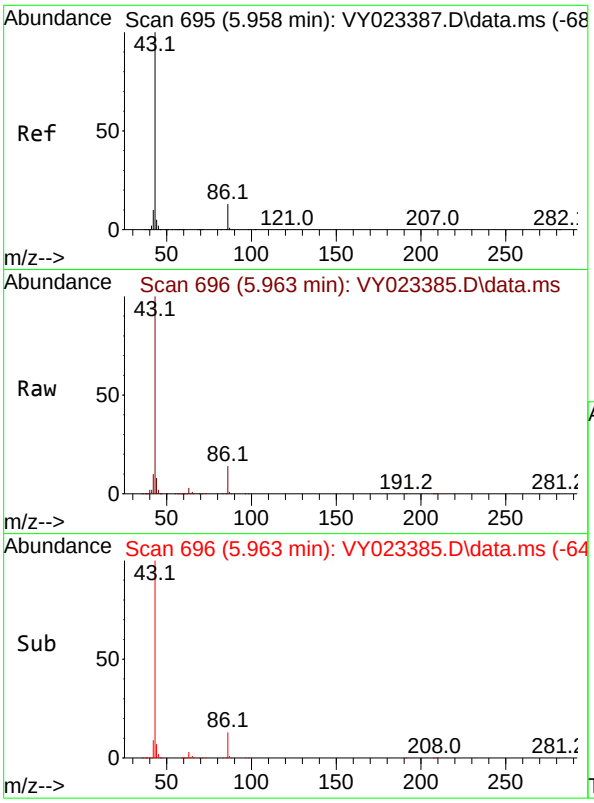


#22
Diisopropyl ether
Concen: 9.547 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 45 Resp: 138589

Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.6	68.4
87	33.7	28.1	42.1
59	12.2	10.2	15.2

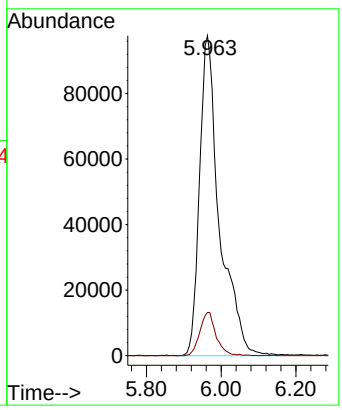




#23
Vinyl Acetate
Concen: 45.300 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 36147

Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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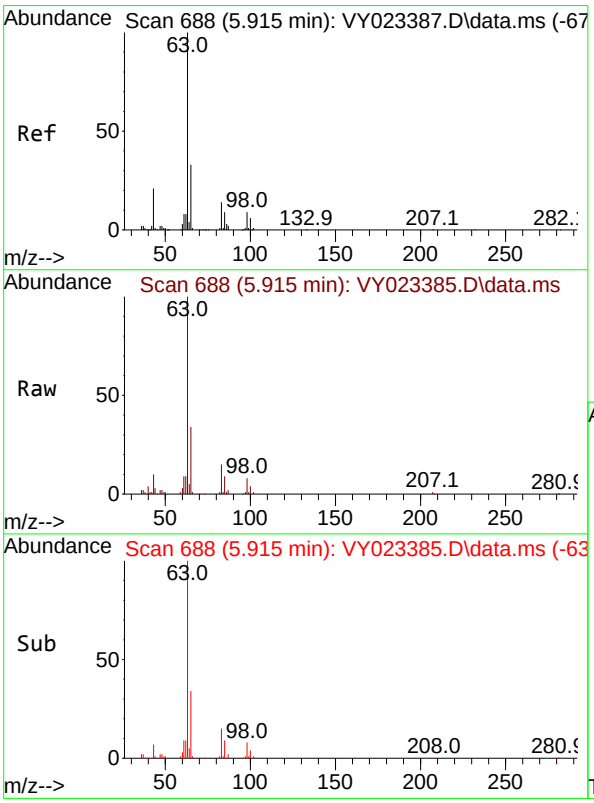
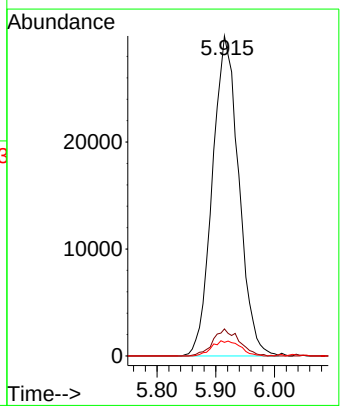
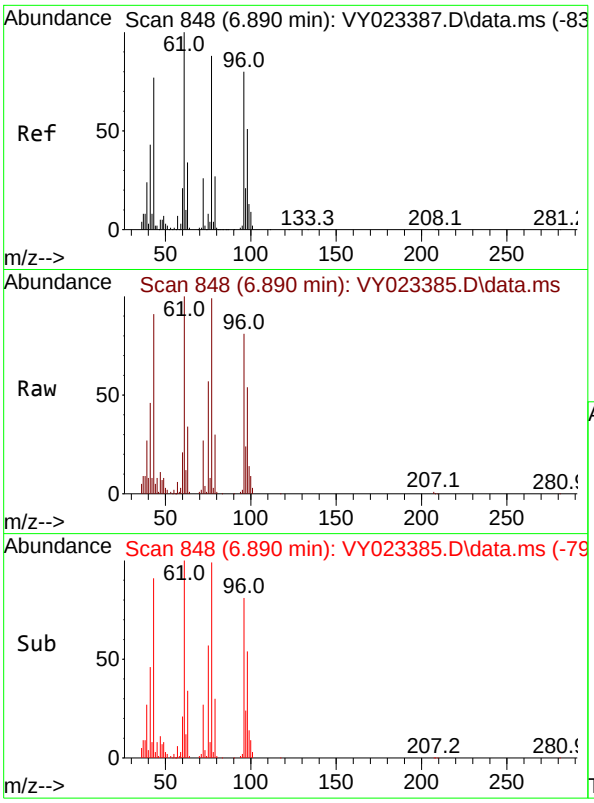


#24
1,1-Dichloroethane
Concen: 9.772 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 93512

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.3	13.1
100	4.3	2.8	8.4





#25
2-Butanone
Concen: 55.784 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 7517

Ion	Ratio	Lower	Upper
43	100		
72	29.4	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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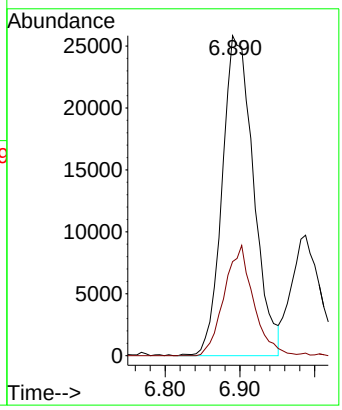
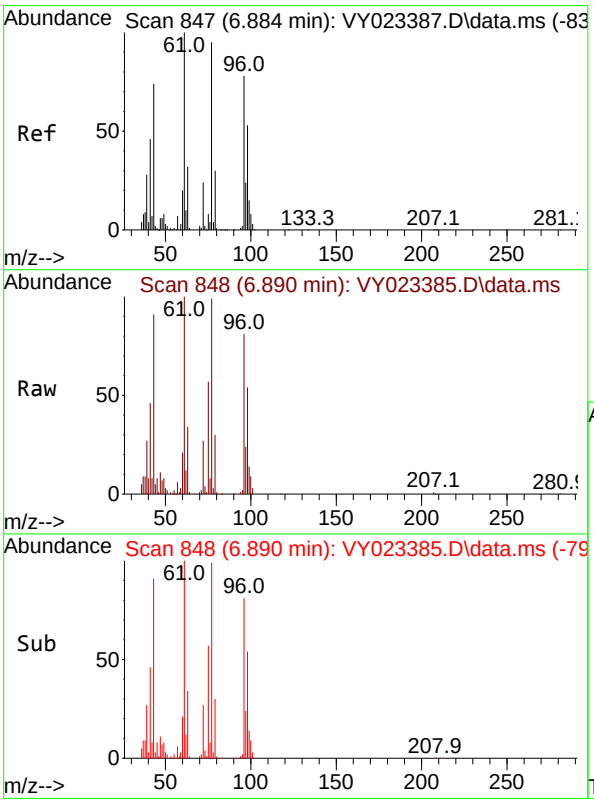
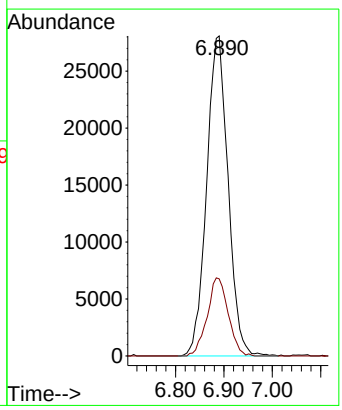


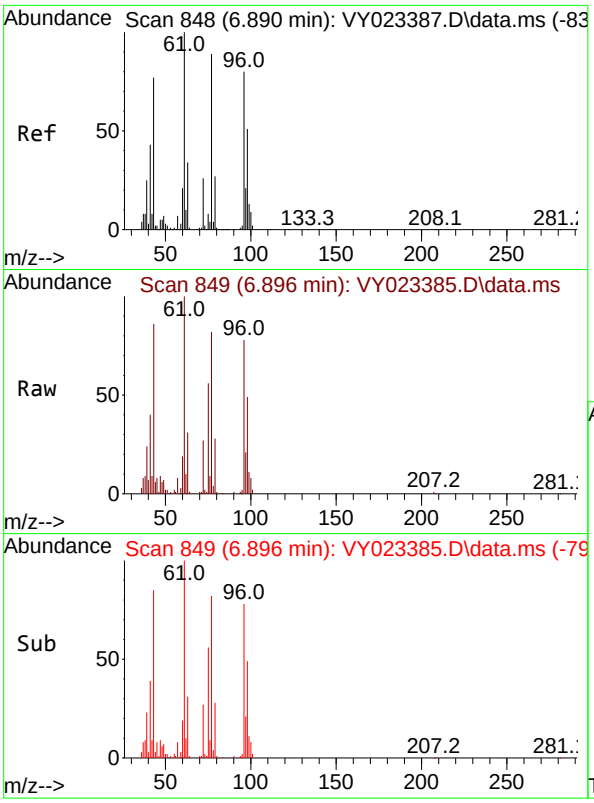


#26
2,2-Dichloropropane
Concen: 10.153 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 77 Resp: 86325

Ion	Ratio	Lower	Upper
77	100		
97	23.9	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 9.905 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 96 Resp: 6533

Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	258.2
98	64.5	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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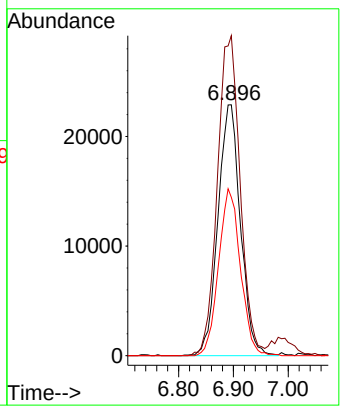
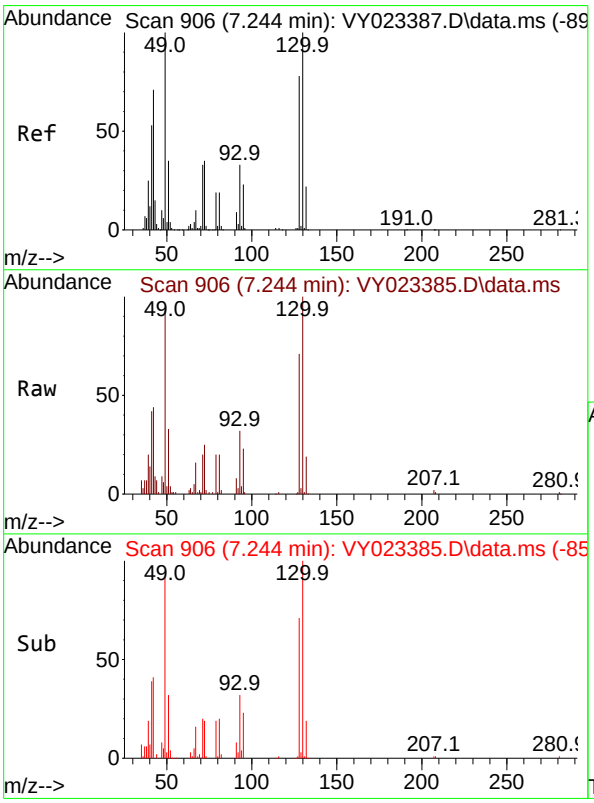
Supervised By :Mahesh Dadoda 10/10/2025

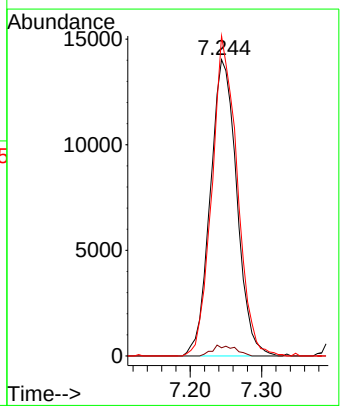


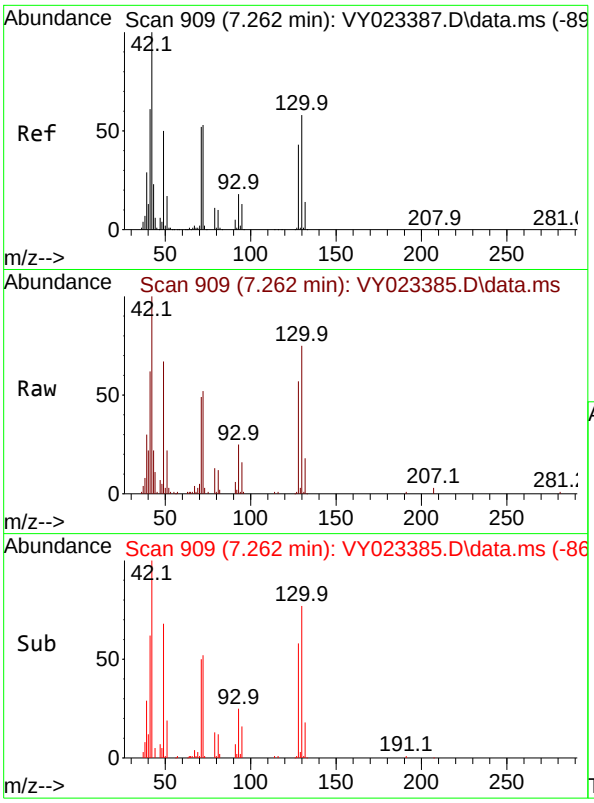


#28
Bromochloromethane
Concen: 9.733 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 49 Resp: 36132

Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	103.0	81.9	122.9

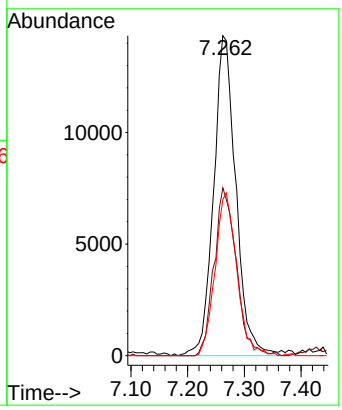




#29
Tetrahydrofuran
Concen: 48.749 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 42 Resp: 3899(

Ion	Ratio	Lower	Upper
42	100		
72	52.6	43.0	64.6
71	49.8	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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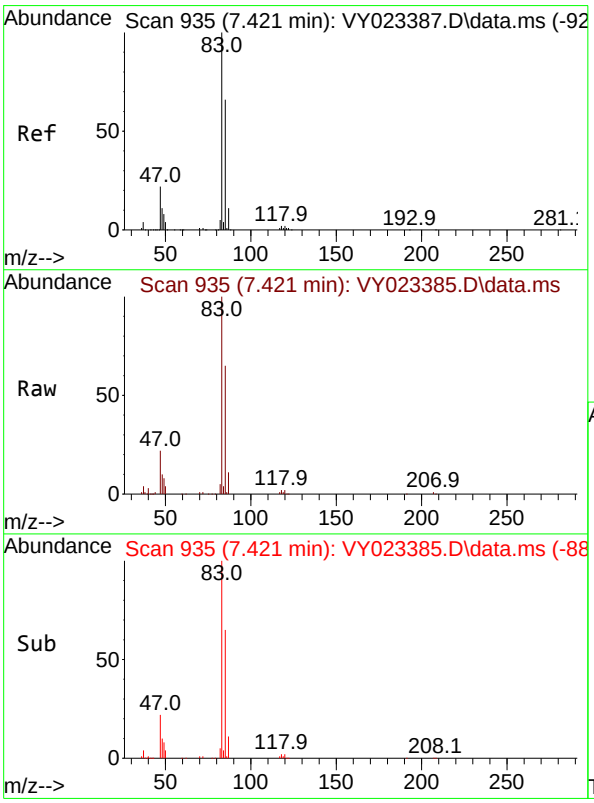
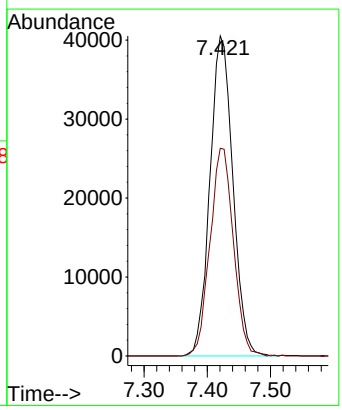
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

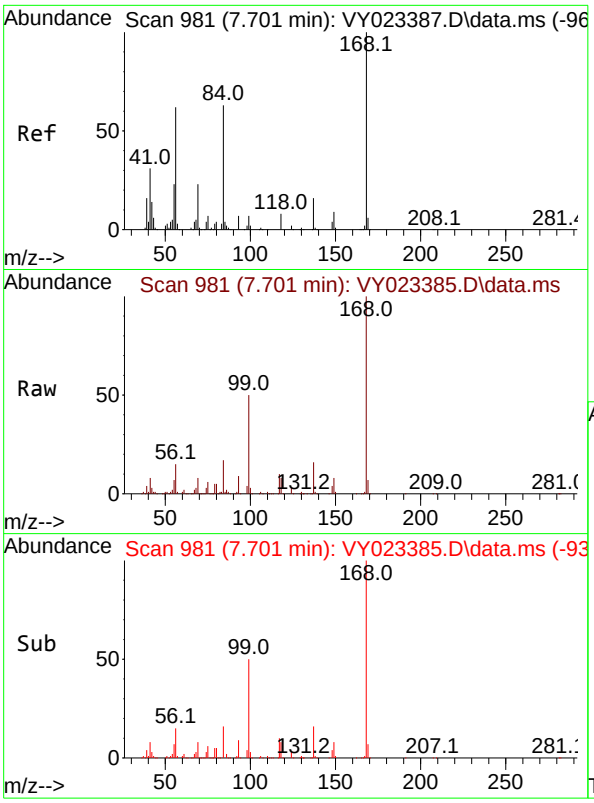


#30
Chloroform
Concen: 9.890 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 83 Resp: 102058

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.5	78.7

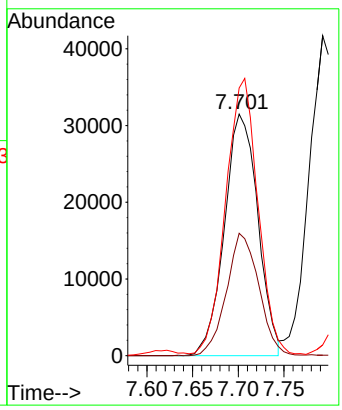




#31
Cyclohexane
Concen: 9.495 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 56 Resp: 8024

Ion	Ratio	Lower	Upper
56	100		
69	50.5	30.0	45.0
84	109.7	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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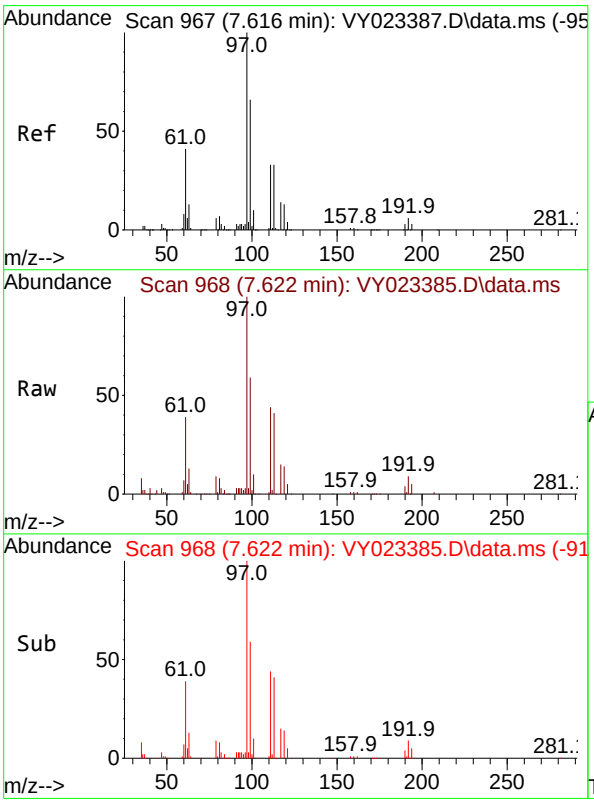
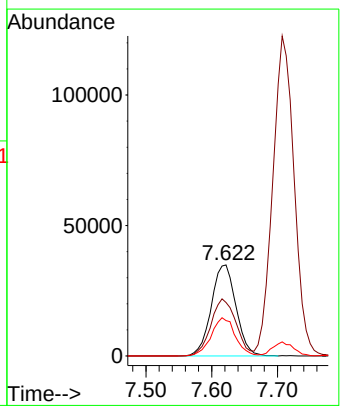
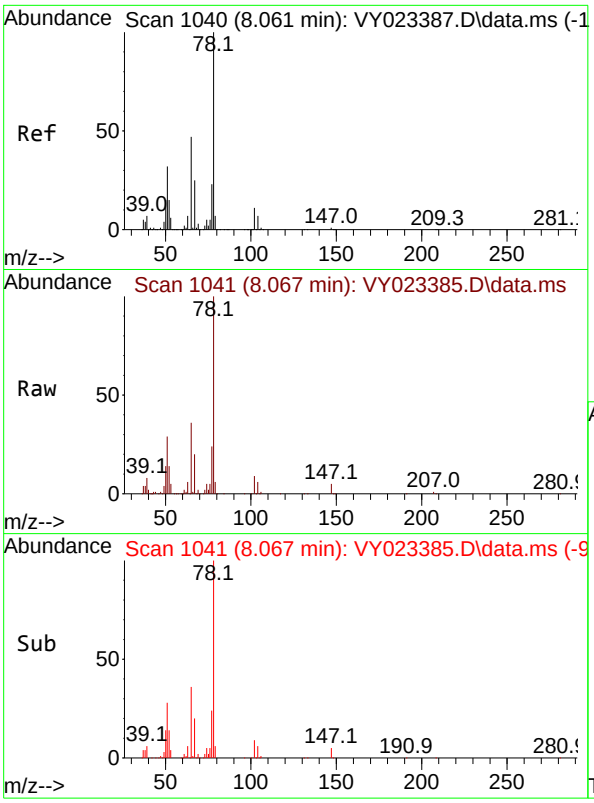


#32
1,1,1-Trichloroethane
Concen: 9.844 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 97 Resp: 91186

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	41.0	31.9	47.9

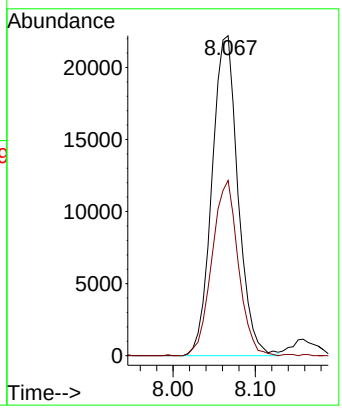




#33
1,2-Dichloroethane-d4
Concen: 10.071 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 65 Resp: 4882

Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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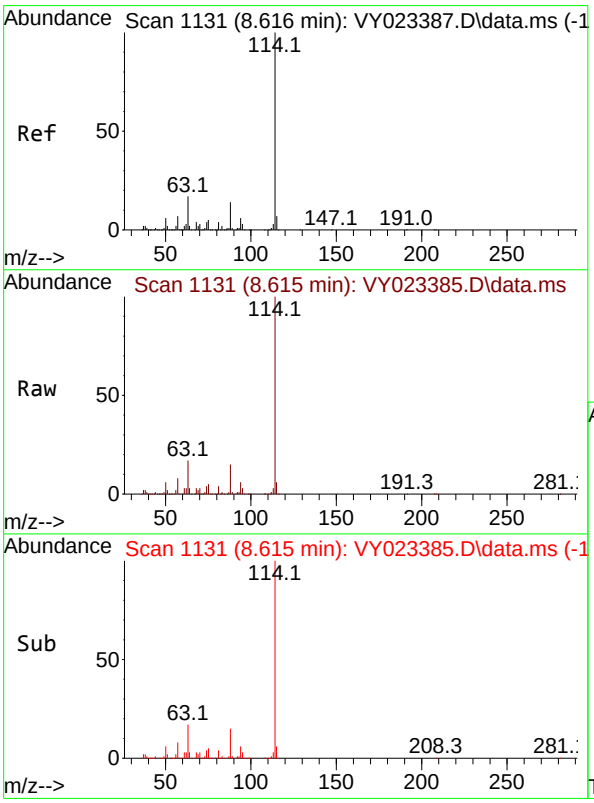
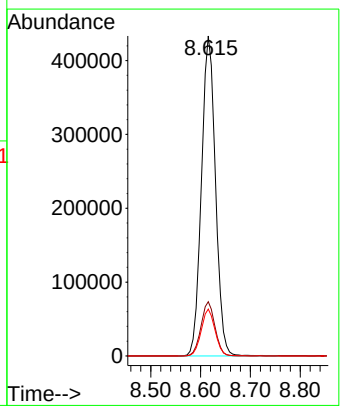
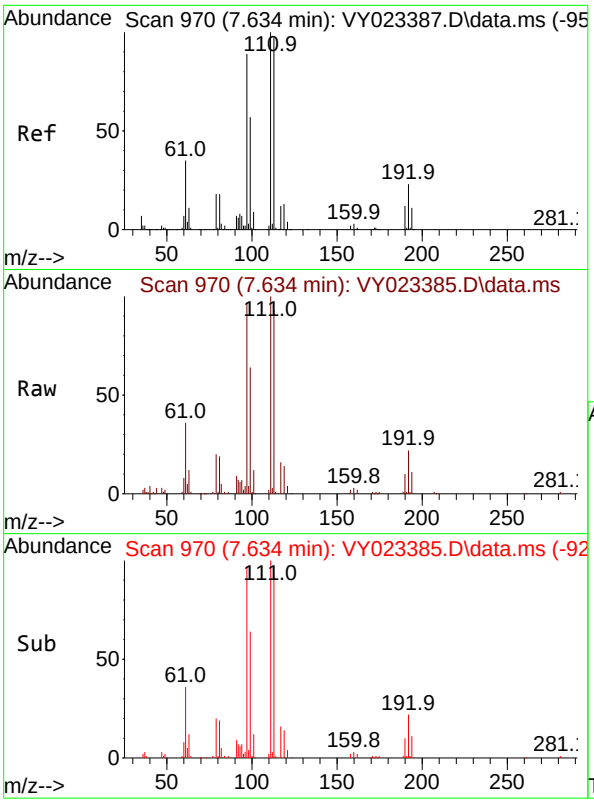


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:114 Resp: 847077

Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	34.2
88	14.7	0.0	28.4

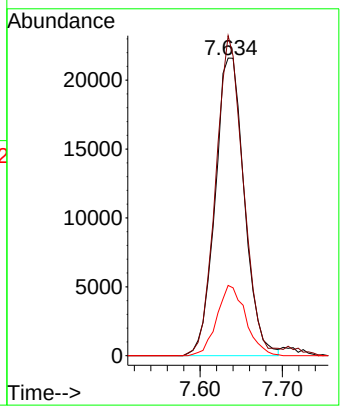




#35
Dibromofluoromethane
Concen: 10.364 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:113 Resp: 5327

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	23.3	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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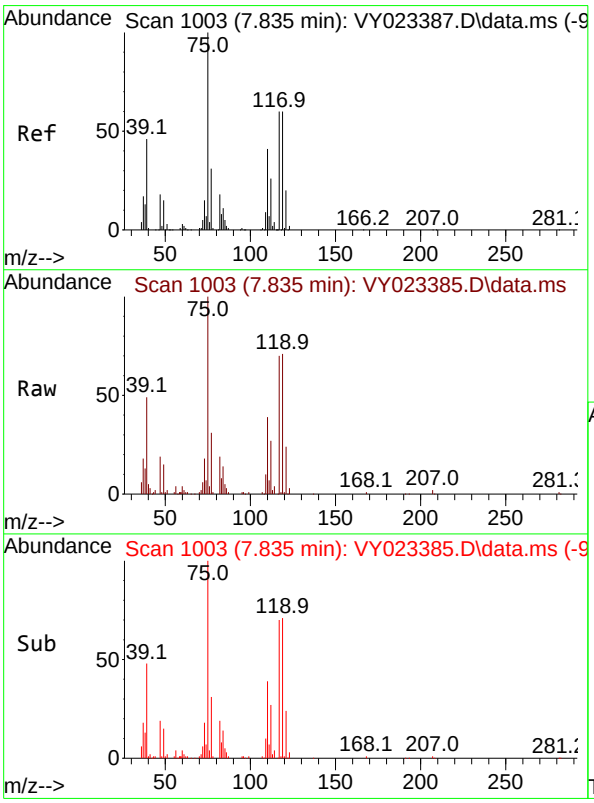
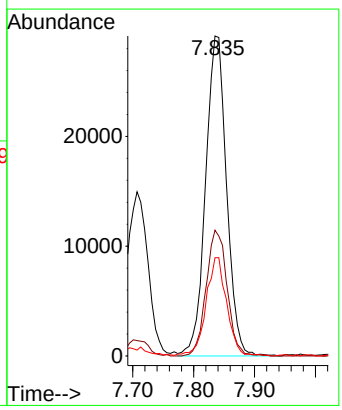
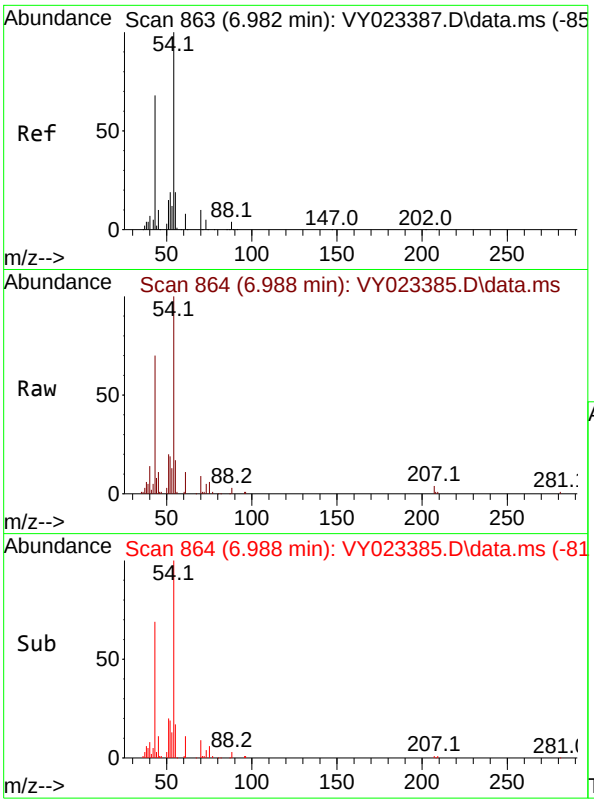


#36
1,1-Dichloropropene
Concen: 9.639 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 69913

Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.9	59.7
77	30.4	25.0	37.6





#37
Ethyl Acetate
Concen: 9.551 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 2738

Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.8	17.8
70	12.8	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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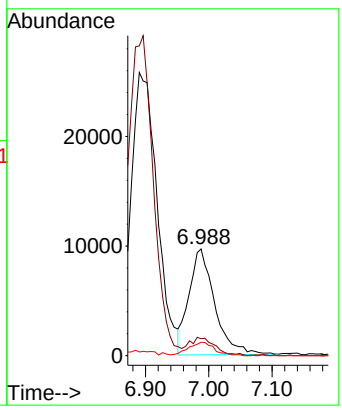
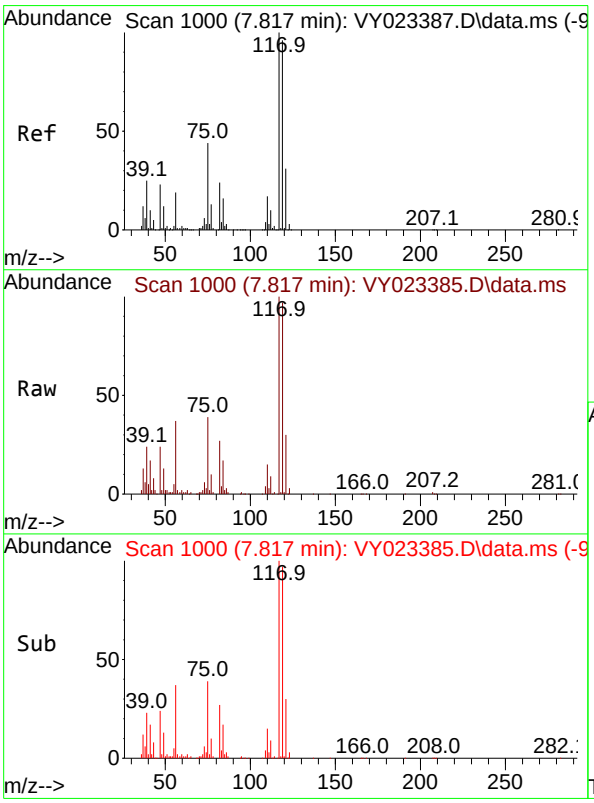
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

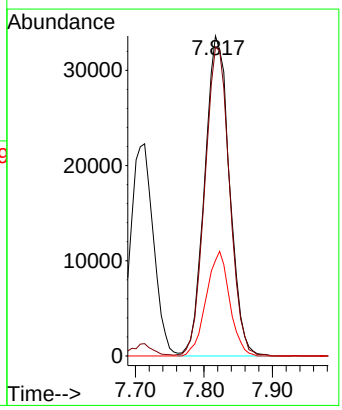


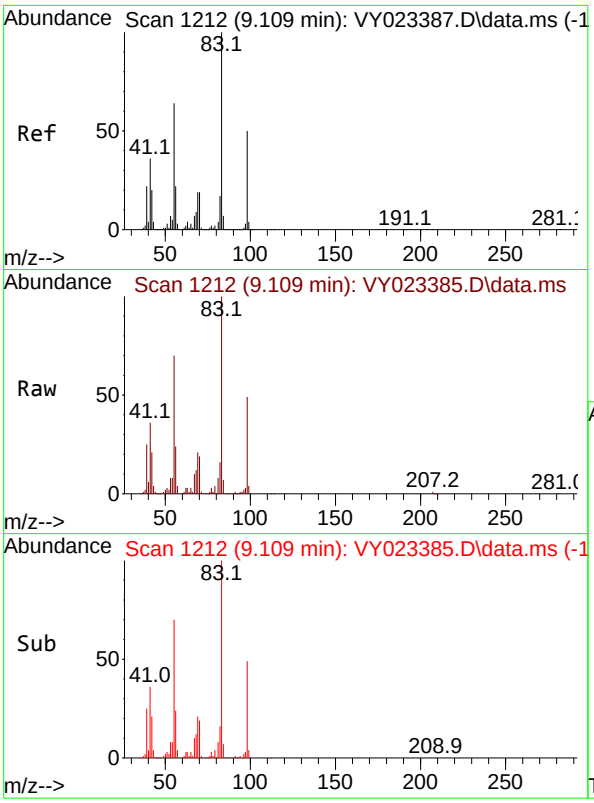


#38
Carbon Tetrachloride
Concen: 10.065 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:117 Resp: 84799

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.8	115.2
121	29.9	24.5	36.7





#39
Methylcyclohexane
Concen: 8.860 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 83 Resp: 8227

Ion	Ratio	Lower	Upper
83	100		
55	69.7	51.4	77.2
98	48.6	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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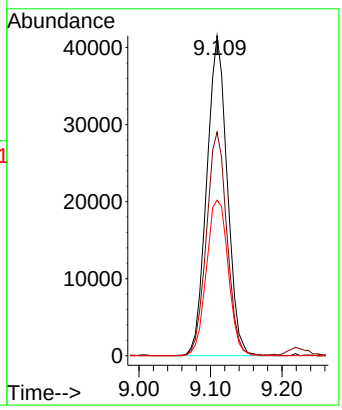
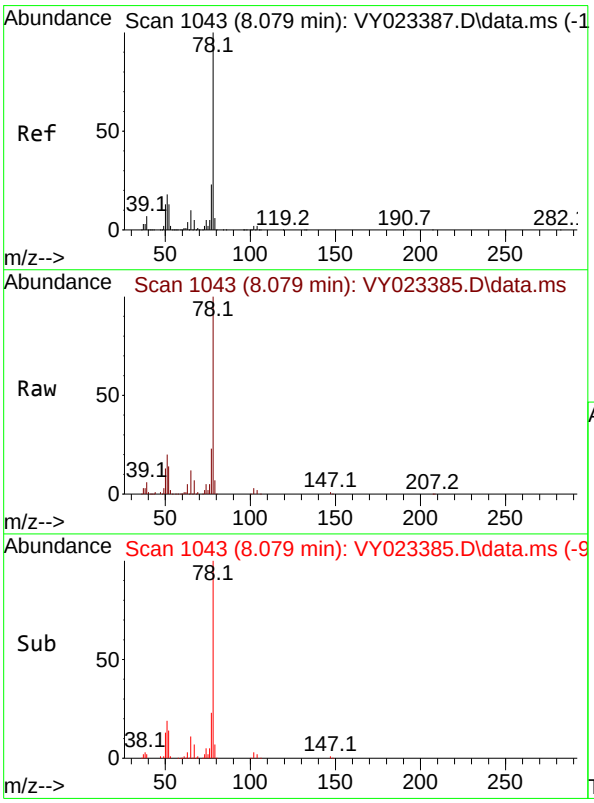
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

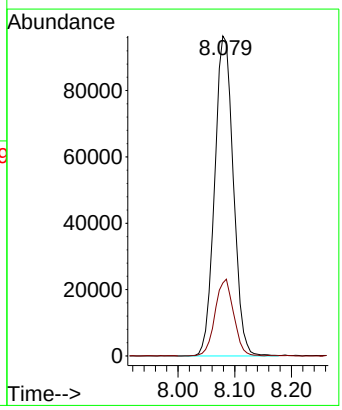


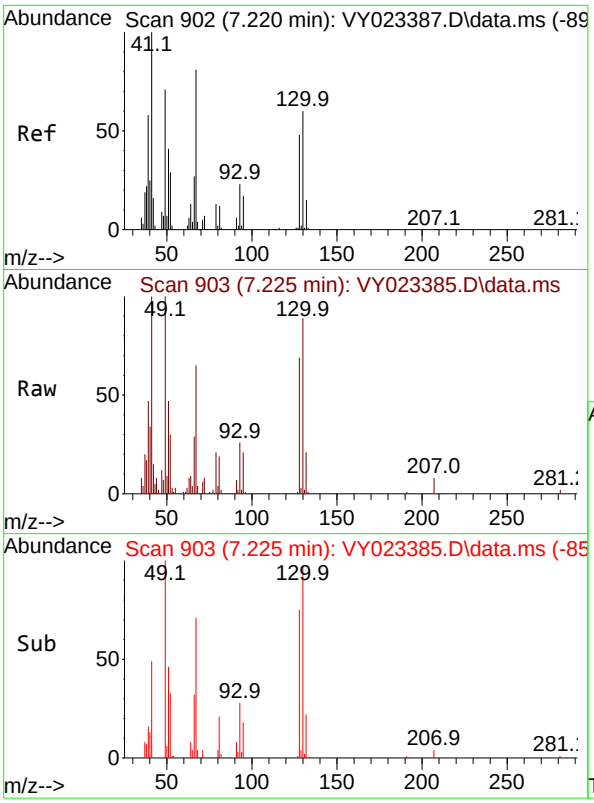


#40
Benzene
Concen: 9.758 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 78 Resp: 220629

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.3	27.5

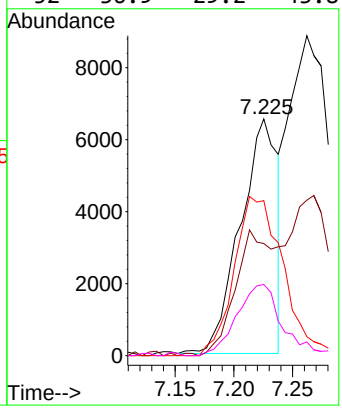




#41
Methacrylonitrile
Concen: 9.632 ug/l
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 41 Resp: 1434

Ion	Ratio	Lower	Upper
41	100		
39	49.9	52.2	78.4
67	90.2	74.9	112.3
52	36.9	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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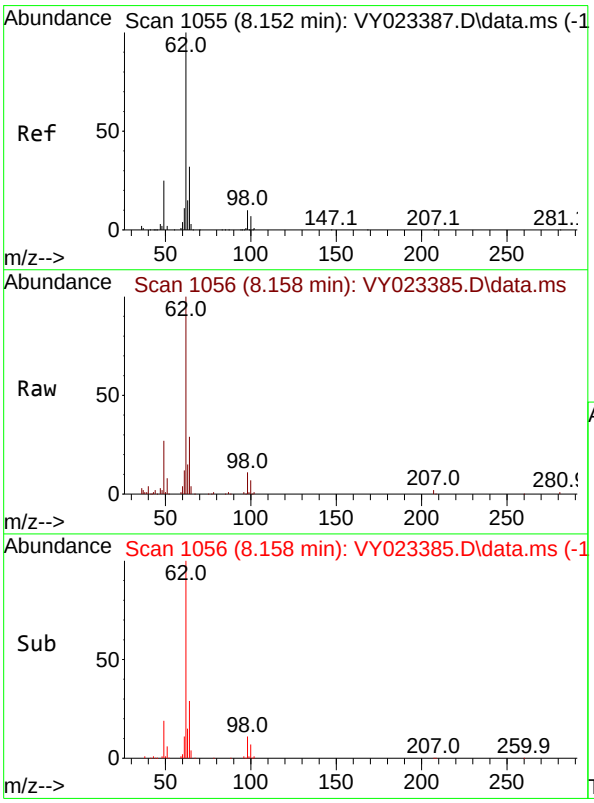
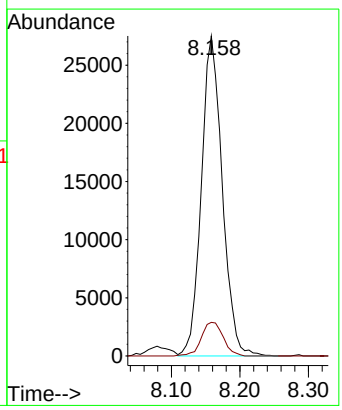
Supervised By :Mahesh Dadoda 10/10/2025

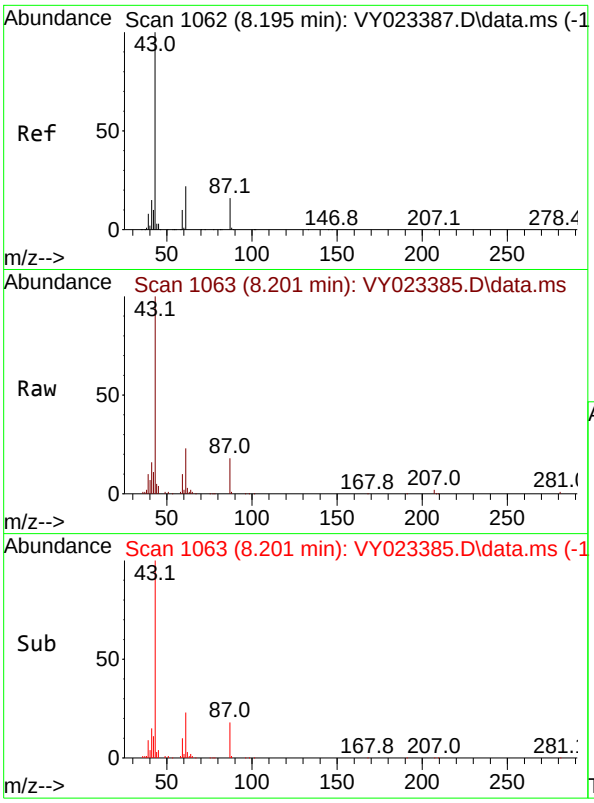


#42
1,2-Dichloroethane
Concen: 10.174 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 62 Resp: 58541

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.6

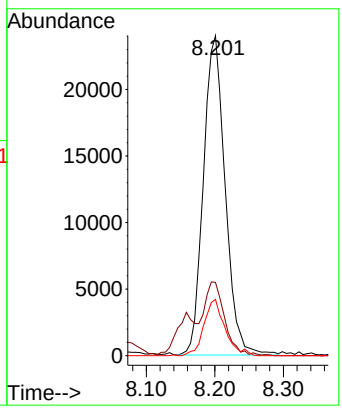




#43
Isopropyl Acetate
Concen: 9.510 ug/l
RT: 8.201 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 5304

Ion	Ratio	Lower	Upper
43	100		
61	21.4	18.1	27.1
87	17.0	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
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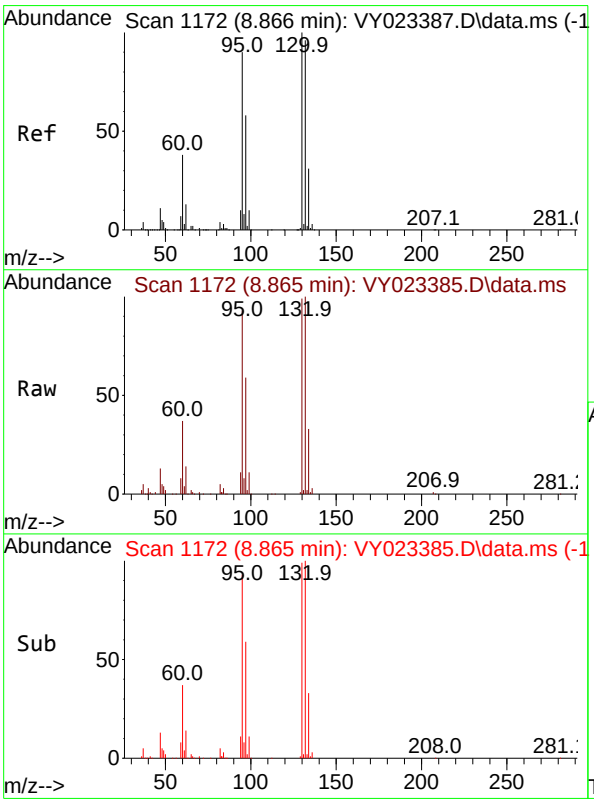
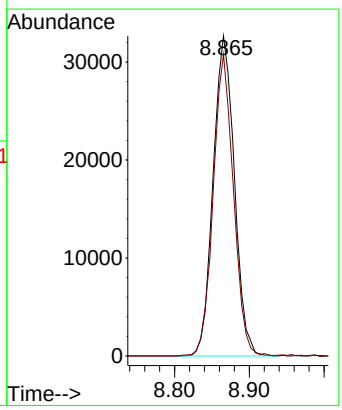
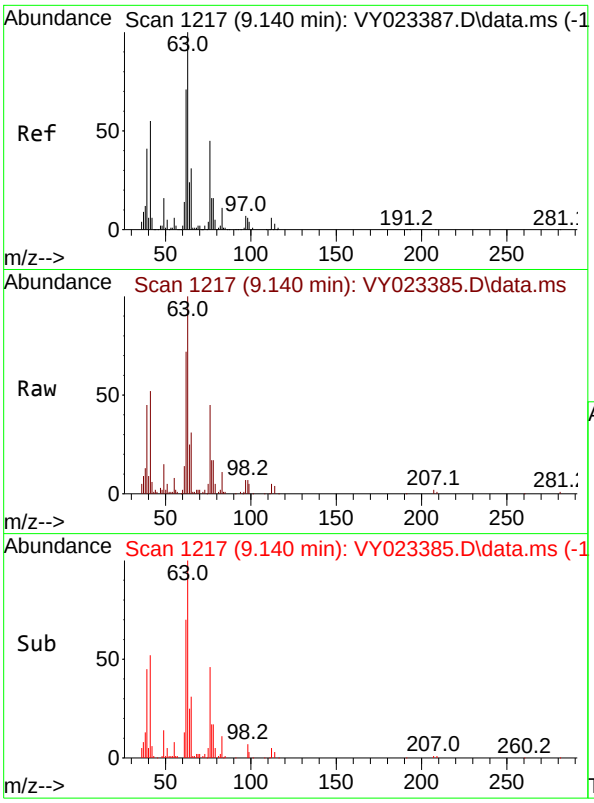


#44
Trichloroethene
Concen: 10.171 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:130 Resp: 64537

Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	180.6

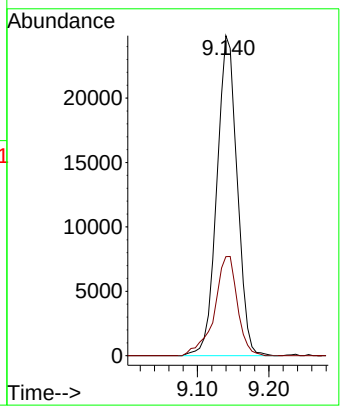




#45
1,2-Dichloropropane
Concen: 9.632 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 4900

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3



Instrument :
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ClientSampleId :
VSTDICC010

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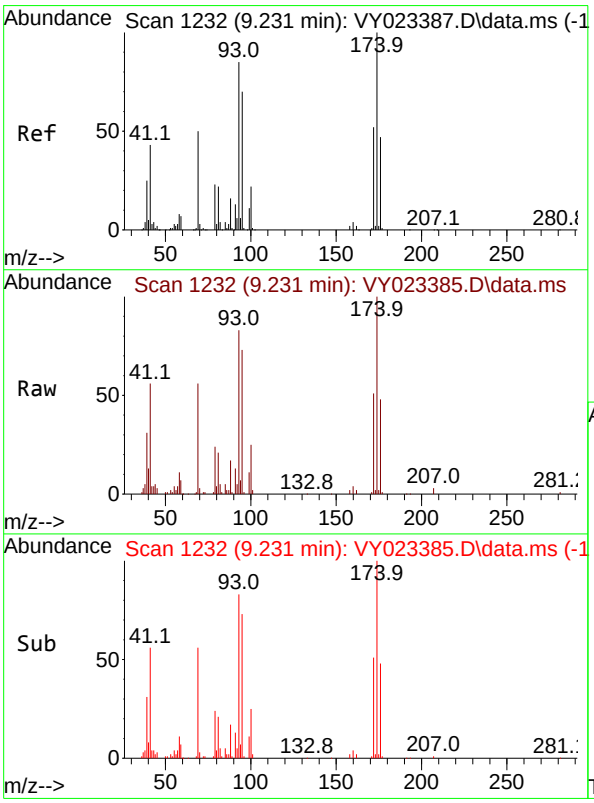
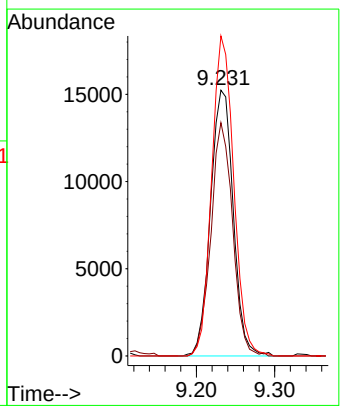
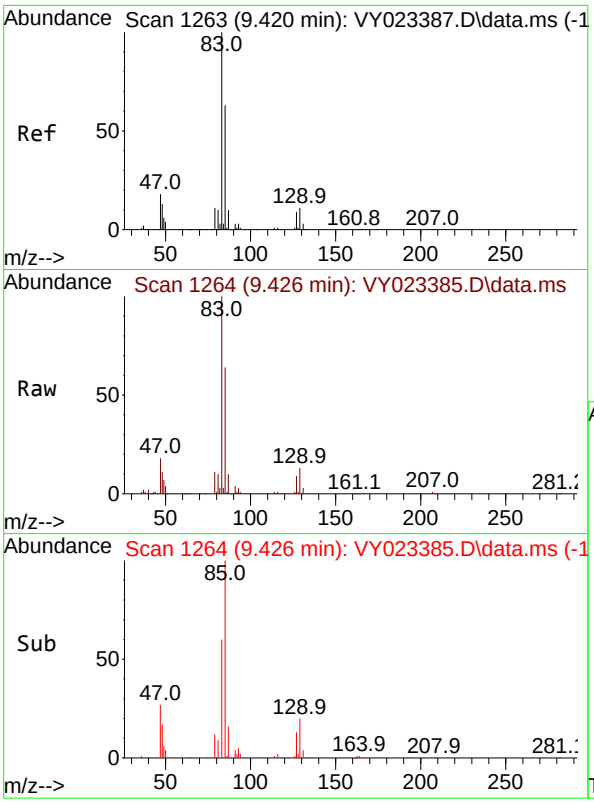


#46
Dibromomethane
Concen: 9.890 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 93 Resp: 30780

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.4	98.0
174	116.7	92.9	139.3

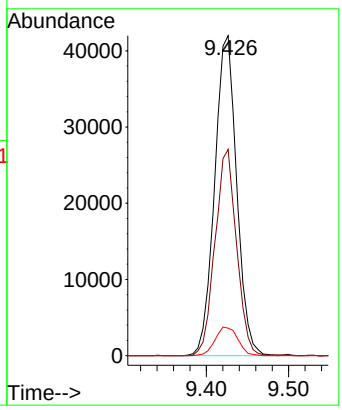




#47
Bromodichloromethane
Concen: 10.007 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 83 Resp: 7839

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.8	76.2
127	8.6	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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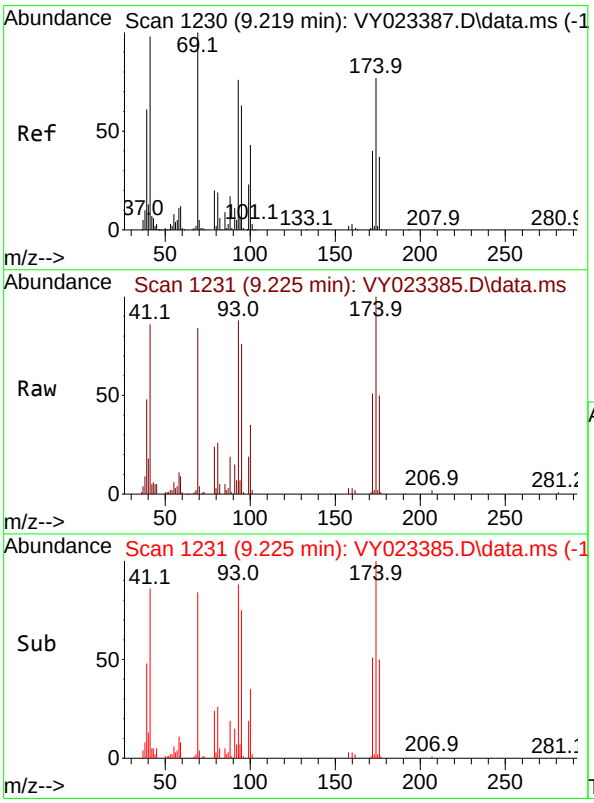
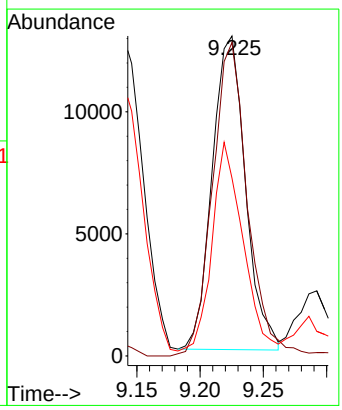
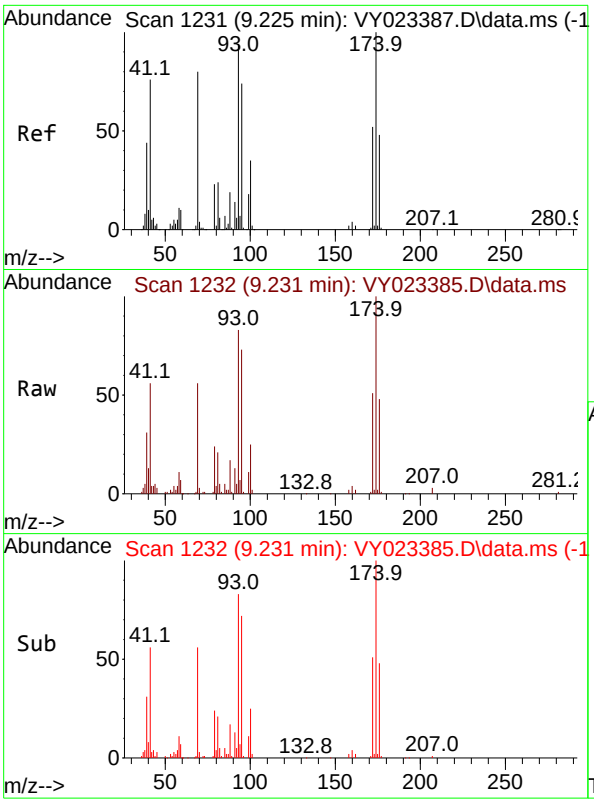


#48
Methyl methacrylate
Concen: 9.023 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 41 Resp: 23484

Ion	Ratio	Lower	Upper
41	100		
69	105.8	81.0	121.4
39	61.4	48.2	72.4





#49
1,4-Dioxane
Concen: 211.693 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 88 Resp: 682

Ion	Ratio	Lower	Upper
88	100		
43	32.1	21.8	32.8
58	62.0	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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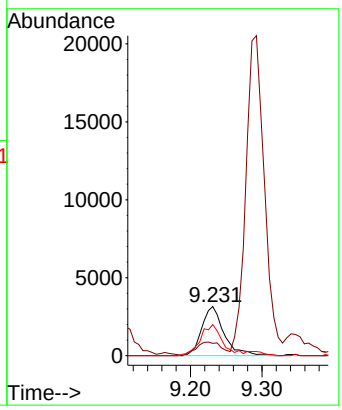
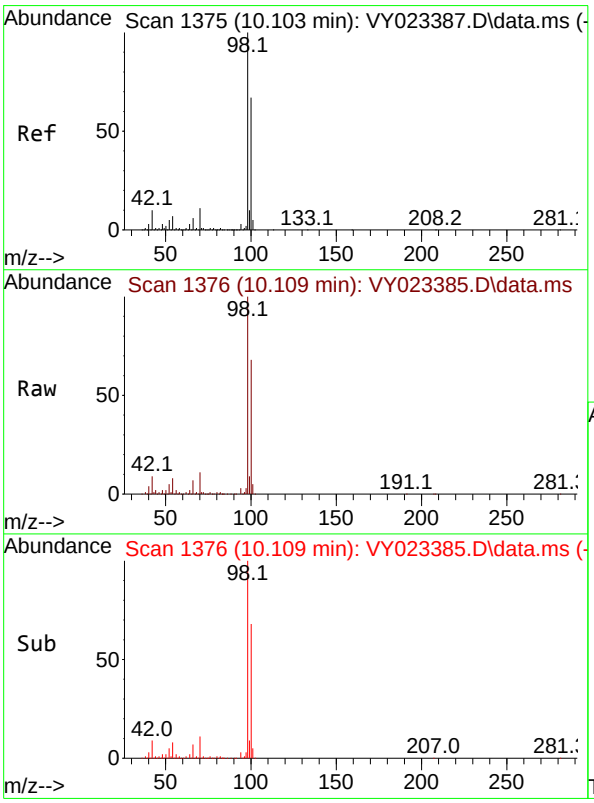
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

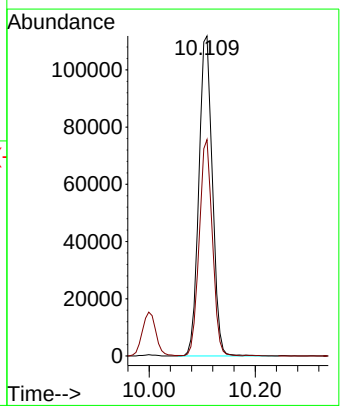


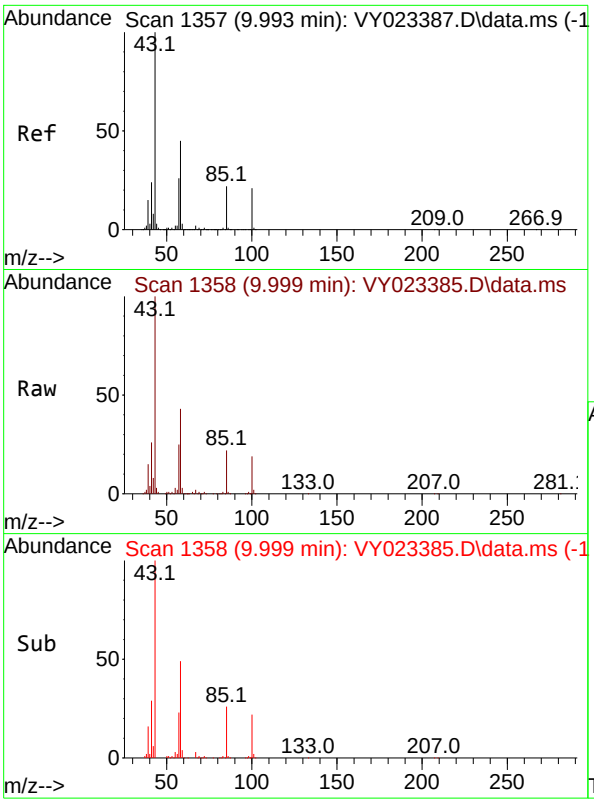


#50
Toluene-d8
Concen: 10.225 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 98 Resp: 198242

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4

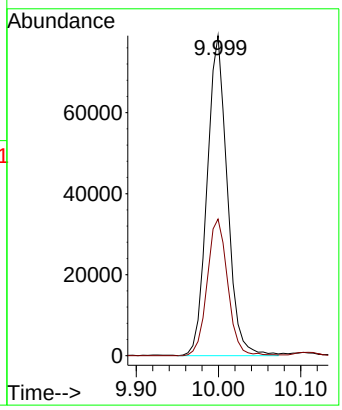




#51
4-Methyl-2-Pentanone
Concen: 47.165 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 13474

Ion	Ratio	Lower	Upper
43	100		
58	43.5	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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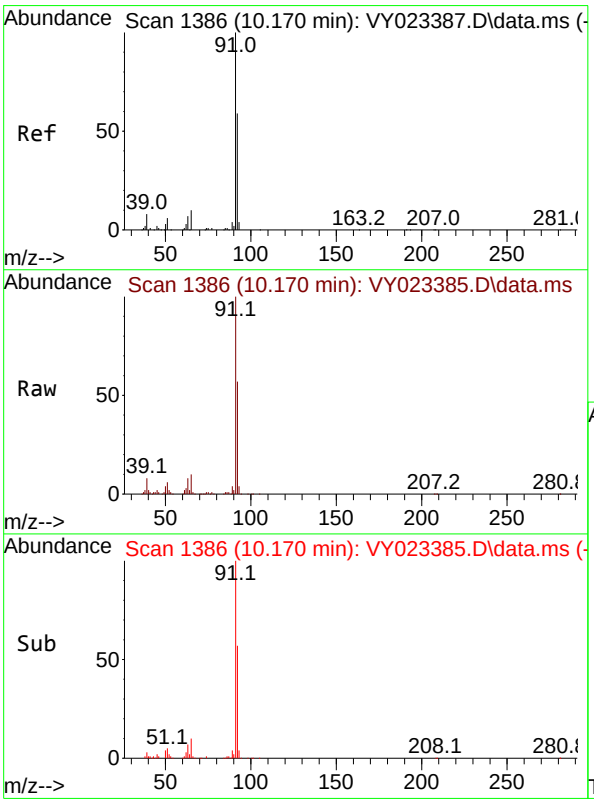
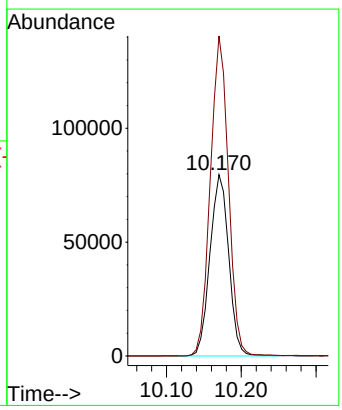
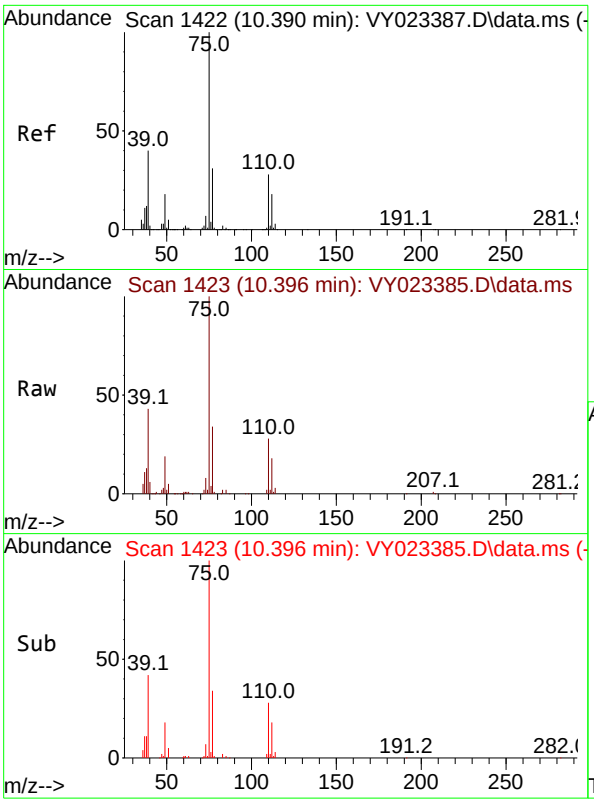


#52
Toluene
Concen: 9.661 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 92 Resp: 138662

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 9.559 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 6431

Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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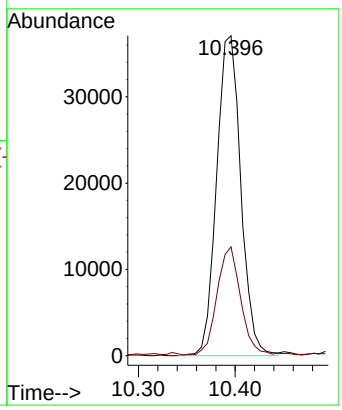
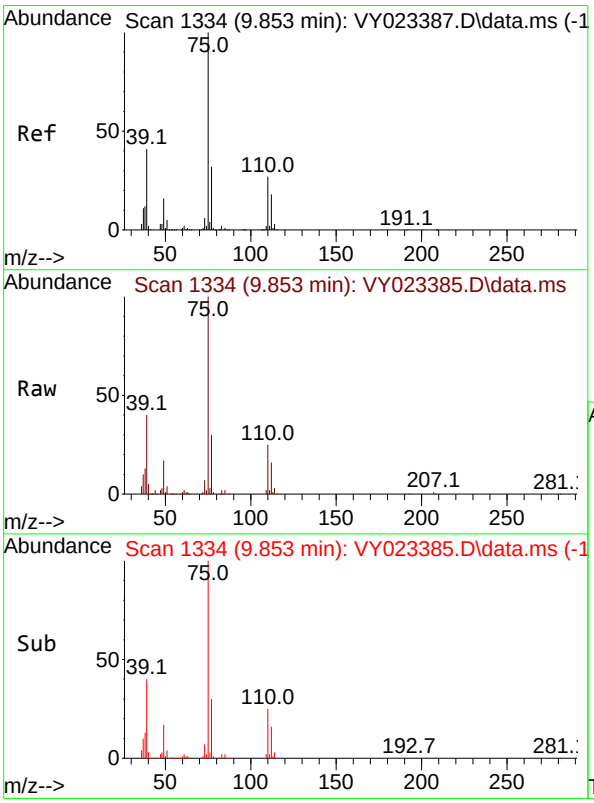
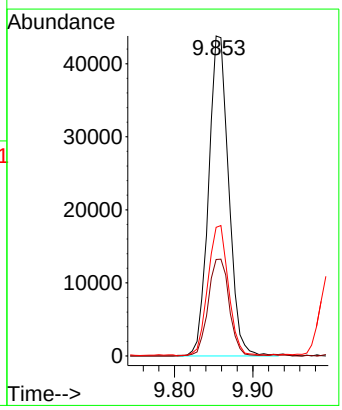


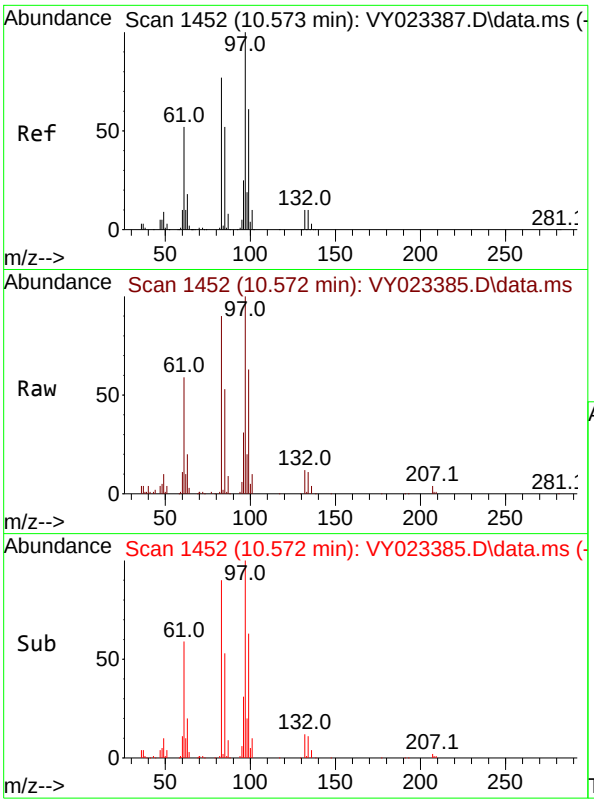


#54
cis-1,3-Dichloropropene
Concen: 9.687 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 77905

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.4	38.0
39	40.2	32.8	49.2

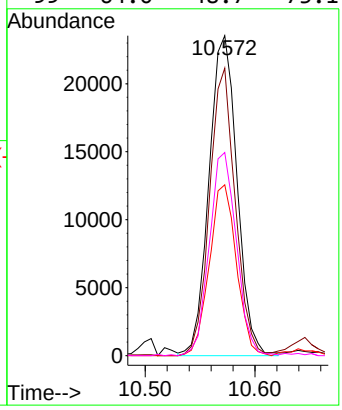




#55
1,1,2-Trichloroethane
Concen: 10.118 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 97 Resp: 4188

Ion	Ratio	Lower	Upper
97	100		
83	90.6	61.8	92.6
85	53.8	41.3	61.9
99	64.0	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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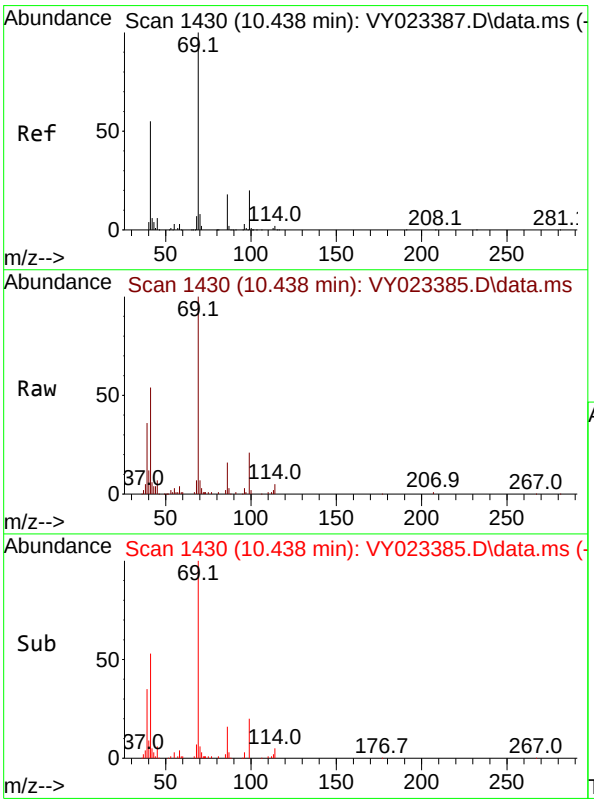
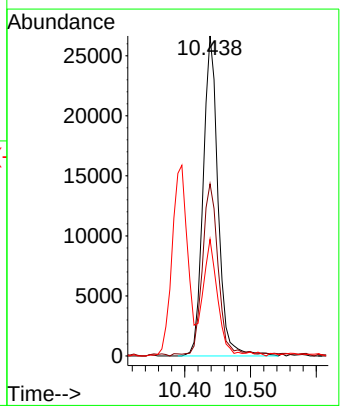
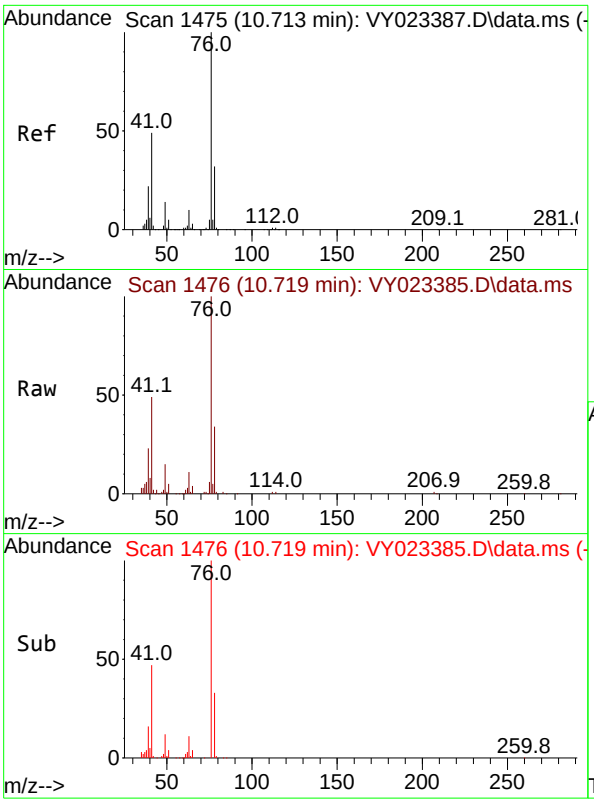


#56
Ethyl methacrylate
Concen: 8.830 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 69 Resp: 42096

Ion	Ratio	Lower	Upper
69	100		
41	58.1	44.6	67.0
39	34.5	27.0	40.4

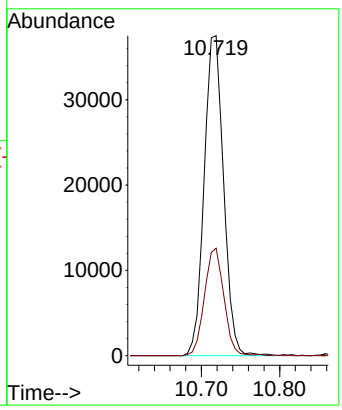




#57
1,3-Dichloropropane
Concen: 9.633 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 76 Resp: 6453

Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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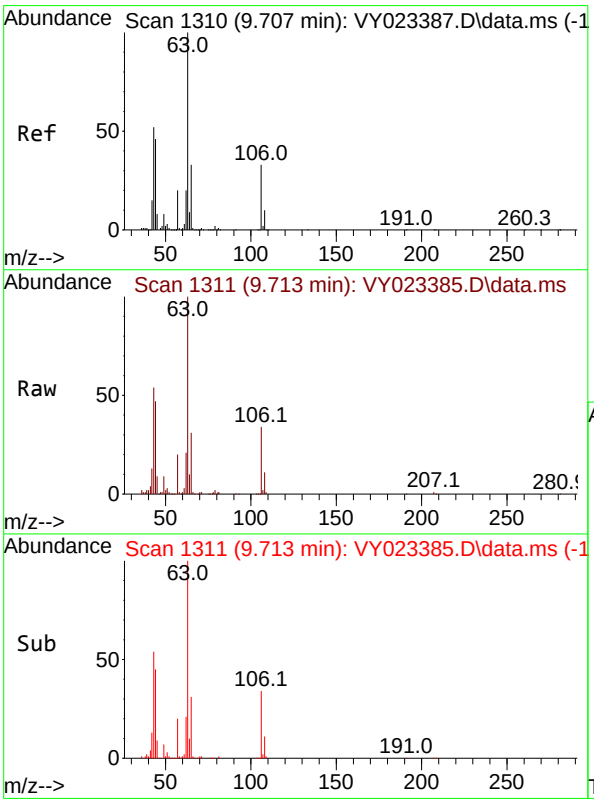
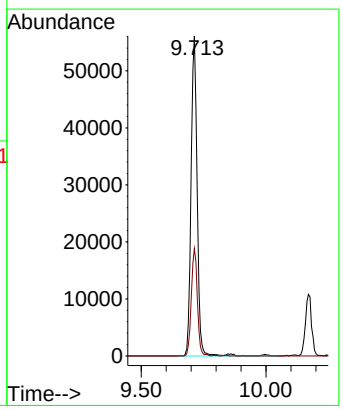
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

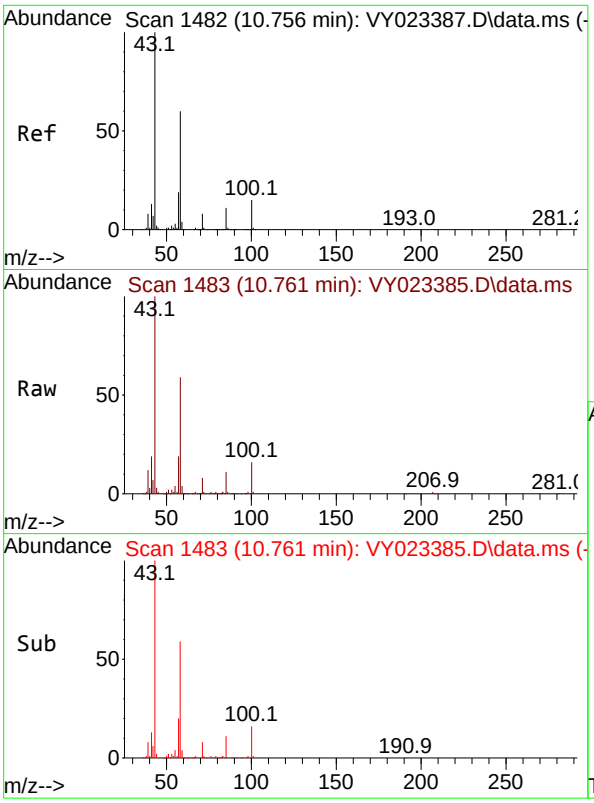


#58
2-Chloroethyl Vinyl ether
Concen: 45.535 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 94970

Ion	Ratio	Lower	Upper
63	100		
106	33.4	26.6	39.8

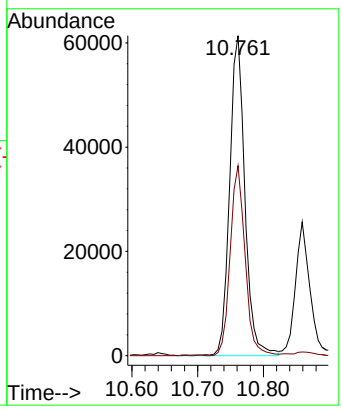




#59
2-Hexanone
Concen: 50.138 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 9917

Ion	Ratio	Lower	Upper
43	100		
58	58.0	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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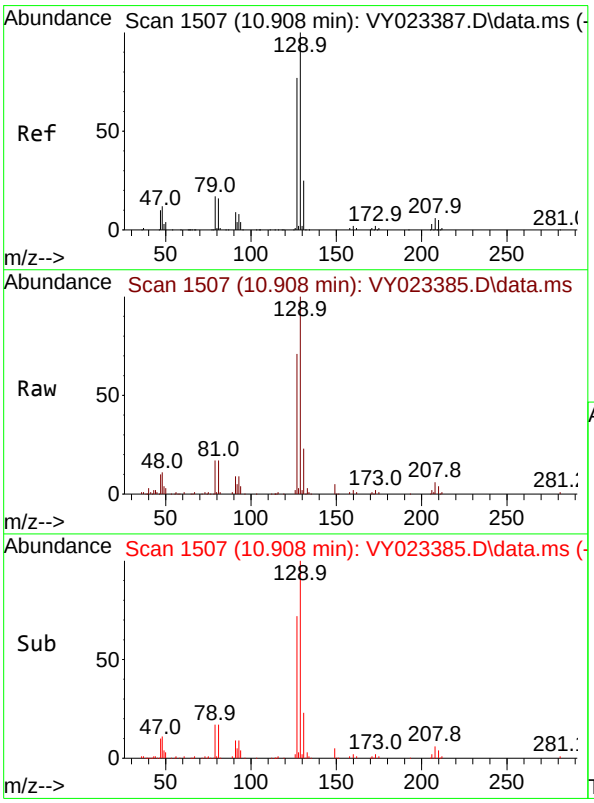
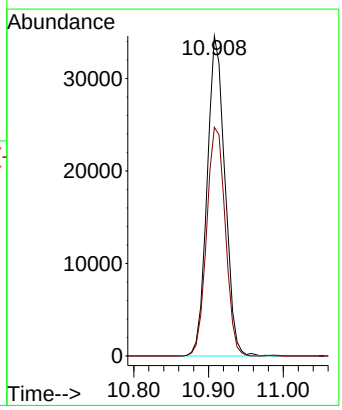
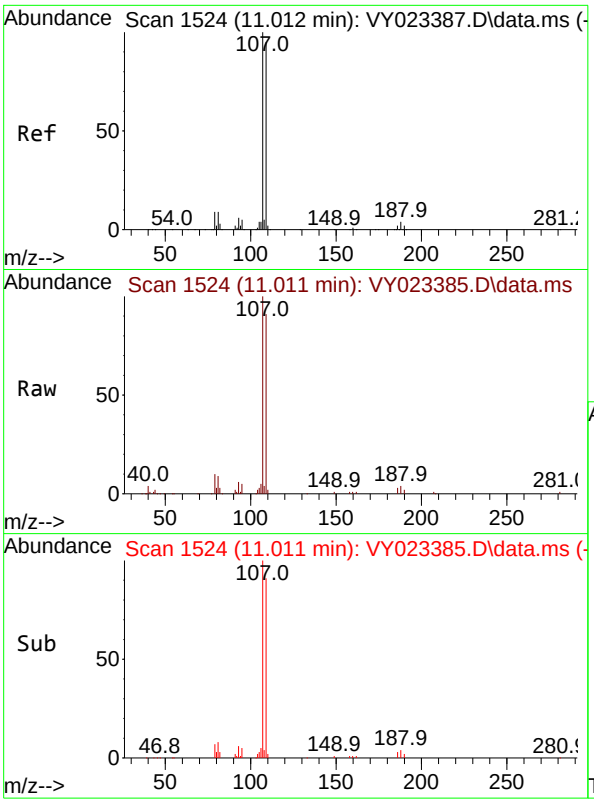


#60
Dibromochloromethane
Concen: 10.123 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:129 Resp: 57151

Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.6	115.7





#61
1,2-Dibromoethane
Concen: 9.979 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:107 Resp: 3886

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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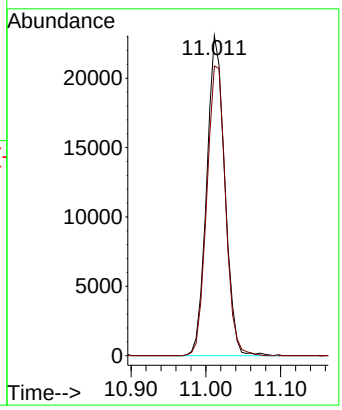
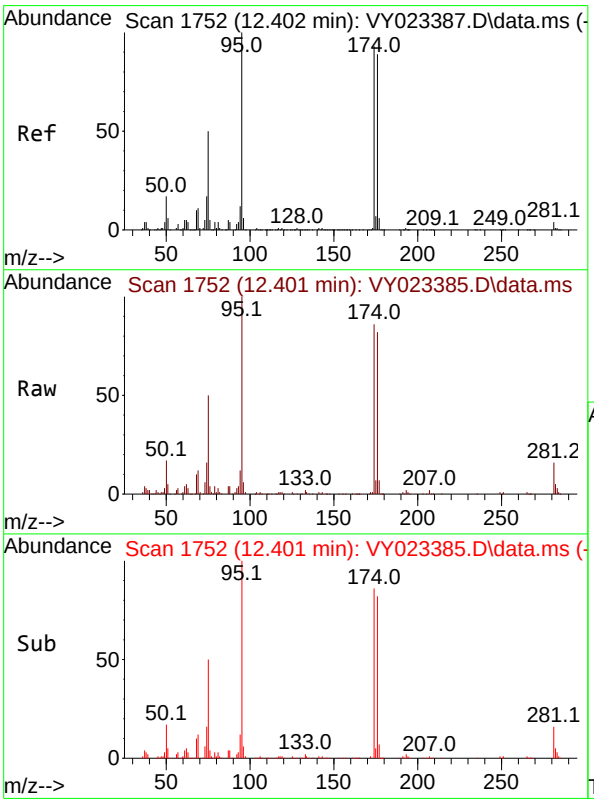
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

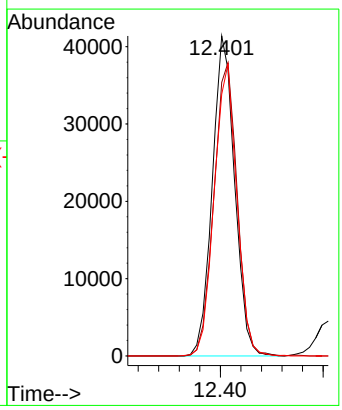


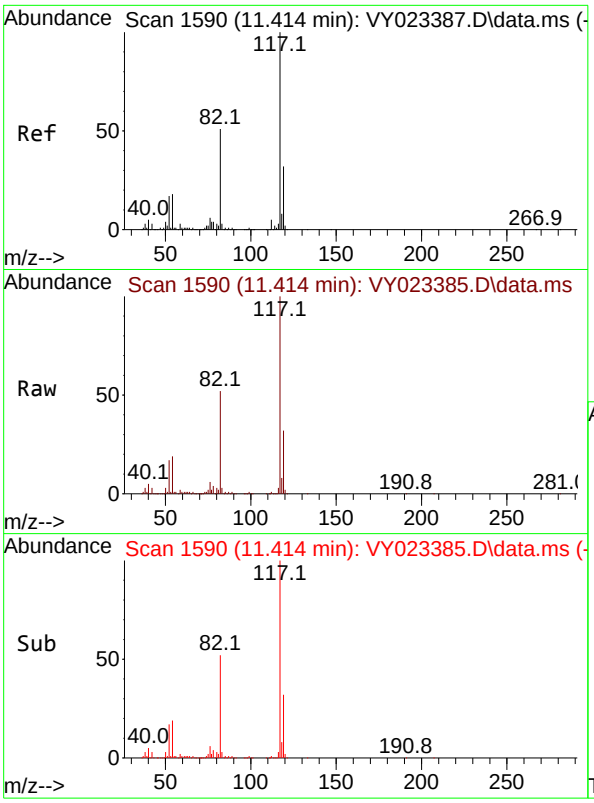


#62
4-Bromofluorobenzene
Concen: 10.235 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 95 Resp: 62601

Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	192.8
176	92.1	0.0	187.6

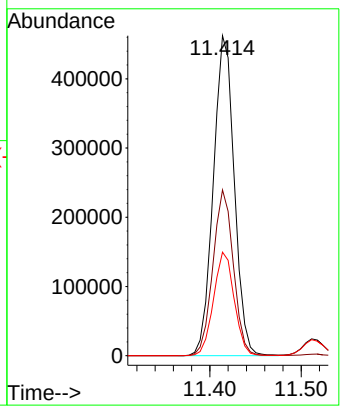




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:117 Resp: 73615

Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.0	61.4
119	32.3	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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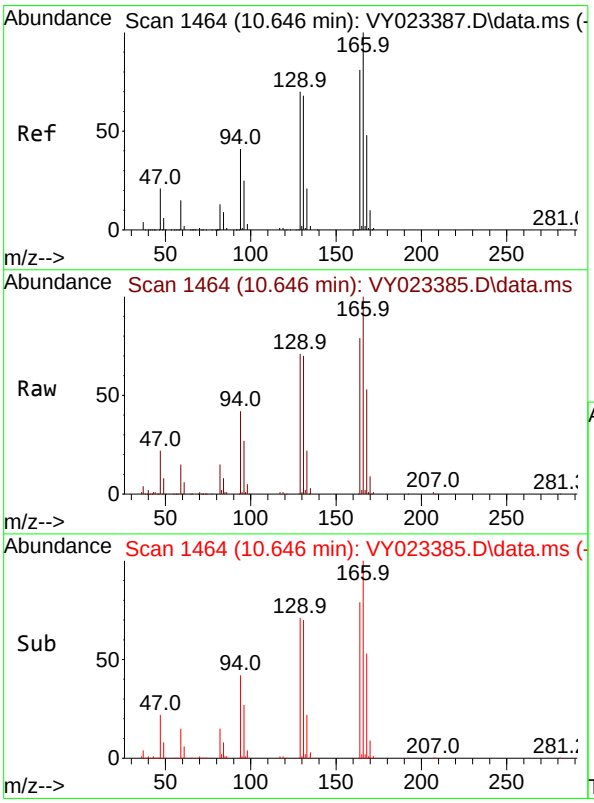
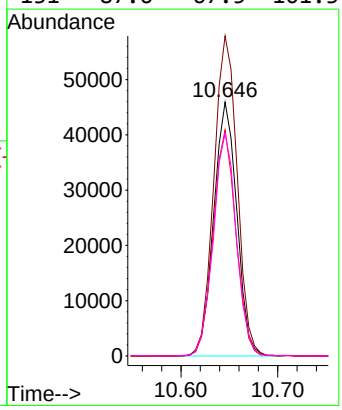
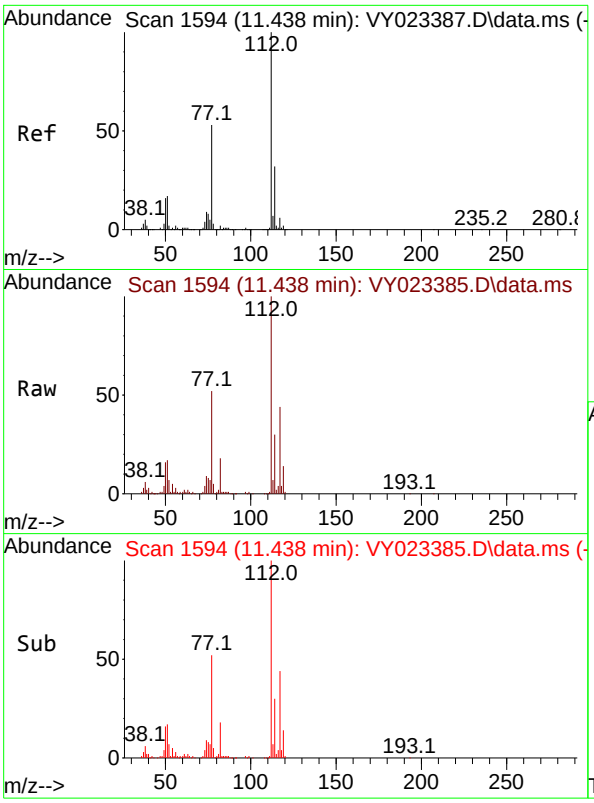


#64
Tetrachloroethene
Concen: 10.335 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:164 Resp: 76110

Ion	Ratio	Lower	Upper
164	100		
166	126.1	99.4	149.0
129	89.0	69.4	104.2
131	87.6	67.5	101.3

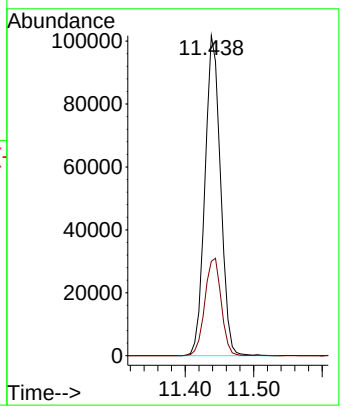




#65
Chlorobenzene
Concen: 10.074 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:112 Resp: 16115

Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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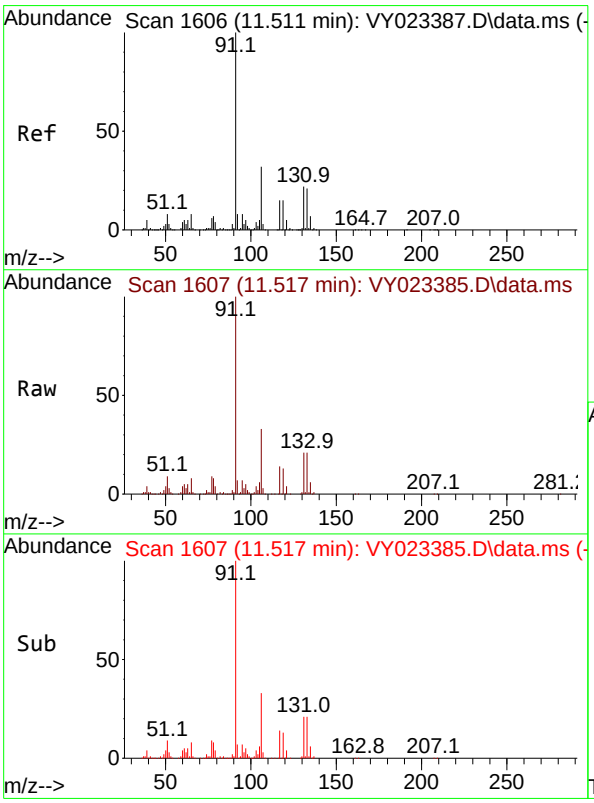
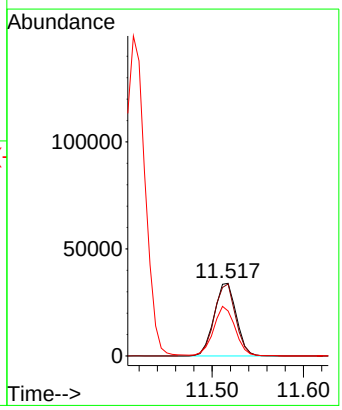
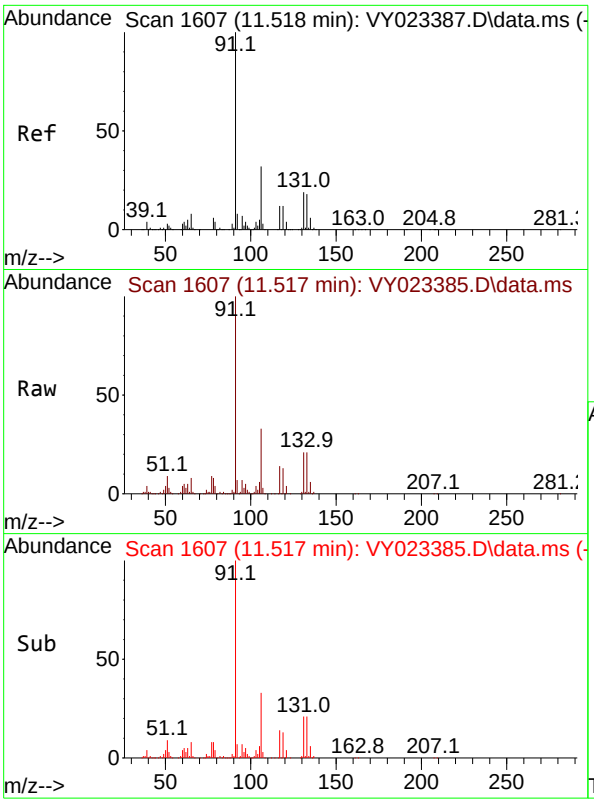


#66
1,1,1,2-Tetrachloroethane
Concen: 10.173 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:131 Resp: 57233

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.4	145.2
119	66.9	32.4	97.2

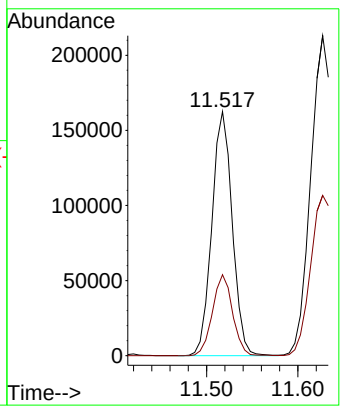




#67
Ethyl Benzene
Concen: 9.651 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 25195

Ion	Ratio	Lower	Upper
91	100		
106	33.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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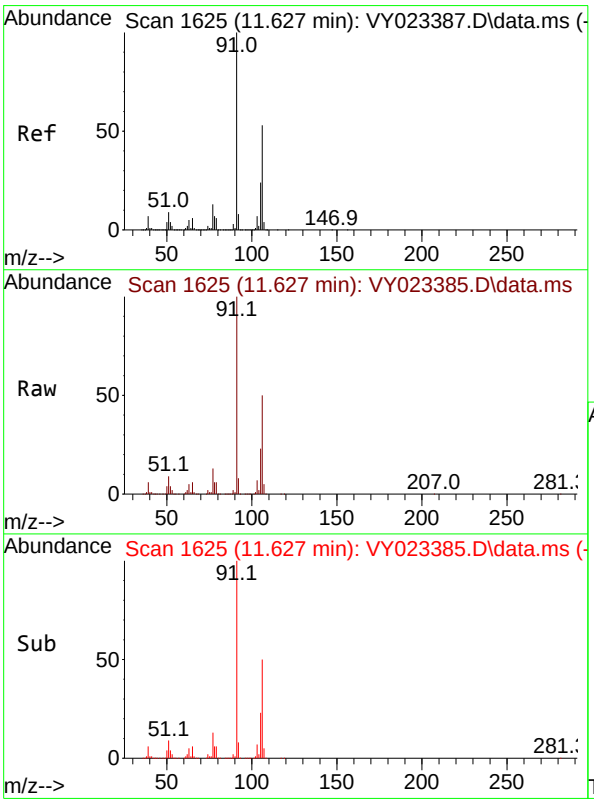
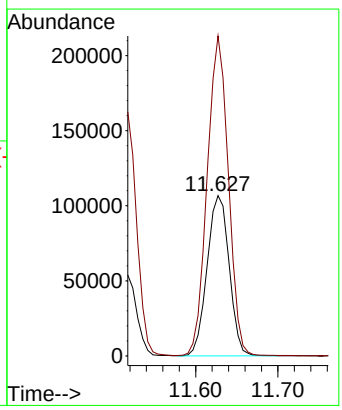
Supervised By :Mahesh Dadoda 10/10/2025

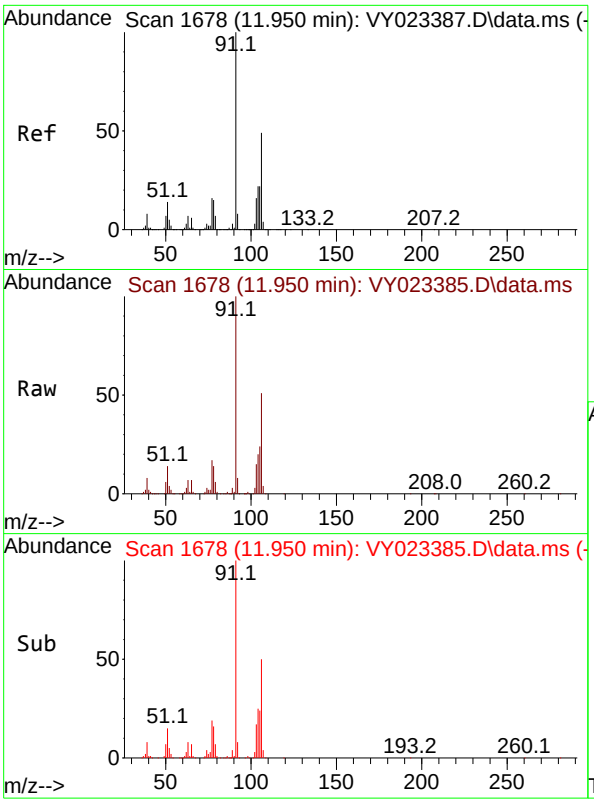


#68
m/p-Xylenes
Concen: 19.004 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:106 Resp: 198866

Ion	Ratio	Lower	Upper
106	100		
91	192.3	152.6	229.0

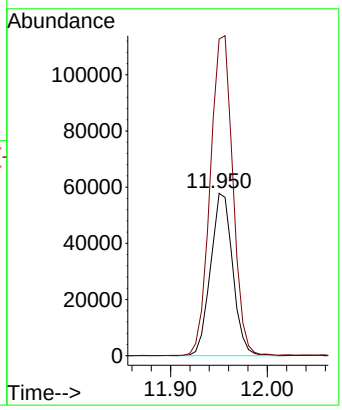




#69
o-Xylene
Concen: 9.467 ug/l
RT: 11.950 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:106 Resp: 9171(

Ion	Ratio	Lower	Upper
106	100		
91	202.0	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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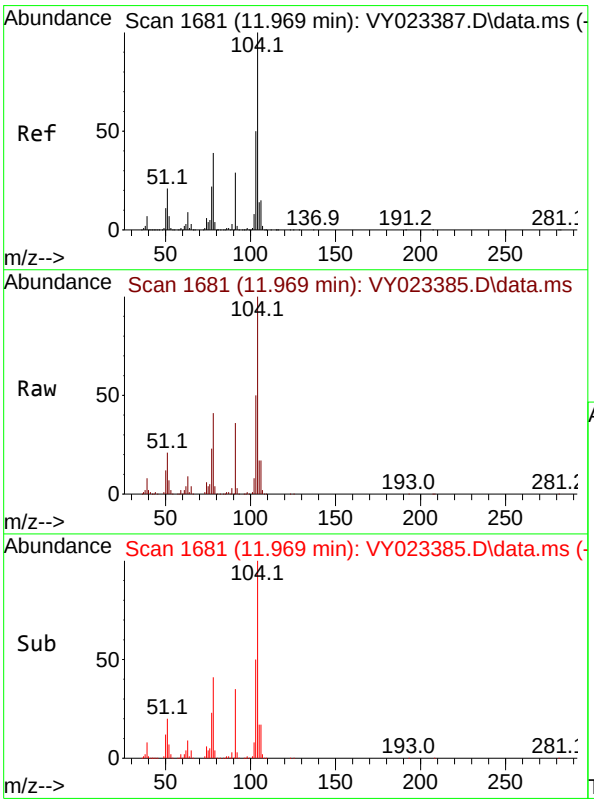
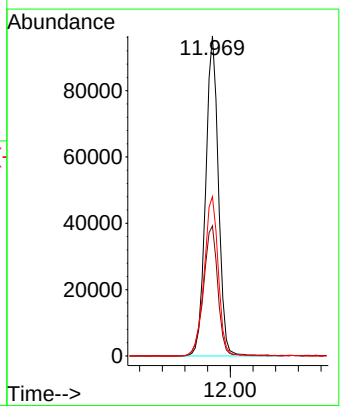
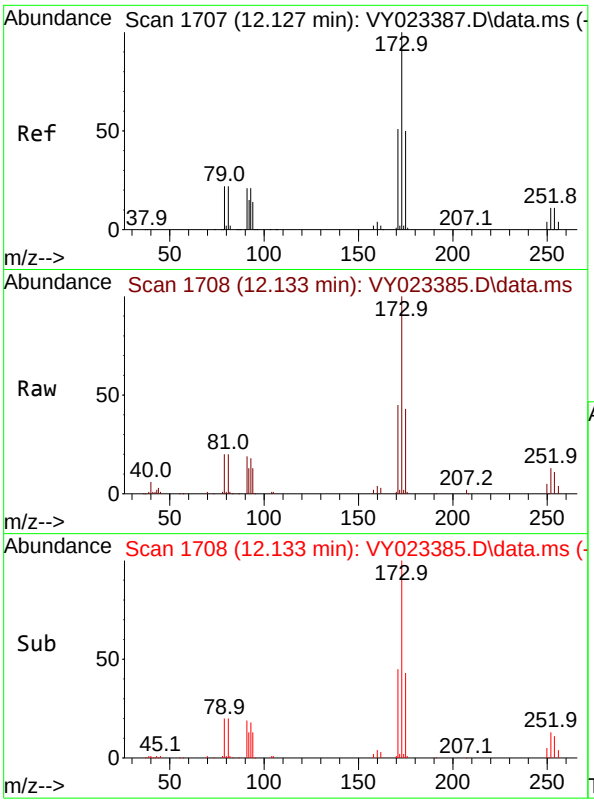


#70
Styrene
Concen: 9.446 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:104 Resp: 151094

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.1	54.1
103	55.0	43.2	64.8

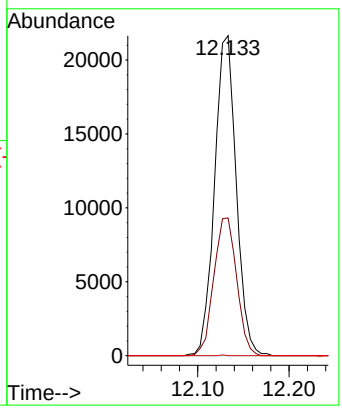




#71
Bromoform
Concen: 10.595 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:173 Resp: 3568

Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.8	74.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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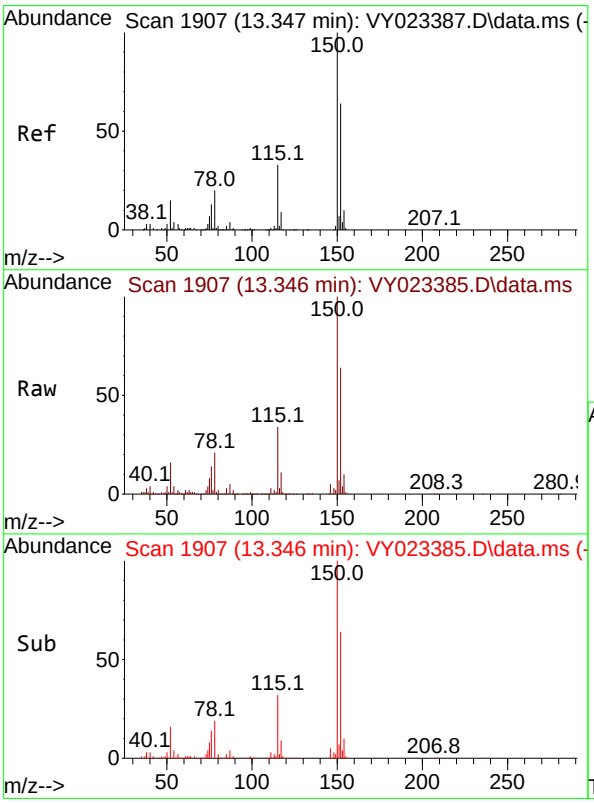
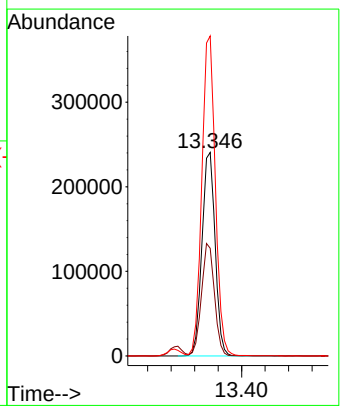
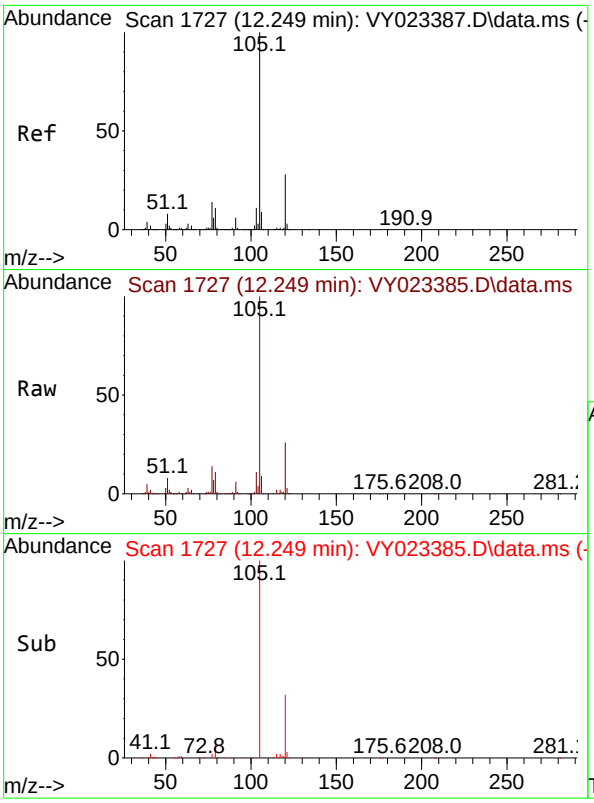


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:152 Resp: 374998

Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.1	81.2
150	160.7	0.0	347.4

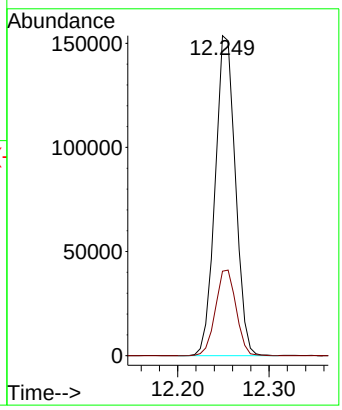




#73
Isopropylbenzene
Concen: 9.467 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 23648

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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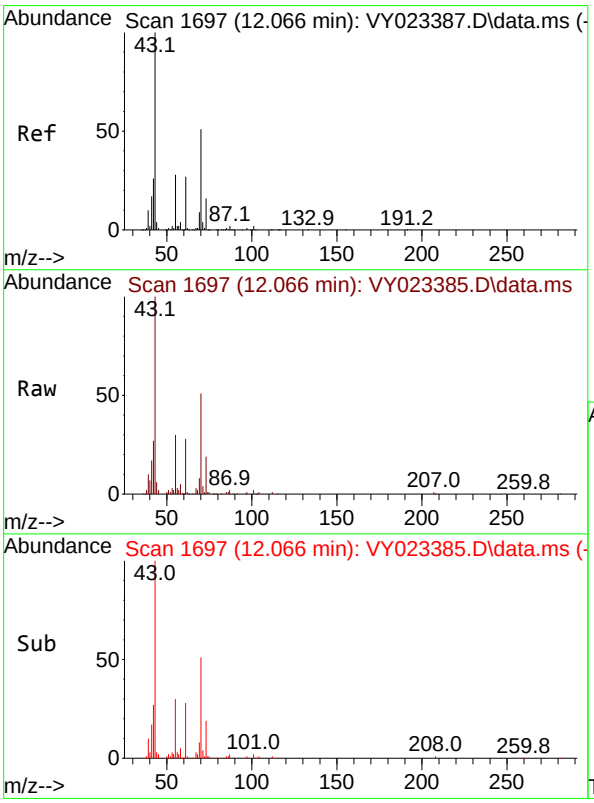
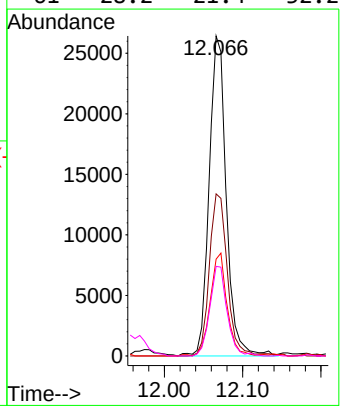
Supervised By :Mahesh Dadoda 10/10/2025

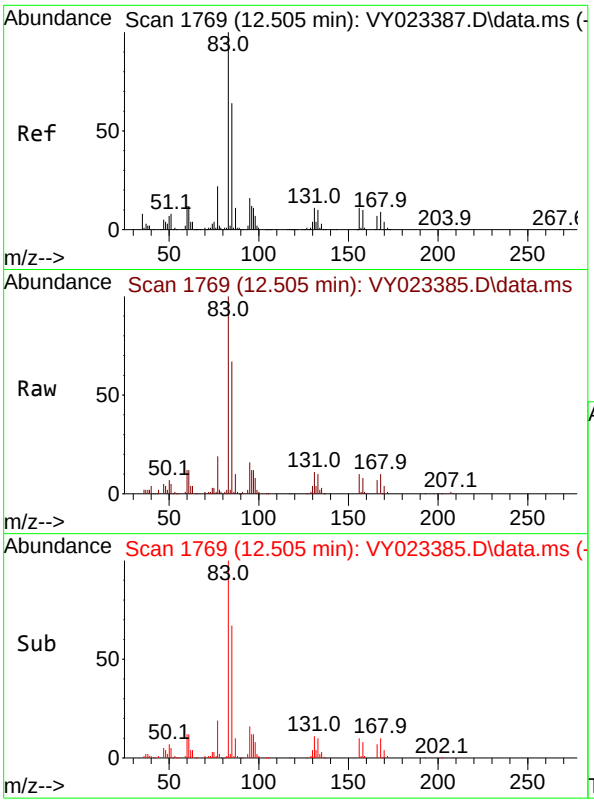


#74
N-amyl acetate
Concen: 8.590 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 40098

Ion	Ratio	Lower	Upper
43	100		
70	52.7	41.1	61.7
55	31.6	23.0	34.6
61	28.2	21.4	32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 9.871 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 83 Resp: 4113

Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.9	17.6
85	66.1	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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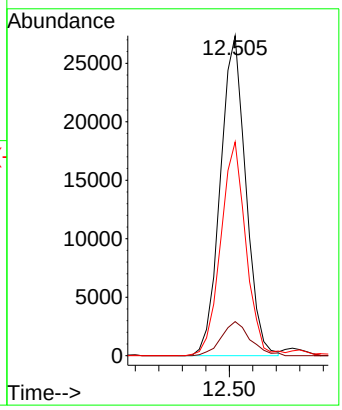
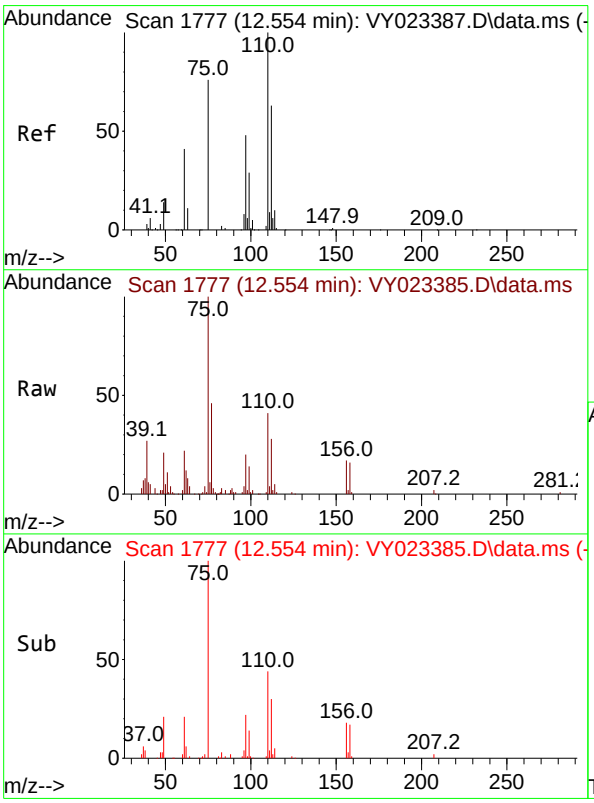
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

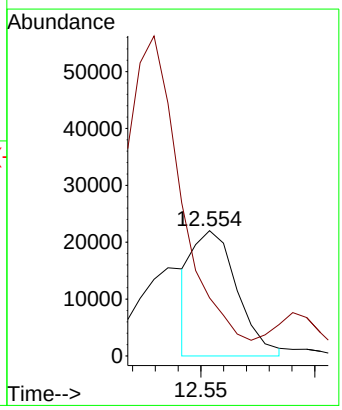


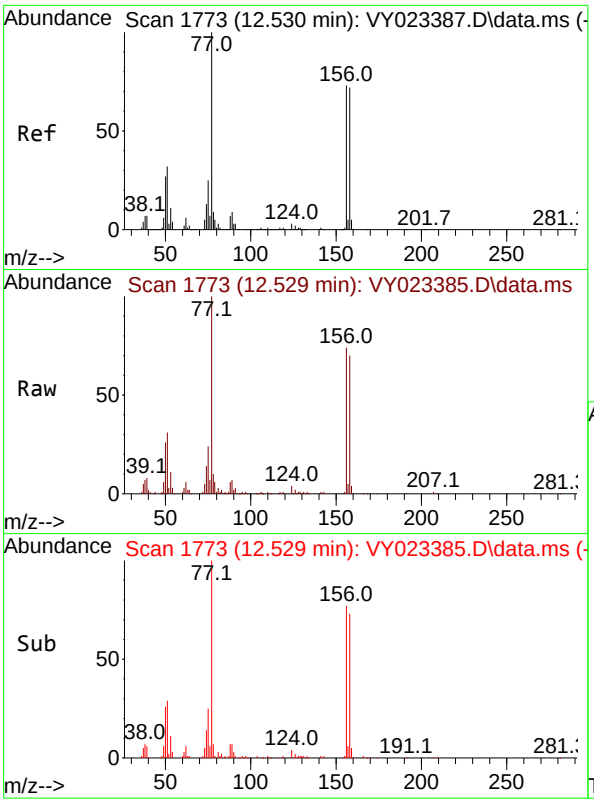


#76
1,2,3-Trichloropropane
Concen: 8.095 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 29944

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

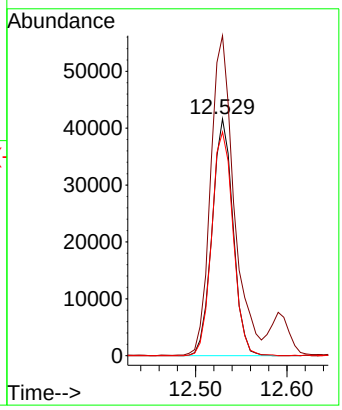




#77
Bromobenzene
Concen: 10.295 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:156 Resp: 6600

Ion	Ratio	Lower	Upper
156	100		
77	151.8	76.8	230.5
158	97.0	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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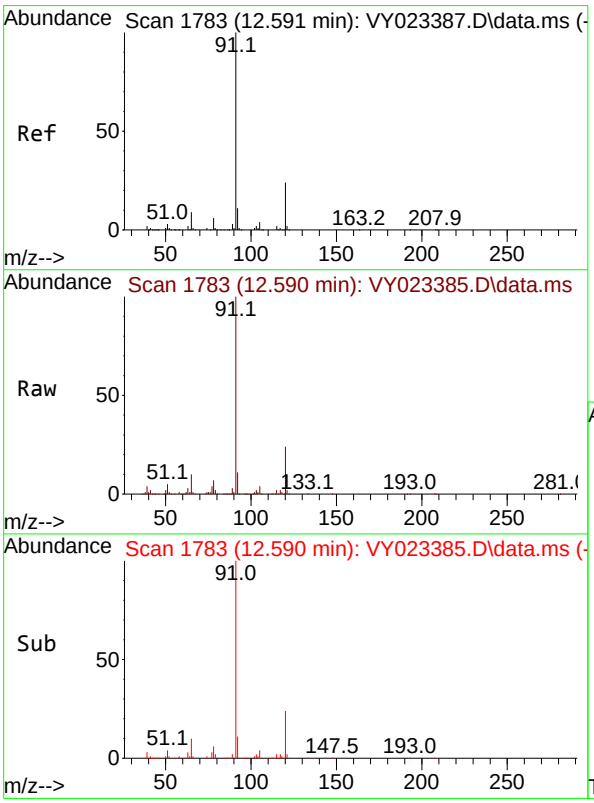
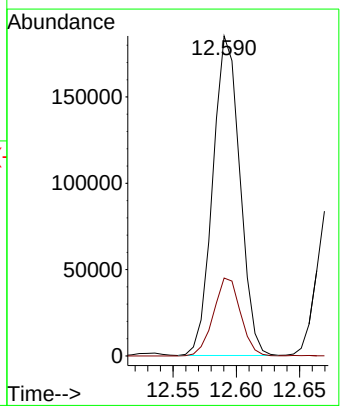
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

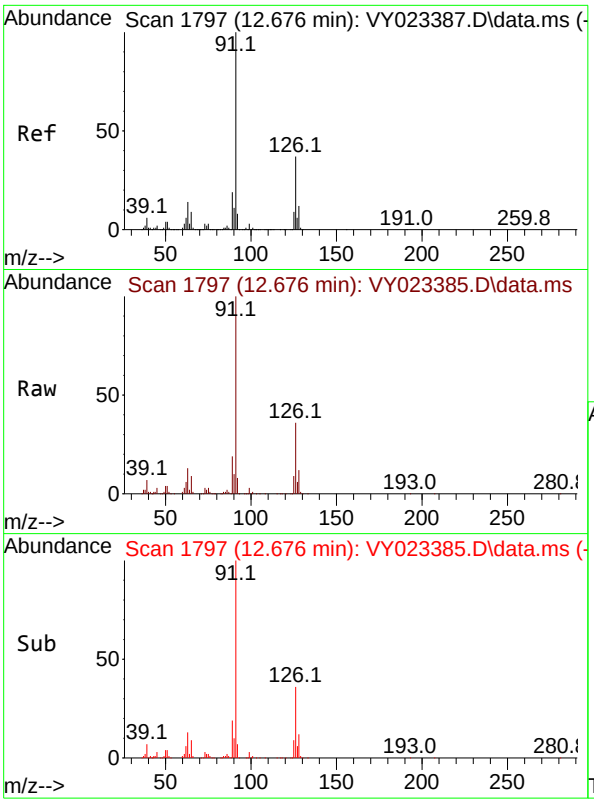


#78
n-propylbenzene
Concen: 9.384 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 275671

Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.8

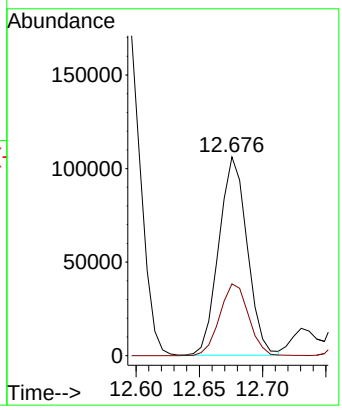




#79
2-Chlorotoluene
Concen: 9.762 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 16558

Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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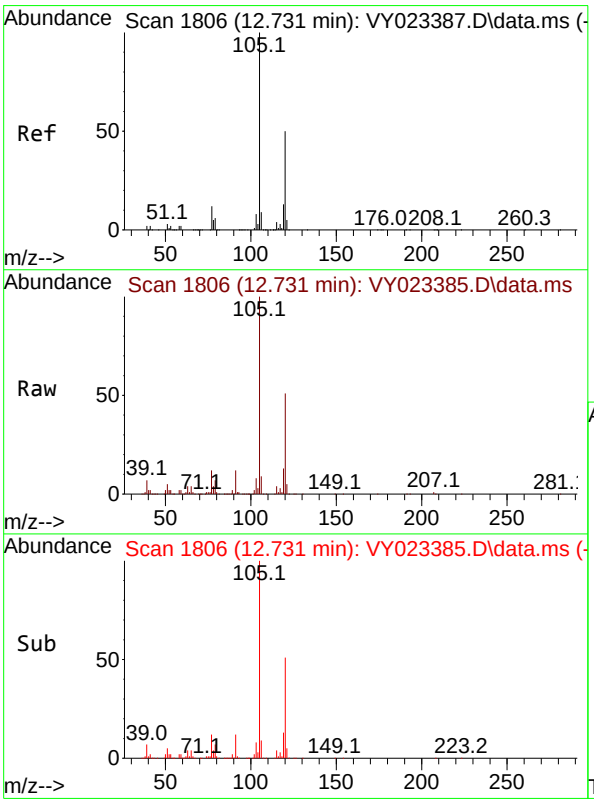
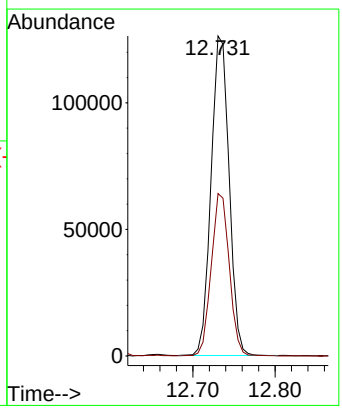
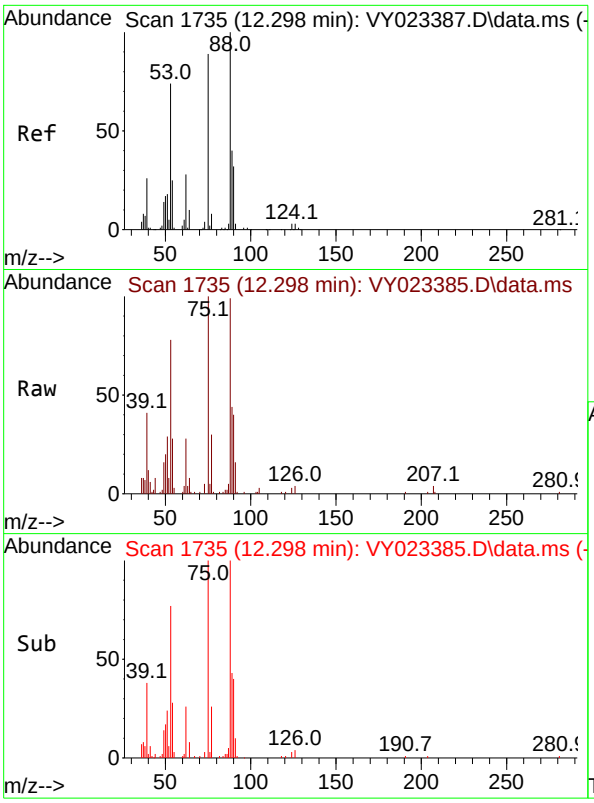


#80
1,3,5-Trimethylbenzene
Concen: 9.445 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 191799

Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.4	76.4

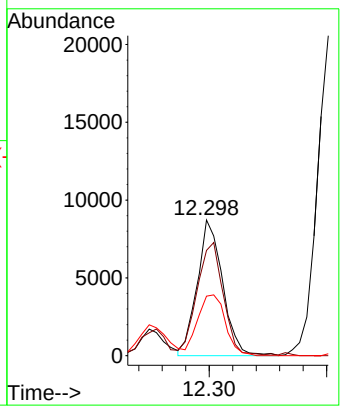




#81
trans-1,4-Dichloro-2-butene
Concen: 9.556 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 1311

Ion	Ratio	Lower	Upper
75	100		
53	84.6	68.6	102.8
89	48.5	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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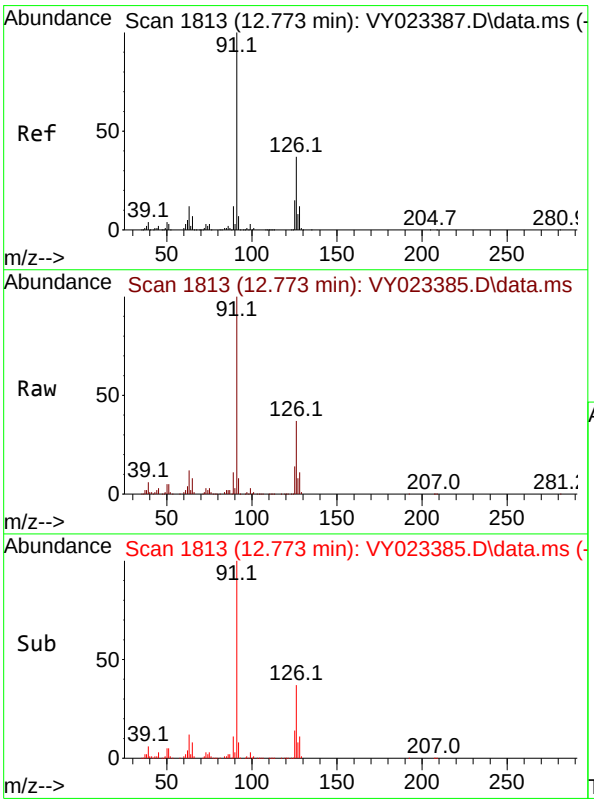
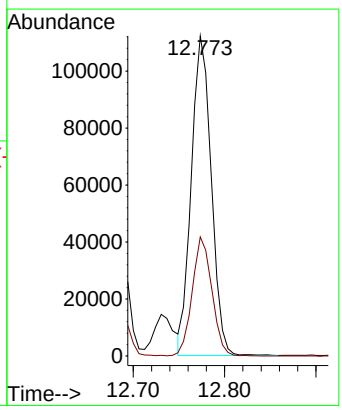
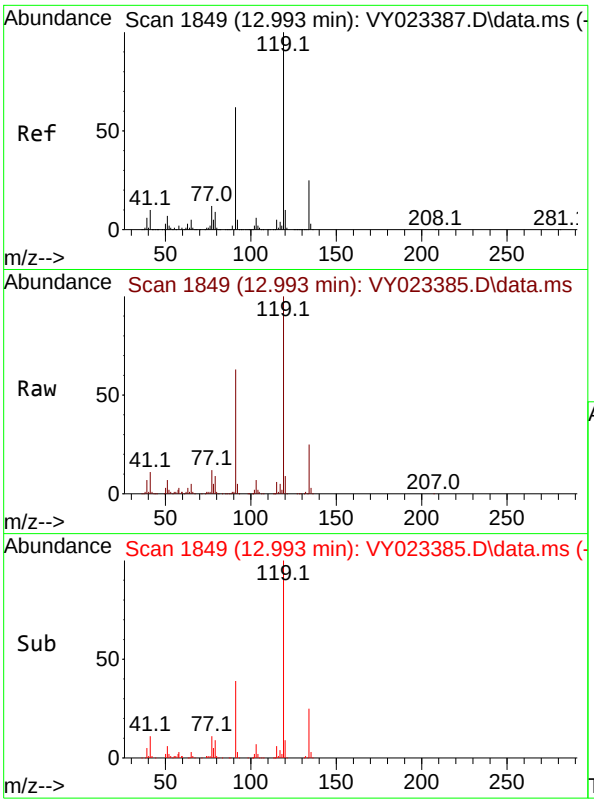


#82
4-Chlorotoluene
Concen: 9.595 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 169968

Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.4	55.4





#83
tert-Butylbenzene
Concen: 9.579 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:119 Resp: 17725

Ion	Ratio	Lower	Upper
119	100		
91	60.5	29.9	89.8
134	25.6	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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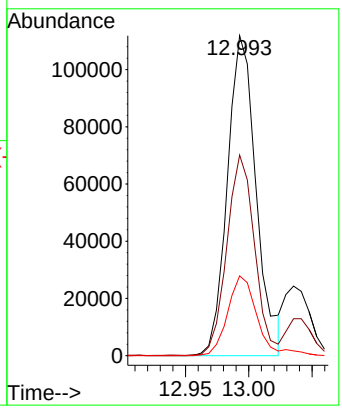
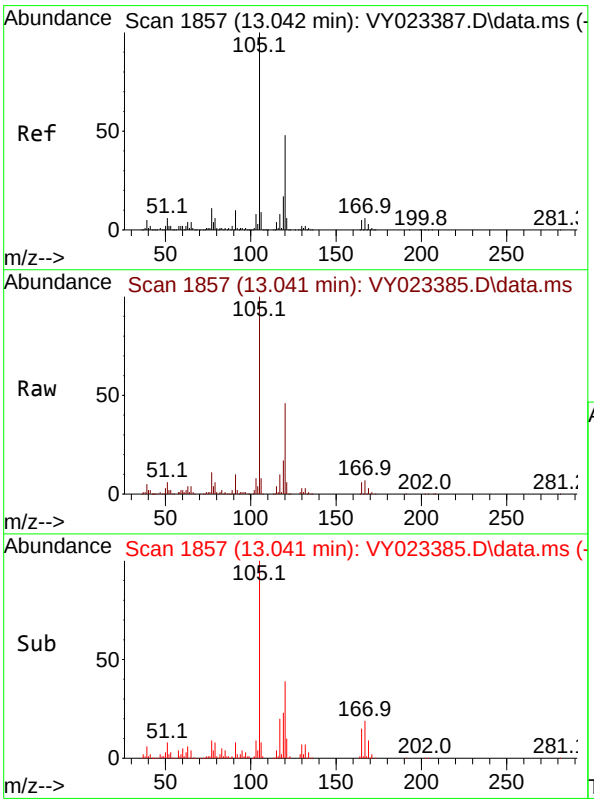
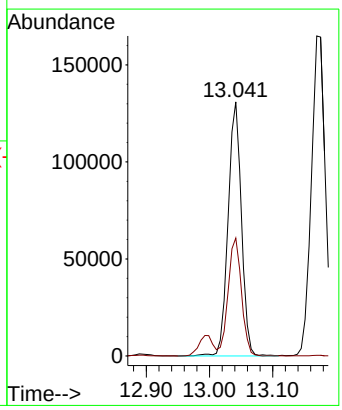


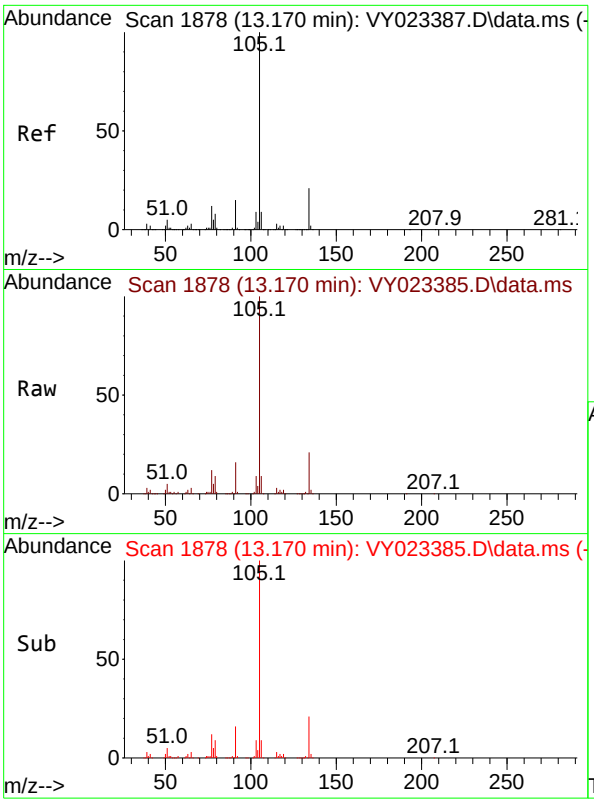


#84
1,2,4-Trimethylbenzene
Concen: 9.528 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 191423

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.8	71.2

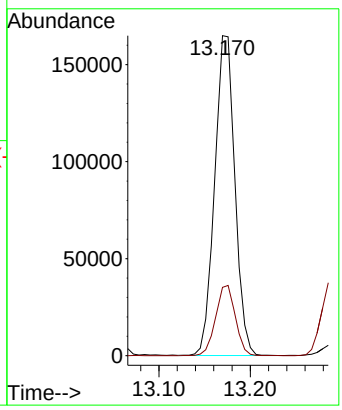




#85
sec-Butylbenzene
Concen: 9.483 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 25413

Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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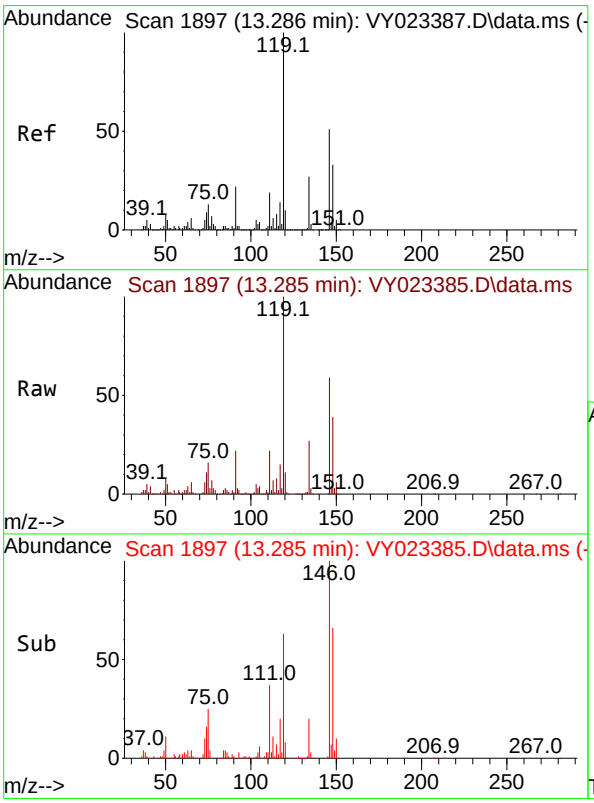
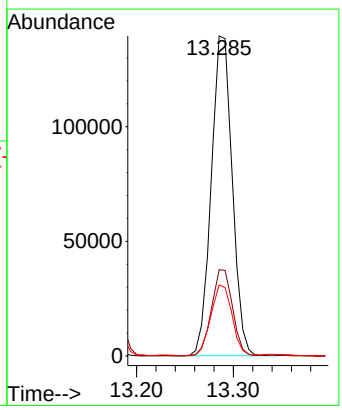
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

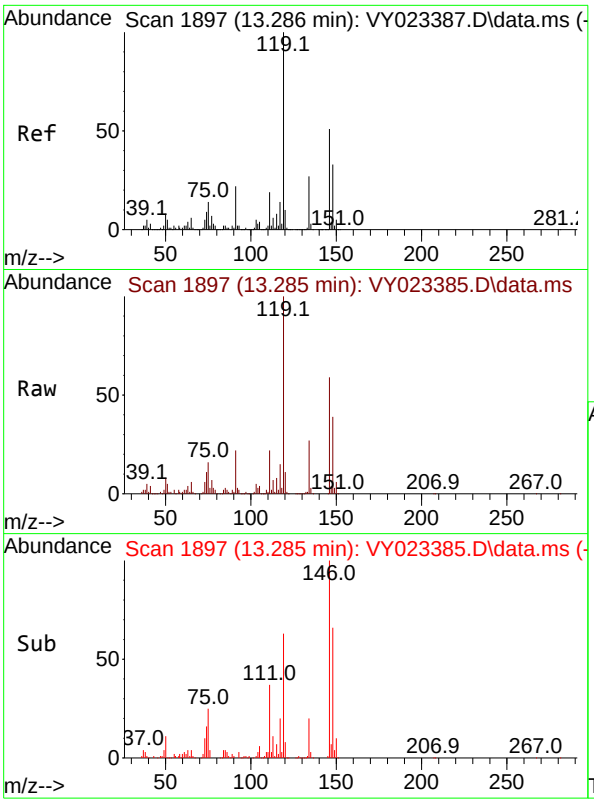


#86
p-Isopropyltoluene
Concen: 9.287 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:119 Resp: 210320

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.3	10.9	32.9

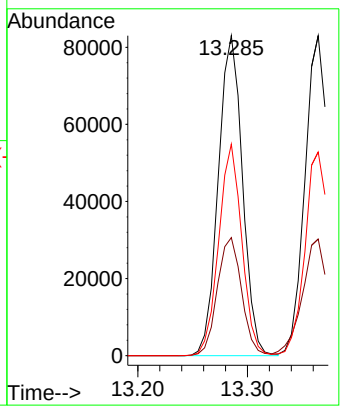




#87
1,3-Dichlorobenzene
Concen: 10.058 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:146 Resp: 12737

Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	63.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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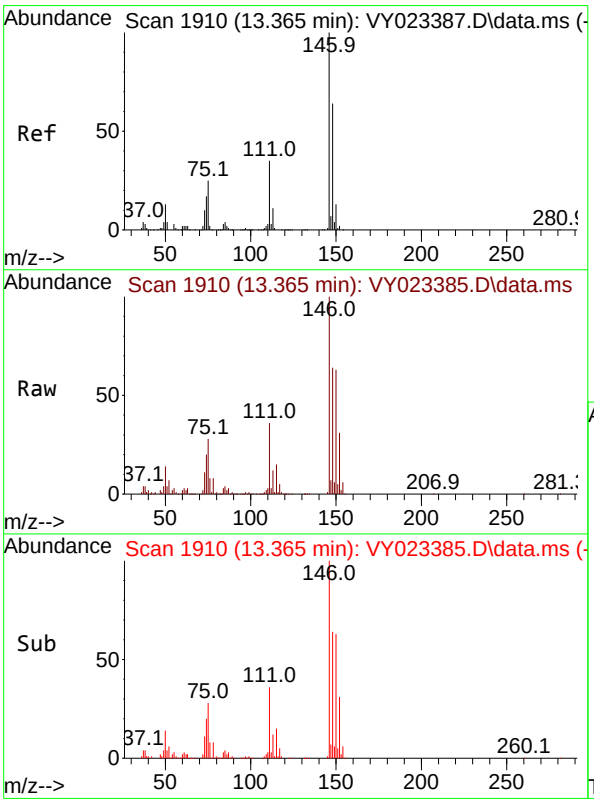
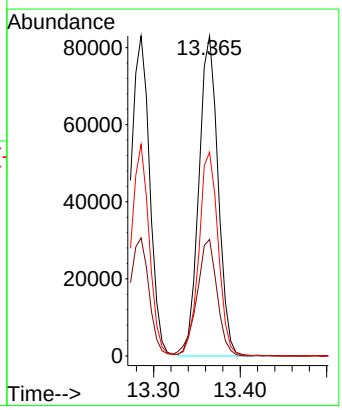
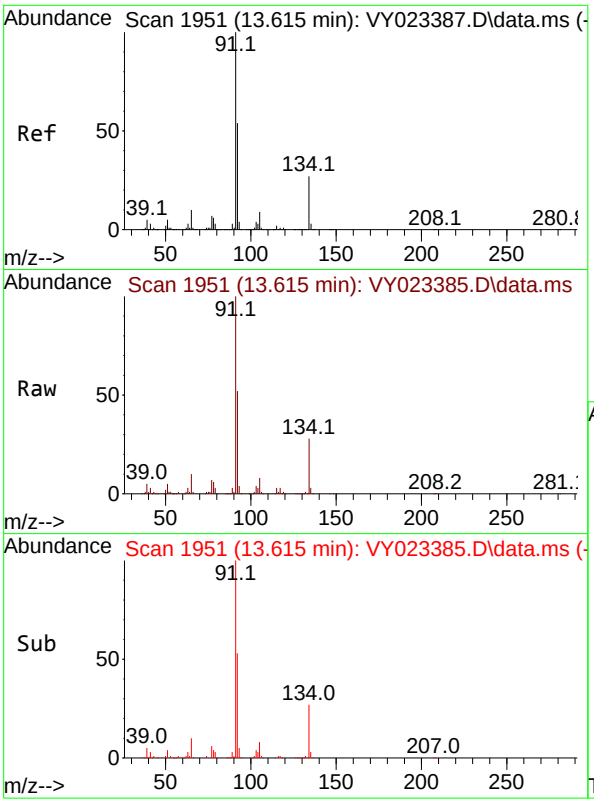


#88
1,4-Dichlorobenzene
Concen: 10.172 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:146 Resp: 127757

Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.0	54.0
148	64.2	31.9	95.7

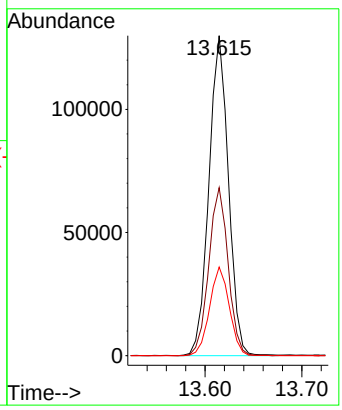




#89
n-Butylbenzene
Concen: 9.107 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 18211

Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.0	80.8
134	28.0	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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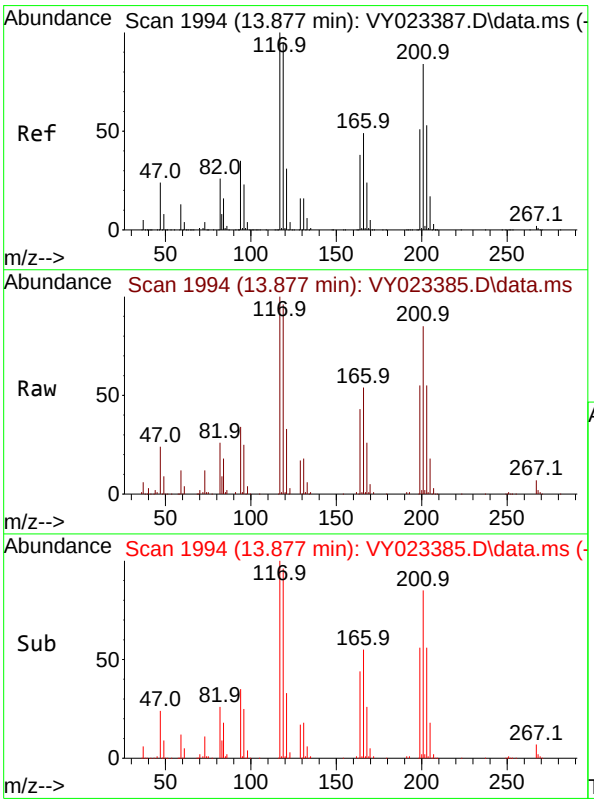
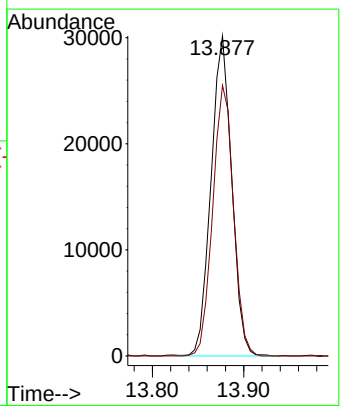
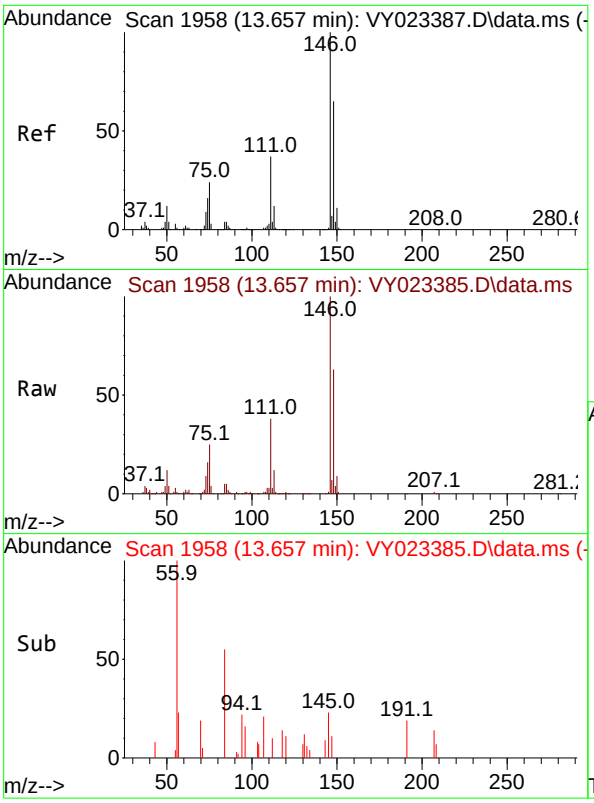


#90
Hexachloroethane
Concen: 9.630 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:117 Resp: 47355

Ion	Ratio	Lower	Upper
117	100		
201	85.0	43.8	131.4

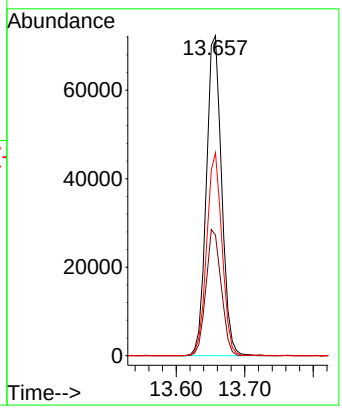




#91
1,2-Dichlorobenzene
Concen: 10.165 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:146 Resp: 11232

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.0	57.0
148	63.4	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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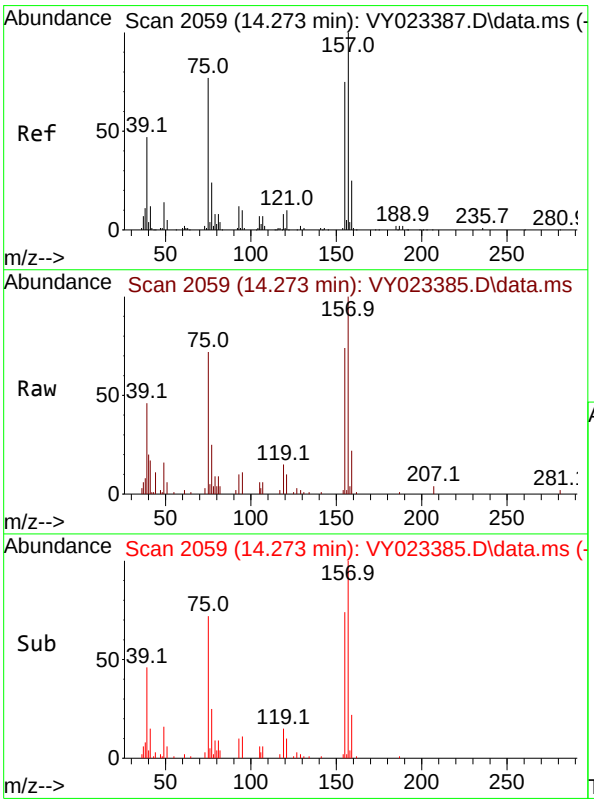
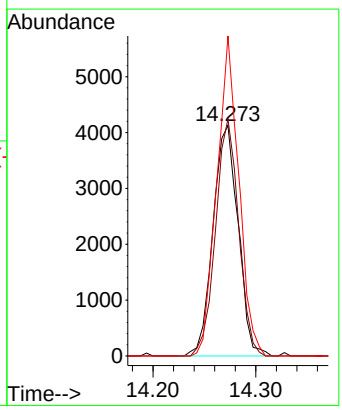
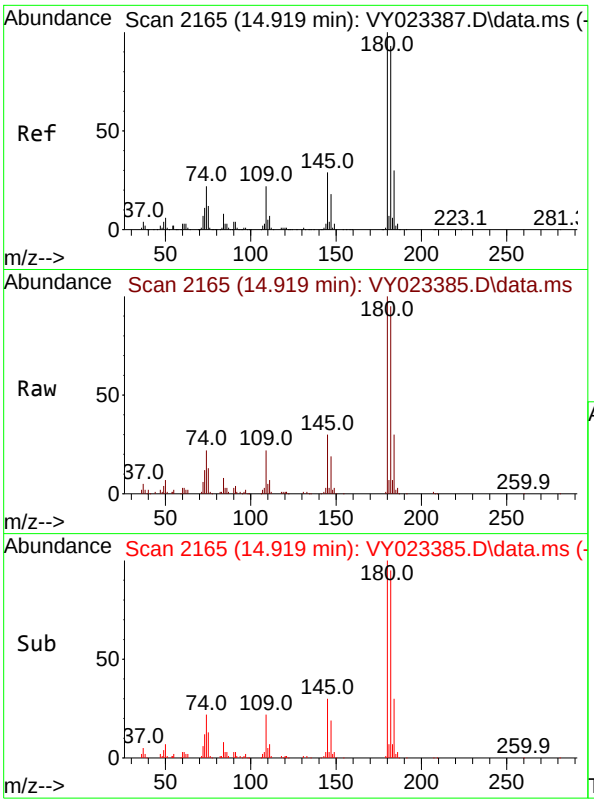


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.608 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 7005

Ion	Ratio	Lower	Upper
75	100		
155	94.2	50.0	150.0
157	121.7	63.8	191.5

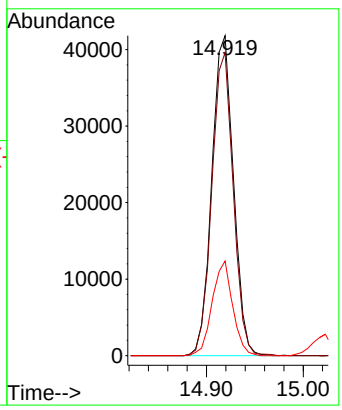




#93
1,2,4-Trichlorobenzene
Concen: 9.992 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:180 Resp: 6505

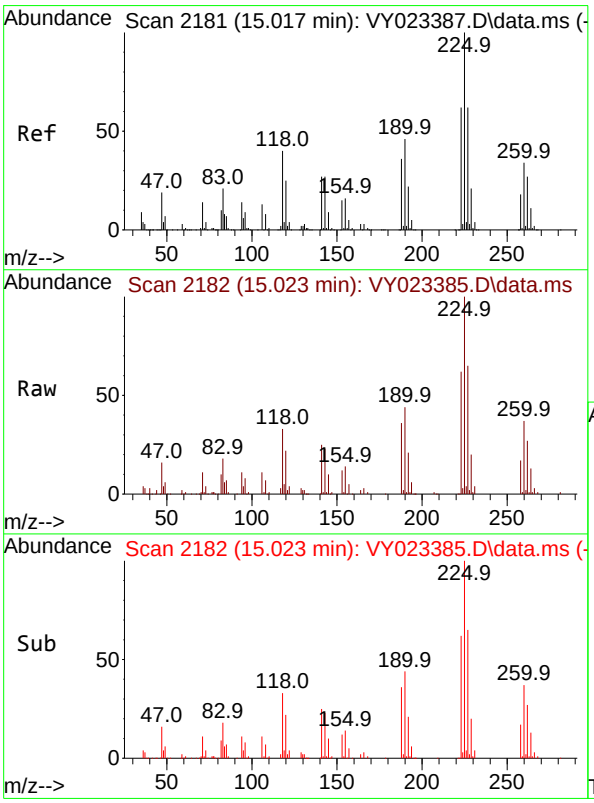
Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.6
145	27.9	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

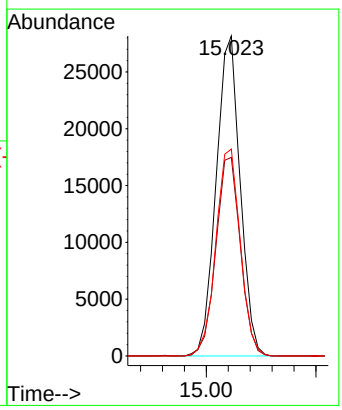
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

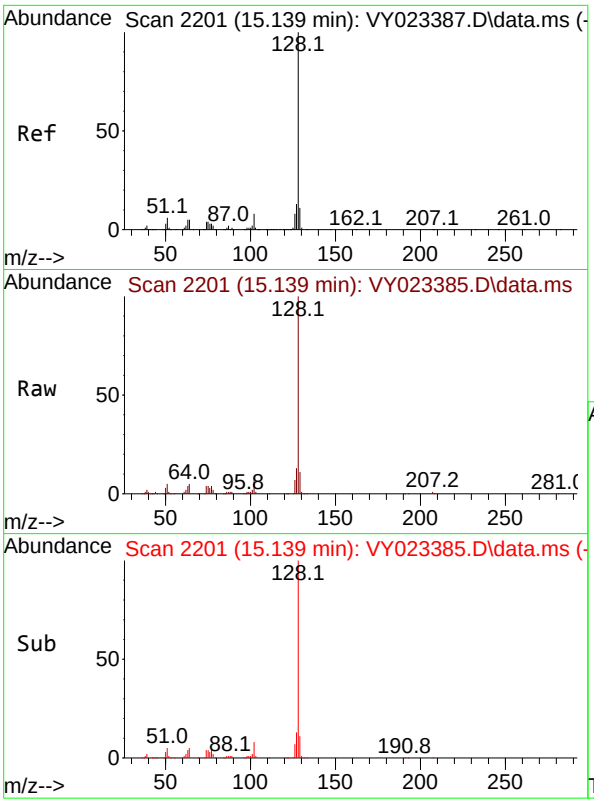


#94
Hexachlorobutadiene
Concen: 10.554 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:225 Resp: 42813

Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.8	92.3
227	66.0	31.9	95.7

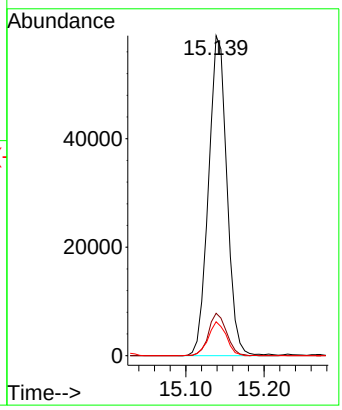




#95
Naphthalene
Concen: 9.264 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:128 Resp: 9609

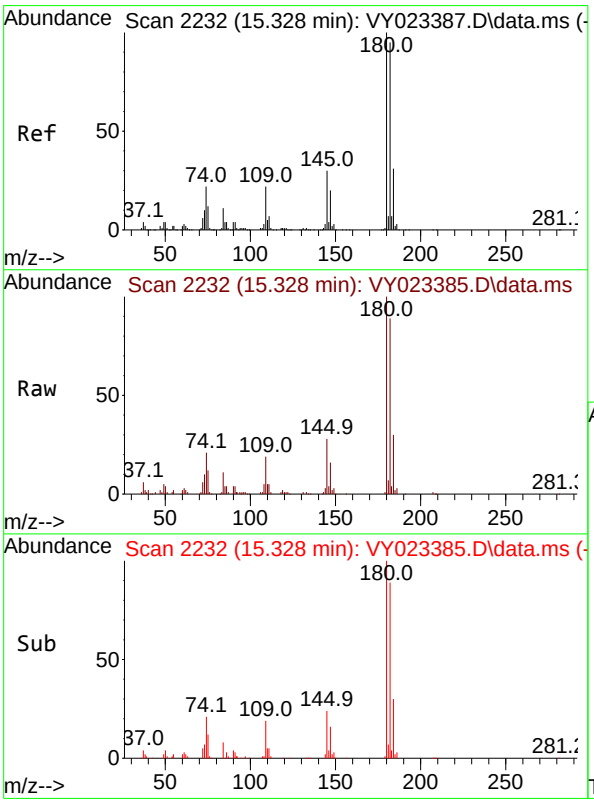
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.4	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

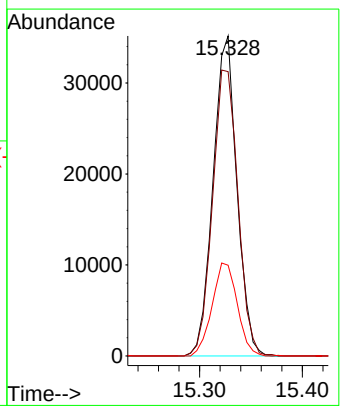
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 10.004 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:180 Resp: 56499

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.8
145	30.8	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	574363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	851961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	746872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98481	19.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 39.600%#			
35) Dibromofluoromethane	7.634	113	108034	20.895	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 41.800%#			
50) Toluene-d8	10.103	98	401067	20.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 41.140%#			
62) 4-Bromofluorobenzene	12.401	95	127216	20.680	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 41.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	91924	20.318	ug/l	98
3) Chloromethane	2.074	50	117585	18.284	ug/l	100
4) Vinyl Chloride	2.202	62	151460	18.652	ug/l	99
5) Bromomethane	2.586	94	125948	18.907	ug/l	97
6) Chloroethane	2.732	64	103973	18.859	ug/l	94
7) Trichlorofluoromethane	3.049	101	217452	20.846	ug/l	99
8) Diethyl Ether	3.452	74	54124	19.837	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	109936	19.718	ug/l	99
10) Methyl Iodide	4.007	142	119083	18.482	ug/l	99
11) Tert butyl alcohol	4.854	59	34346	117.345	ug/l	98
12) 1,1-Dichloroethene	3.787	96	104778	19.531	ug/l	98
13) Acrolein	3.653	56	48115	97.023	ug/l	98
14) Allyl chloride	4.384	41	125424	18.674	ug/l	98
15) Acrylonitrile	5.055	53	99018	92.641	ug/l	100
16) Acetone	3.866	43	108209	96.742	ug/l	96
17) Carbon Disulfide	4.104	76	303284	18.121	ug/l	99
18) Methyl Acetate	4.384	43	59704	21.002	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	247030	19.667	ug/l	97
20) Methylene Chloride	4.616	84	132229	21.801	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	116410	19.512	ug/l	95
22) Diisopropyl ether	6.018	45	288429	19.366	ug/l	98
23) Vinyl Acetate	5.957	43	748048	91.373	ug/l	99
24) 1,1-Dichloroethane	5.915	63	190012	19.354	ug/l	99
25) 2-Butanone	6.896	43	132159	95.593	ug/l	93
26) 2,2-Dichloropropane	6.884	77	167903	19.247	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	133634	19.747	ug/l	99
28) Bromochloromethane	7.244	49	73407	19.273	ug/l	98
29) Tetrahydrofuran	7.262	42	76502	93.229	ug/l	99
30) Chloroform	7.421	83	207096	19.562	ug/l	100
31) Cyclohexane	7.701	56	160159	18.472	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	188861	19.873	ug/l	100
36) 1,1-Dichloropropene	7.835	75	140912	19.317	ug/l	100
37) Ethyl Acetate	6.982	43	55705	19.315	ug/l	98
38) Carbon Tetrachloride	7.817	117	171925	20.289	ug/l	99
39) Methylcyclohexane	9.109	83	182831	19.576	ug/l	99
40) Benzene	8.079	78	450471	19.809	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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	7.225	41	31129m	20.783	ug/l		
42) 1,2-Dichloroethane	8.158	62	116941	20.206	ug/l		99
43) Isopropyl Acetate	8.195	43	106595	19.002	ug/l	#	87
44) Trichloroethene	8.865	130	131459	20.598	ug/l		98
45) 1,2-Dichloropropane	9.140	63	99363	19.417	ug/l		98
46) Dibromomethane	9.231	93	62277	19.896	ug/l		98
47) Bromodichloromethane	9.420	83	156426	19.854	ug/l		98
48) Methyl methacrylate	9.219	41	50661	19.352	ug/l		99
49) 1,4-Dioxane	9.225	88	13636	420.712	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	274059	95.378	ug/l		100
52) Toluene	10.170	92	291453	20.191	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	132848	19.632	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	158580	19.606	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	82183	19.740	ug/l		96
56) Ethyl methacrylate	10.438	69	89244	18.613	ug/l		99
57) 1,3-Dichloropropane	10.719	76	130650	19.389	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	190850m	90.982	ug/l		
59) 2-Hexanone	10.761	43	187387	94.190	ug/l		99
60) Dibromochloromethane	10.908	129	115907	20.412	ug/l		100
61) 1,2-Dibromoethane	11.011	107	78579	20.062	ug/l		100
64) Tetrachloroethene	10.646	164	167648	22.438	ug/l		97
65) Chlorobenzene	11.438	112	326360	20.109	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	116412	20.396	ug/l		99
67) Ethyl Benzene	11.517	91	523606	19.768	ug/l		99
68) m/p-Xylenes	11.627	106	426913	40.211	ug/l		100
69) o-Xylene	11.956	106	195021	19.843	ug/l		96
70) Styrene	11.968	104	327934	20.208	ug/l		99
71) Bromoform	12.133	173	71119	20.814	ug/l	#	99
73) Isopropylbenzene	12.255	105	513183	20.136	ug/l		99
74) N-amyl acetate	12.072	43	85063	17.860	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76821	18.069	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	74100m	19.634	ug/l		
77) Bromobenzene	12.529	156	135402	20.700	ug/l		98
78) n-propylbenzene	12.596	91	597829	19.945	ug/l		100
79) 2-Chlorotoluene	12.676	91	349203	20.179	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	418684	20.208	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	26922	19.234	ug/l		98
82) 4-Chlorotoluene	12.773	91	361458	20.000	ug/l		99
83) tert-Butylbenzene	12.993	119	377277	19.983	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	413292	20.162	ug/l		100
85) sec-Butylbenzene	13.176	105	546582	19.990	ug/l		100
86) p-Isopropyltoluene	13.291	119	464005	20.081	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	262901	20.347	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	259217	20.230	ug/l		99
89) n-Butylbenzene	13.615	91	401893	19.697	ug/l		98
90) Hexachloroethane	13.877	117	98983	19.730	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	231199	20.507	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12668	18.802	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	137963	20.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	87575	21.159	ug/l		99
95) Naphthalene	15.145	128	206017	19.467	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	121656	21.113	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

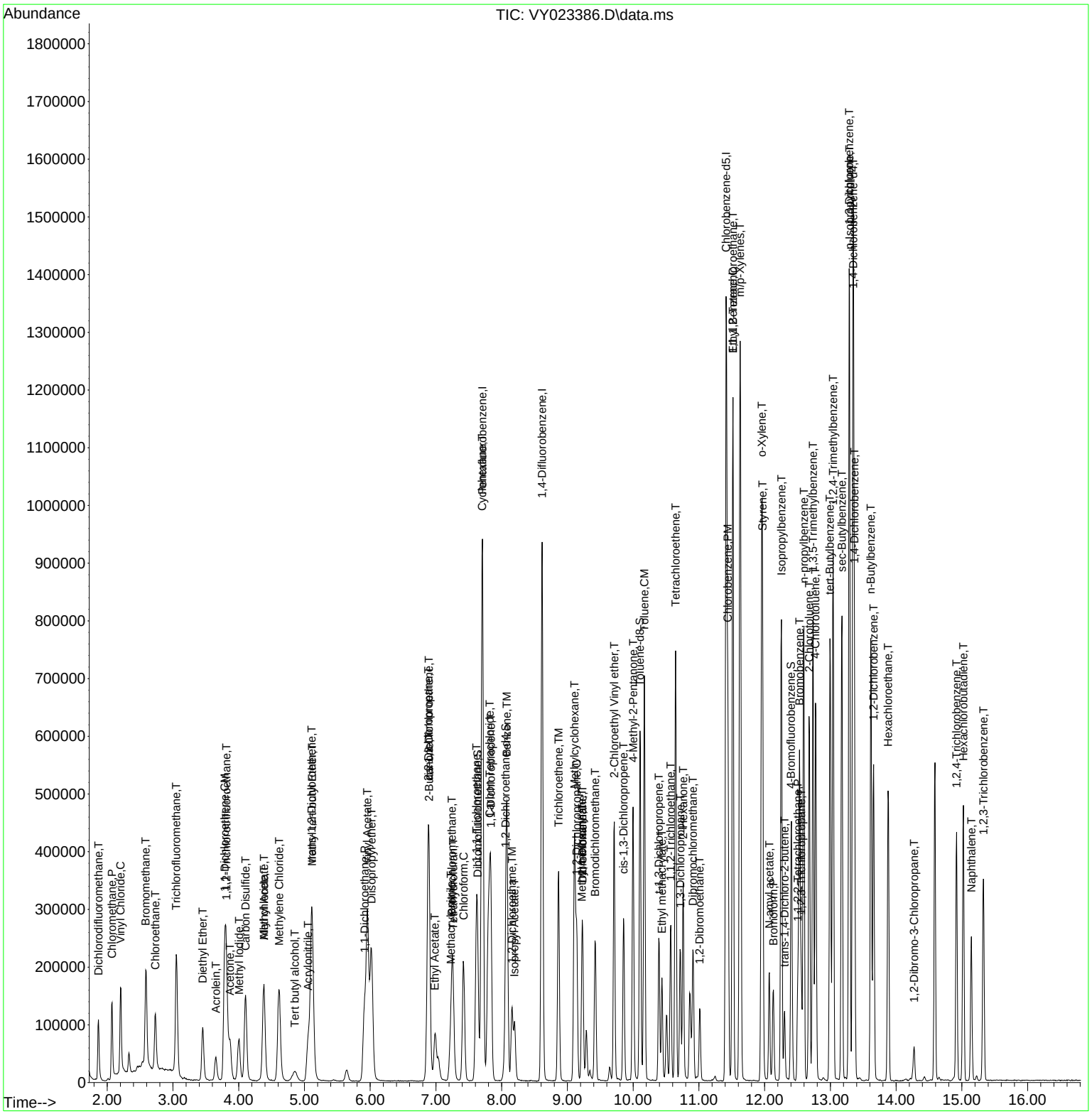
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

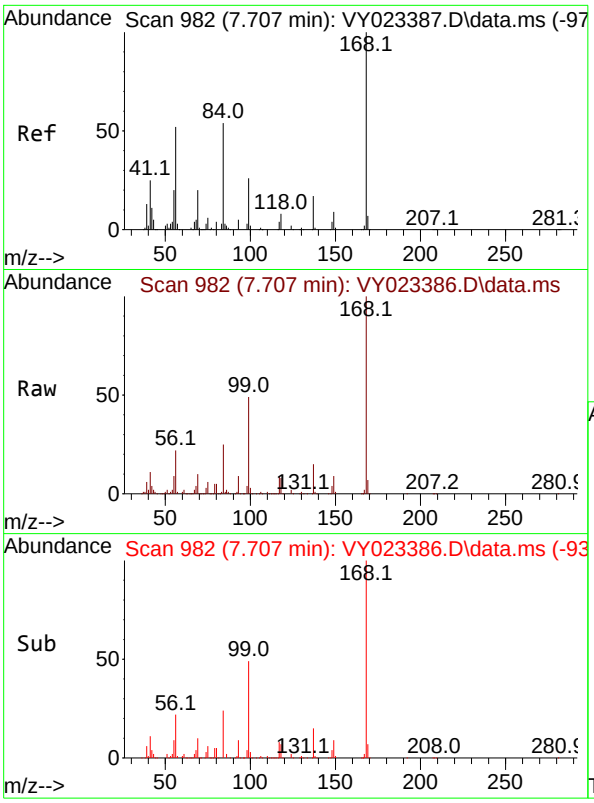
Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

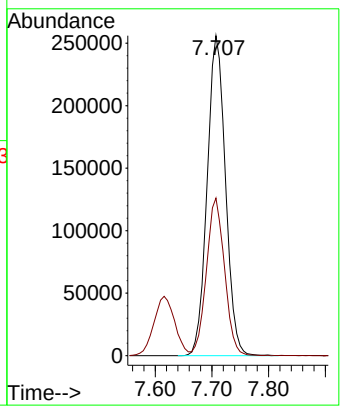




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:168 Resp: 57436

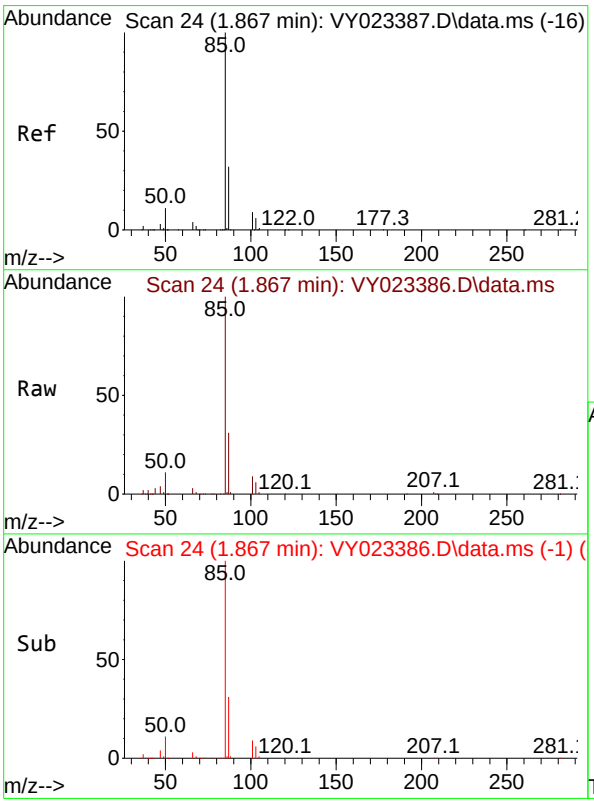
Ion	Ratio	Lower	Upper
168	100		
99	49.2	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

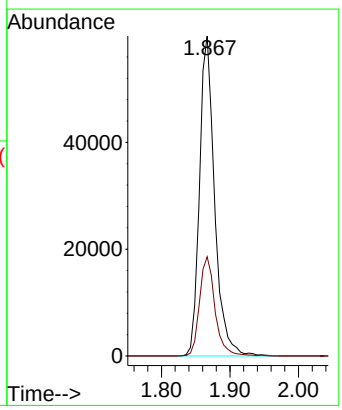
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

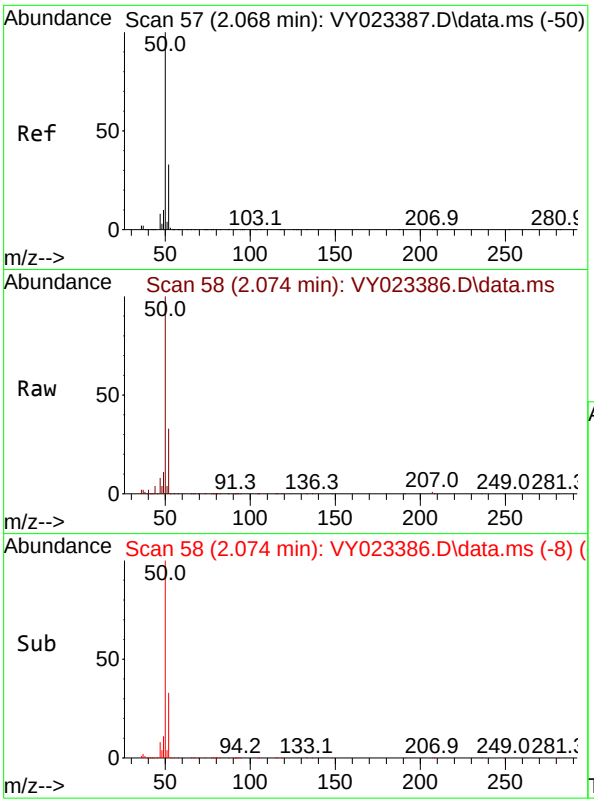


#2
Dichlorodifluoromethane
Concen: 20.318 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 85 Resp: 91924

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.0	47.9

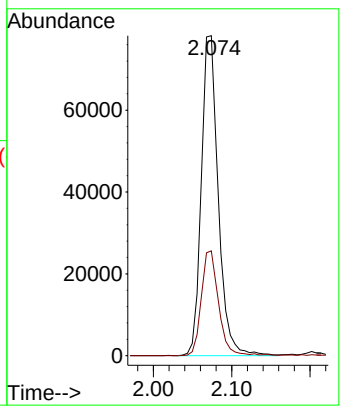




#3
Chloromethane
Concen: 18.284 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 50 Resp: 11758

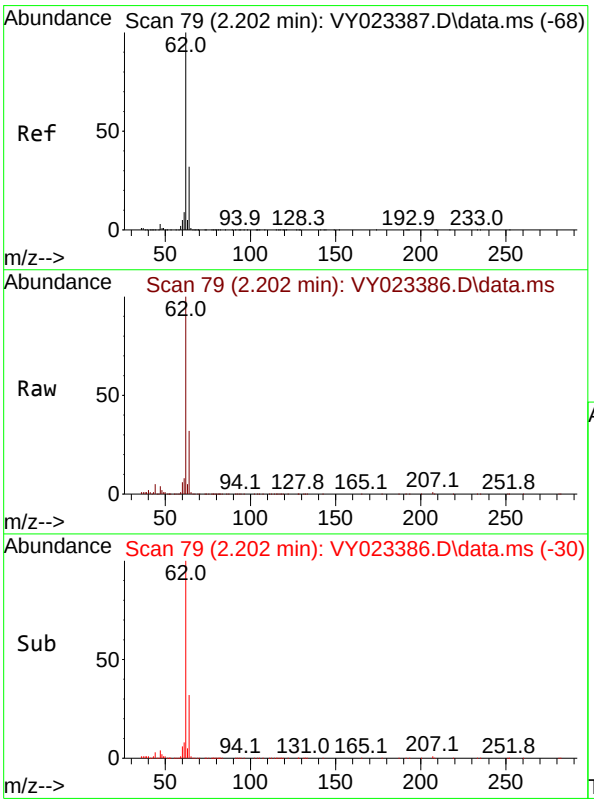
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

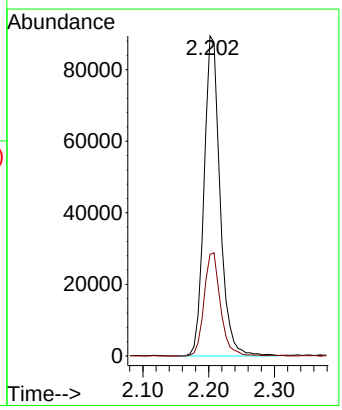
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

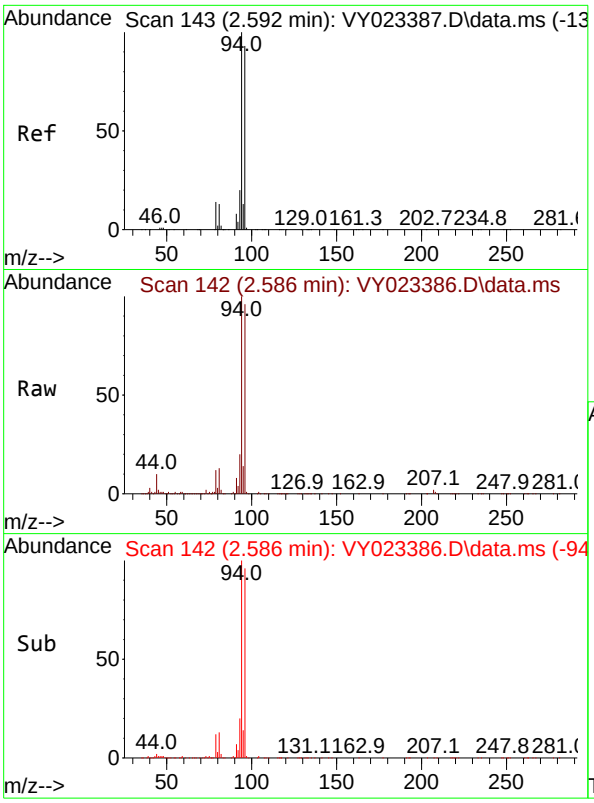


#4
Vinyl Chloride
Concen: 18.652 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 151460

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.8	38.8

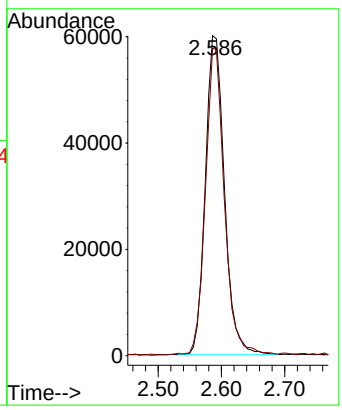




#5
Bromomethane
Concen: 18.907 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 94 Resp: 12594

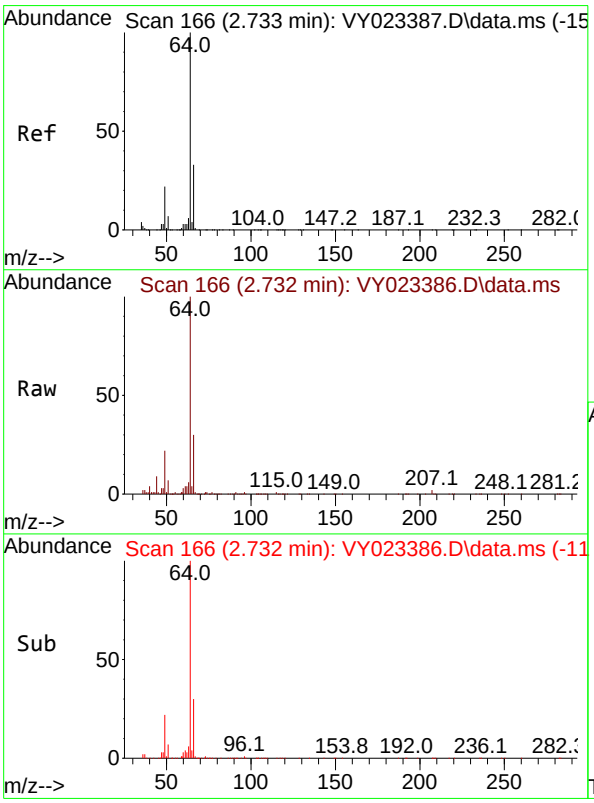
Ion	Ratio	Lower	Upper
94	100		
96	95.9	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

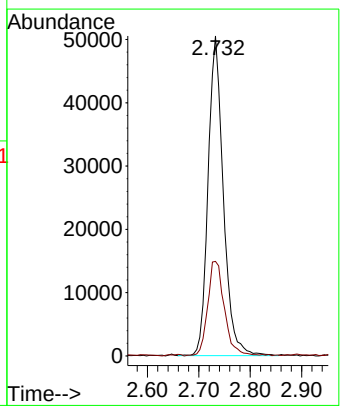
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

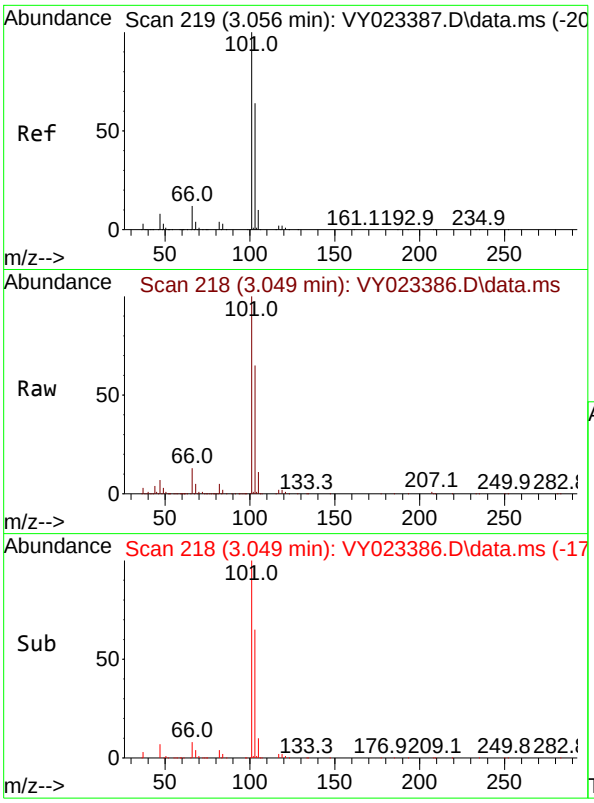


#6
Chloroethane
Concen: 18.859 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 64 Resp: 103973

Ion	Ratio	Lower	Upper
64	100		
66	29.3	26.2	39.4





#7
Trichlorofluoromethane
Concen: 20.846 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:101 Resp: 21745

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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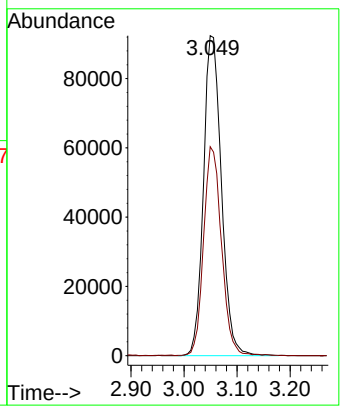
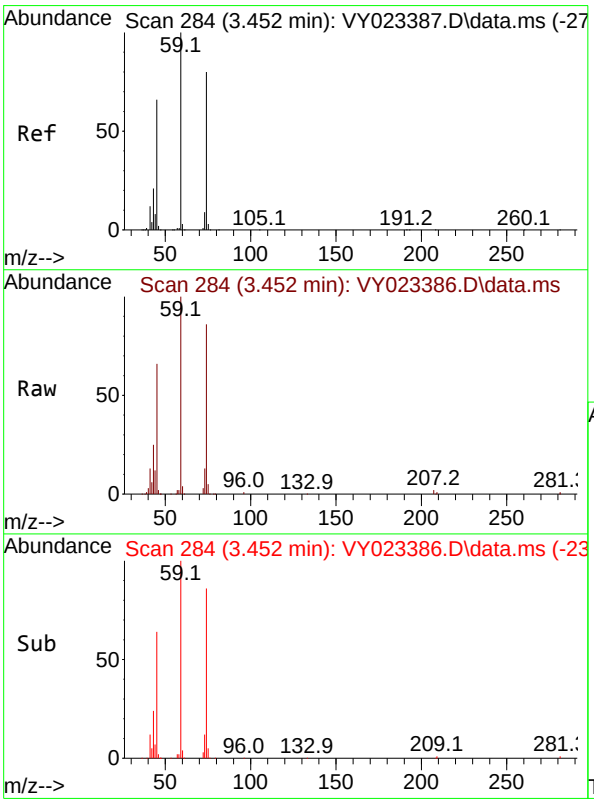
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

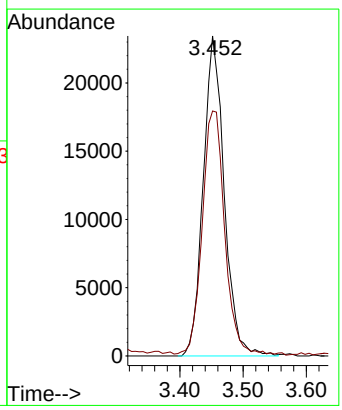


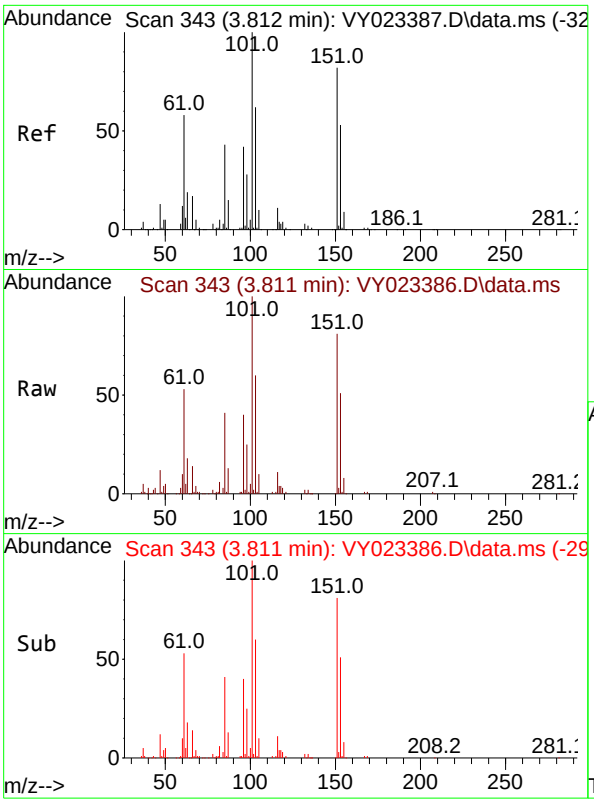


#8
Diethyl Ether
Concen: 19.837 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 74 Resp: 54124

Ion	Ratio	Lower	Upper
74	100		
45	80.6	39.9	119.7

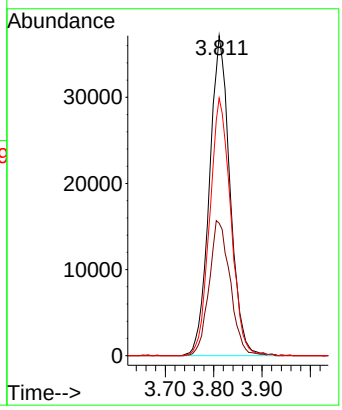




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.718 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:101 Resp: 10993

Ion	Ratio	Lower	Upper
101	100		
85	43.1	34.6	51.8
151	82.2	67.0	100.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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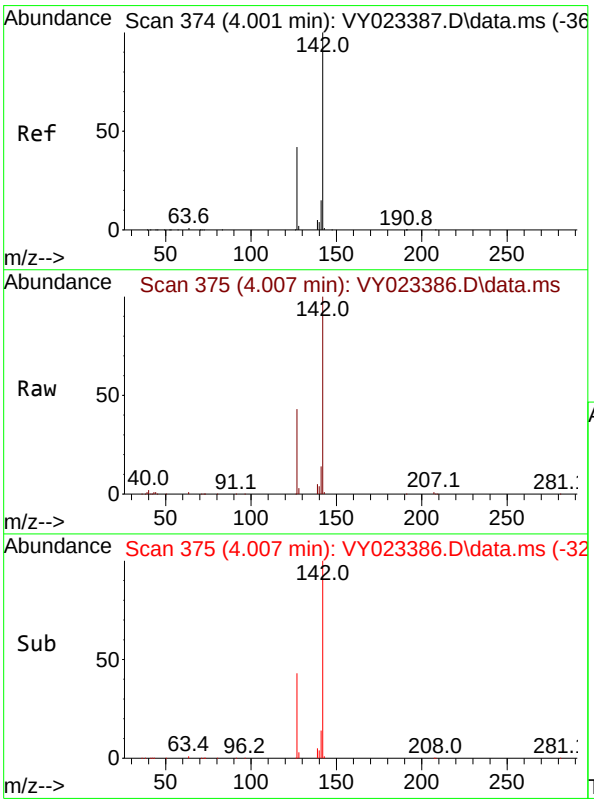
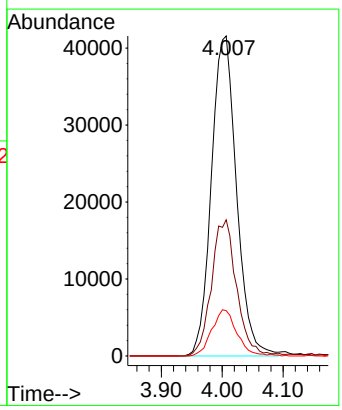
Supervised By :Mahesh Dadoda 10/10/2025

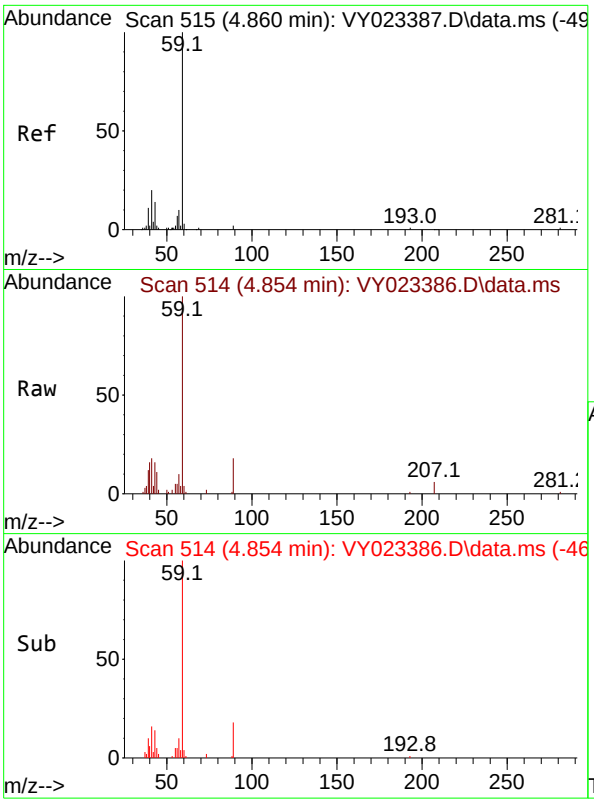


#10
Methyl Iodide
Concen: 18.482 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:142 Resp: 119083

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.8	52.2
141	14.5	11.6	17.4

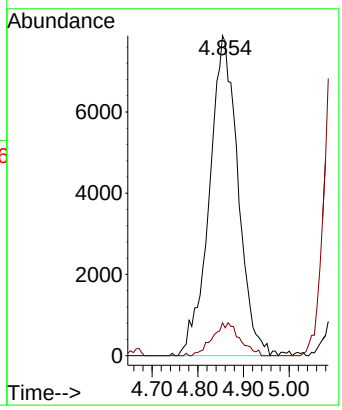




#11
Tert butyl alcohol
Concen: 117.345 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 59 Resp: 3434

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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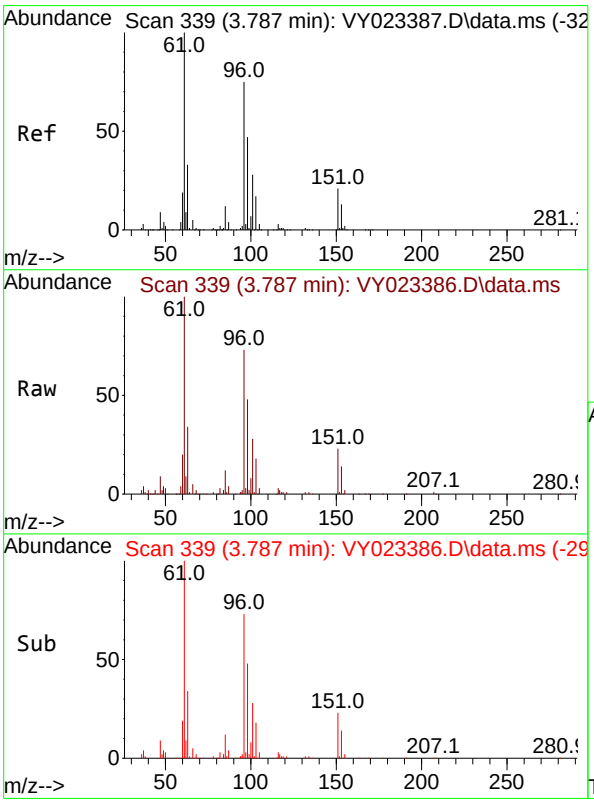
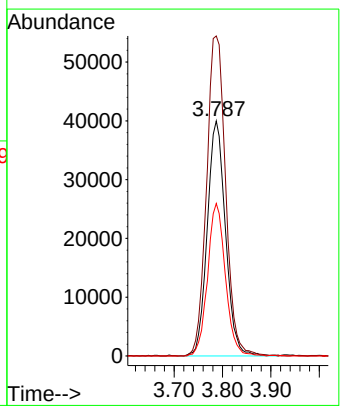
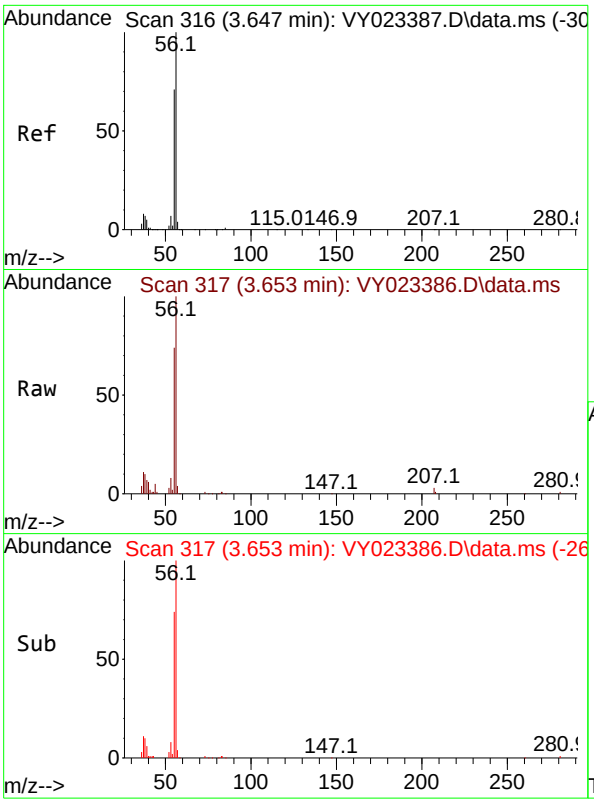


#12
1,1-Dichloroethene
Concen: 19.531 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 96 Resp: 104778

Ion	Ratio	Lower	Upper
96	100		
61	136.2	106.7	160.1
98	64.9	50.2	75.4

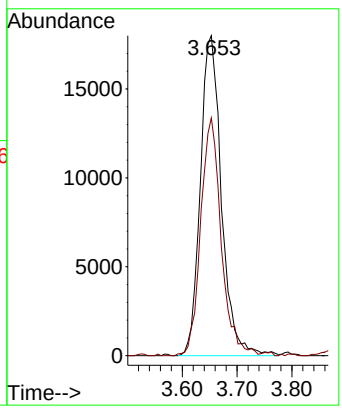




#13
Acrolein
Concen: 97.023 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 56 Resp: 4811

Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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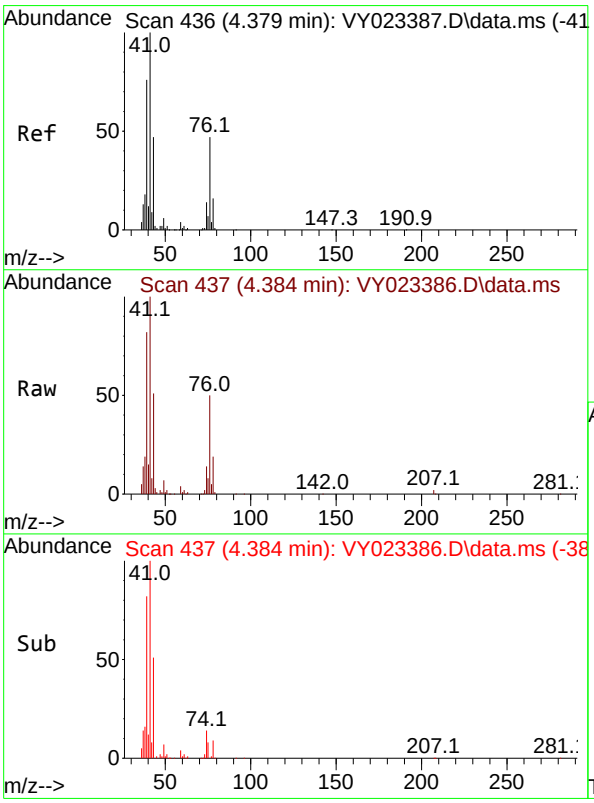
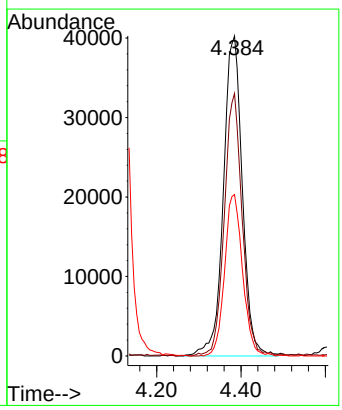
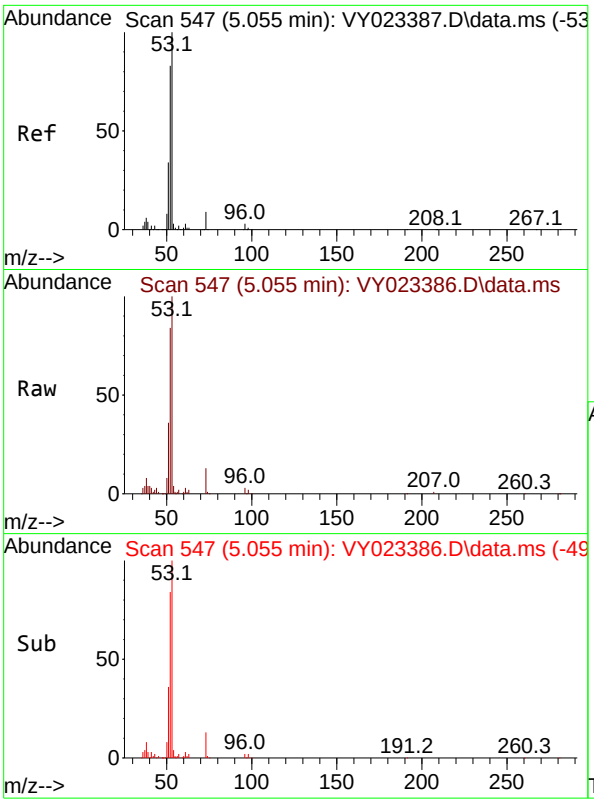


#14
Allyl chloride
Concen: 18.674 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 41 Resp: 125424

Ion	Ratio	Lower	Upper
41	100		
39	77.6	59.9	89.9
76	47.9	38.0	57.0





#15
Acrylonitrile
Concen: 92.641 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 53 Resp: 9901

Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.6	97.0
51	36.6	29.5	44.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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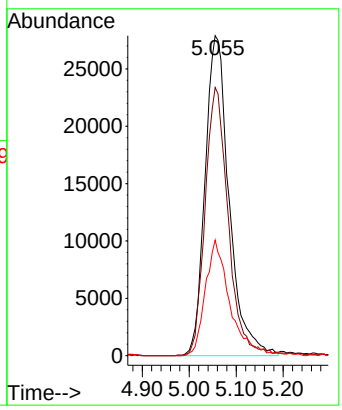
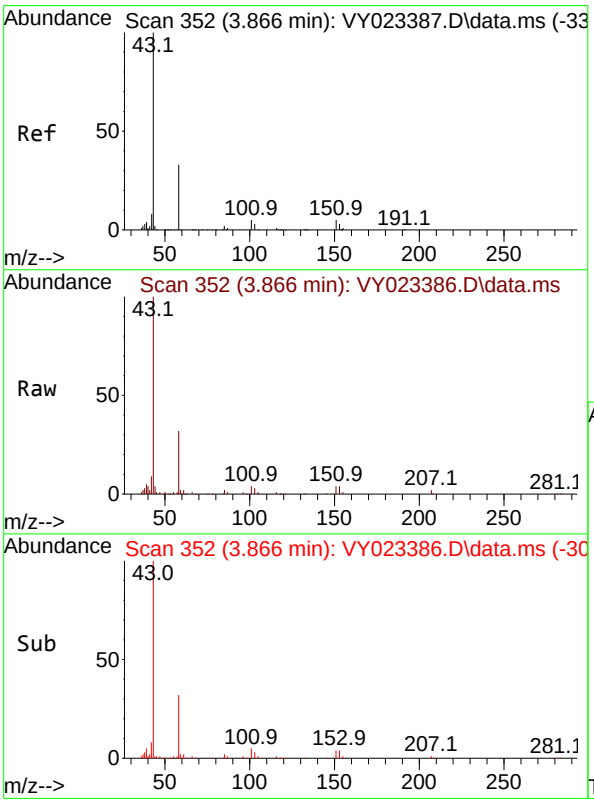
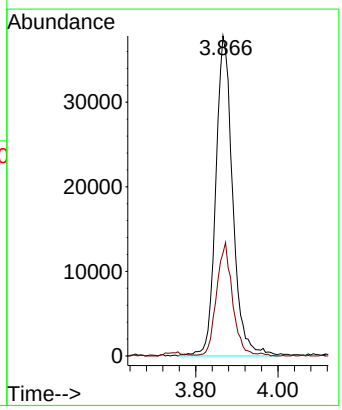


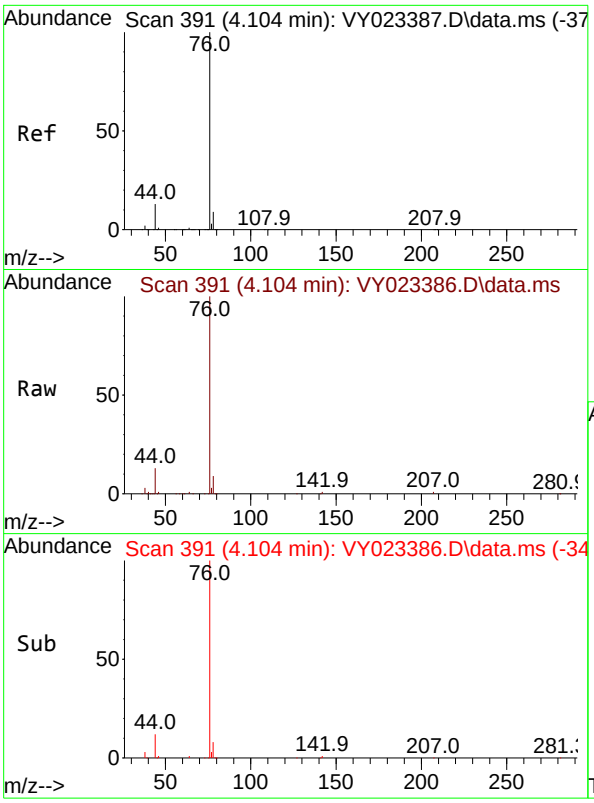


#16
Acetone
Concen: 96.742 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 108209

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.7	41.5

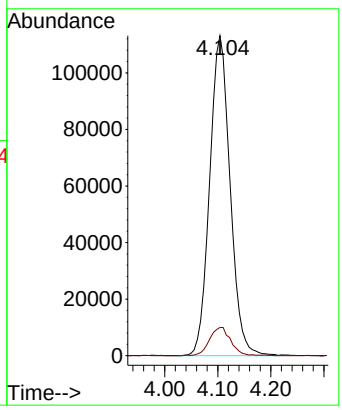




#17
Carbon Disulfide
Concen: 18.121 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 76 Resp: 30328

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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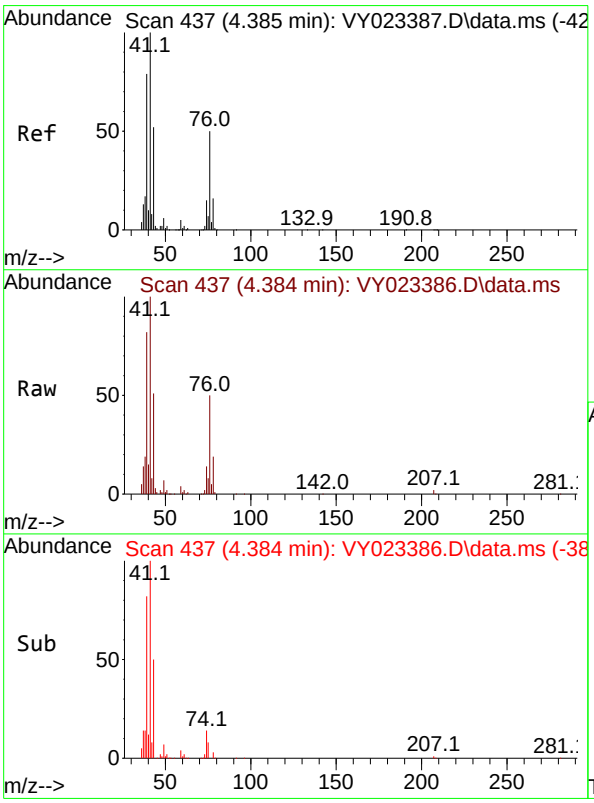
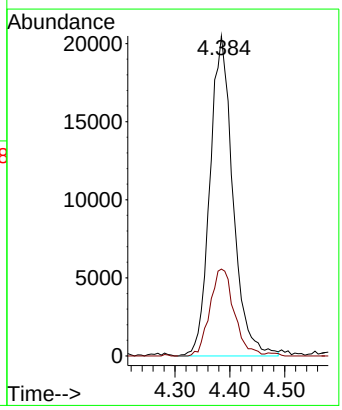
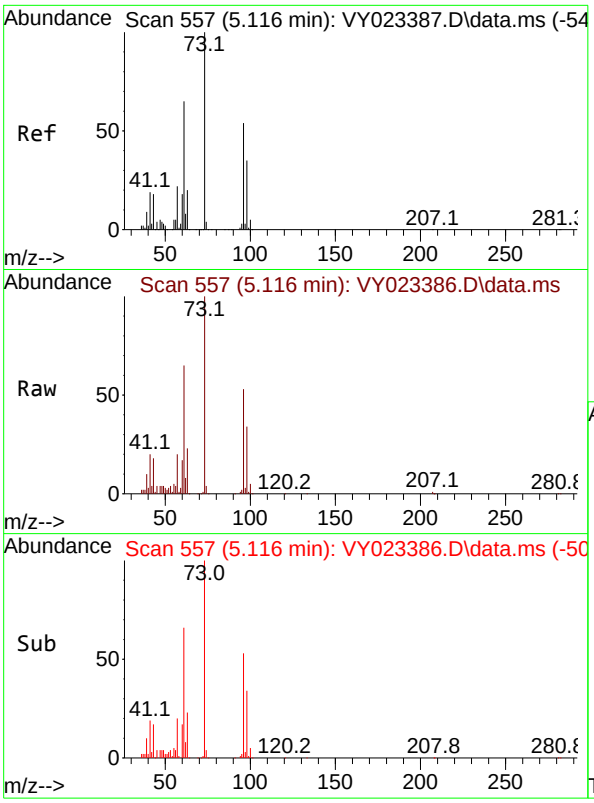


#18
Methyl Acetate
Concen: 21.002 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 59704

Ion	Ratio	Lower	Upper
43	100		
74	28.7	24.2	36.4

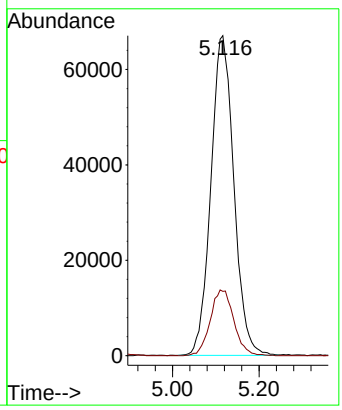




#19
Methyl tert-butyl Ether
Concen: 19.667 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 73 Resp: 24703

Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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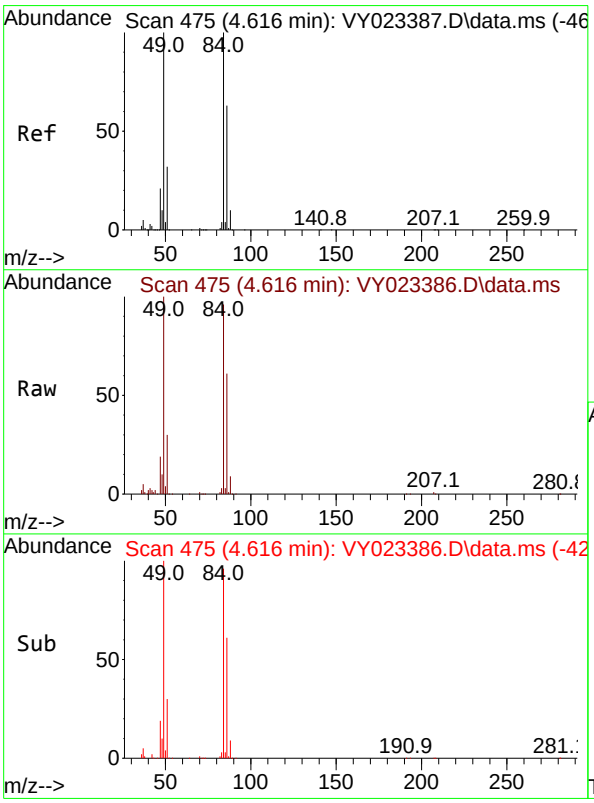
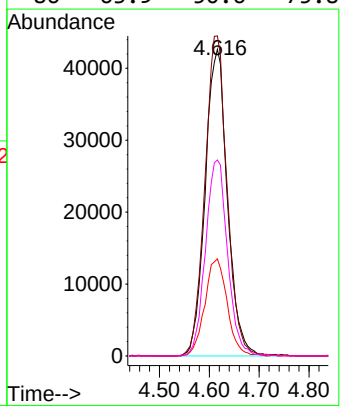
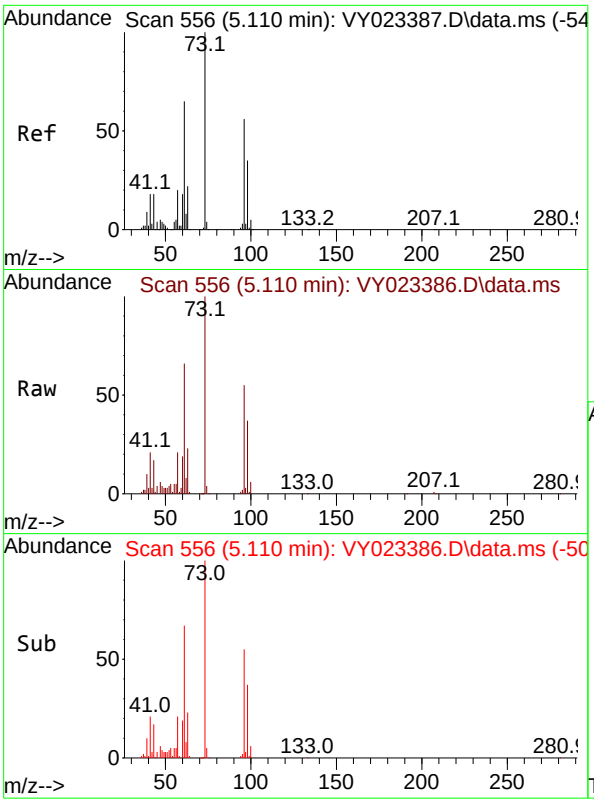


#20
Methylene Chloride
Concen: 21.801 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 84 Resp: 132229

Ion	Ratio	Lower	Upper
84	100		
49	104.2	80.2	120.4
51	31.7	25.9	38.9
86	63.9	50.6	75.8

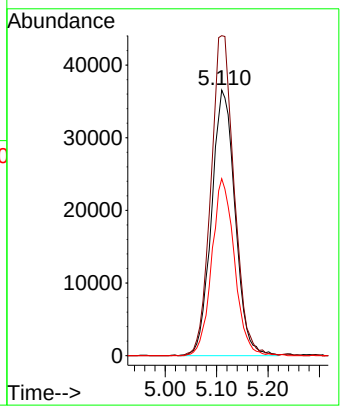




#21
trans-1,2-Dichloroethene
Concen: 19.512 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 96 Resp: 11641

Ion	Ratio	Lower	Upper
96	100		
61	120.5	92.7	139.1
98	66.7	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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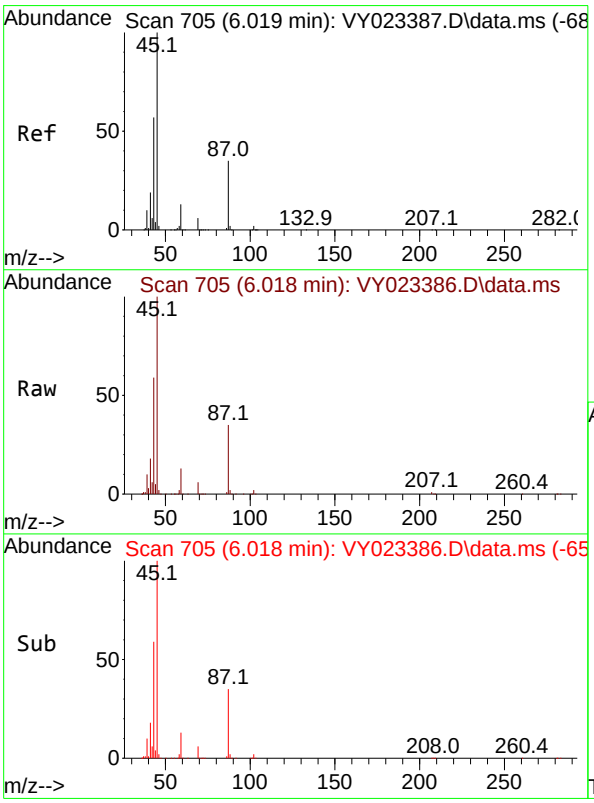
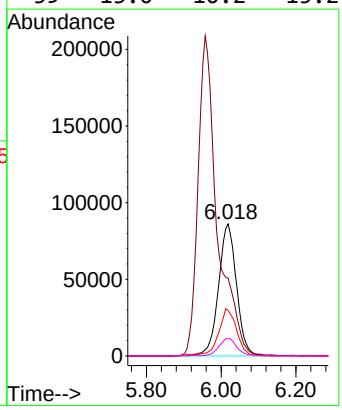
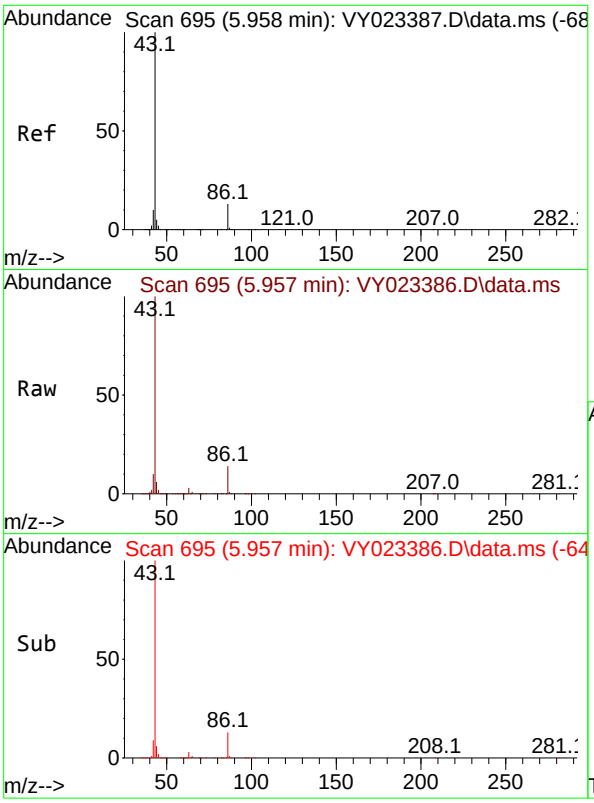


#22
Diisopropyl ether
Concen: 19.366 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 45 Resp: 288429

Ion	Ratio	Lower	Upper
45	100		
43	58.8	45.6	68.4
87	34.5	28.1	42.1
59	13.0	10.2	15.2

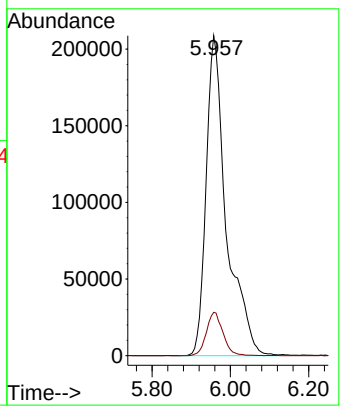




#23
Vinyl Acetate
Concen: 91.373 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 74804

Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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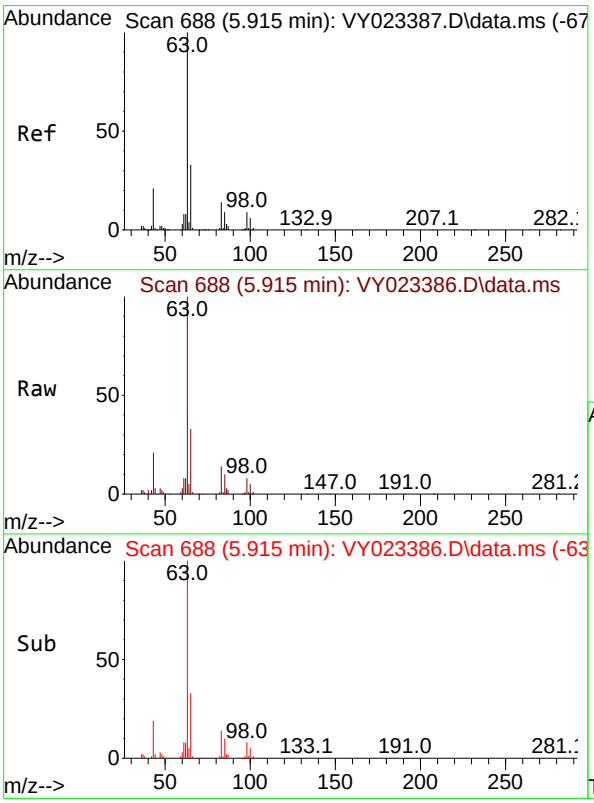
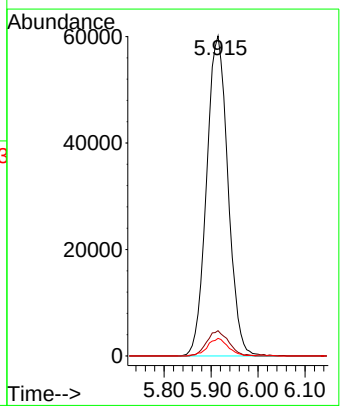
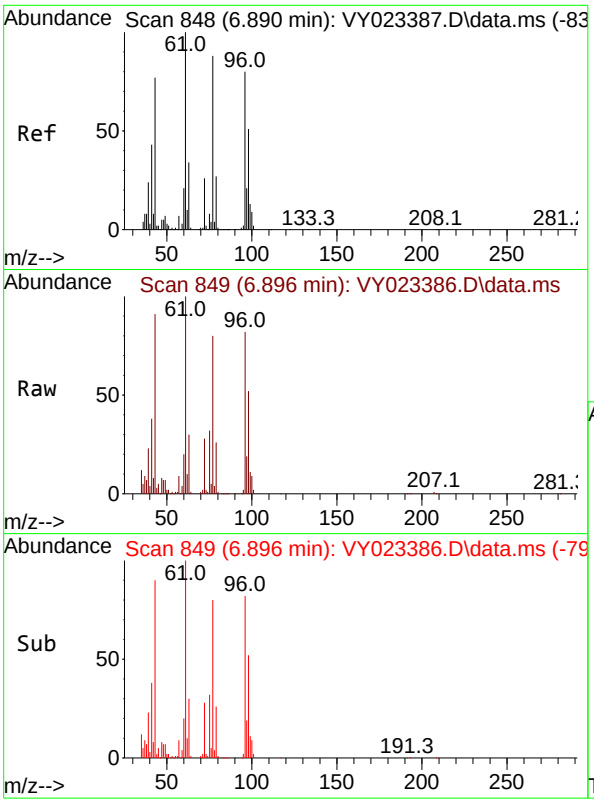


#24
1,1-Dichloroethane
Concen: 19.354 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 190012

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.3	13.1
100	5.5	2.8	8.4





#25
2-Butanone
Concen: 95.593 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 13215

Ion	Ratio	Lower	Upper
43	100		
72	30.5	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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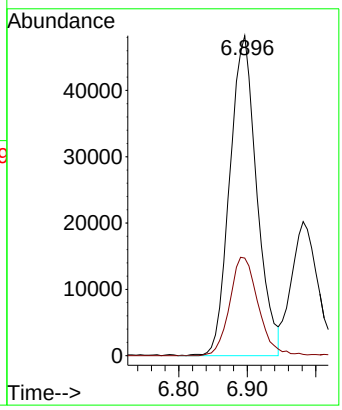
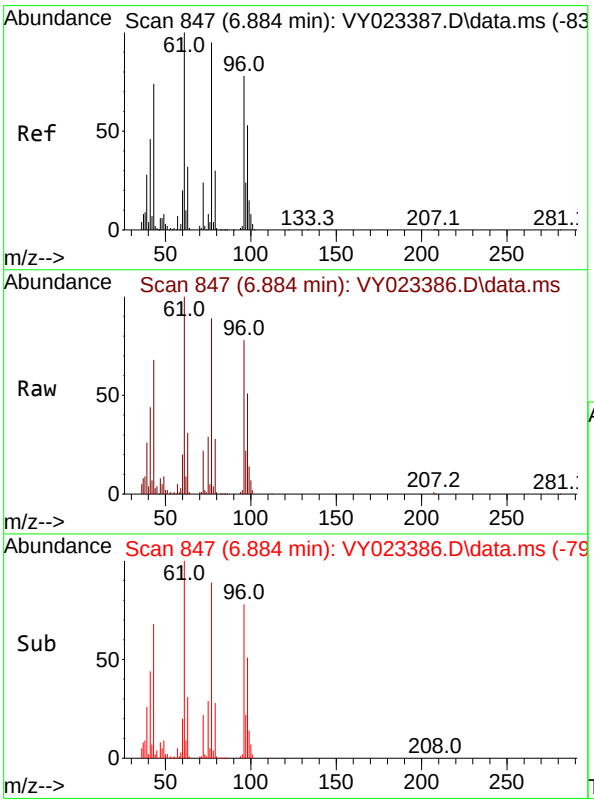
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

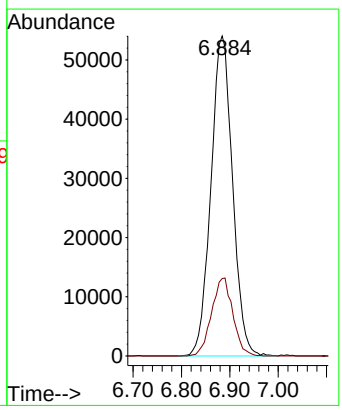


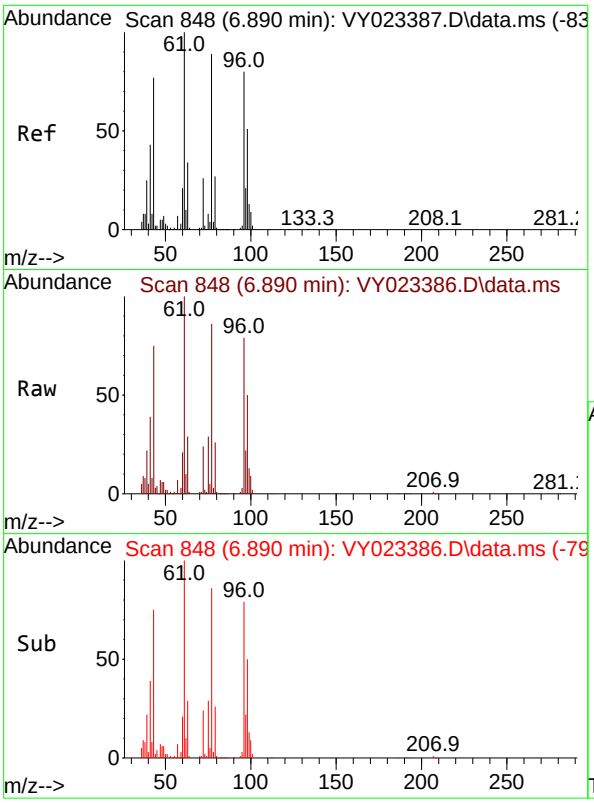


#26
2,2-Dichloropropane
Concen: 19.247 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 77 Resp: 167903

Ion	Ratio	Lower	Upper
77	100		
97	23.9	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 19.747 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 96 Resp: 13363

Ion	Ratio	Lower	Upper
96	100		
61	128.1	0.0	258.2
98	65.3	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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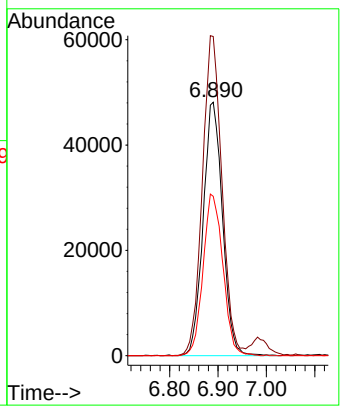
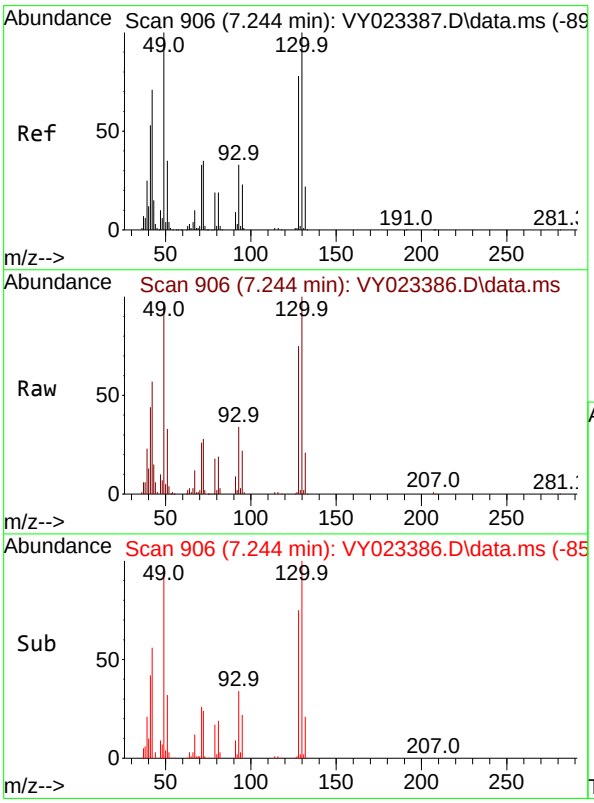
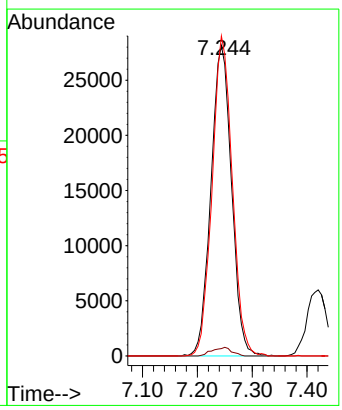


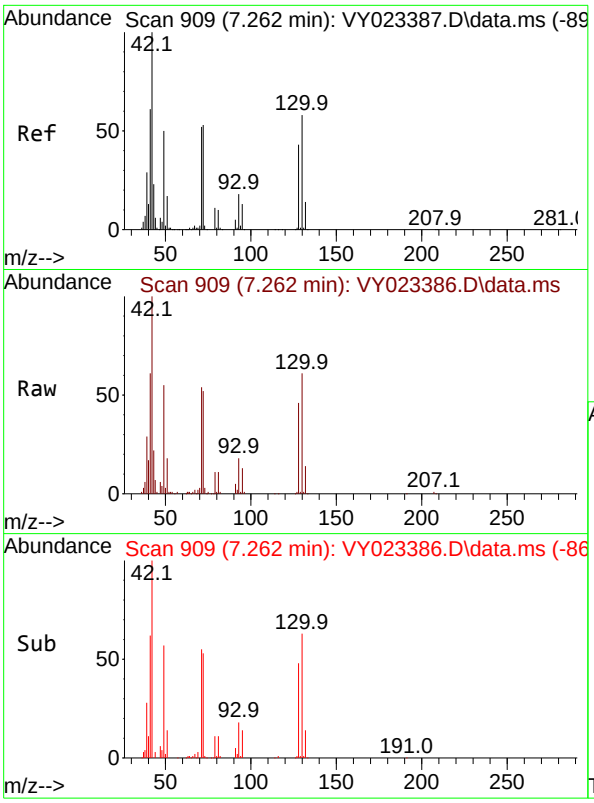


#28
Bromochloromethane
Concen: 19.273 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 49 Resp: 73407

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	100.8	81.9	122.9

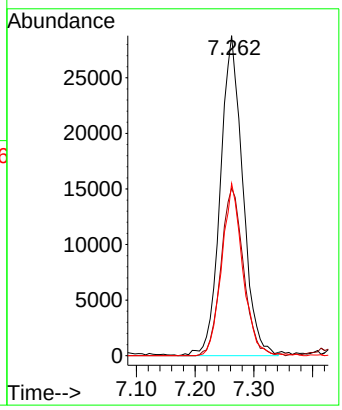




#29
Tetrahydrofuran
Concen: 93.229 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 42 Resp: 7650

Ion	Ratio	Lower	Upper
42	100		
72	52.7	43.0	64.6
71	50.6	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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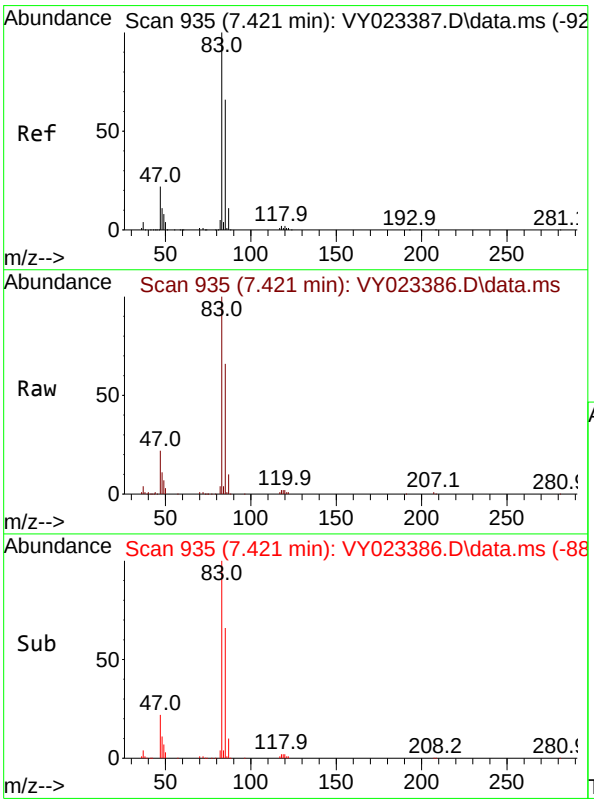
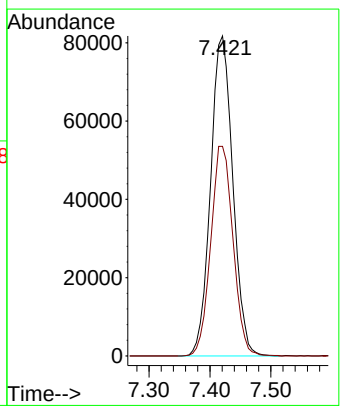
Supervised By :Mahesh Dadoda 10/10/2025

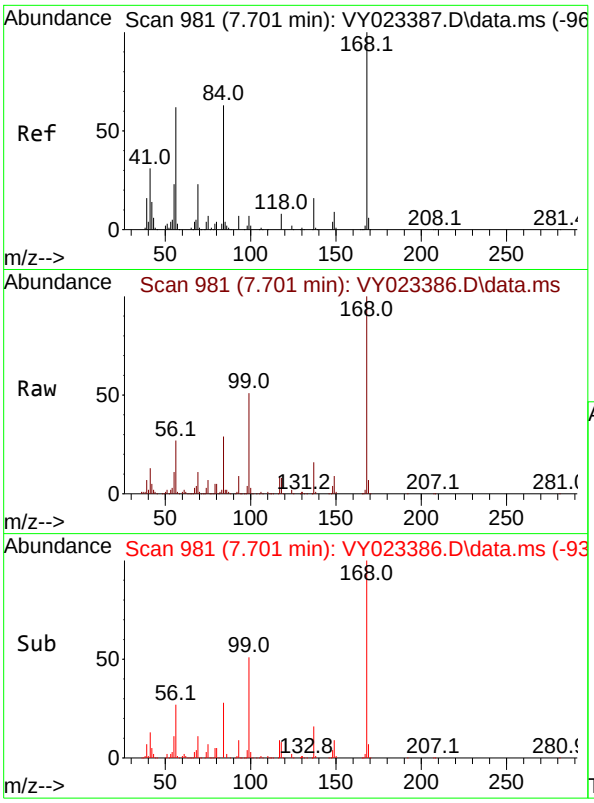


#30
Chloroform
Concen: 19.562 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 207096

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7

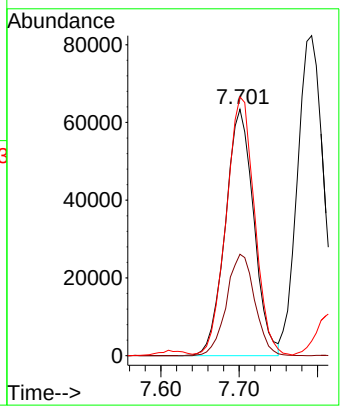




#31
Cyclohexane
Concen: 18.472 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 56 Resp: 16015

Ion	Ratio	Lower	Upper
56	100		
69	41.2	30.0	45.0
84	103.3	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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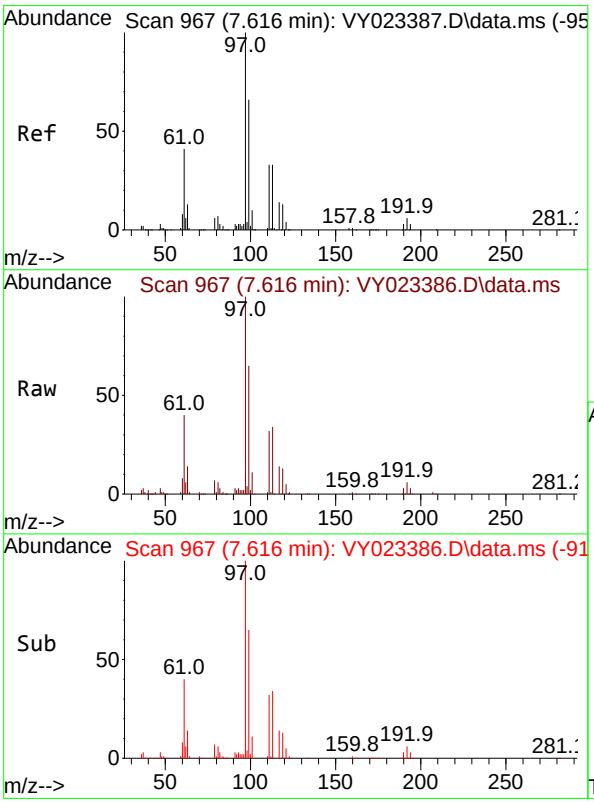
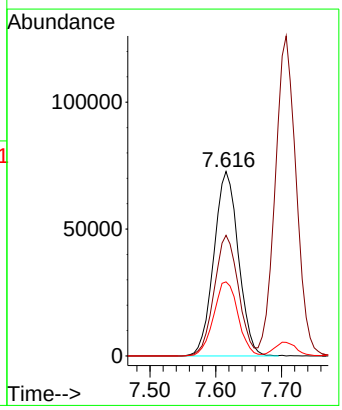
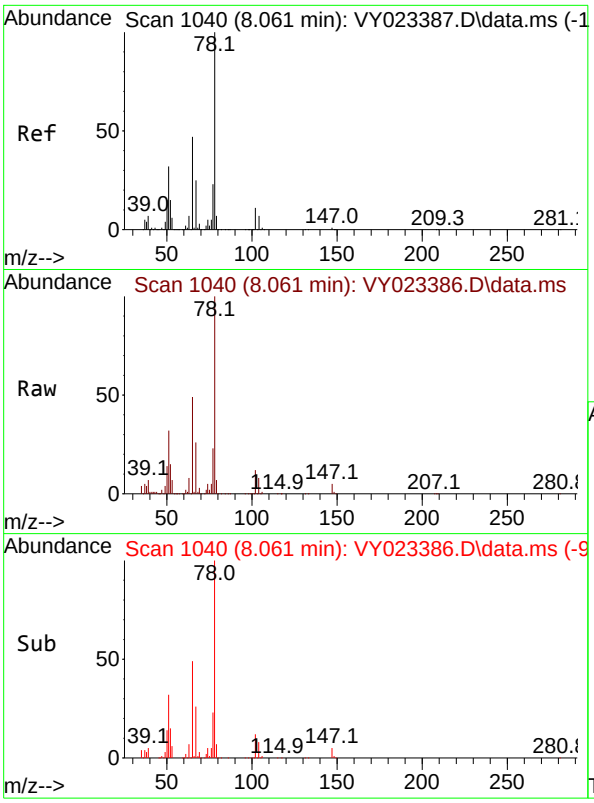


#32
1,1,1-Trichloroethane
Concen: 19.873 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 97 Resp: 188861

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	40.1	31.9	47.9

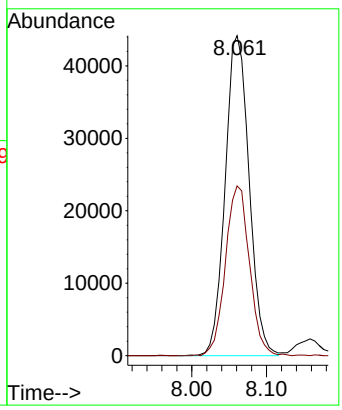




#33
1,2-Dichloroethane-d4
Concen: 19.798 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 65 Resp: 9848

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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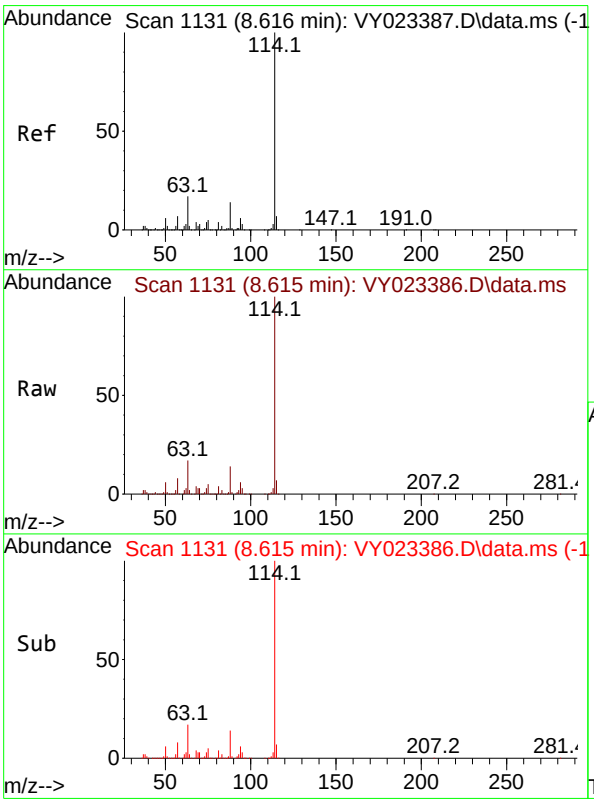
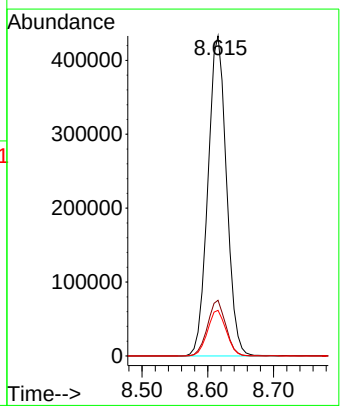
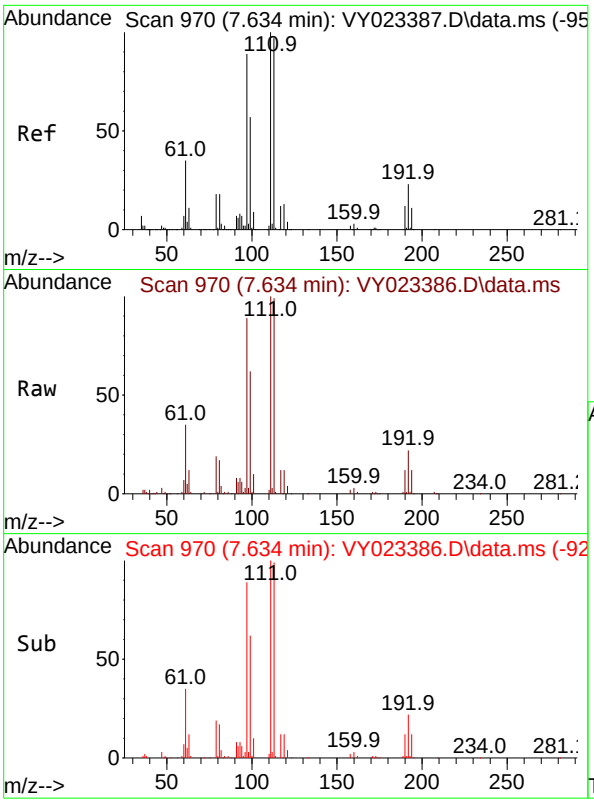


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:114 Resp: 851961

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	34.2
88	14.3	0.0	28.4





#35
Dibromofluoromethane
Concen: 20.895 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:113 Resp: 10803

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.6
192	22.3	18.0	27.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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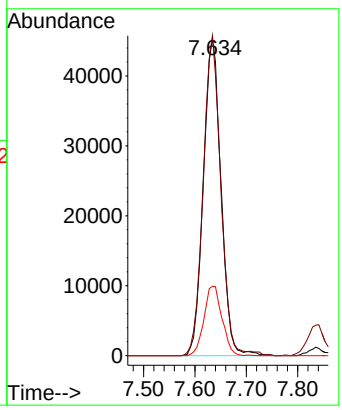
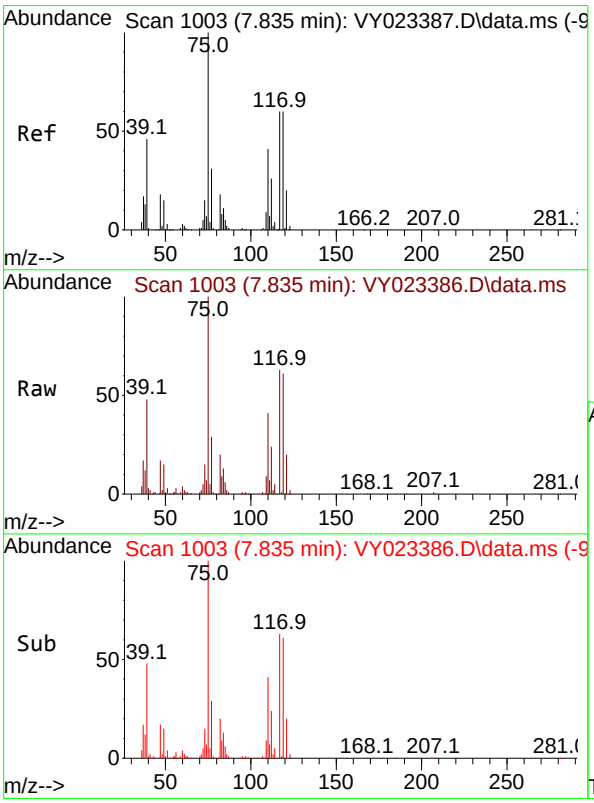
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

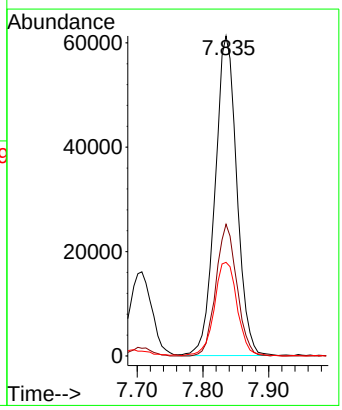


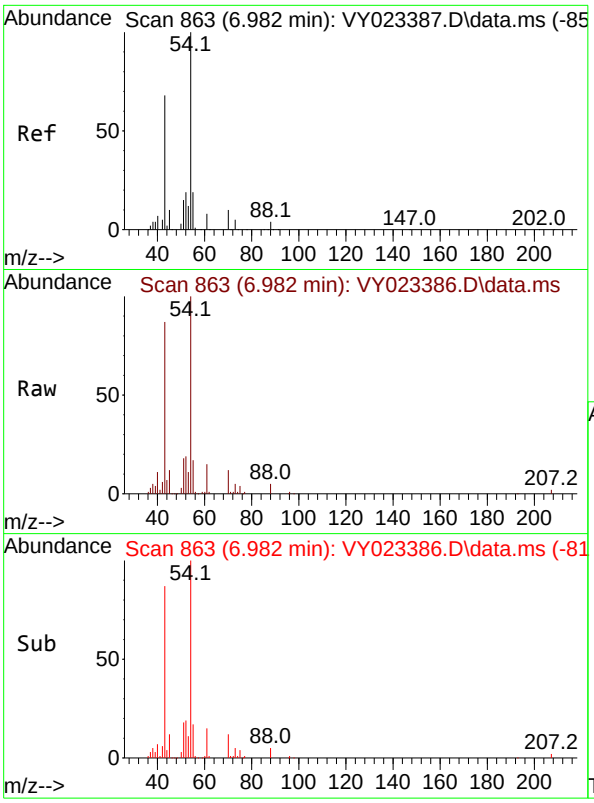


#36
1,1-Dichloropropene
Concen: 19.317 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 140912

Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.9	59.7
77	31.0	25.0	37.6

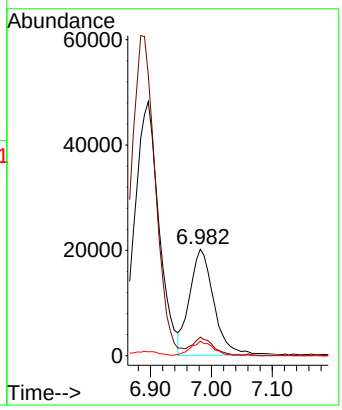




#37
Ethyl Acetate
Concen: 19.315 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 5570

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.8
70	12.7	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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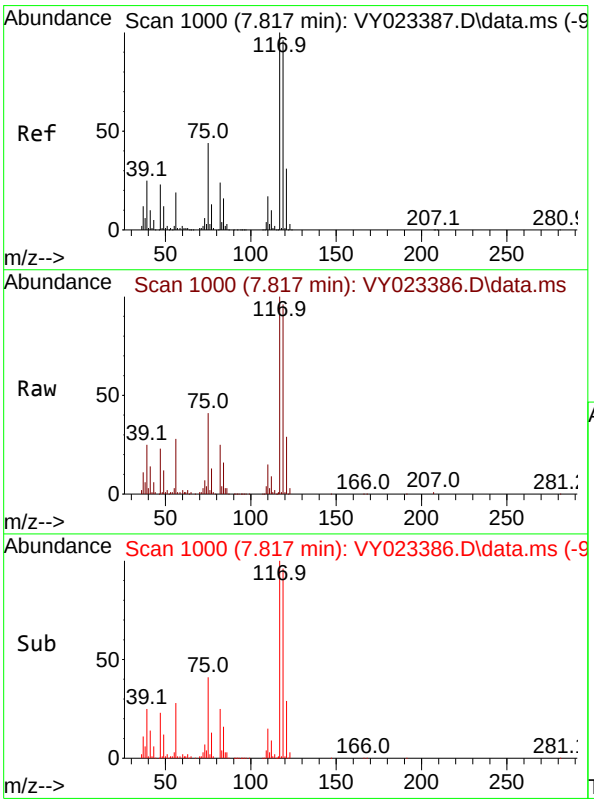
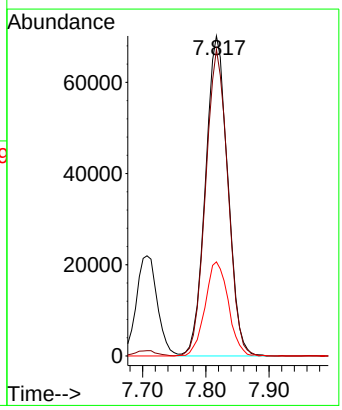
Supervised By :Mahesh Dadoda 10/10/2025

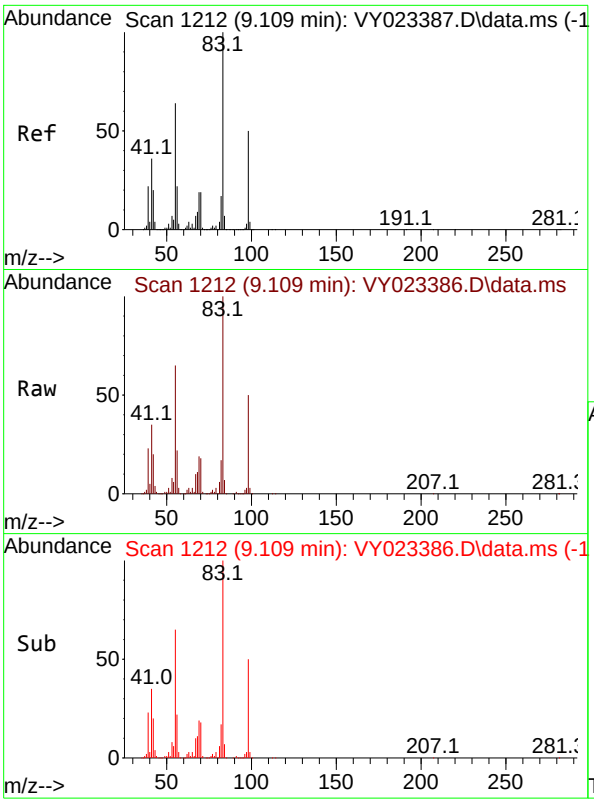


#38
Carbon Tetrachloride
Concen: 20.289 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:117 Resp: 171925

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.8	115.2
121	29.4	24.5	36.7

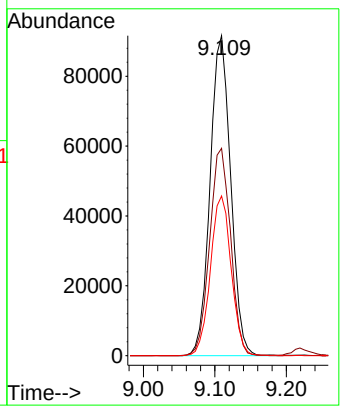




#39
Methylcyclohexane
Concen: 19.576 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 18283

Ion	Ratio	Lower	Upper
83	100		
55	64.8	51.4	77.2
98	49.9	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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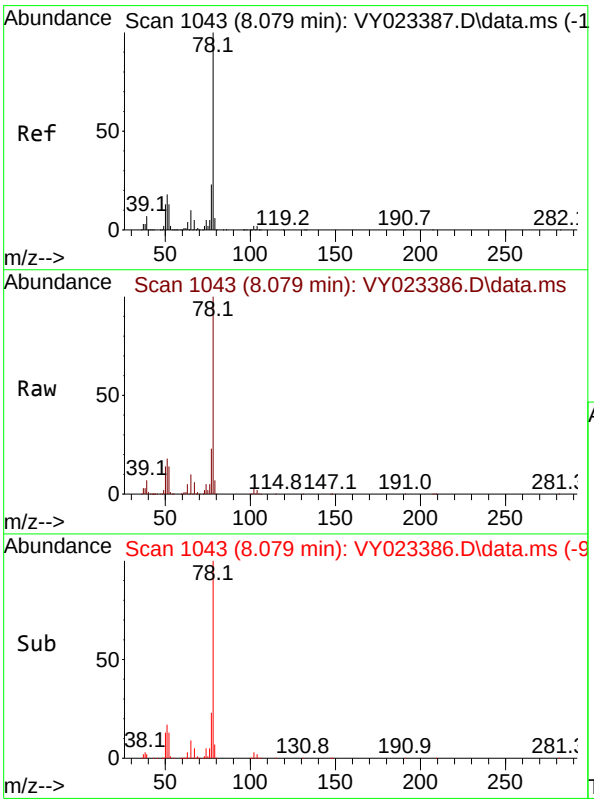
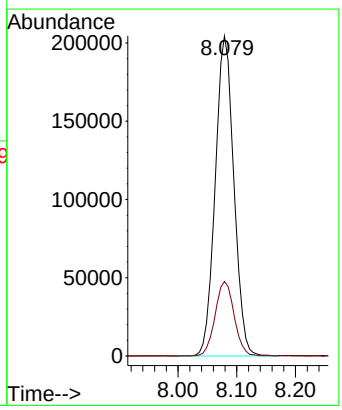
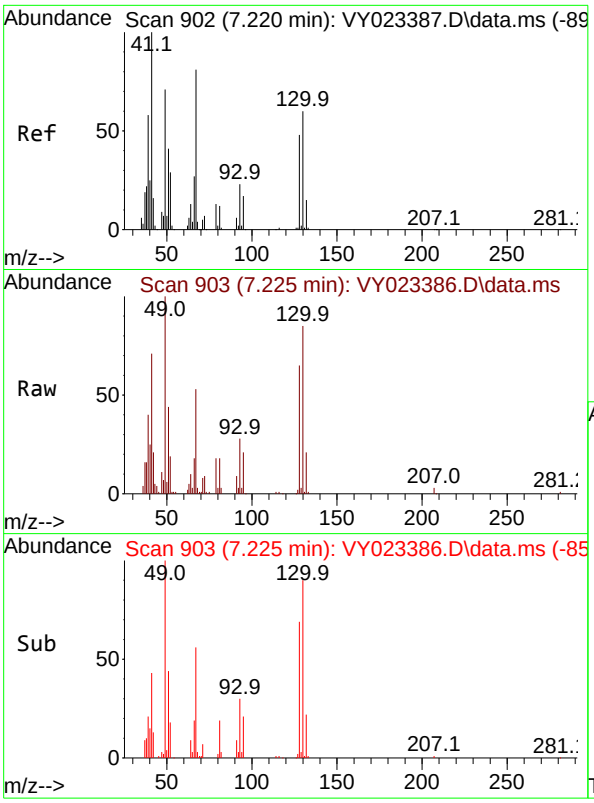


#40
Benzene
Concen: 19.809 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 78 Resp: 450471

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5

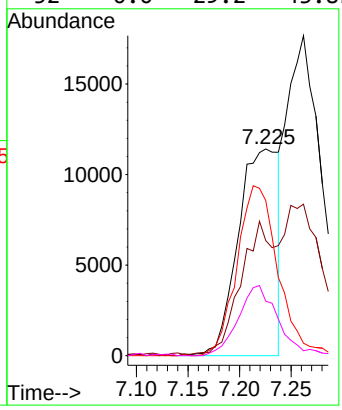




#41
Methacrylonitrile
Concen: 20.783 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 41 Resp: 3112

Ion	Ratio	Lower	Upper
41	100		
39	68.6	52.2	78.4
67	0.0	74.9	112.3#
52	0.0	29.2	43.8#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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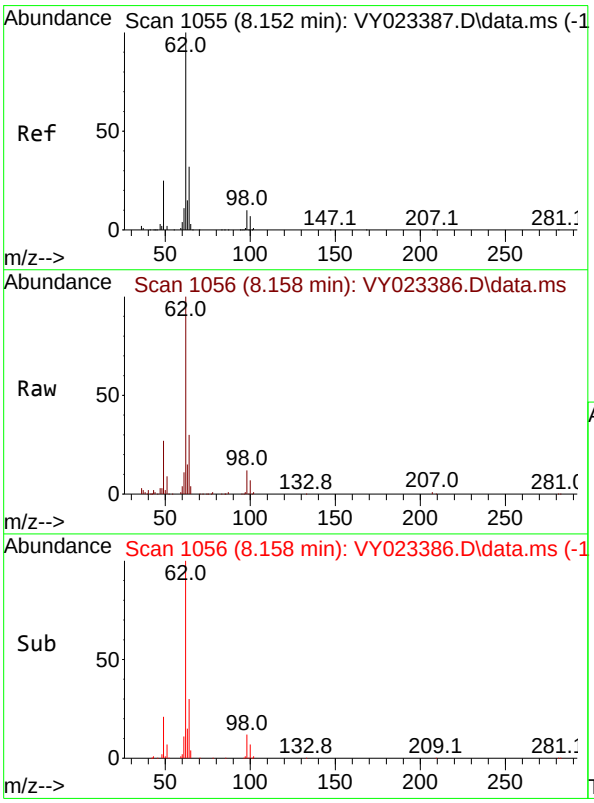
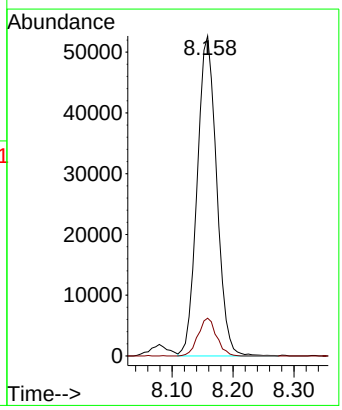
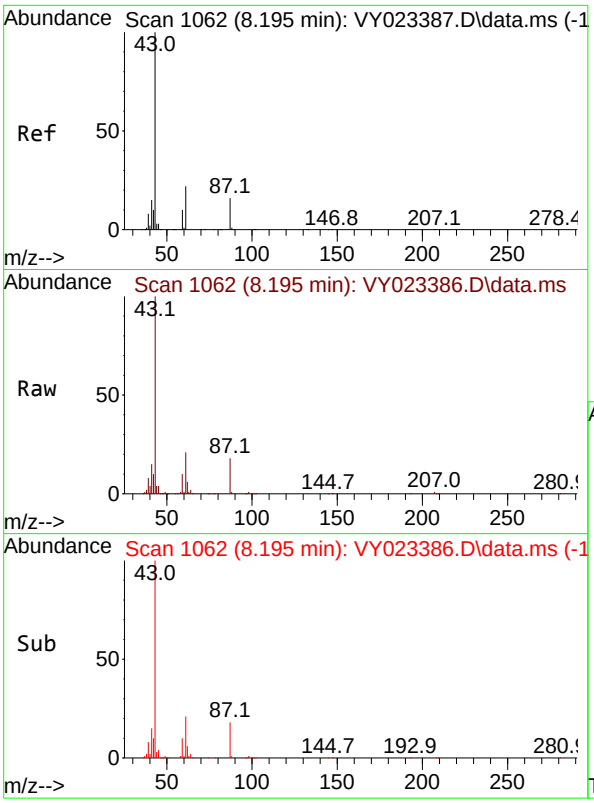


#42
1,2-Dichloroethane
Concen: 20.206 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 116941

Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.6

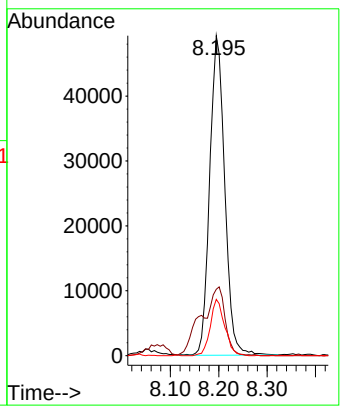




#43
Isopropyl Acetate
Concen: 19.002 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 10659

Ion	Ratio	Lower	Upper
43	100		
61	33.1	18.1	27.1
87	16.9	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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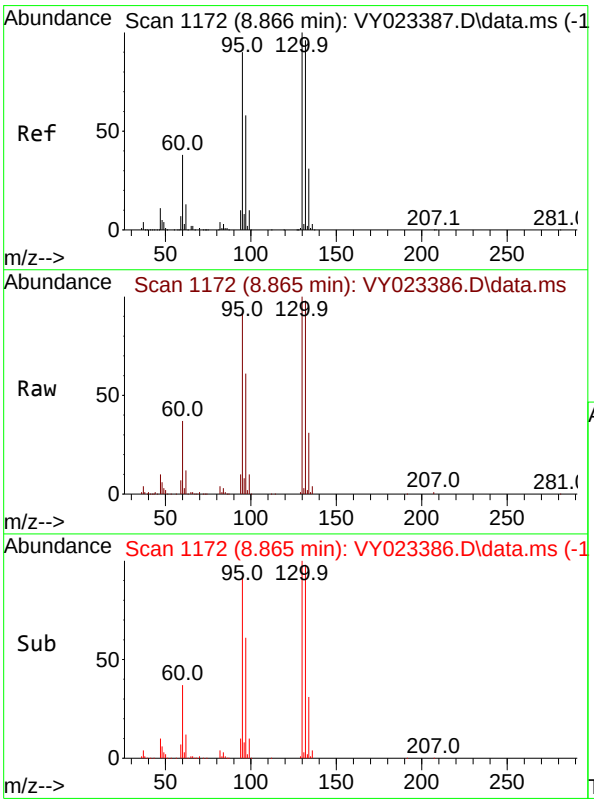
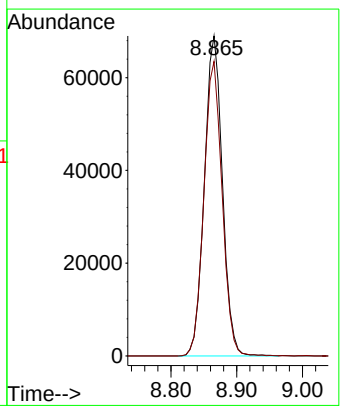
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

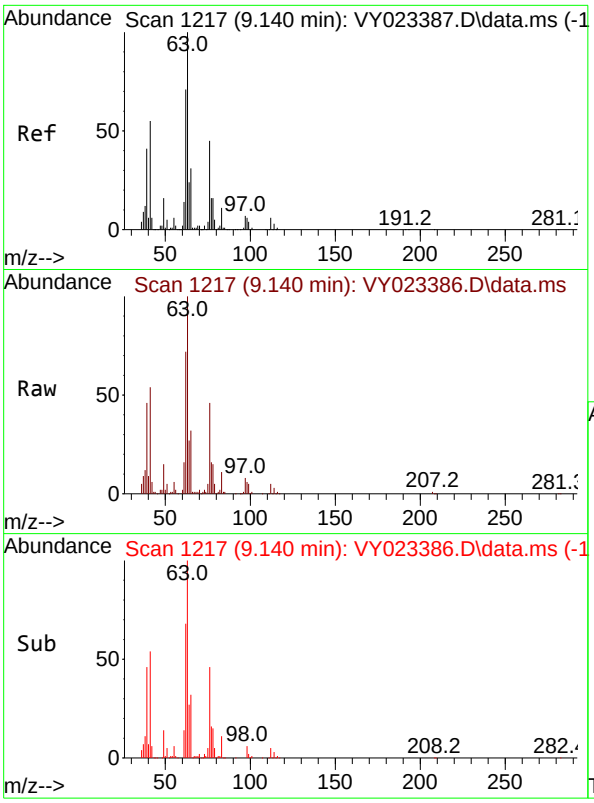


#44
Trichloroethene
Concen: 20.598 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:130 Resp: 131459

Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	180.6

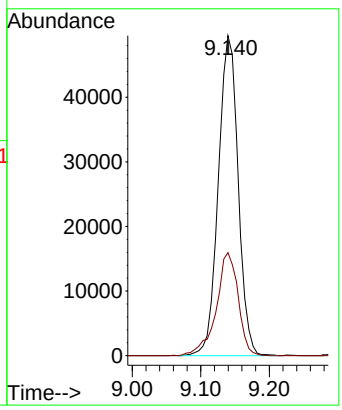




#45
1,2-Dichloropropane
Concen: 19.417 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 9936

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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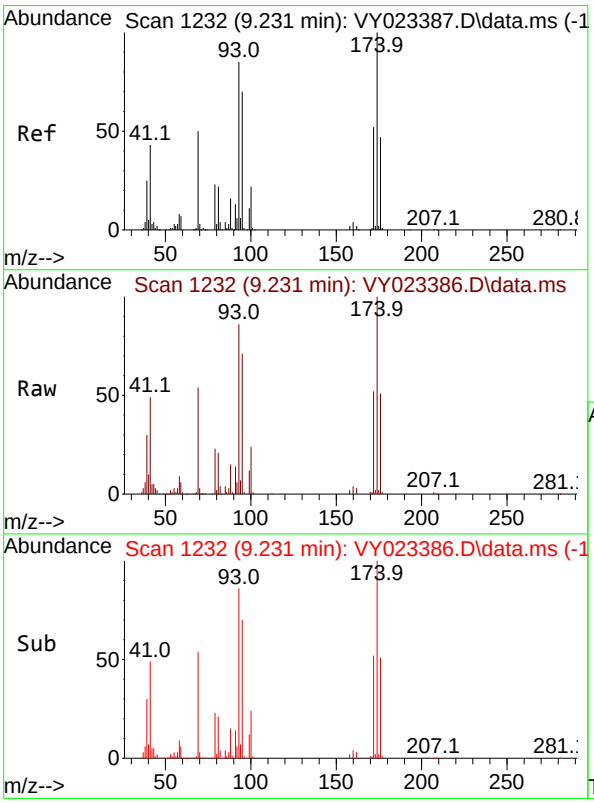
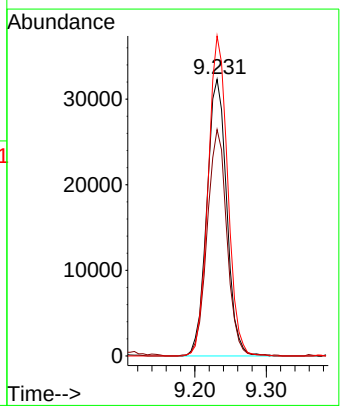
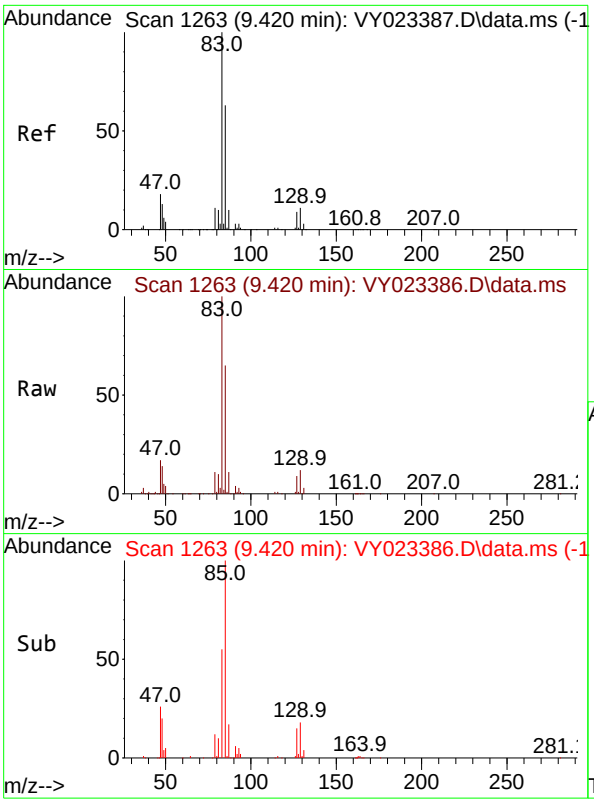


#46
Dibromomethane
Concen: 19.896 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 93 Resp: 62277

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.4	98.0
174	113.6	92.9	139.3

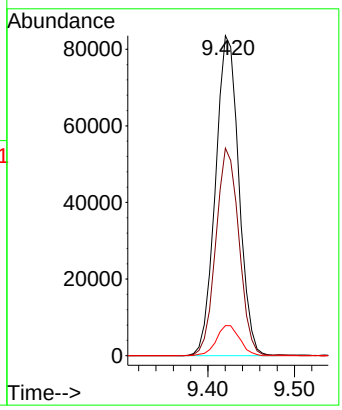




#47
Bromodichloromethane
Concen: 19.854 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 15642

Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.8	76.2
127	9.4	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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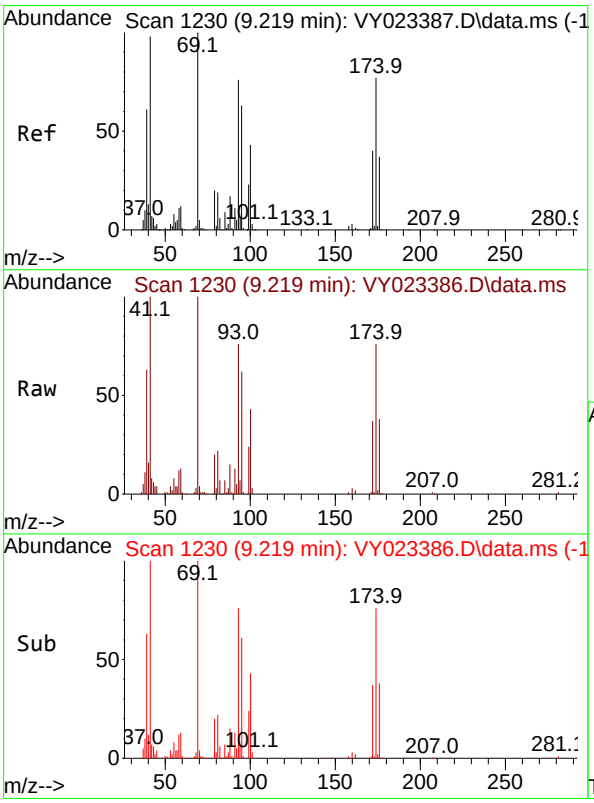
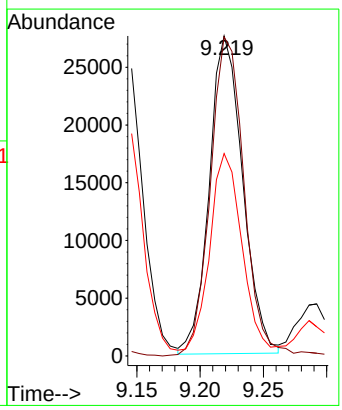
Supervised By :Mahesh Dadoda 10/10/2025

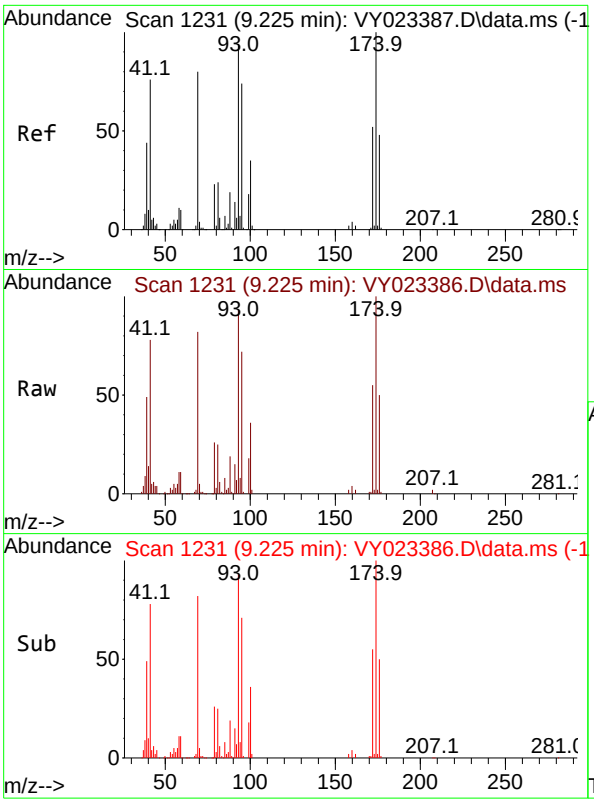


#48
Methyl methacrylate
Concen: 19.352 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 41 Resp: 50661

Ion	Ratio	Lower	Upper
41	100		
69	102.0	81.0	121.4
39	58.8	48.2	72.4

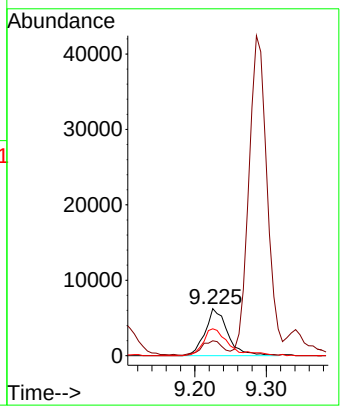




#49
1,4-Dioxane
Concen: 420.712 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 88 Resp: 1363

Ion	Ratio	Lower	Upper
88	100		
43	28.9	21.8	32.8
58	58.1	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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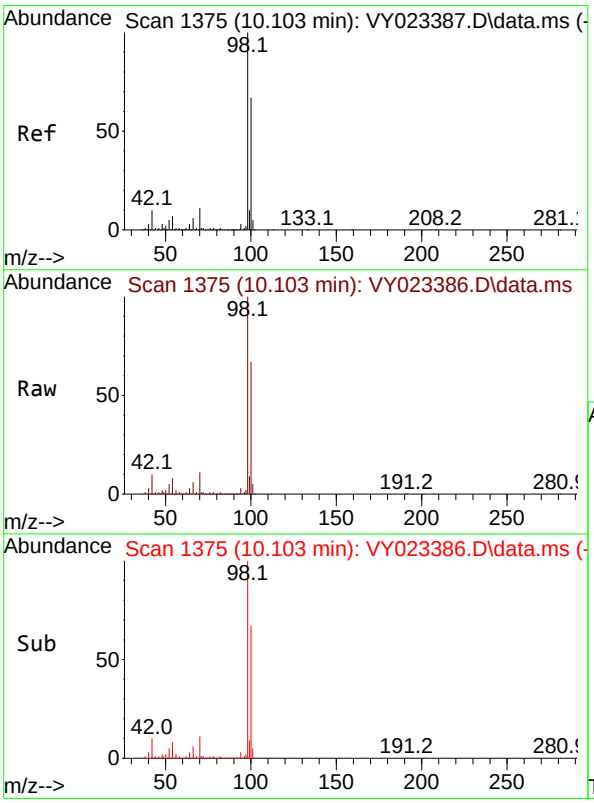
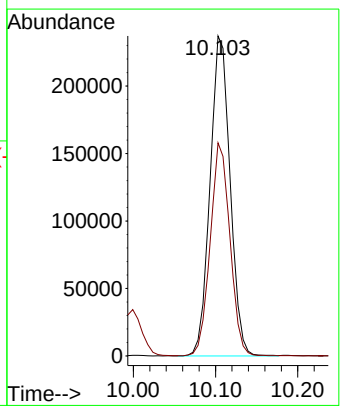
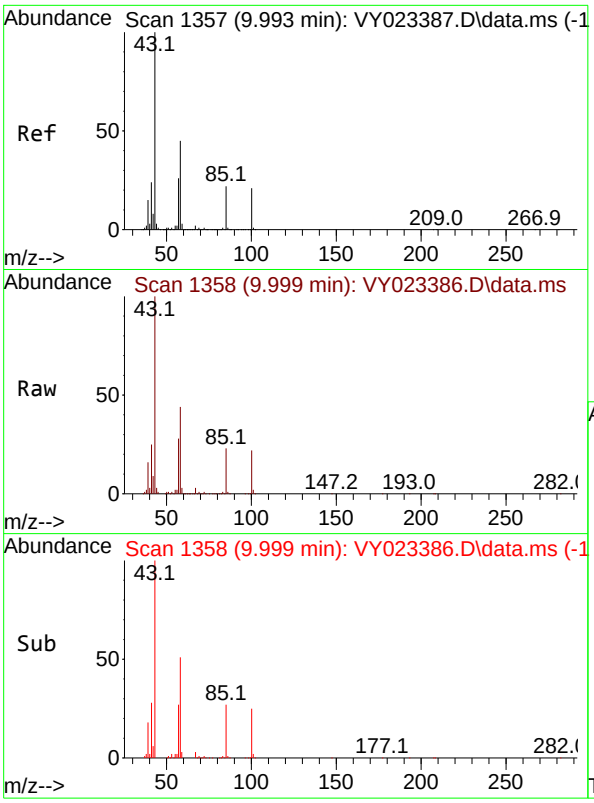


#50
Toluene-d8
Concen: 20.568 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 98 Resp: 401067

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

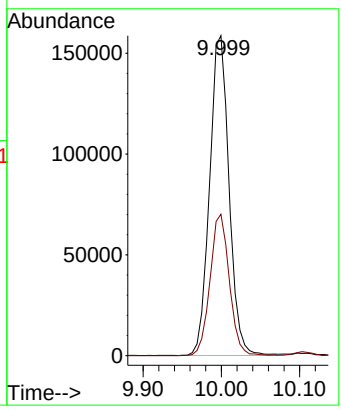




#51
4-Methyl-2-Pentanone
Concen: 95.378 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 27405

Ion	Ratio	Lower	Upper
43	100		
58	43.8	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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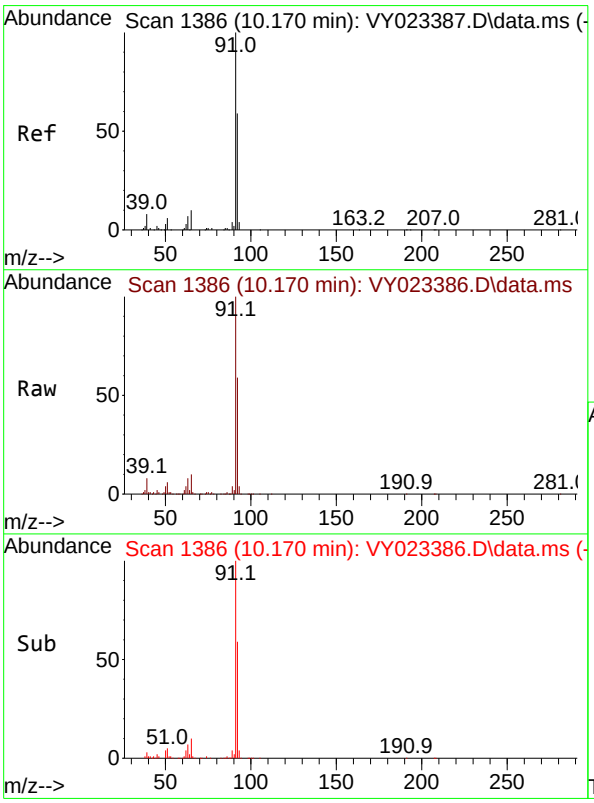
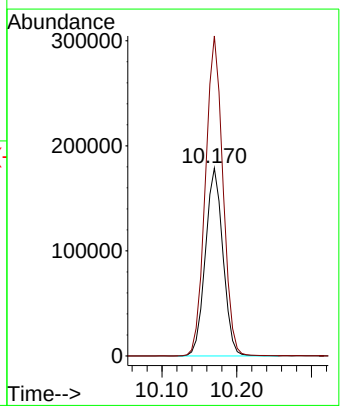
Supervised By :Mahesh Dadoda 10/10/2025

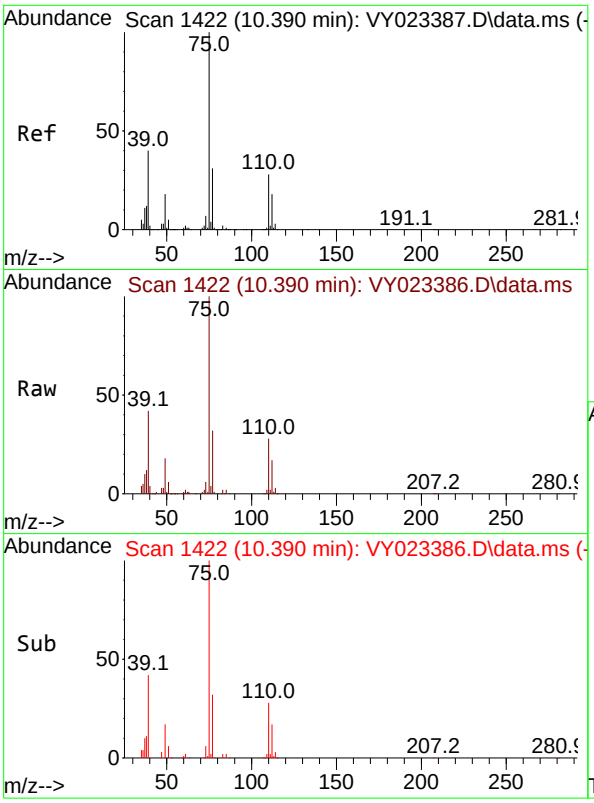


#52
Toluene
Concen: 20.191 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 92 Resp: 291453

Ion	Ratio	Lower	Upper
92	100		
91	170.0	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 19.632 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 13284

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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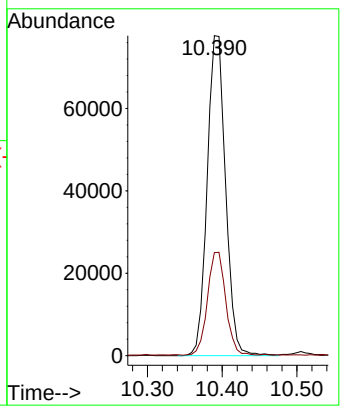
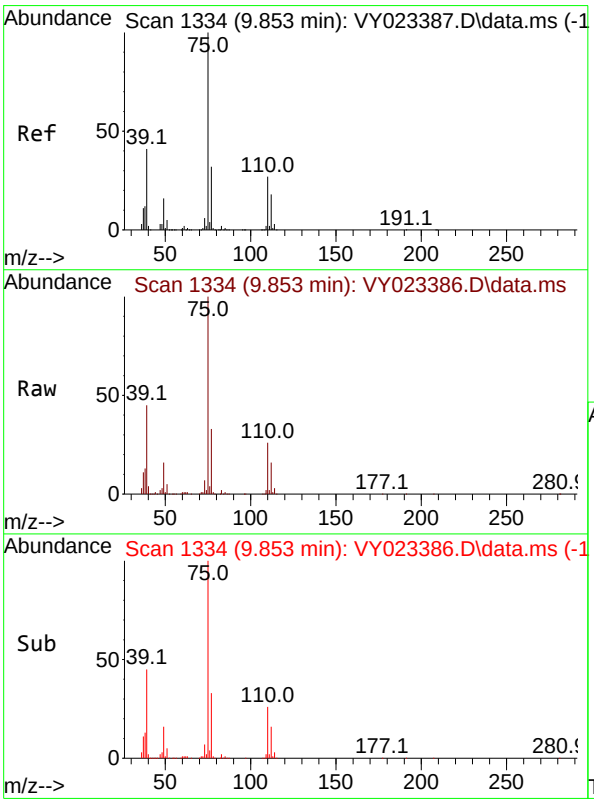
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

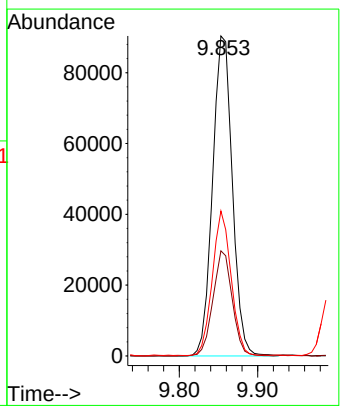


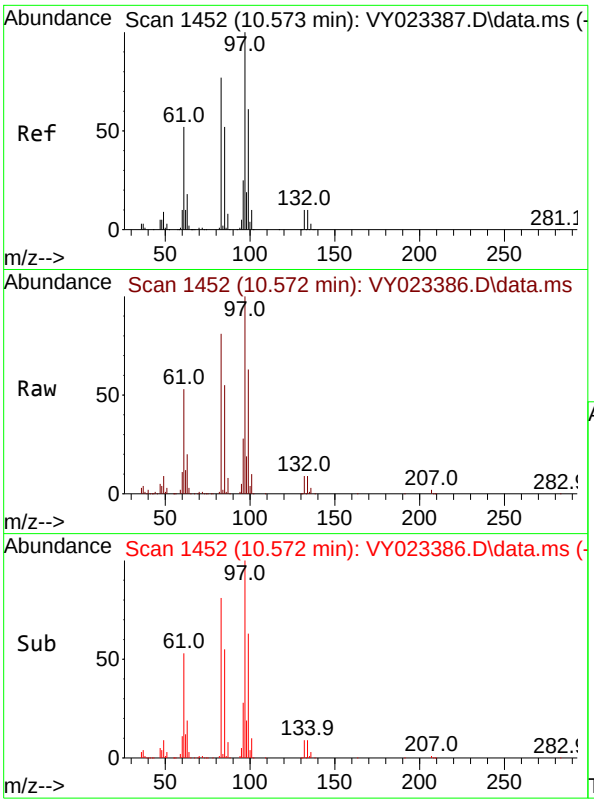


#54
cis-1,3-Dichloropropene
Concen: 19.606 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 158580

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0
39	45.1	32.8	49.2

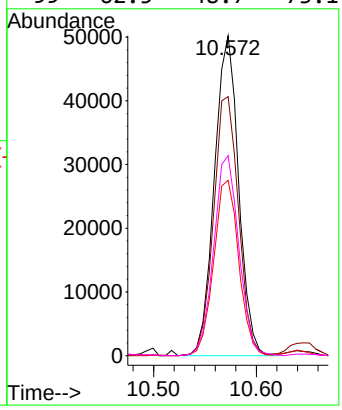




#55
1,1,2-Trichloroethane
Concen: 19.740 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 97 Resp: 8218

Ion	Ratio	Lower	Upper
97	100		
83	80.9	61.8	92.6
85	54.8	41.3	61.9
99	62.5	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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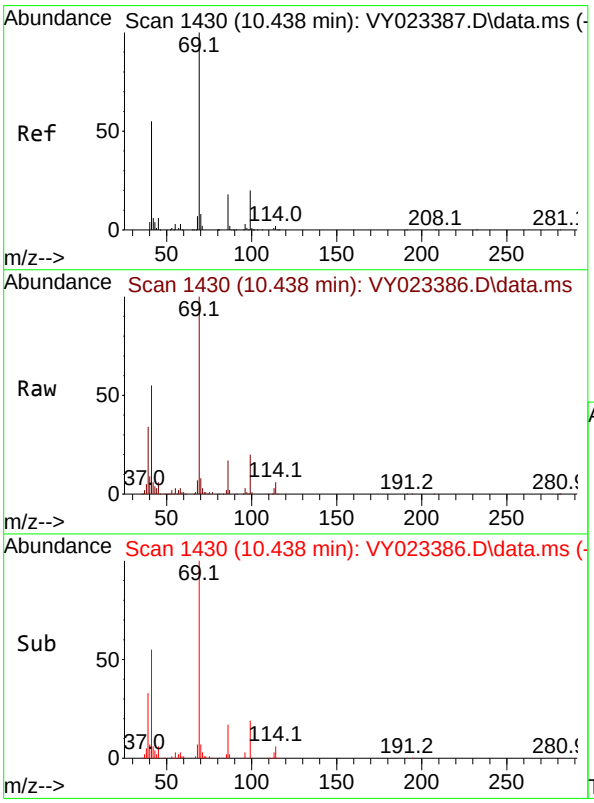
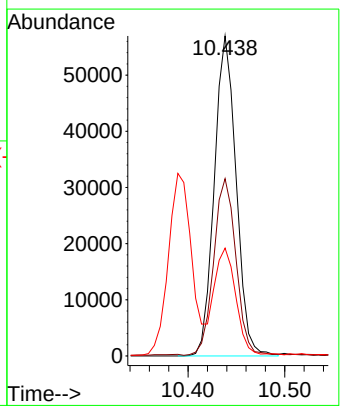
Supervised By :Mahesh Dadoda 10/10/2025

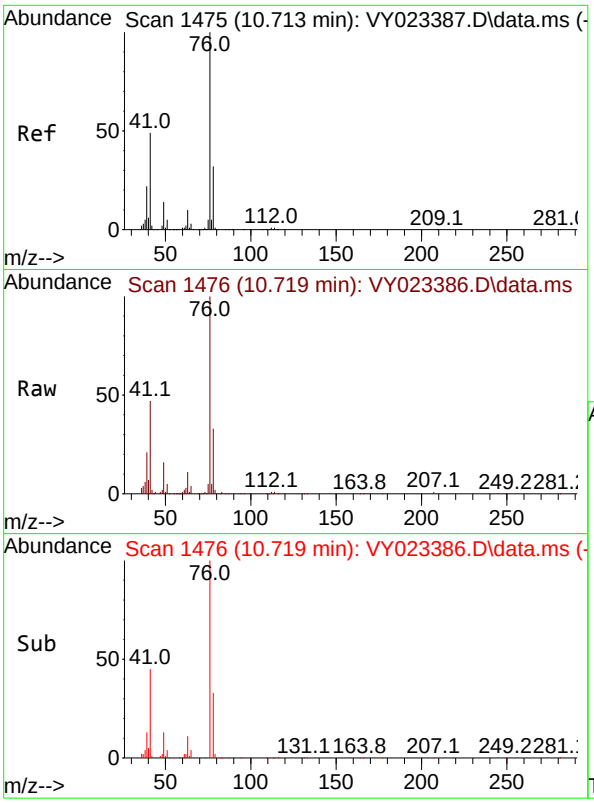


#56
Ethyl methacrylate
Concen: 18.613 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 69 Resp: 89244

Ion	Ratio	Lower	Upper
69	100		
41	56.5	44.6	67.0
39	34.5	27.0	40.4





#57
1,3-Dichloropropane
Concen: 19.389 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 76 Resp: 13065(

Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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Reviewed By :Semsettin Yesilyurt 10/10/2025
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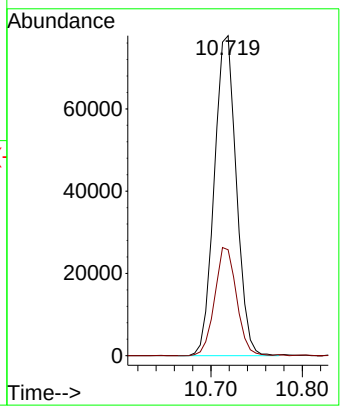
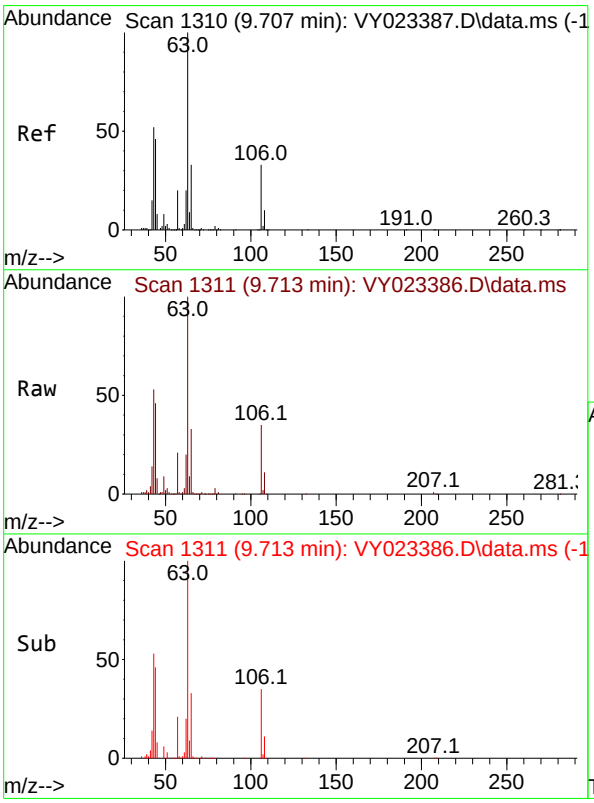
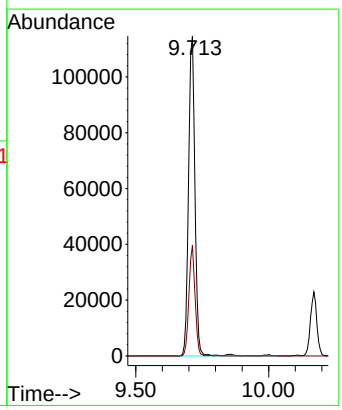


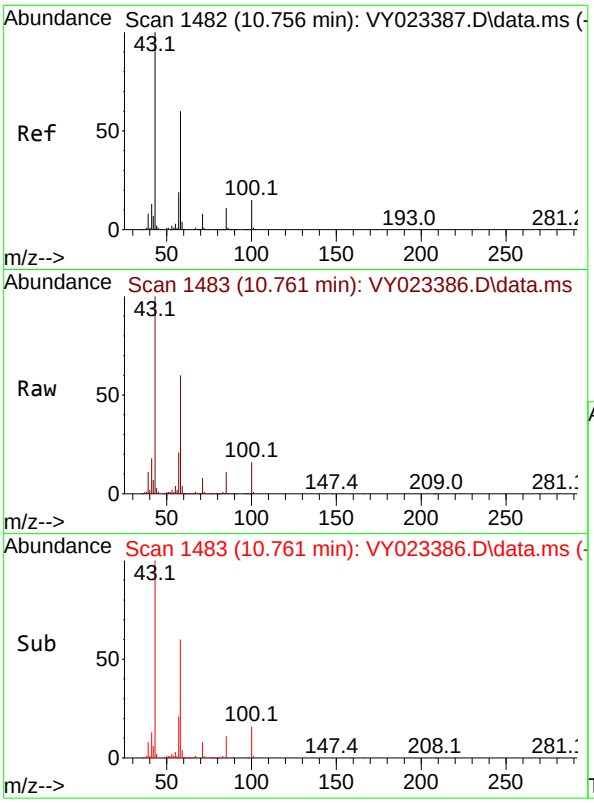


#58
2-Chloroethyl Vinyl ether
Concen: 90.982 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 190850

Ion	Ratio	Lower	Upper
63	100		
106	32.9	26.6	39.8





#59
2-Hexanone
Concen: 94.190 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 18738

Ion	Ratio	Lower	Upper
43	100		
58	60.2	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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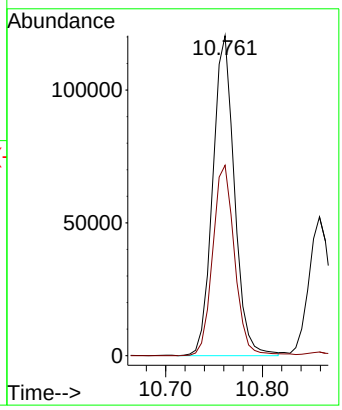
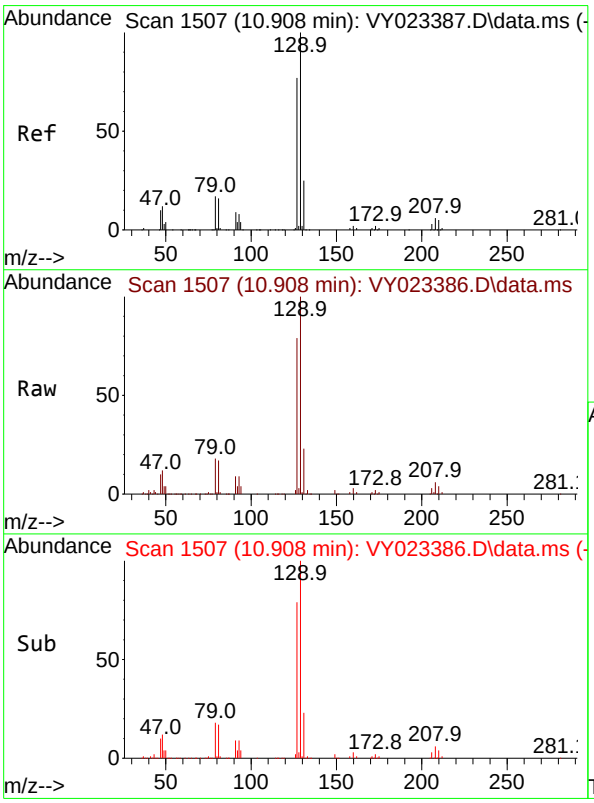
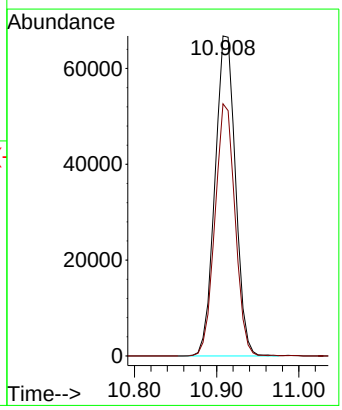


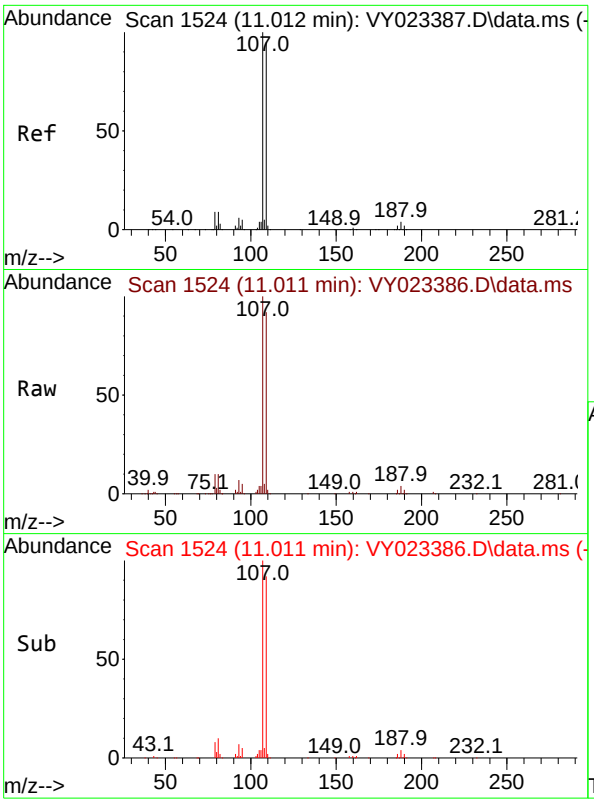


#60
Dibromochloromethane
Concen: 20.412 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:129 Resp: 115907

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7





#61
1,2-Dibromoethane
Concen: 20.062 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:107 Resp: 7857

Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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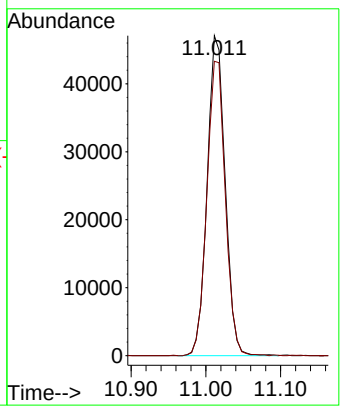
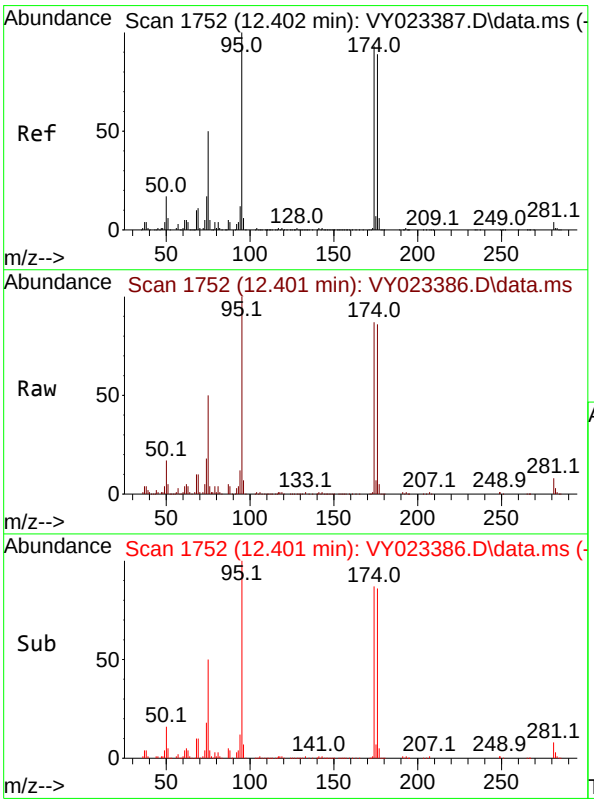
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

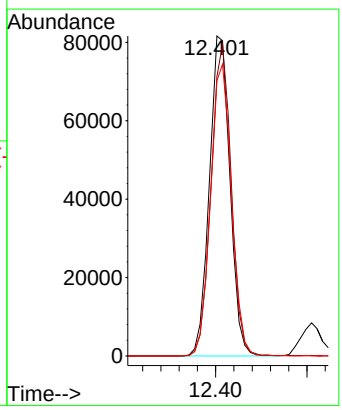


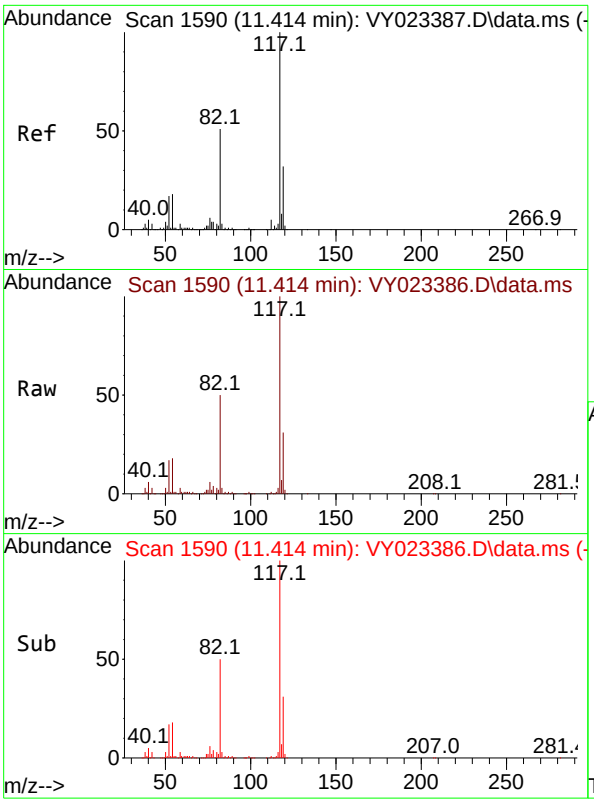


#62
4-Bromofluorobenzene
Concen: 20.680 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 95 Resp: 127216

Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	192.8
176	92.7	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:117 Resp: 74687

Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	31.4	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
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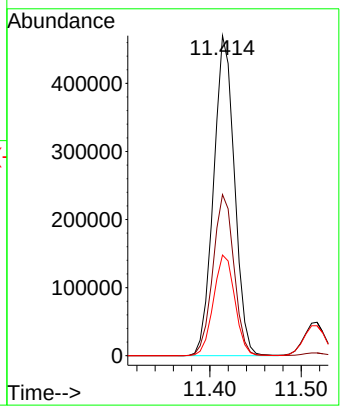
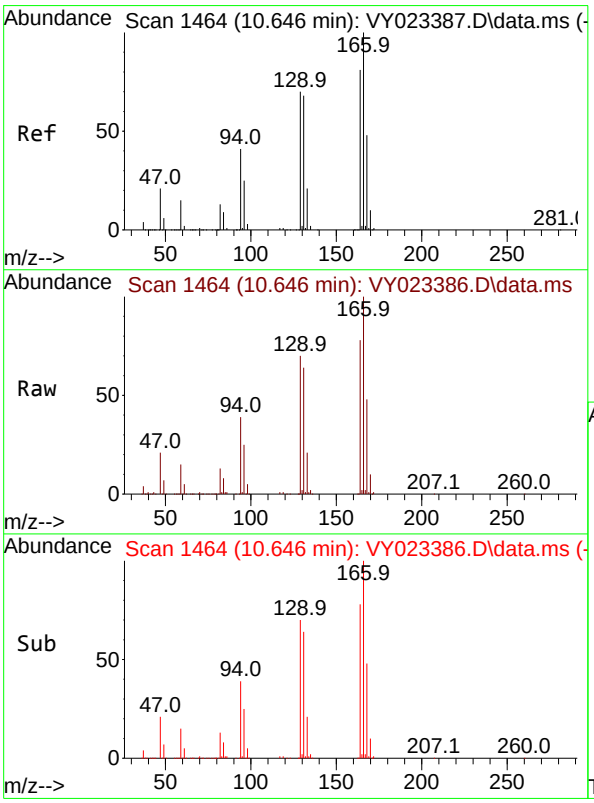
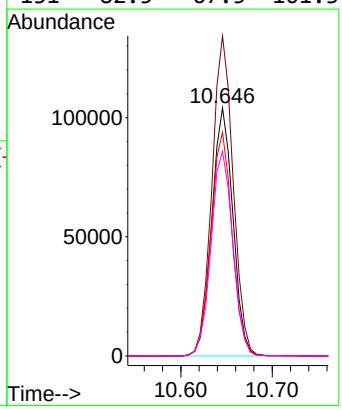


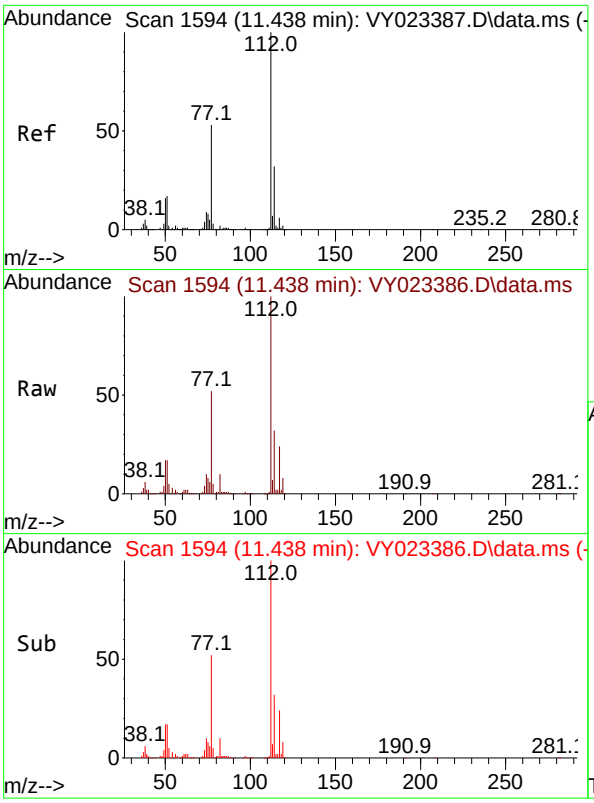


#64
Tetrachloroethene
Concen: 22.438 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:164 Resp: 167648

Ion	Ratio	Lower	Upper
164	100		
166	128.9	99.4	149.0
129	90.1	69.4	104.2
131	82.5	67.5	101.3

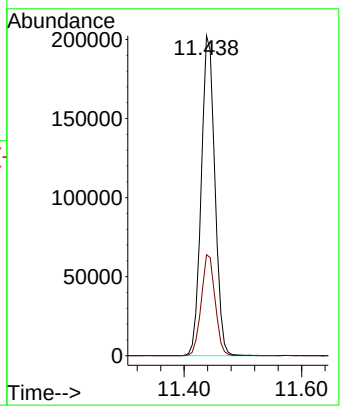




#65
Chlorobenzene
Concen: 20.109 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:112 Resp: 32636

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.6	38.4



Instrument :
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ClientSampleId :
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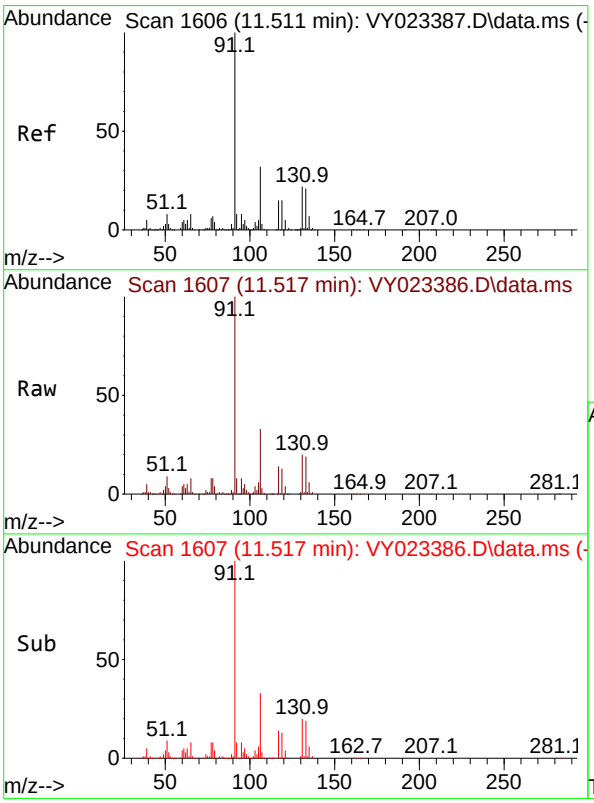
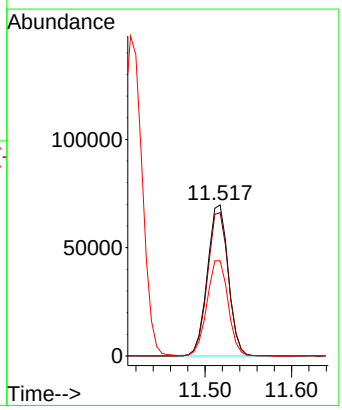
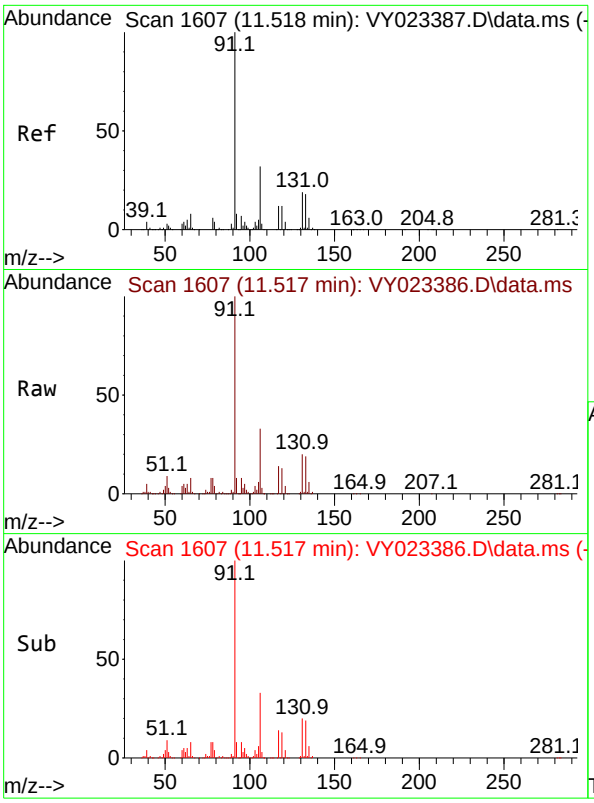


#66
1,1,1,2-Tetrachloroethane
Concen: 20.396 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:131 Resp: 116412

Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.4	145.2
119	64.4	32.4	97.2

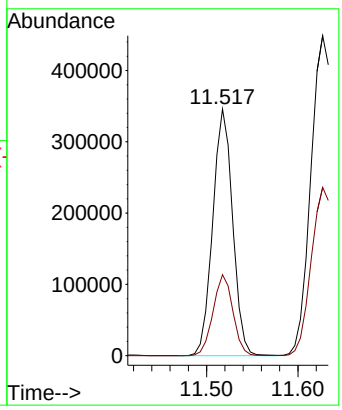




#67
Ethyl Benzene
Concen: 19.768 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 52360

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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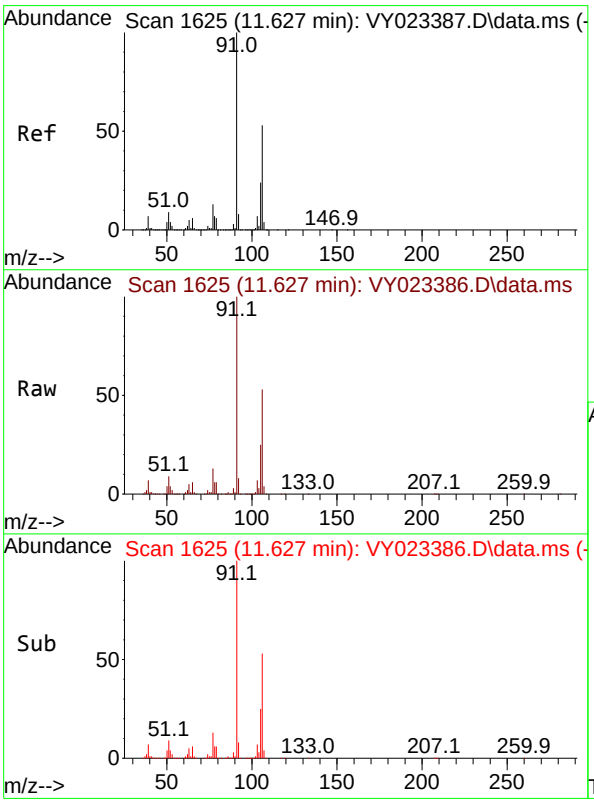
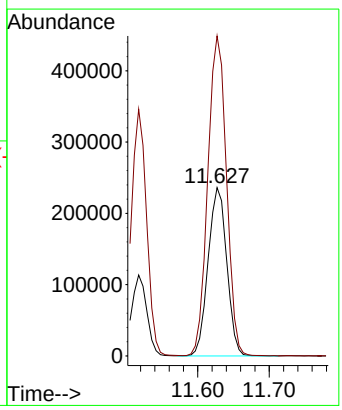
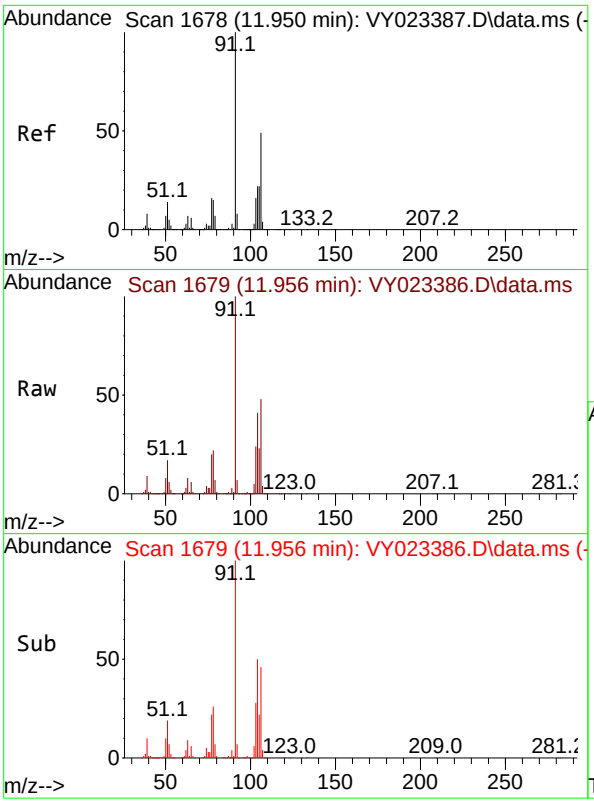


#68
m/p-Xylenes
Concen: 40.211 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:106 Resp: 426913

Ion	Ratio	Lower	Upper
106	100		
91	190.8	152.6	229.0

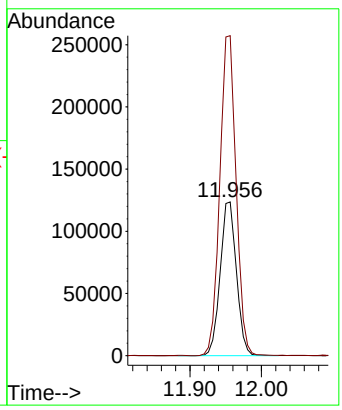




#69
o-Xylene
Concen: 19.843 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:106 Resp: 19502

Ion	Ratio	Lower	Upper
106	100		
91	208.5	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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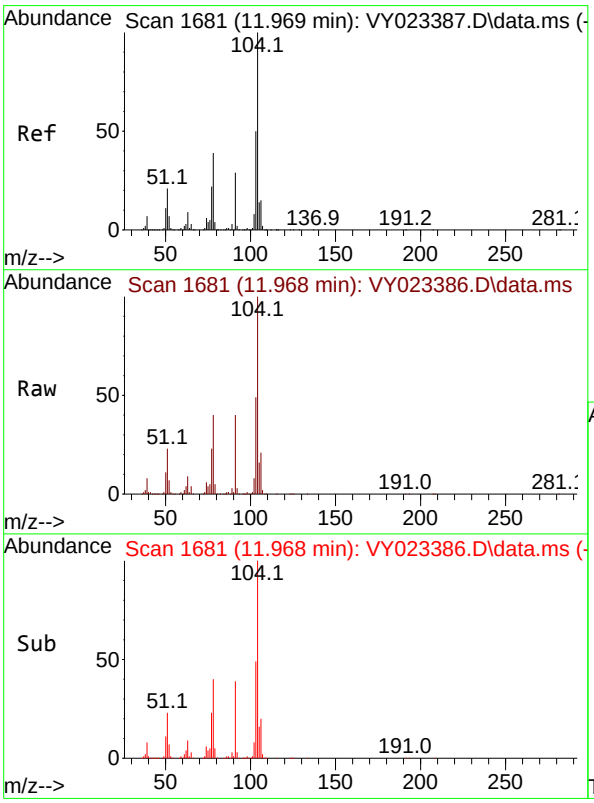
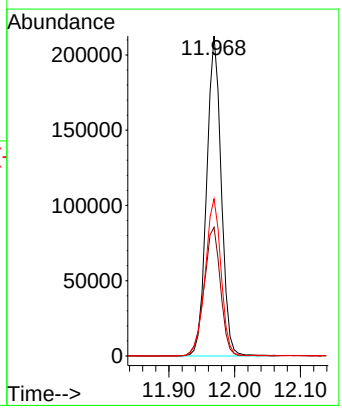
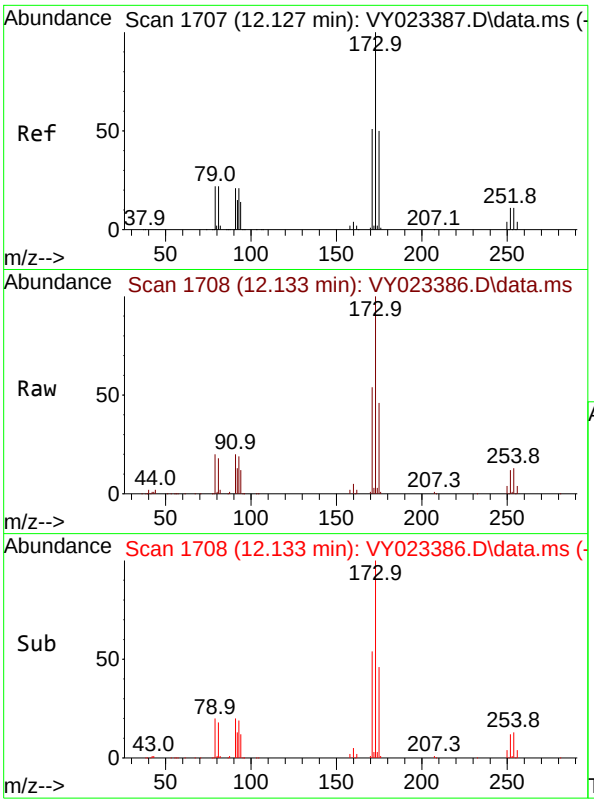


#70
Styrene
Concen: 20.208 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:104 Resp: 327934

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.1	54.1
103	53.3	43.2	64.8

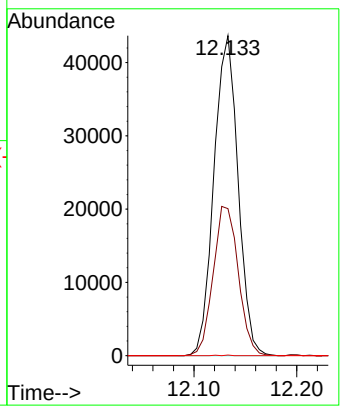




#71
Bromoform
Concen: 20.814 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:173 Resp: 7111

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.8	74.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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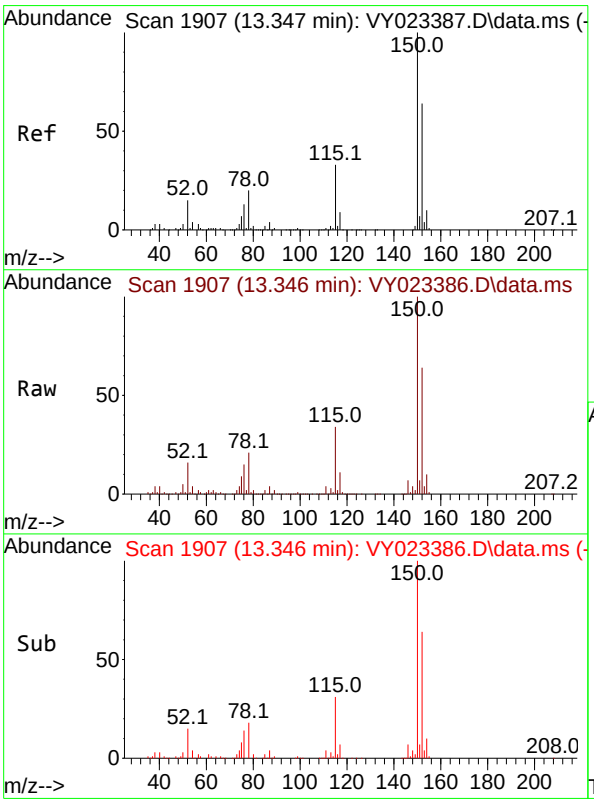
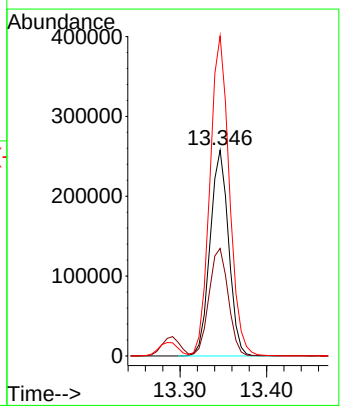
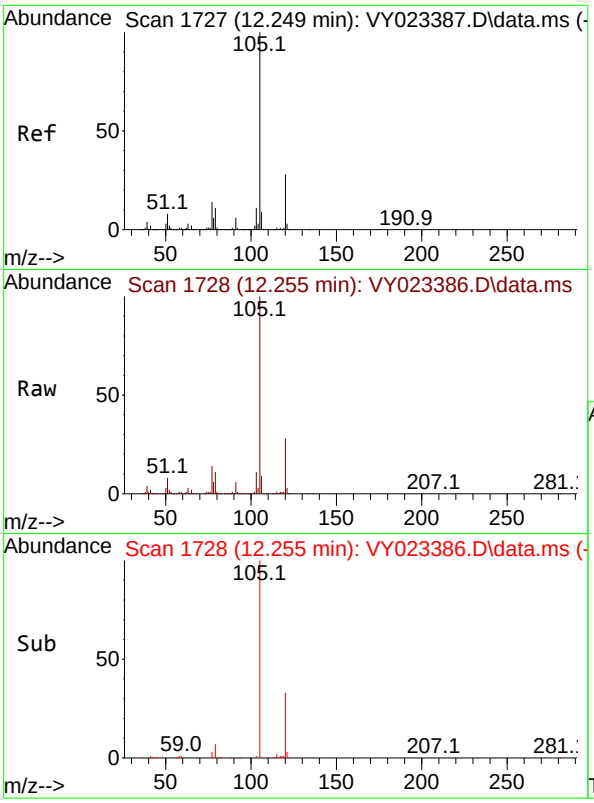


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:152 Resp: 382604

Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.1	81.2
150	163.2	0.0	347.4

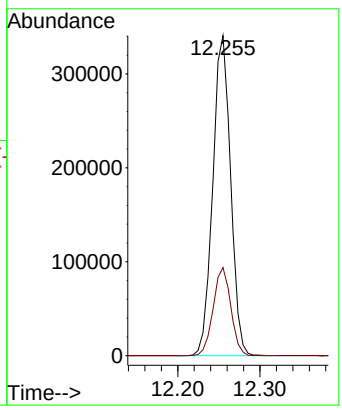




#73
Isopropylbenzene
Concen: 20.136 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 51318

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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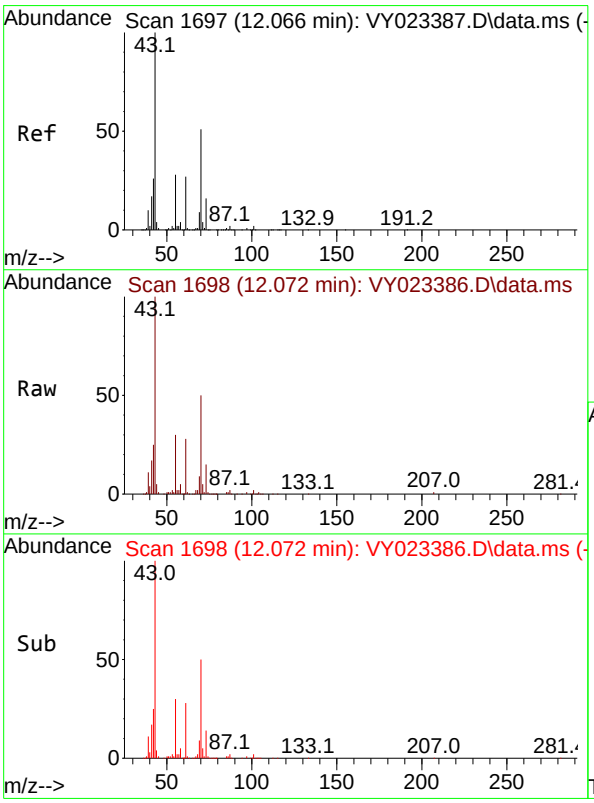
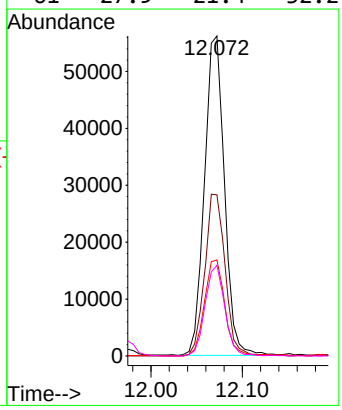
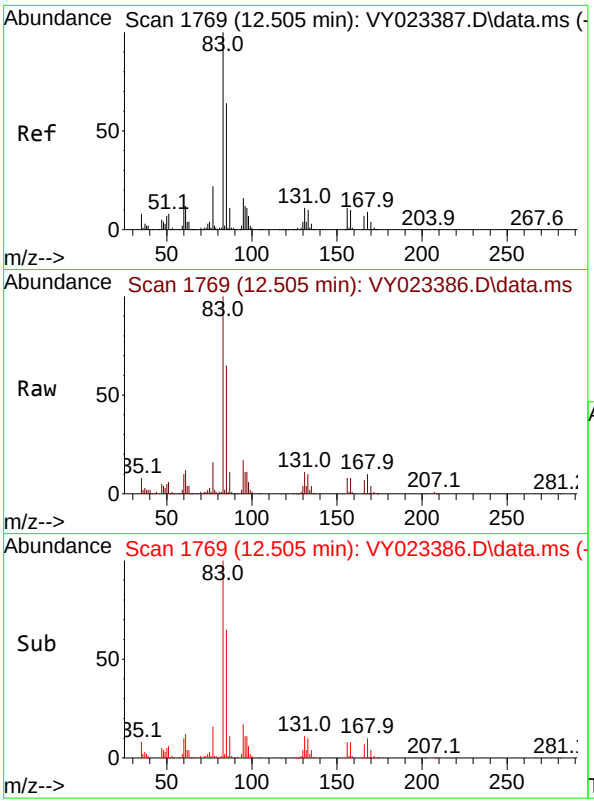


#74
N-amyl acetate
Concen: 17.860 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 85063

Ion	Ratio	Lower	Upper
43	100		
70	51.8	41.1	61.7
55	30.6	23.0	34.6
61	27.9	21.4	32.2

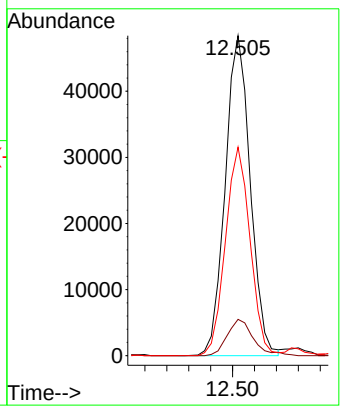




#75
1,1,2,2-Tetrachloroethane
Concen: 18.069 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 7682

Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.9	17.6
85	64.1	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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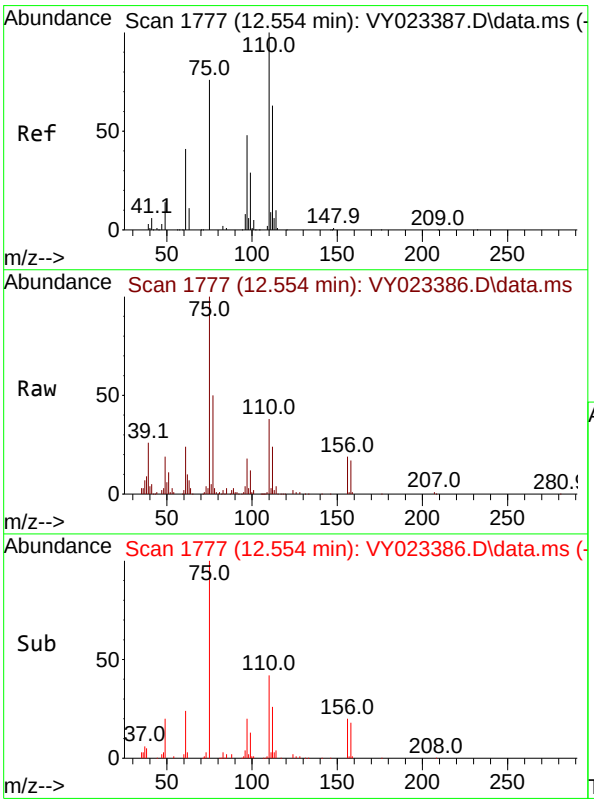
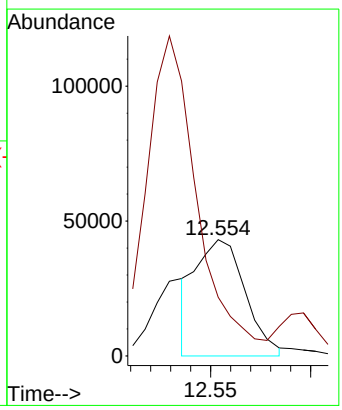
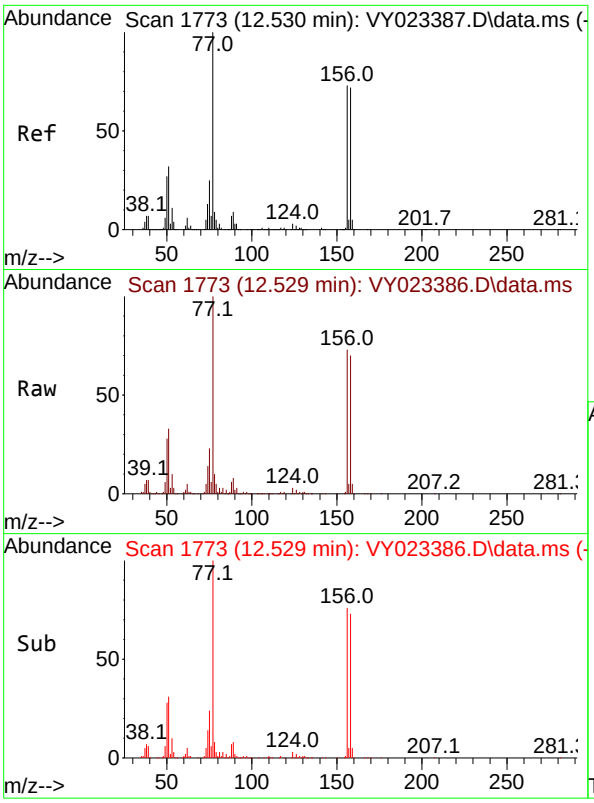


#76
1,2,3-Trichloropropane
Concen: 19.634 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 74100

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

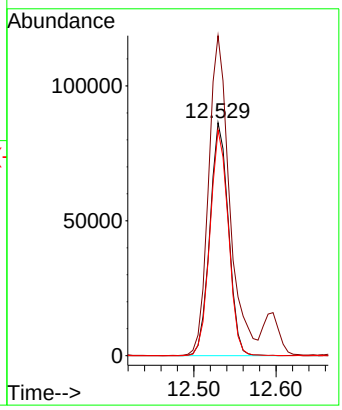




#77
Bromobenzene
Concen: 20.700 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:156 Resp: 13540

Ion	Ratio	Lower	Upper
156	100		
77	156.2	76.8	230.5
158	96.1	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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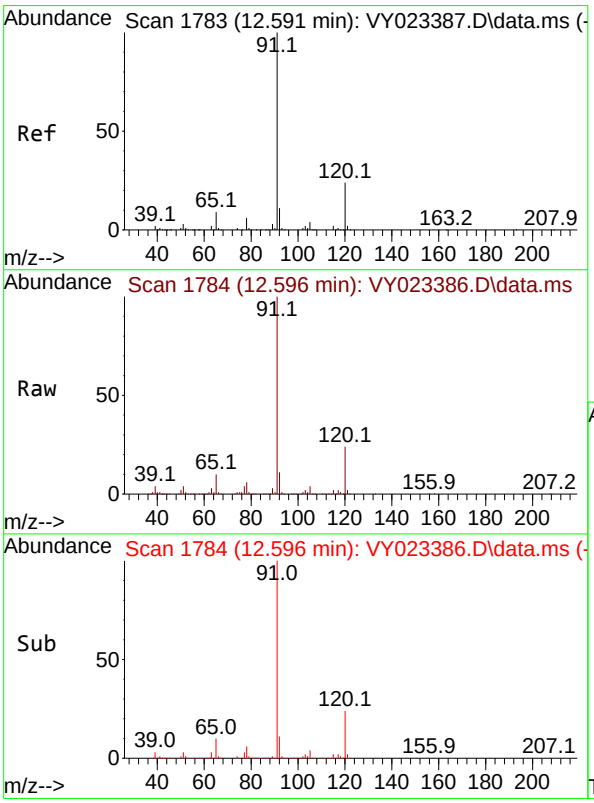
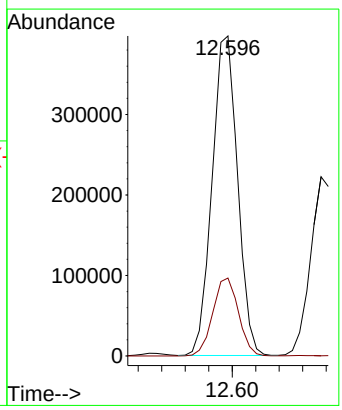
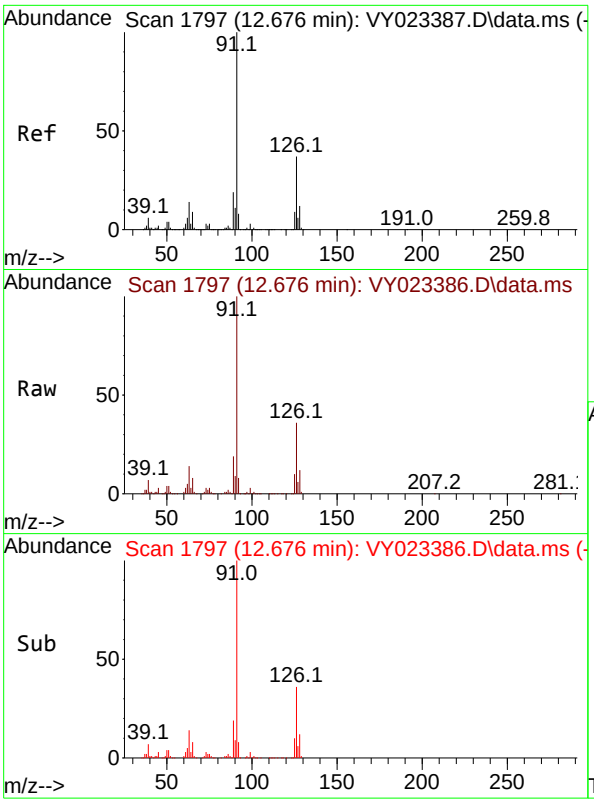


#78
n-propylbenzene
Concen: 19.945 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 597829

Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.3	36.8

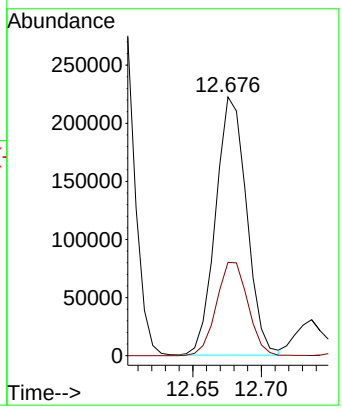




#79
2-Chlorotoluene
Concen: 20.179 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 34920

Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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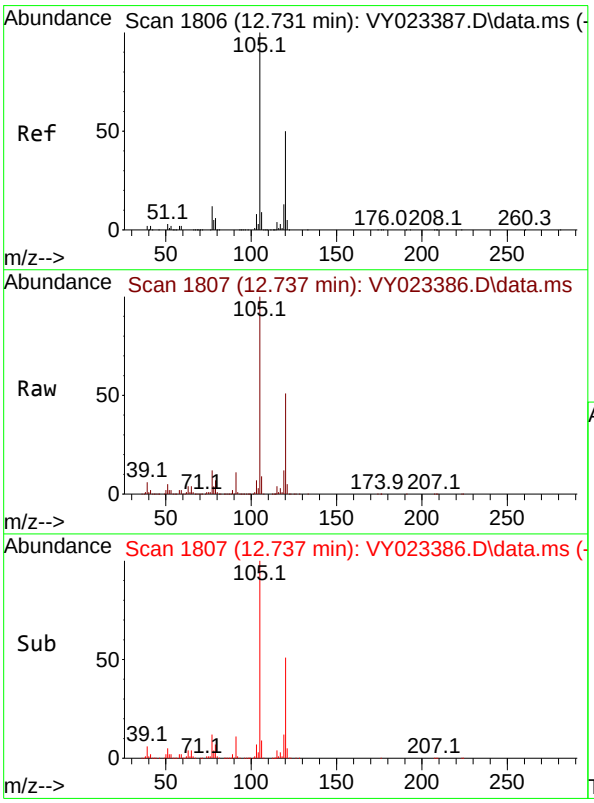
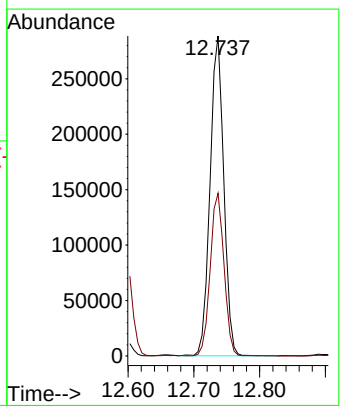
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

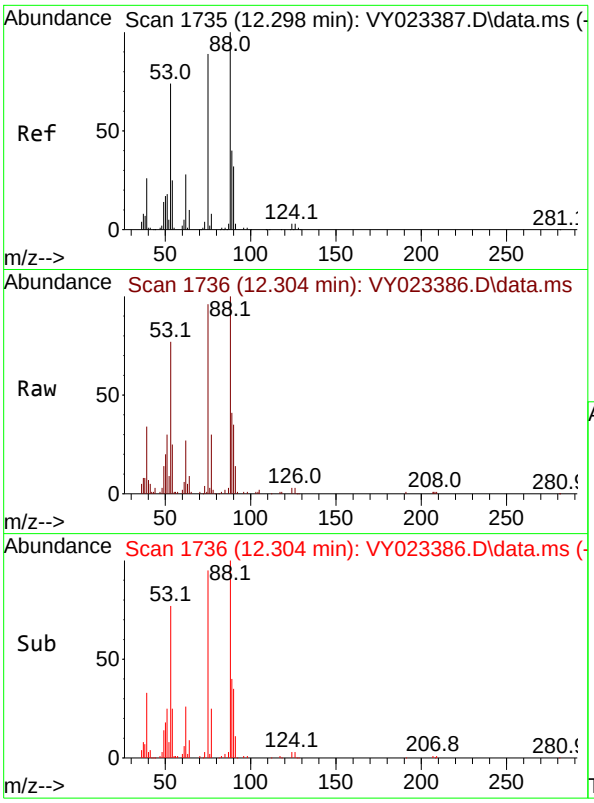


#80
1,3,5-Trimethylbenzene
Concen: 20.208 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 418684

Ion	Ratio	Lower	Upper
105	100		
120	51.1	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.234 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

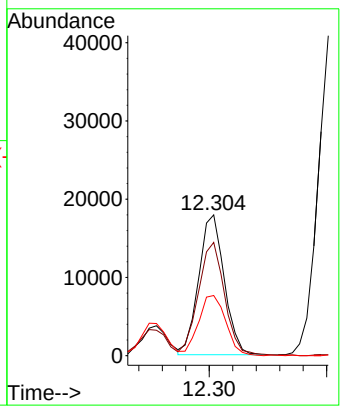
Tgt Ion: 75 Resp: 2692

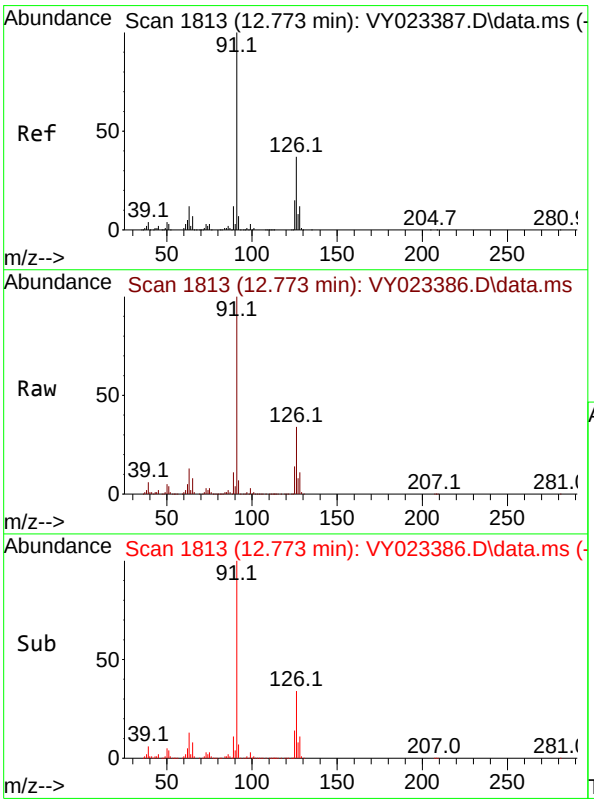
Ion	Ratio	Lower	Upper
75	100		
53	84.4	68.6	102.8
89	46.4	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

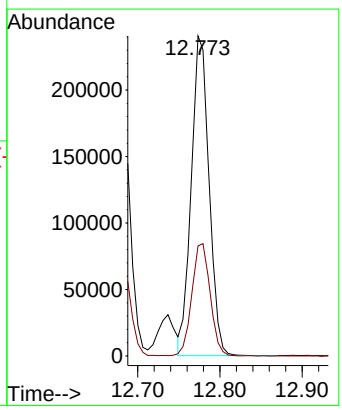


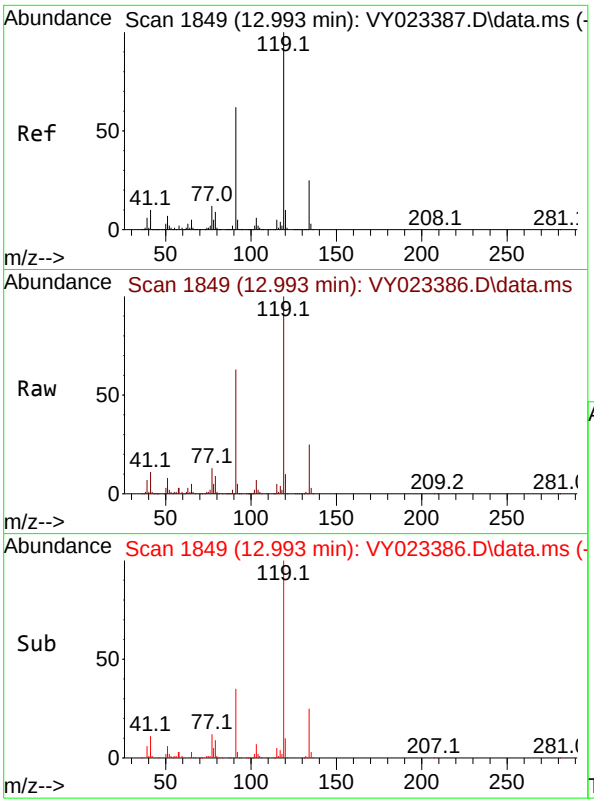


#82
4-Chlorotoluene
Concen: 20.000 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 361458

Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.4	55.4

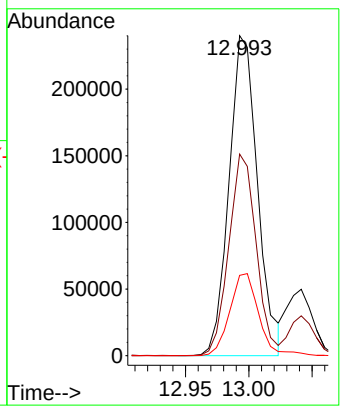




#83
tert-Butylbenzene
Concen: 19.983 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:119 Resp: 37727

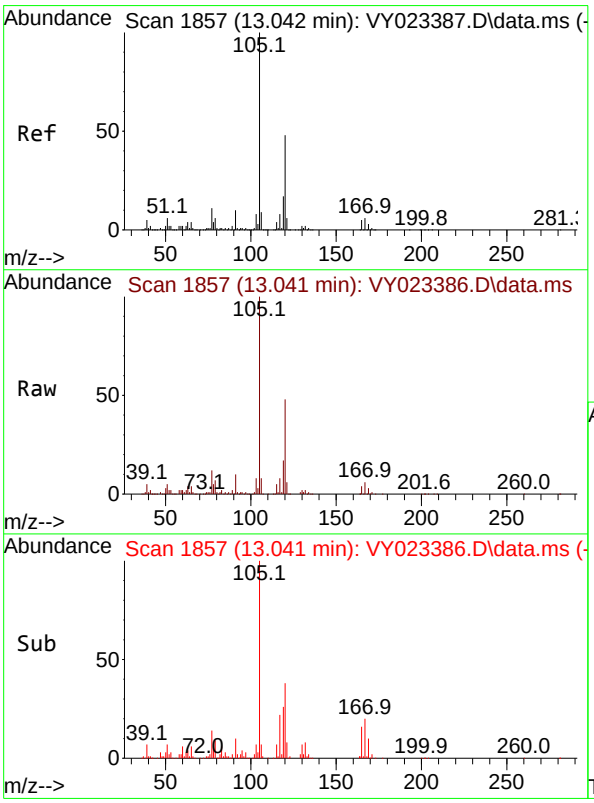
Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.9	89.8
134	26.1	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

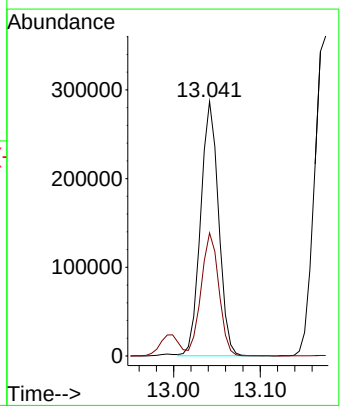
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

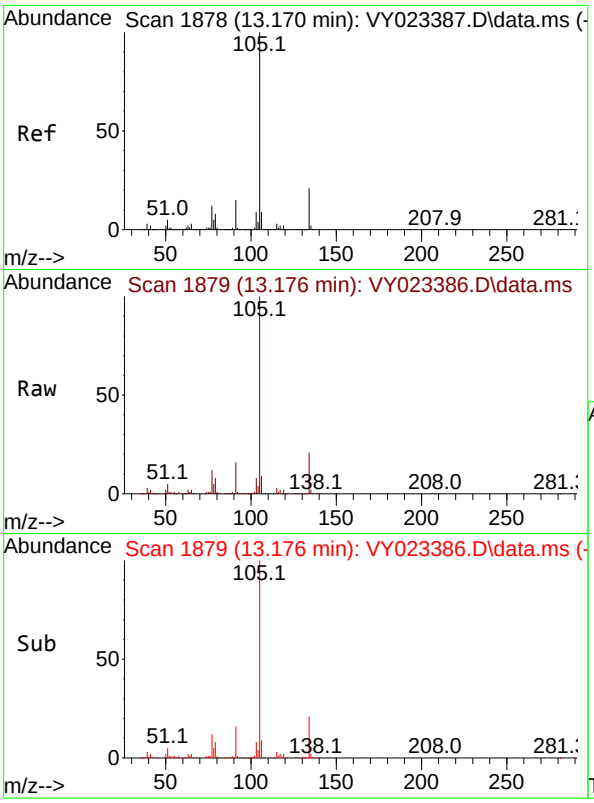


#84
1,2,4-Trimethylbenzene
Concen: 20.162 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 413292

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.2

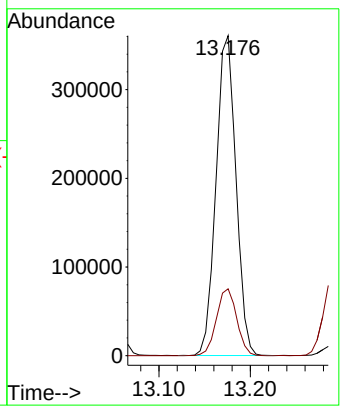




#85
sec-Butylbenzene
Concen: 19.990 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 54658

Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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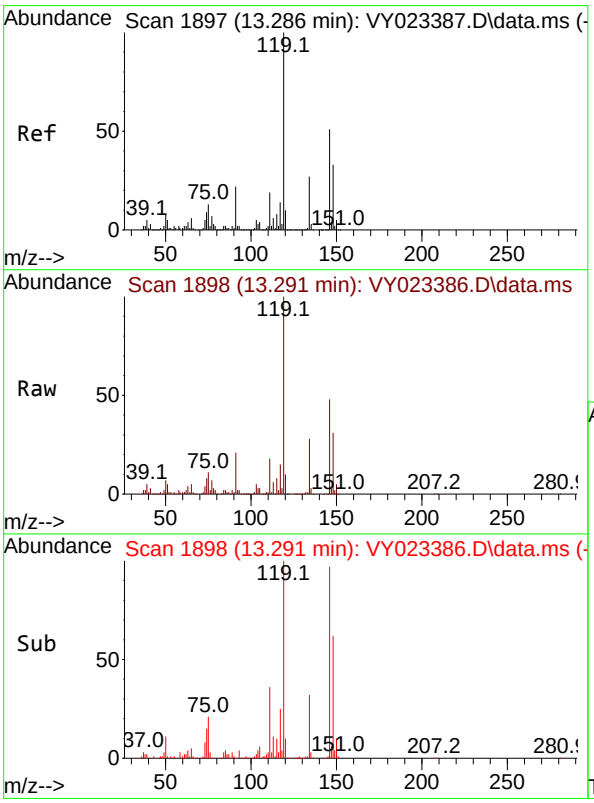
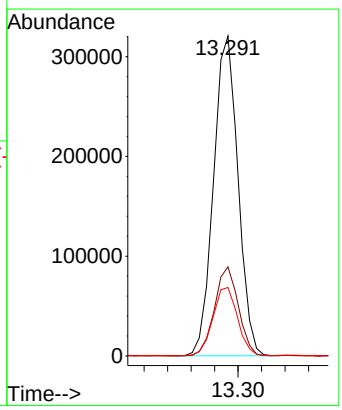
Supervised By :Mahesh Dadoda 10/10/2025

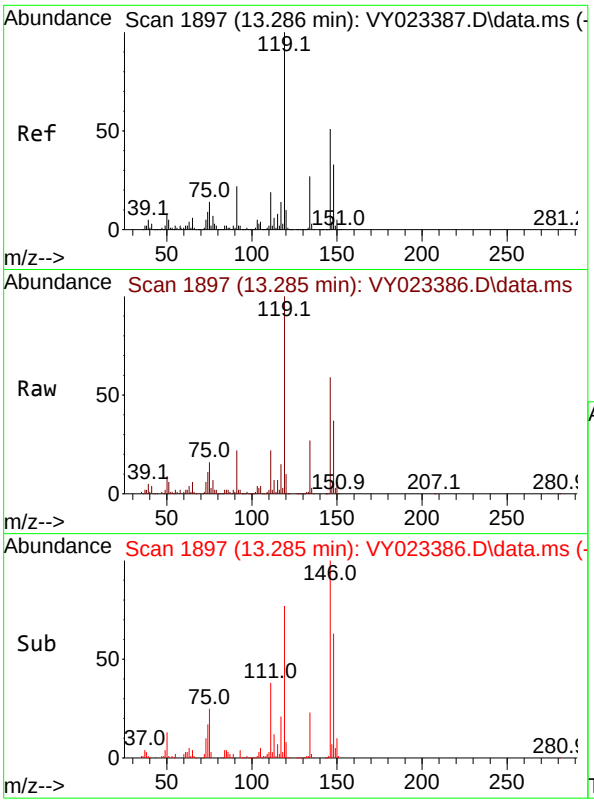


#86
p-Isopropyltoluene
Concen: 20.081 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:119 Resp: 464005

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.7
91	21.6	10.9	32.9

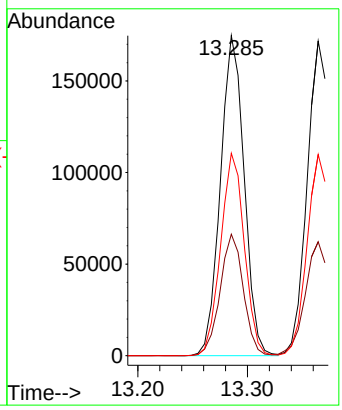




#87
1,3-Dichlorobenzene
Concen: 20.347 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:146 Resp: 26290

Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	63.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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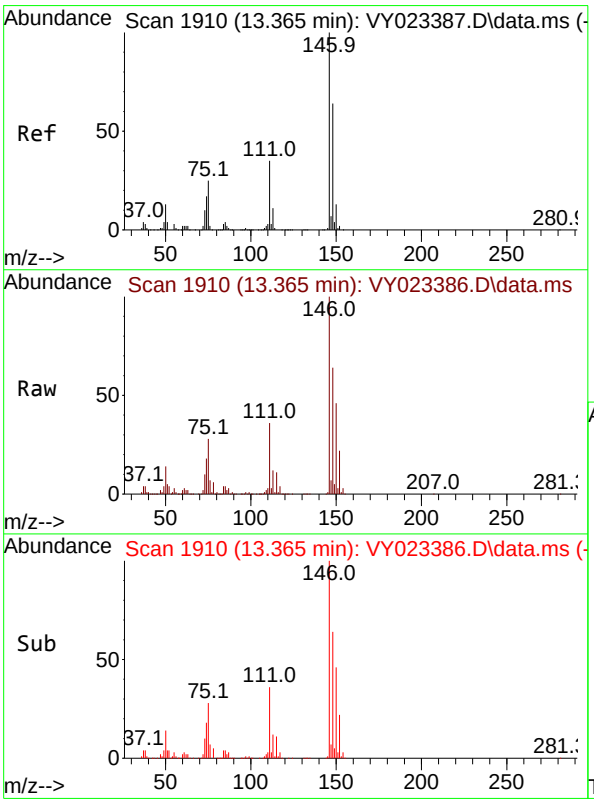
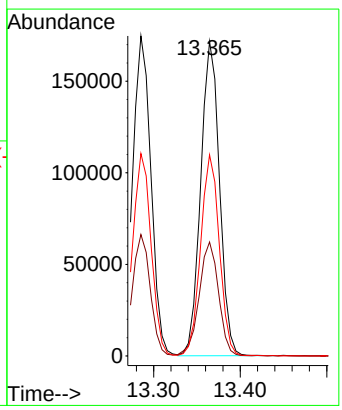
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

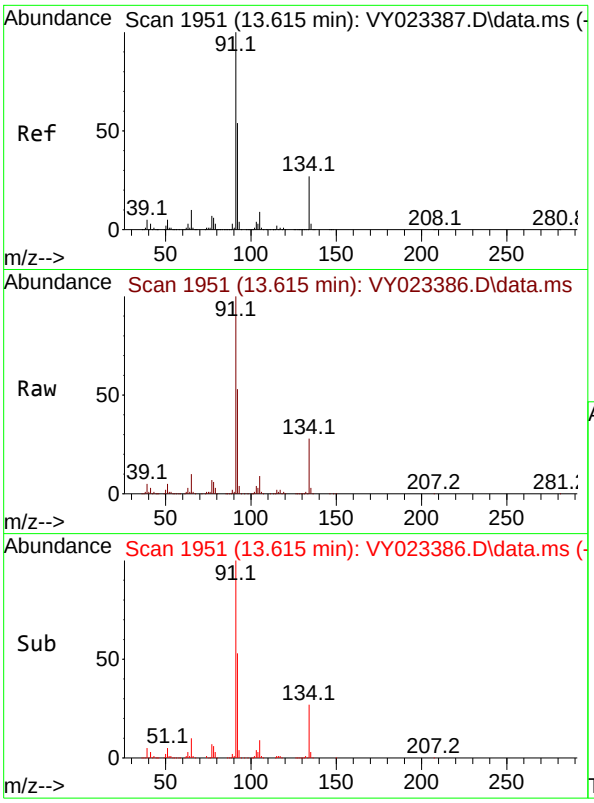


#88
1,4-Dichlorobenzene
Concen: 20.230 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:146 Resp: 259217

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.0	54.0
148	63.6	31.9	95.7

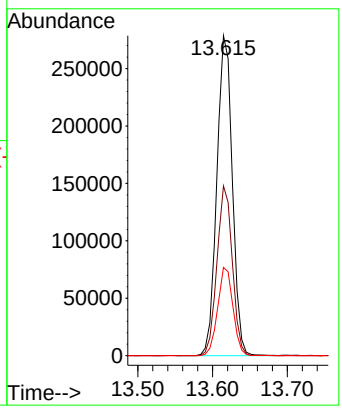




#89
n-Butylbenzene
Concen: 19.697 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 40189

Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.0	80.8
134	27.3	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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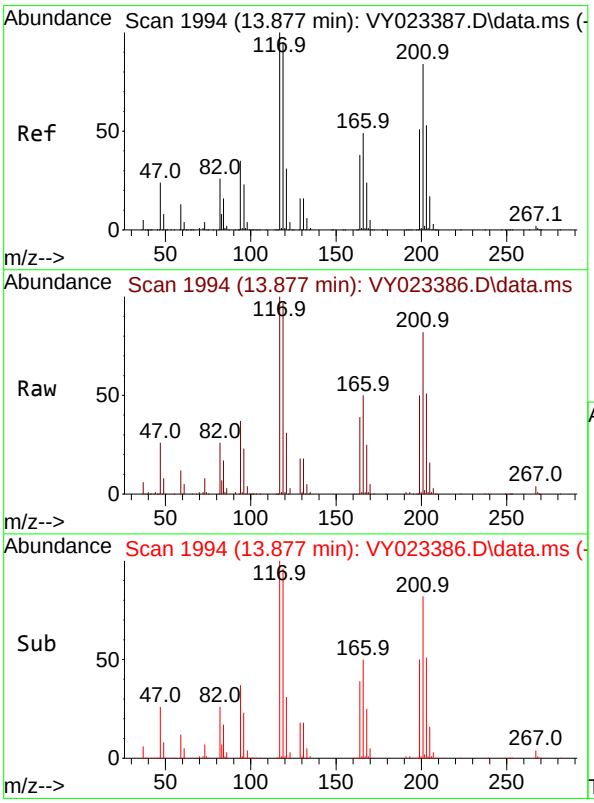
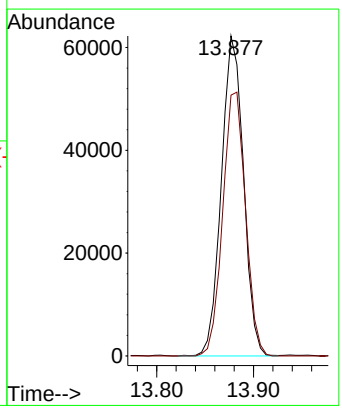
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

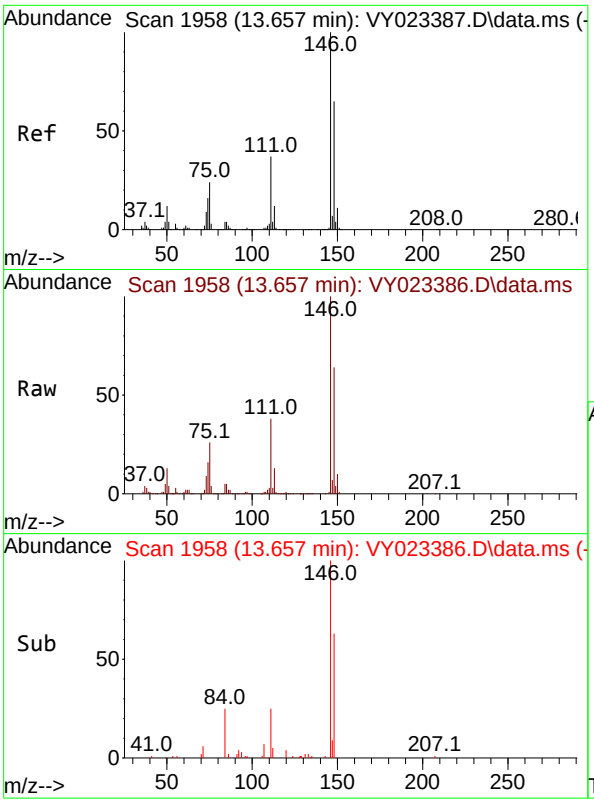


#90
Hexachloroethane
Concen: 19.730 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:117 Resp: 98983

Ion	Ratio	Lower	Upper
117	100		
201	84.8	43.8	131.4

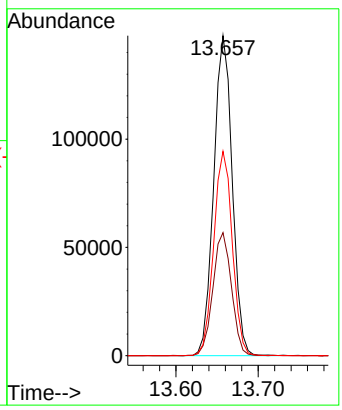




#91
1,2-Dichlorobenzene
Concen: 20.507 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:146 Resp: 23119

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	64.1	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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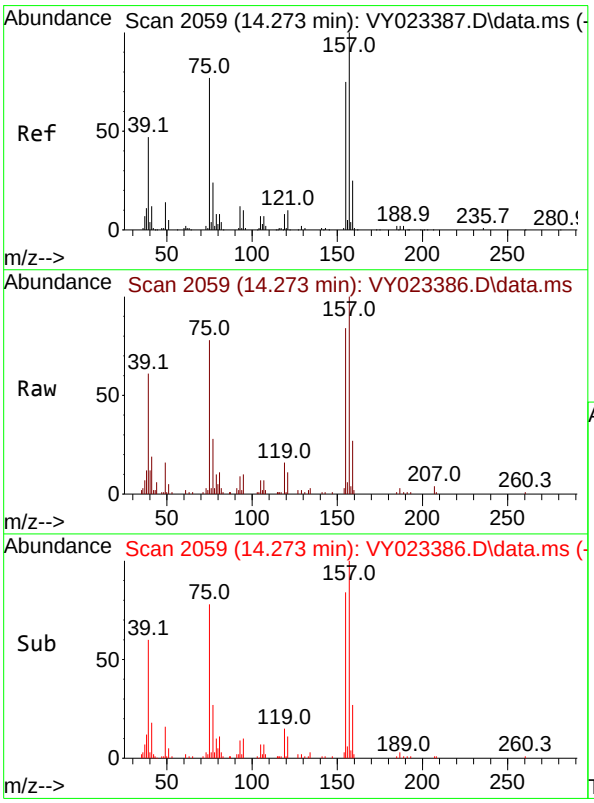
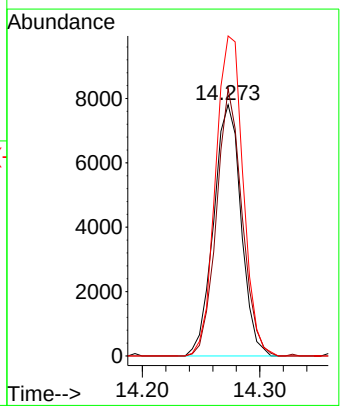
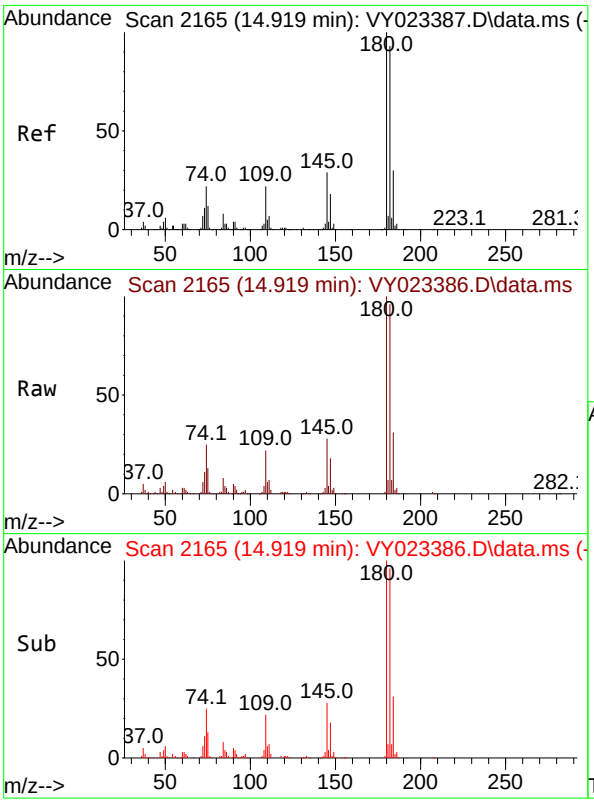


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.802 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 12668

Ion	Ratio	Lower	Upper
75	100		
155	99.1	50.0	150.0
157	127.9	63.8	191.5

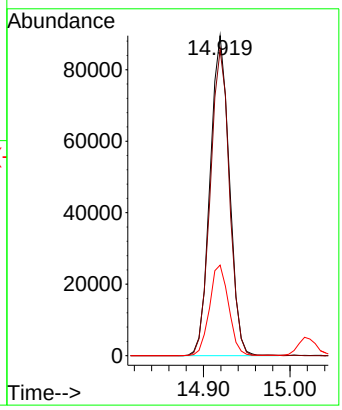




#93
1,2,4-Trichlorobenzene
Concen: 20.770 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:180 Resp: 13796

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.6
145	28.3	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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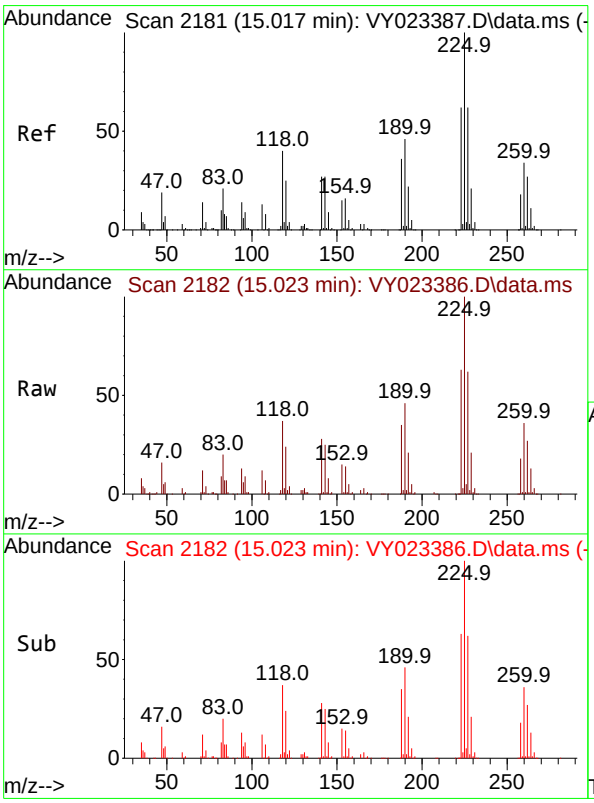
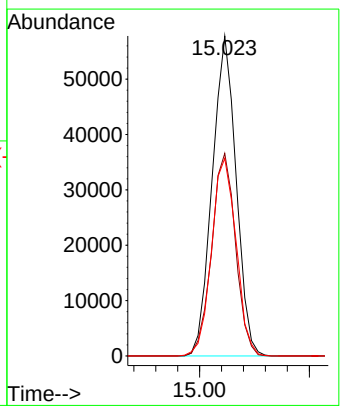
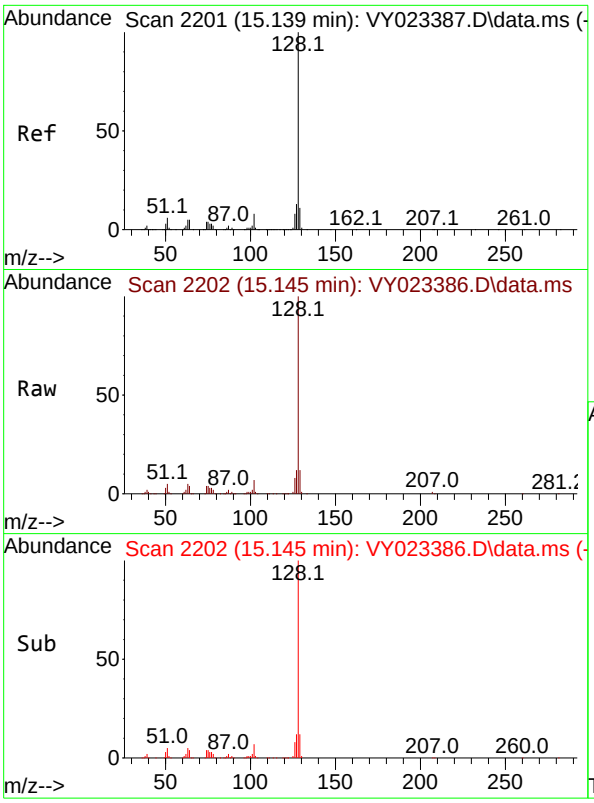


#94
Hexachlorobutadiene
Concen: 21.159 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:225 Resp: 87575

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.3
227	63.4	31.9	95.7

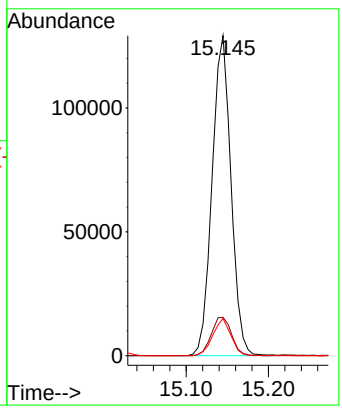




#95
Naphthalene
Concen: 19.467 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:128 Resp: 20601

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
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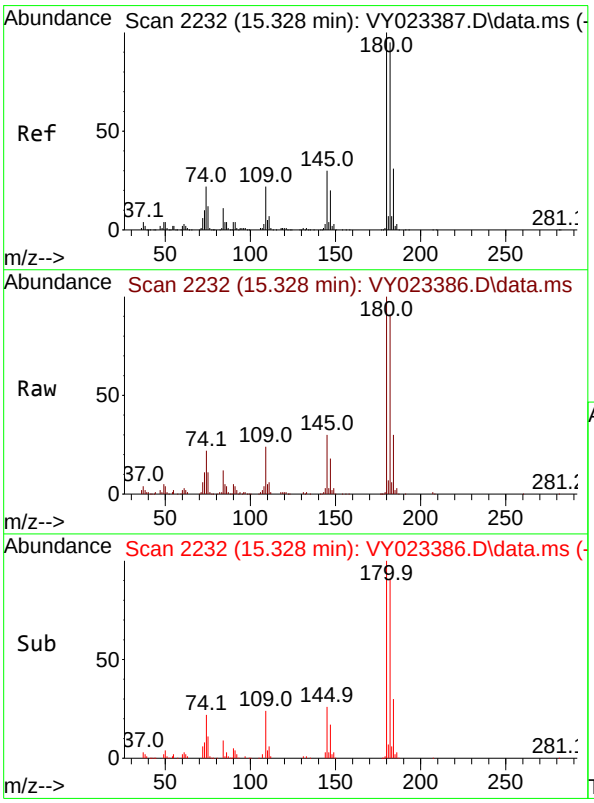
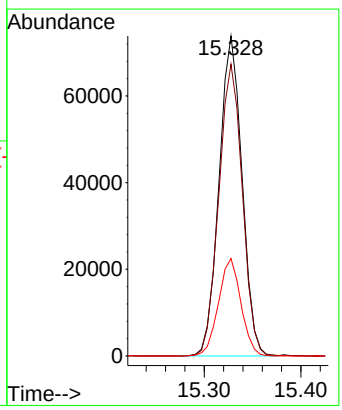


#96
1,2,3-Trichlorobenzene
Concen: 21.113 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:180 Resp: 121656

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.9	143.8
145	29.8	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	590340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	858767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	749869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	392169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	231295	45.240	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.480%			
35) Dibromofluoromethane	7.634	113	256331	49.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.360%			
50) Toluene-d8	10.103	98	969649	49.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.402	95	313426	50.546	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	189467	40.745	ug/l	100
3) Chloromethane	2.068	50	265142	40.113	ug/l	100
4) Vinyl Chloride	2.202	62	352993	42.293	ug/l	100
5) Bromomethane	2.592	94	277005	40.458	ug/l	100
6) Chloroethane	2.733	64	244551	43.157	ug/l	100
7) Trichlorofluoromethane	3.056	101	496981	46.354	ug/l	100
8) Diethyl Ether	3.452	74	126634	45.158	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	258100	45.039	ug/l	100
10) Methyl Iodide	4.001	142	317731	47.979	ug/l	100
11) Tert butyl alcohol	4.860	59	73642	244.793	ug/l	100
12) 1,1-Dichloroethene	3.787	96	252190	45.738	ug/l	100
13) Acrolein	3.647	56	123642	242.575	ug/l	100
14) Allyl chloride	4.379	41	310569	44.989	ug/l	100
15) Acrylonitrile	5.055	53	240668	219.075	ug/l	100
16) Acetone	3.866	43	247122	214.955	ug/l	100
17) Carbon Disulfide	4.104	76	722982	42.028	ug/l	100
18) Methyl Acetate	4.385	43	144816	49.563	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	601934	46.626	ug/l	100
20) Methylene Chloride	4.616	84	270612	43.409	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	277516	45.256	ug/l	100
22) Diisopropyl ether	6.019	45	686481	44.844	ug/l	100
23) Vinyl Acetate	5.958	43	1843784	219.119	ug/l	100
24) 1,1-Dichloroethane	5.915	63	448267	44.423	ug/l	100
25) 2-Butanone	6.890	43	310237	218.327	ug/l	100
26) 2,2-Dichloropropane	6.884	77	416391	46.440	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	320028	46.010	ug/l	100
28) Bromochloromethane	7.244	49	157414	40.211	ug/l	100
29) Tetrahydrofuran	7.262	42	187787	222.653	ug/l	100
30) Chloroform	7.421	83	493098	45.316	ug/l	100
31) Cyclohexane	7.701	56	379644	42.602	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	452713	46.347	ug/l	100
36) 1,1-Dichloropropene	7.835	75	341353	46.424	ug/l	100
37) Ethyl Acetate	6.982	43	129053	44.394	ug/l	100
38) Carbon Tetrachloride	7.817	117	413187	48.374	ug/l	100
39) Methylcyclohexane	9.109	83	452959	48.113	ug/l	100
40) Benzene	8.079	78	1080883	47.154	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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	7.220	41	68542	45.399	ug/l		100
42) 1,2-Dichloroethane	8.152	62	270387	46.350	ug/l		100
43) Isopropyl Acetate	8.195	43	259041	45.811	ug/l		100
44) Trichloroethene	8.866	130	315104	48.982	ug/l		100
45) 1,2-Dichloropropane	9.140	63	234978	45.555	ug/l		100
46) Dibromomethane	9.231	93	148914	47.198	ug/l		100
47) Bromodichloromethane	9.420	83	377084	47.482	ug/l		100
48) Methyl methacrylate	9.219	41	126732	48.027	ug/l		100
49) 1,4-Dioxane	9.225	88	34053	1042.312	ug/l		100
51) 4-Methyl-2-Pentanone	9.993	43	682879	235.772	ug/l		100
52) Toluene	10.170	92	710404	48.824	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	330392	48.438	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	390619	47.910	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	198478	47.296	ug/l		100
56) Ethyl methacrylate	10.438	69	239407	49.535	ug/l		100
57) 1,3-Dichloropropane	10.713	76	321276	47.301	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	553816	261.921	ug/l		100
59) 2-Hexanone	10.756	43	479606	239.162	ug/l		100
60) Dibromochloromethane	10.908	129	281047	49.103	ug/l		100
61) 1,2-Dibromoethane	11.012	107	191356	48.468	ug/l		100
64) Tetrachloroethene	10.646	164	392056	52.264	ug/l		100
65) Chlorobenzene	11.438	112	789650	48.460	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.511	131	279583	48.788	ug/l		100
67) Ethyl Benzene	11.518	91	1332350	50.099	ug/l		100
68) m/p-Xylenes	11.627	106	1077583	101.092	ug/l		100
69) o-Xylene	11.950	106	502722	50.946	ug/l		100
70) Styrene	11.969	104	831908	51.059	ug/l		100
71) Bromoform	12.127	173	172315	50.229	ug/l	#	100
73) Isopropylbenzene	12.249	105	1301009	49.803	ug/l		100
74) N-amyl acetate	12.066	43	227684	46.640	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	195565	44.878	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	169814m	43.898	ug/l		
77) Bromobenzene	12.530	156	331331	49.419	ug/l		100
78) n-propylbenzene	12.591	91	1522965	49.572	ug/l		100
79) 2-Chlorotoluene	12.676	91	873335	49.235	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	1061112	49.966	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	66299	46.212	ug/l		100
82) 4-Chlorotoluene	12.773	91	892764	48.192	ug/l		100
83) tert-Butylbenzene	12.993	119	988936	51.104	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1061159	50.505	ug/l		100
85) sec-Butylbenzene	13.170	105	1405003	50.133	ug/l		100
86) p-Isopropyltoluene	13.286	119	1210644	51.115	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	649899	49.072	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	636694	48.476	ug/l		100
89) n-Butylbenzene	13.615	91	1051949	50.299	ug/l		100
90) Hexachloroethane	13.877	117	245108	47.664	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	567114	49.075	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32585	47.184	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	359833	52.852	ug/l		100
94) Hexachlorobutadiene	15.017	225	226316	53.346	ug/l		100
95) Naphthalene	15.139	128	575044	53.012	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	310831	52.628	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

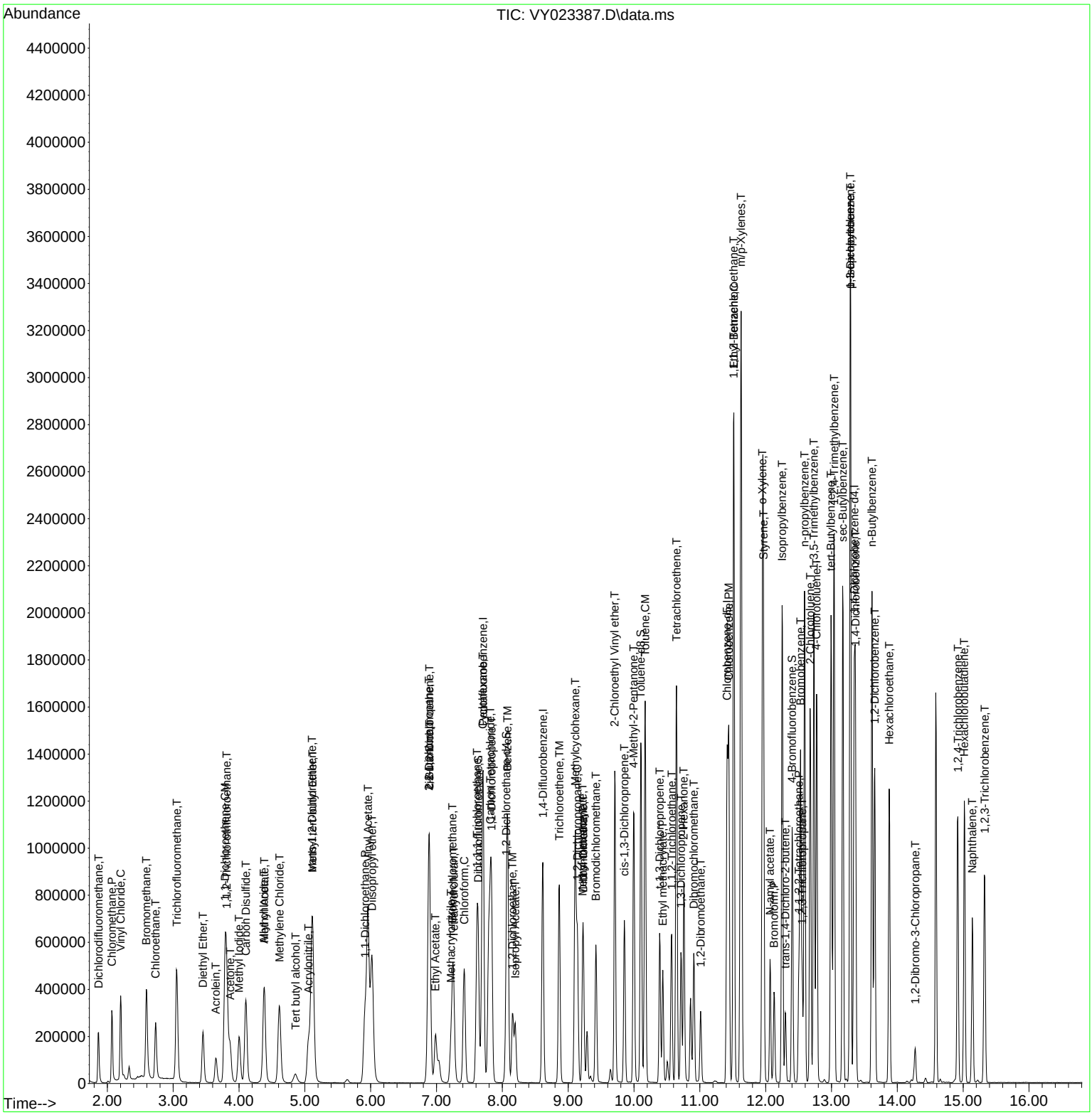
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023387.D
Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

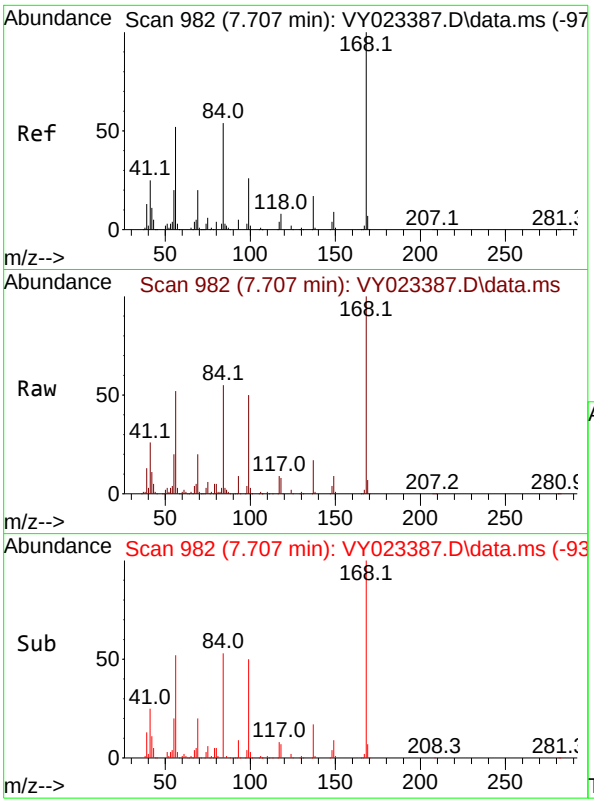
Quant Time: Oct 08 04:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

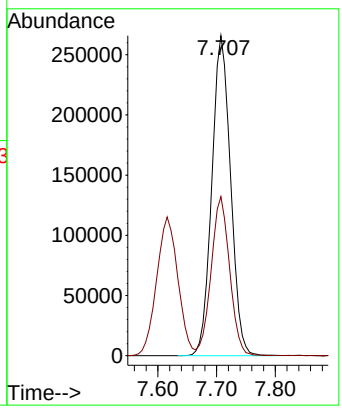




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:168 Resp: 59034

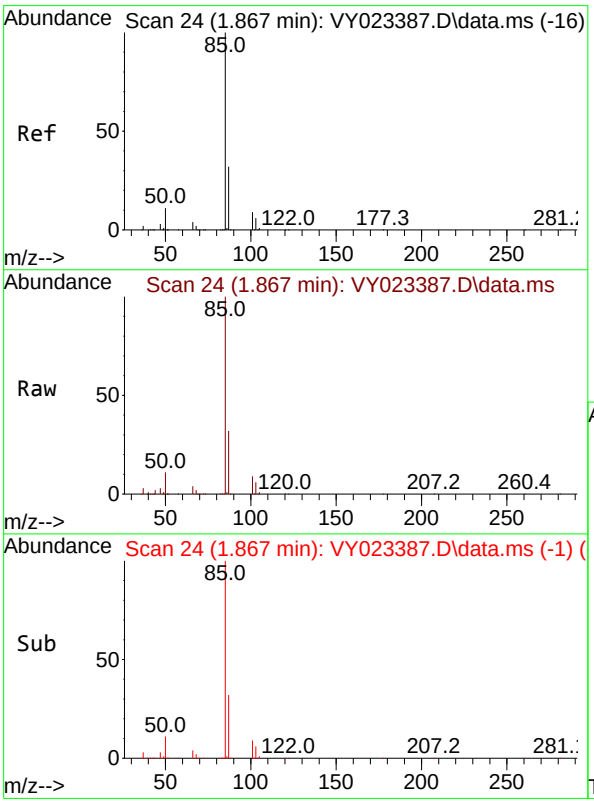
Ion	Ratio	Lower	Upper
168	100		
99	49.6	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

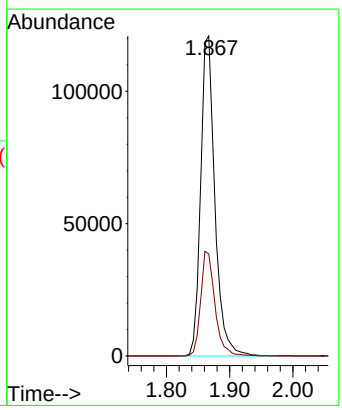
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

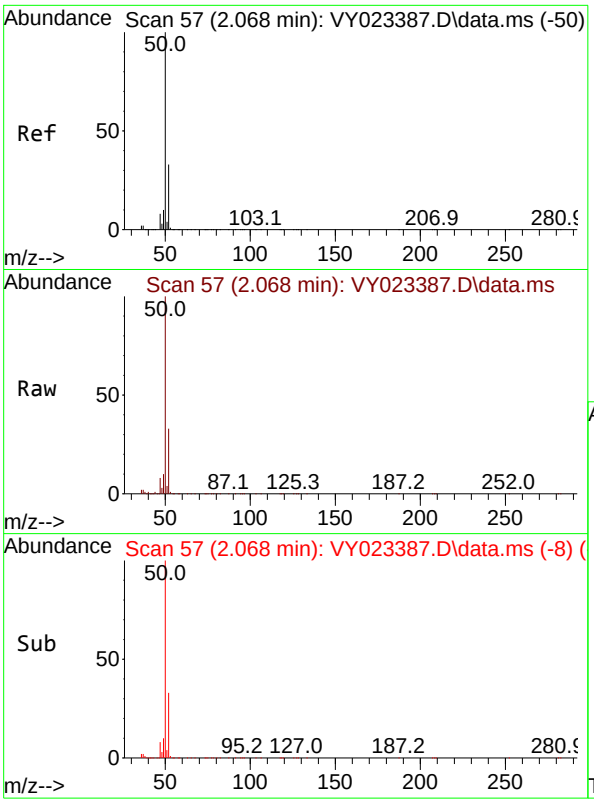


#2
Dichlorodifluoromethane
Concen: 40.745 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 85 Resp: 189467

Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.0	47.9





#3
Chloromethane
Concen: 40.113 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

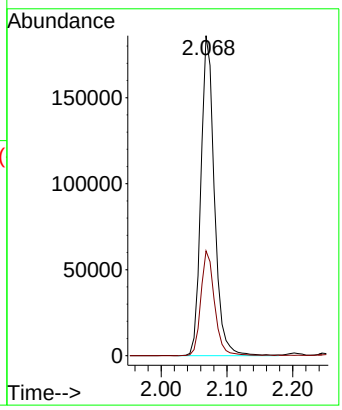
Tgt Ion: 50 Resp: 26514

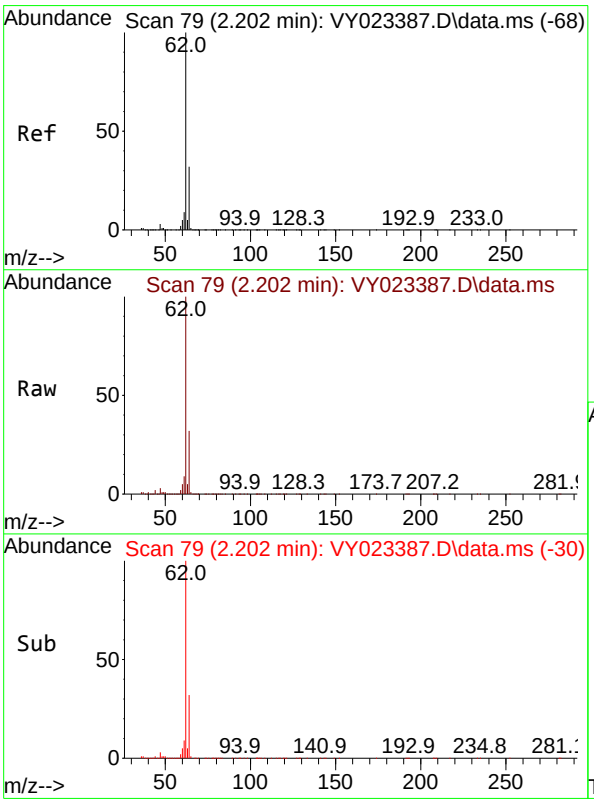
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

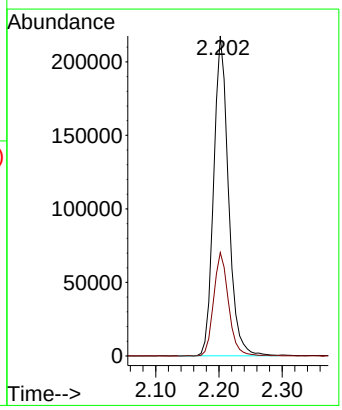


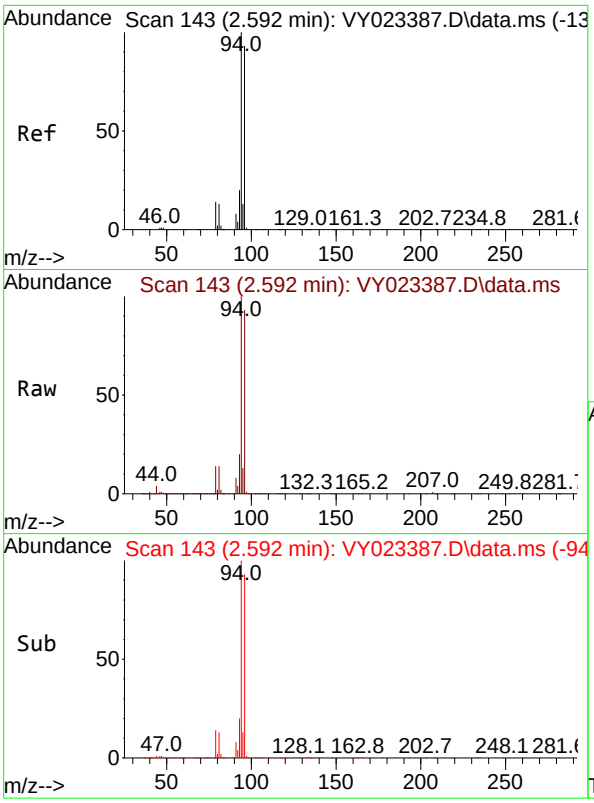


#4
Vinyl Chloride
Concen: 42.293 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 62 Resp: 352993

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.8	38.8

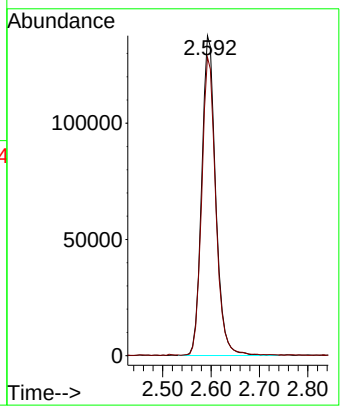




#5
Bromomethane
Concen: 40.458 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 94 Resp: 27700

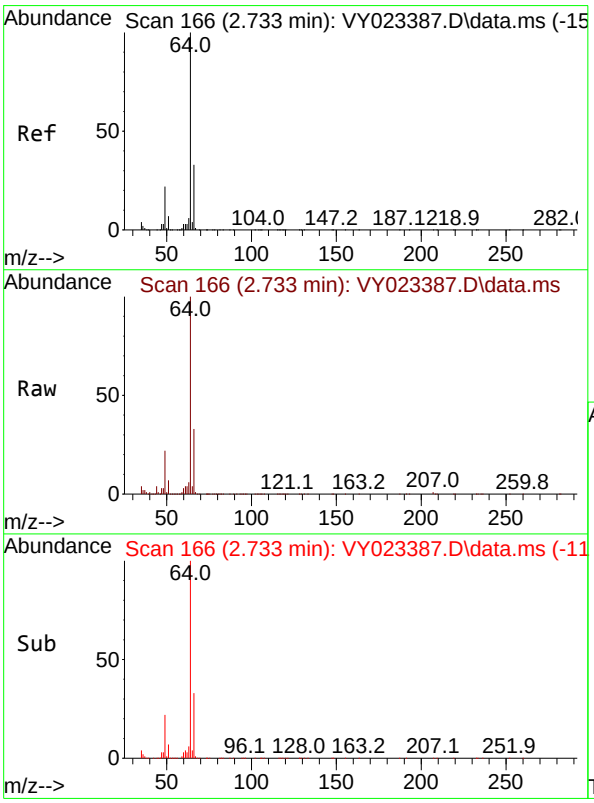
Ion	Ratio	Lower	Upper
94	100		
96	93.1	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

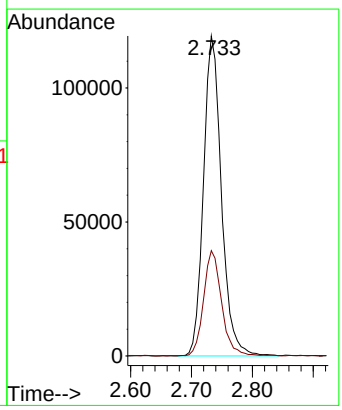
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

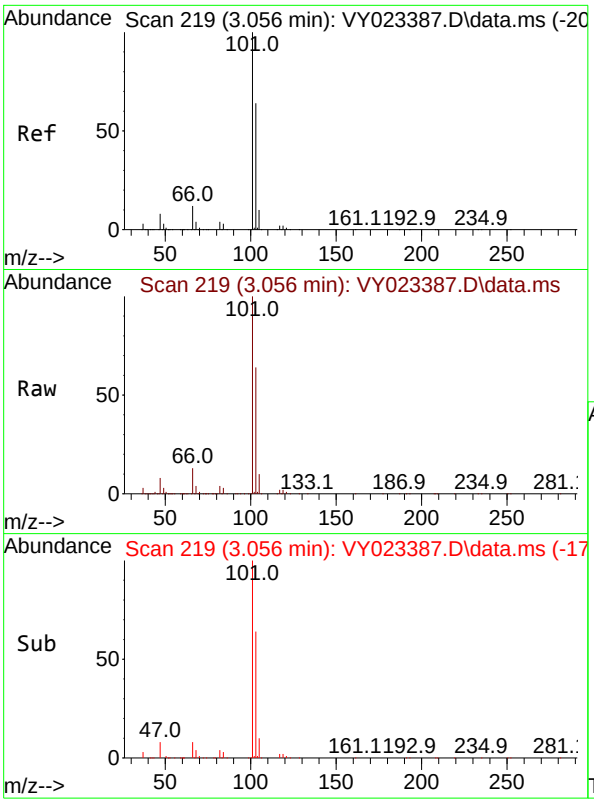


#6
Chloroethane
Concen: 43.157 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 64 Resp: 244551

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.2	39.4

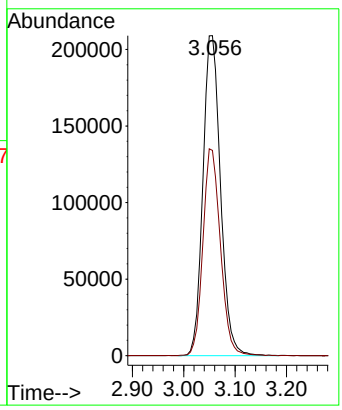




#7
Trichlorofluoromethane
Concen: 46.354 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:101 Resp: 49698

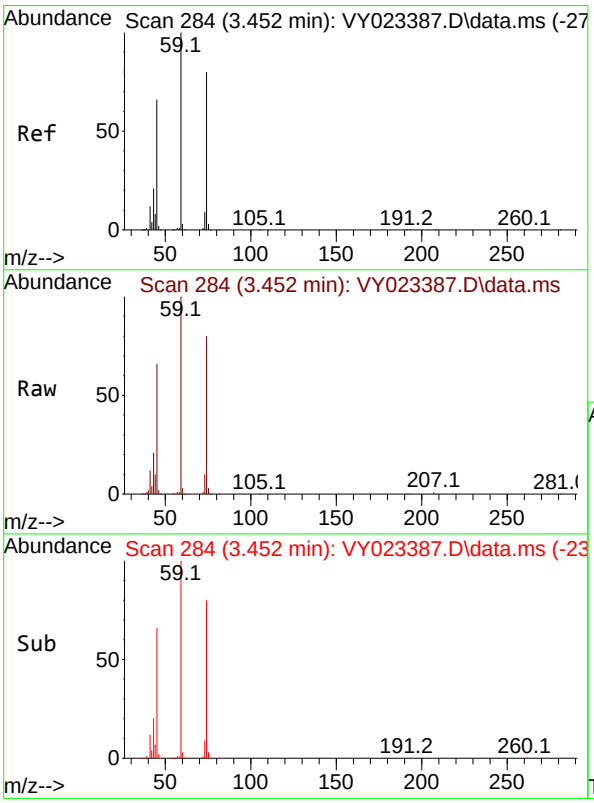
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

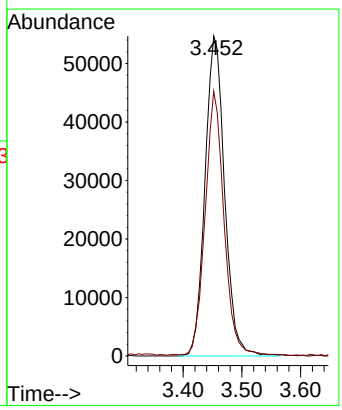
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

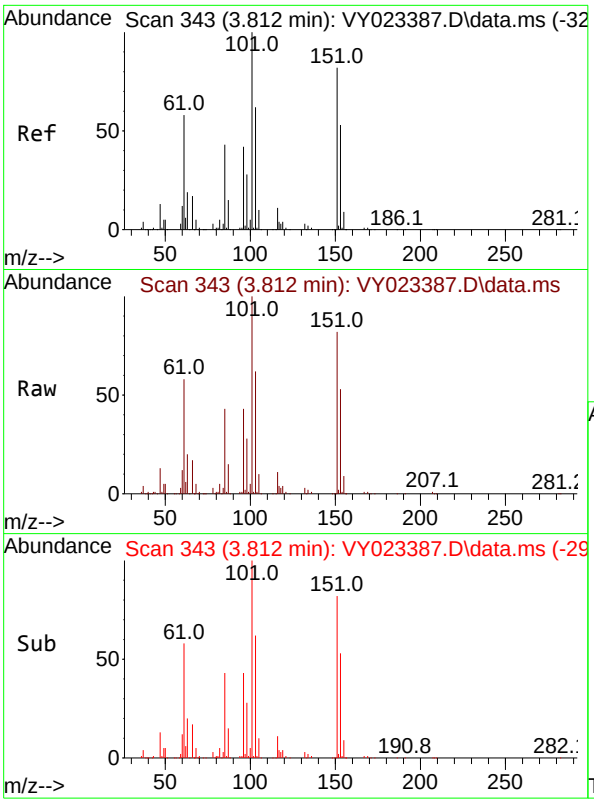


#8
Diethyl Ether
Concen: 45.158 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 74 Resp: 126634

Ion	Ratio	Lower	Upper
74	100		
45	79.8	39.9	119.7

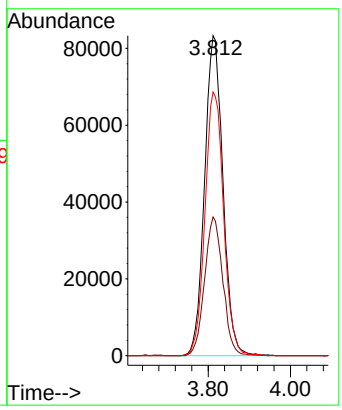




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.039 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:101 Resp: 25810

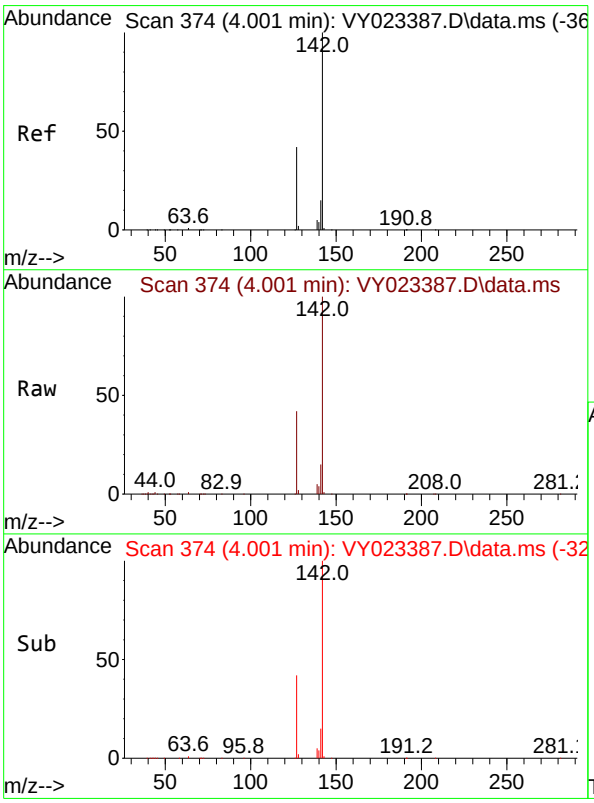
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	83.8	67.0	100.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

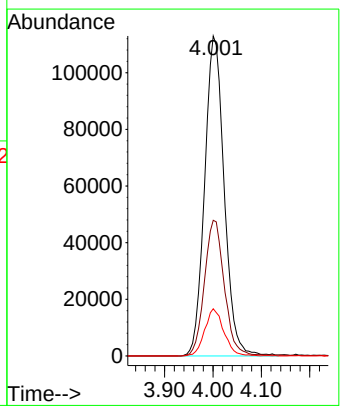
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

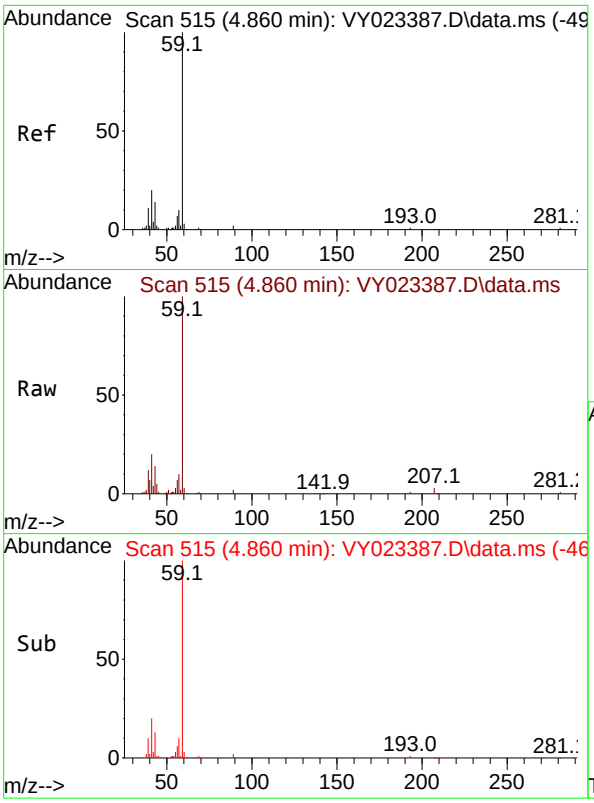


#10
Methyl Iodide
Concen: 47.979 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:142 Resp: 317731

Ion	Ratio	Lower	Upper
142	100		
127	43.5	34.8	52.2
141	14.5	11.6	17.4

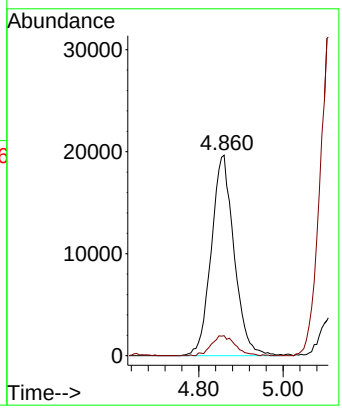




#11
Tert butyl alcohol
Concen: 244.793 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 59 Resp: 7364

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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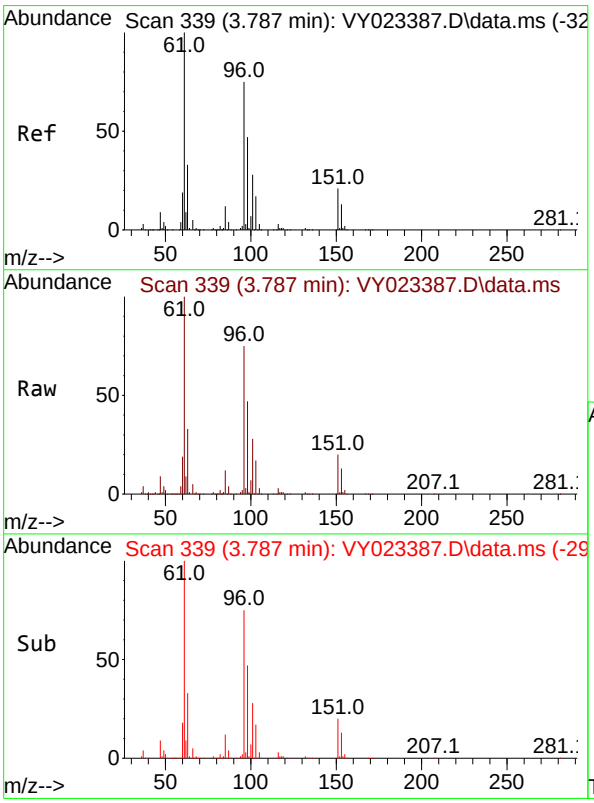
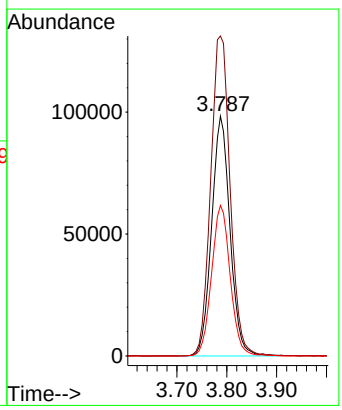
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

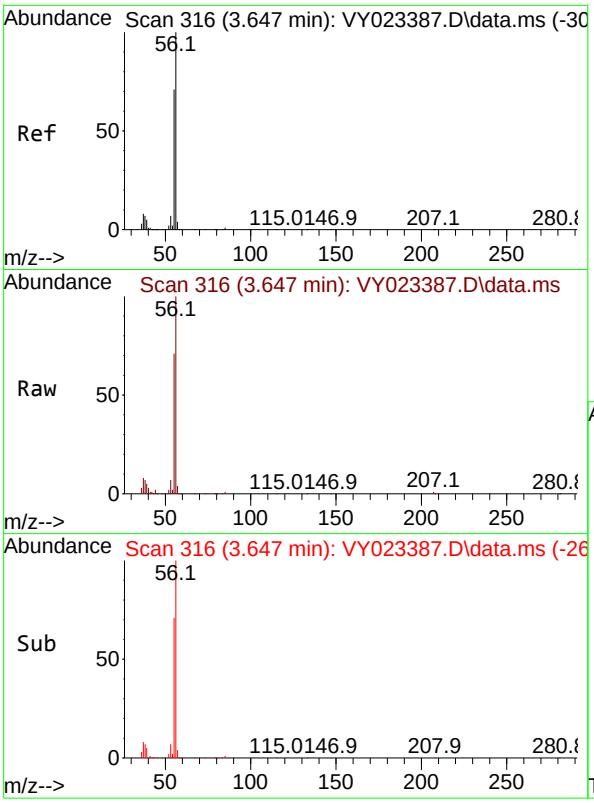


#12
1,1-Dichloroethene
Concen: 45.738 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 96 Resp: 252190

Ion	Ratio	Lower	Upper
96	100		
61	133.4	106.7	160.1
98	62.8	50.2	75.4

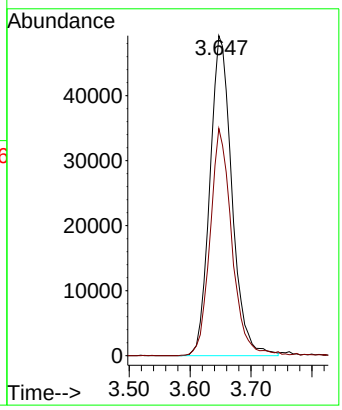




#13
Acrolein
Concen: 242.575 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 56 Resp: 12364

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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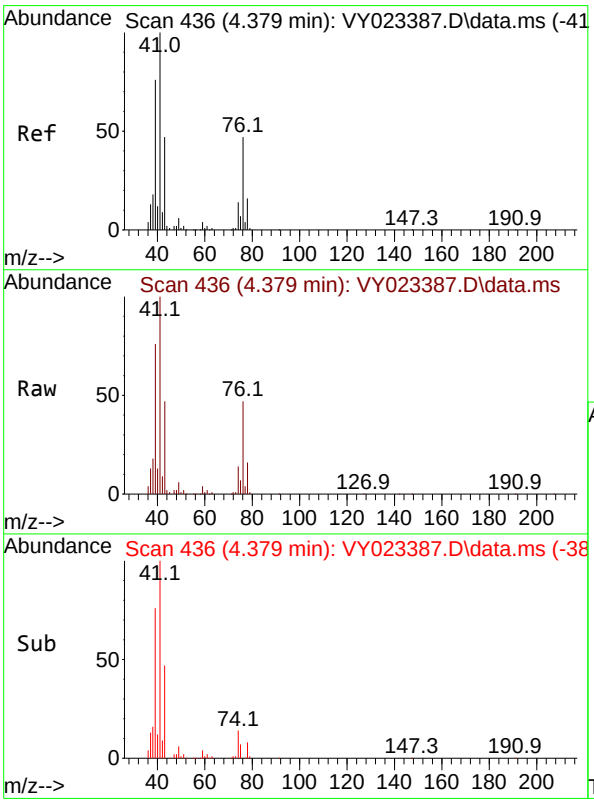
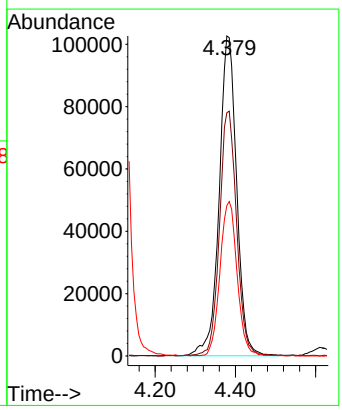
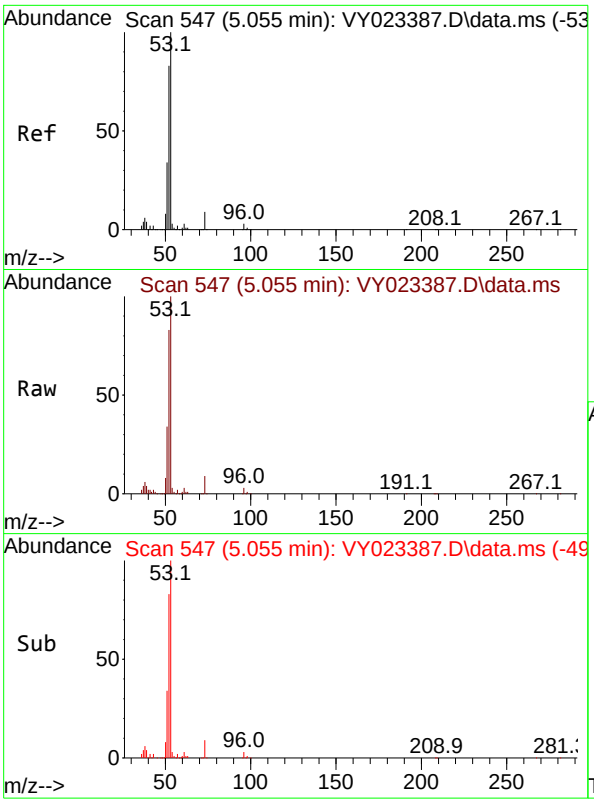


#14
Allyl chloride
Concen: 44.989 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 41 Resp: 310569

Ion	Ratio	Lower	Upper
41	100		
39	74.9	59.9	89.9
76	47.5	38.0	57.0

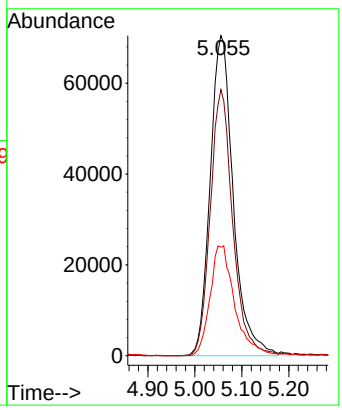




#15
Acrylonitrile
Concen: 219.075 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 53 Resp: 24066

Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.6	97.0
51	36.9	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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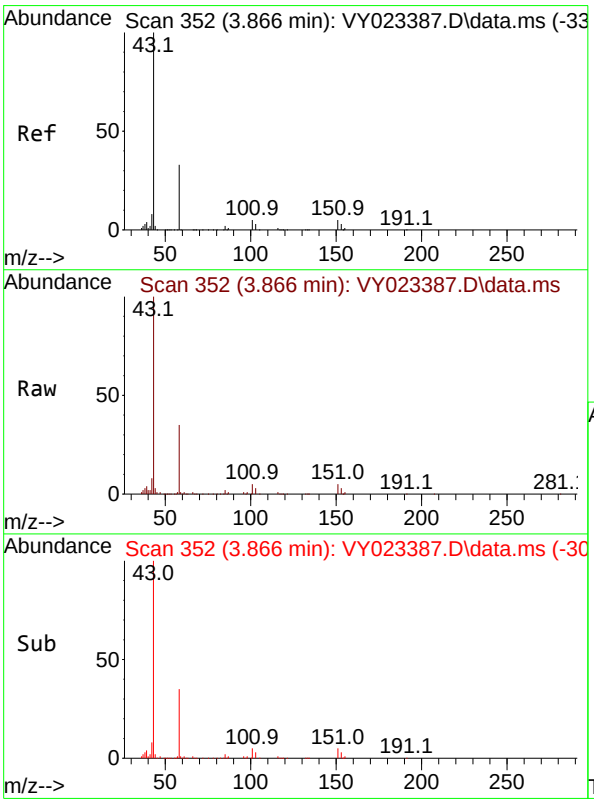
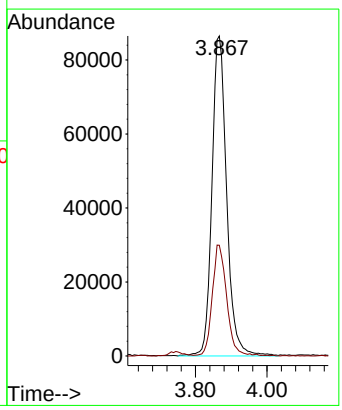
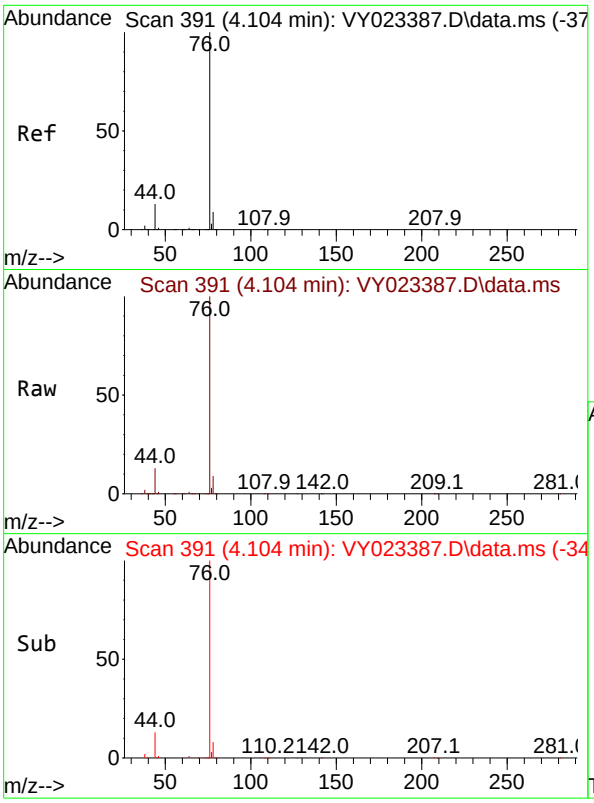


#16
Acetone
Concen: 214.955 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 247122

Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.7	41.5

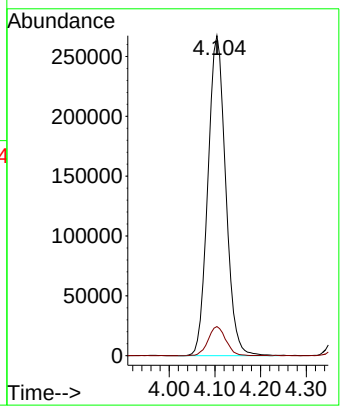




#17
Carbon Disulfide
Concen: 42.028 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 76 Resp: 72298

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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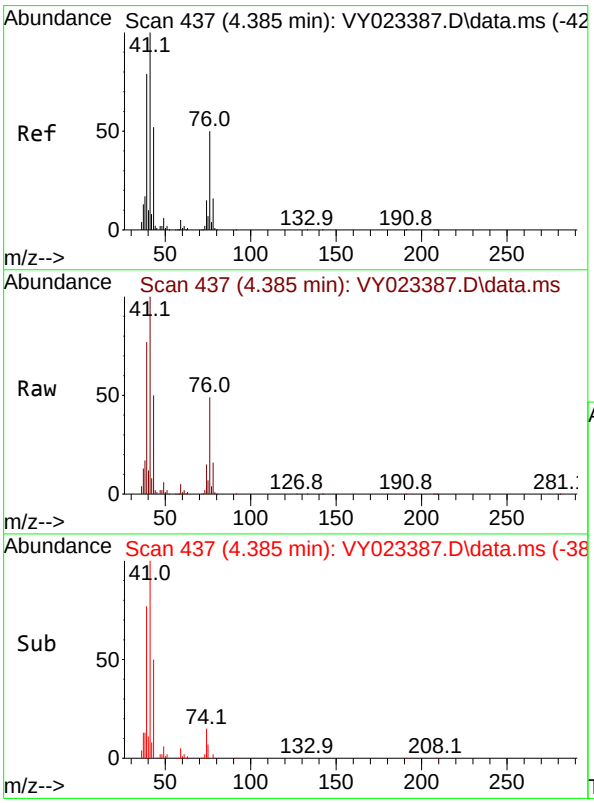
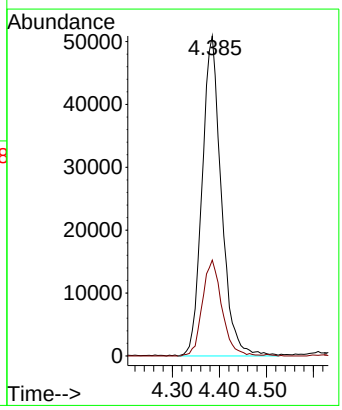
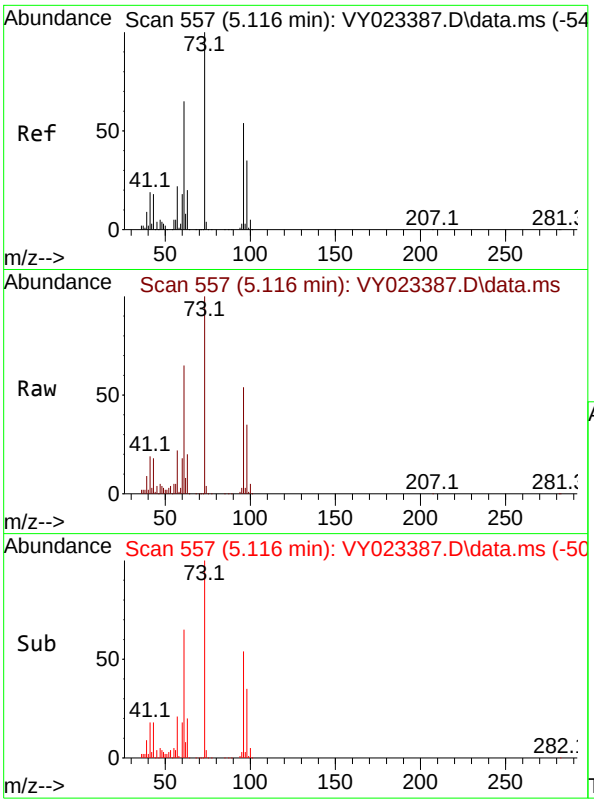


#18
Methyl Acetate
Concen: 49.563 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 144816

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4

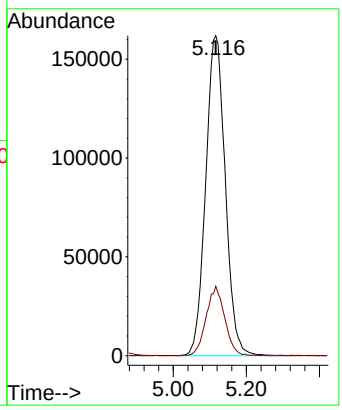




#19
Methyl tert-butyl Ether
Concen: 46.626 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 73 Resp: 60193

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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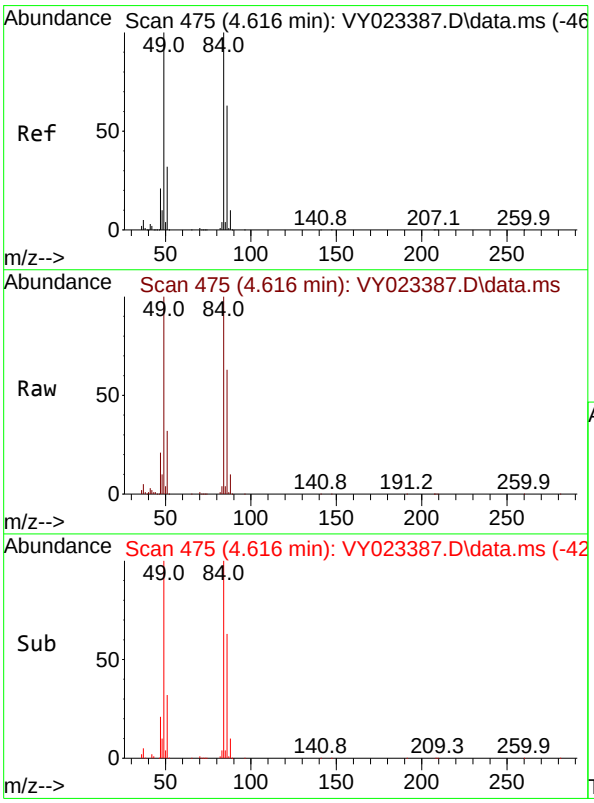
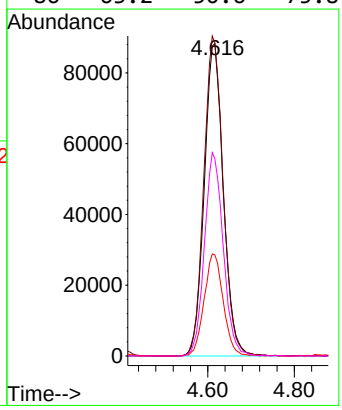
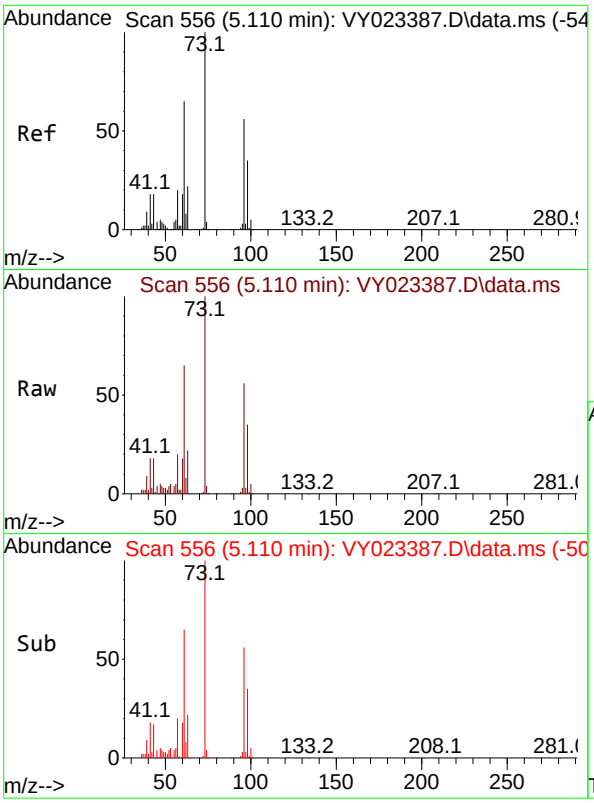


#20
Methylene Chloride
Concen: 43.409 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 84 Resp: 270612

Ion	Ratio	Lower	Upper
84	100		
49	100.3	80.2	120.4
51	32.4	25.9	38.9
86	63.2	50.6	75.8

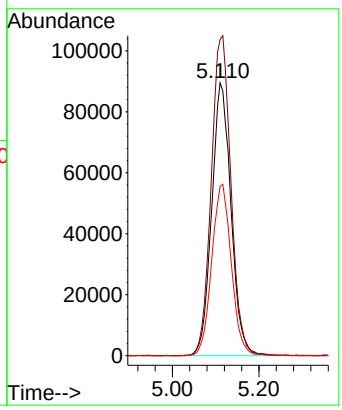




#21
trans-1,2-Dichloroethene
Concen: 45.256 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 96 Resp: 27751

Ion	Ratio	Lower	Upper
96	100		
61	115.9	92.7	139.1
98	62.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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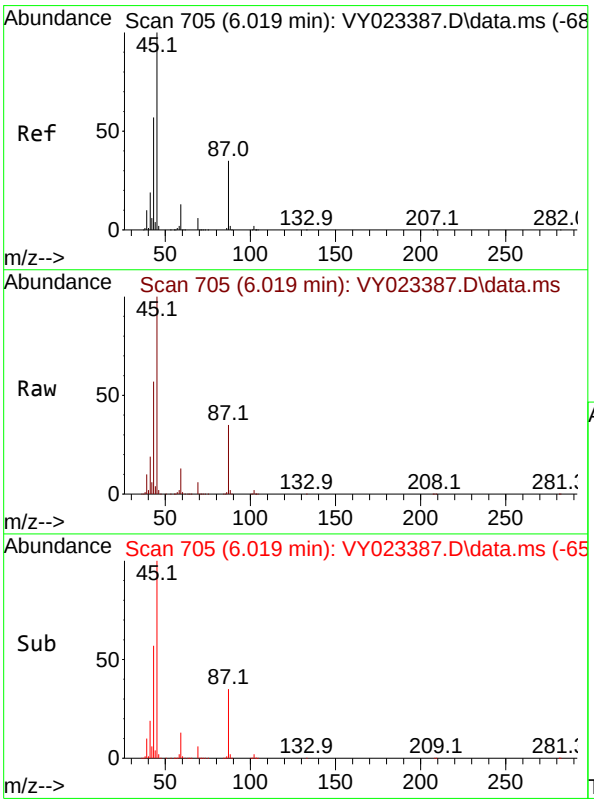
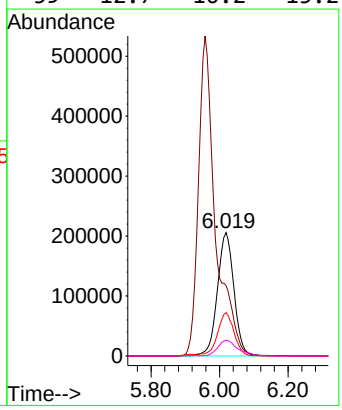
Supervised By :Mahesh Dadoda 10/10/2025

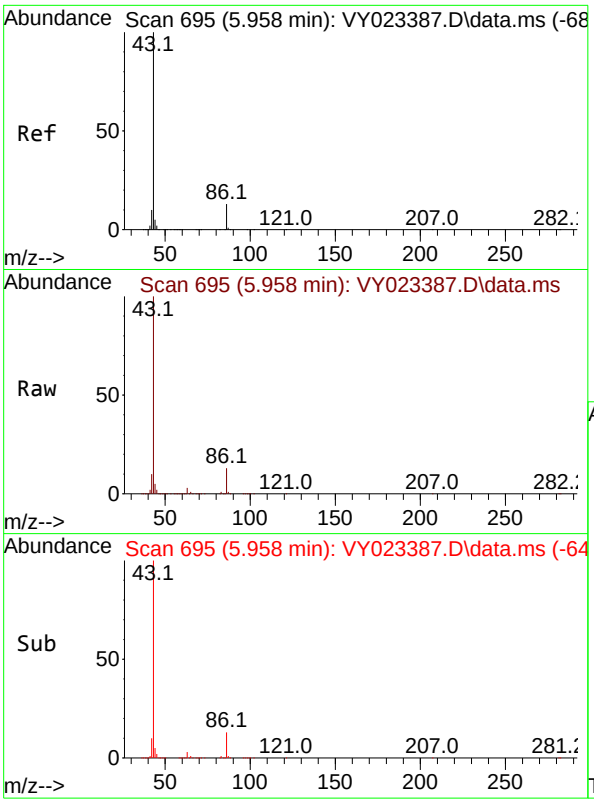


#22
Diisopropyl ether
Concen: 44.844 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 45 Resp: 686481

Ion	Ratio	Lower	Upper
45	100		
43	57.0	45.6	68.4
87	35.1	28.1	42.1
59	12.7	10.2	15.2

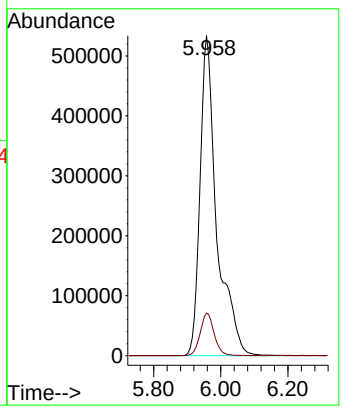




#23
Vinyl Acetate
Concen: 219.119 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 184378

Ion	Ratio	Lower	Upper
43	100		
86	13.2	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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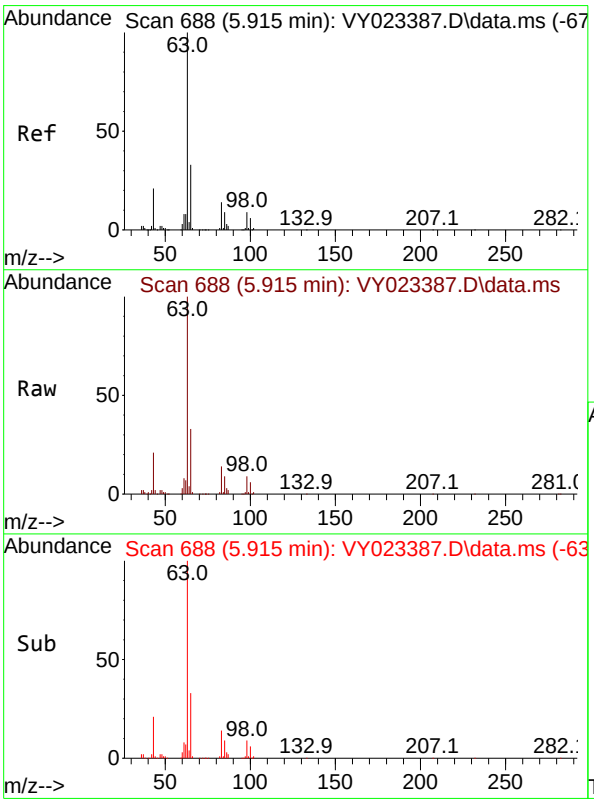
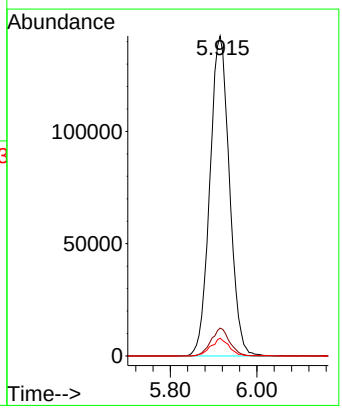
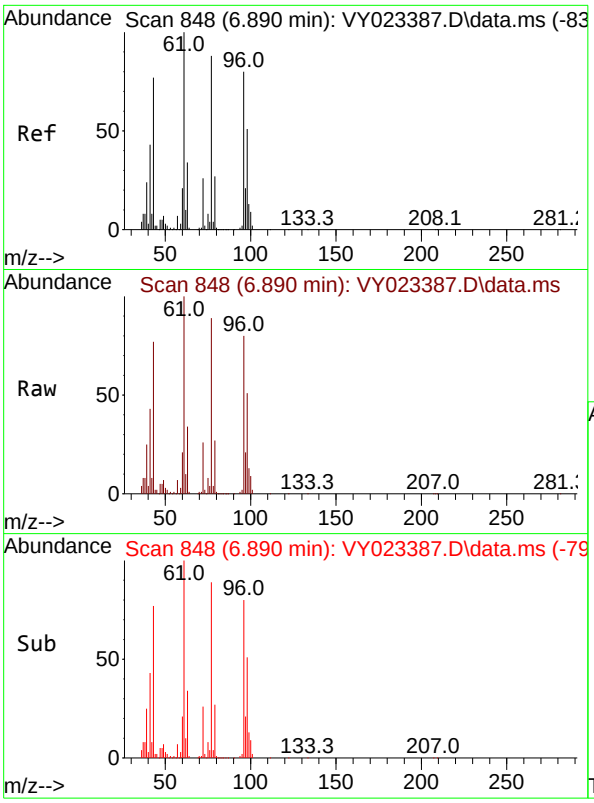


#24
1,1-Dichloroethane
Concen: 44.423 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 448267

Ion	Ratio	Lower	Upper
63	100		
98	8.7	4.3	13.1
100	5.6	2.8	8.4

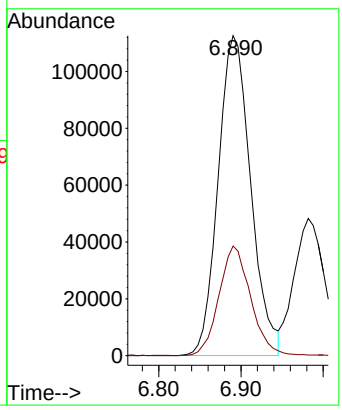




#25
2-Butanone
Concen: 218.327 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 31023

Ion	Ratio	Lower	Upper
43	100		
72	34.3	27.4	41.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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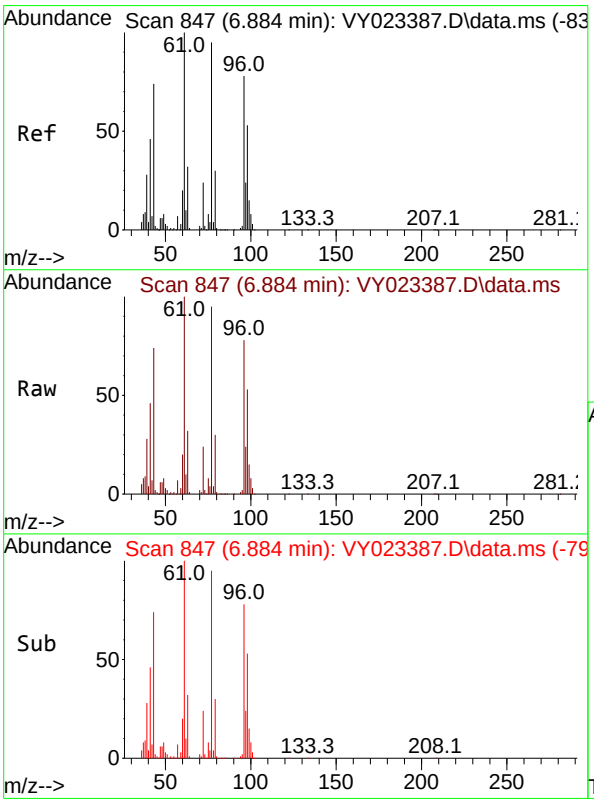
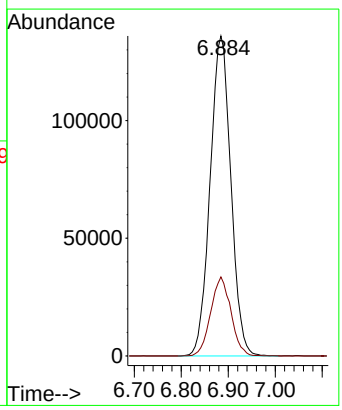
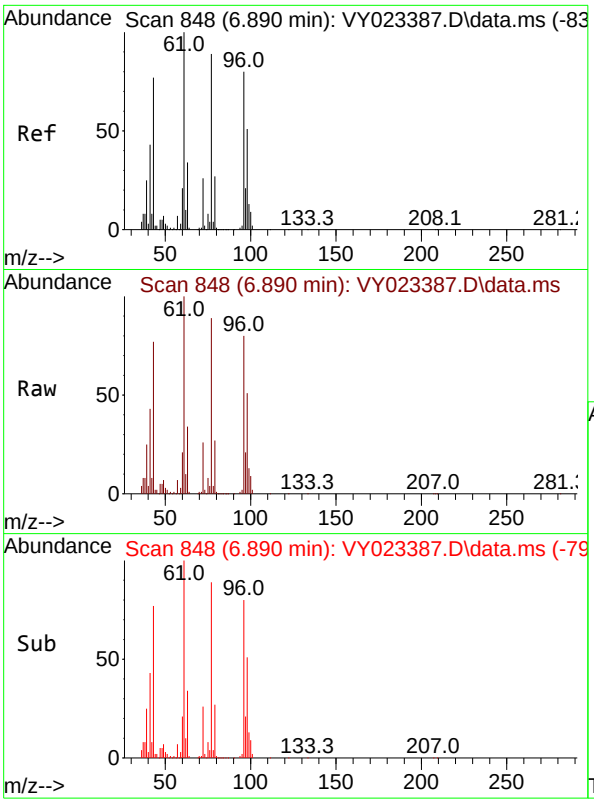


#26
2,2-Dichloropropane
Concen: 46.440 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 77 Resp: 416391

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 46.010 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 96 Resp: 32002

Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	258.2
98	66.0	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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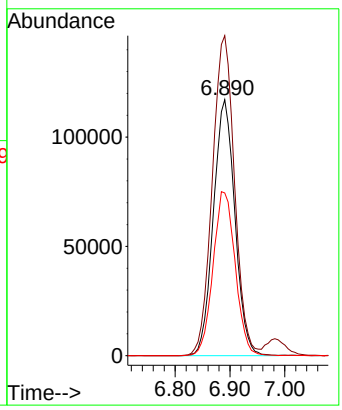
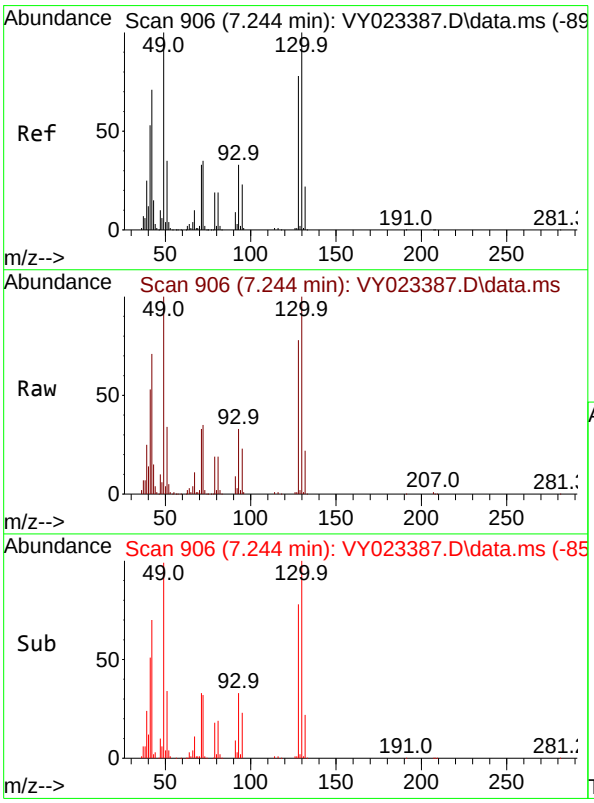
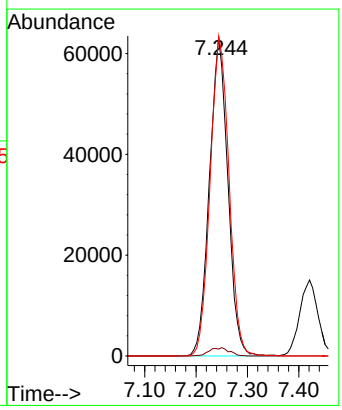


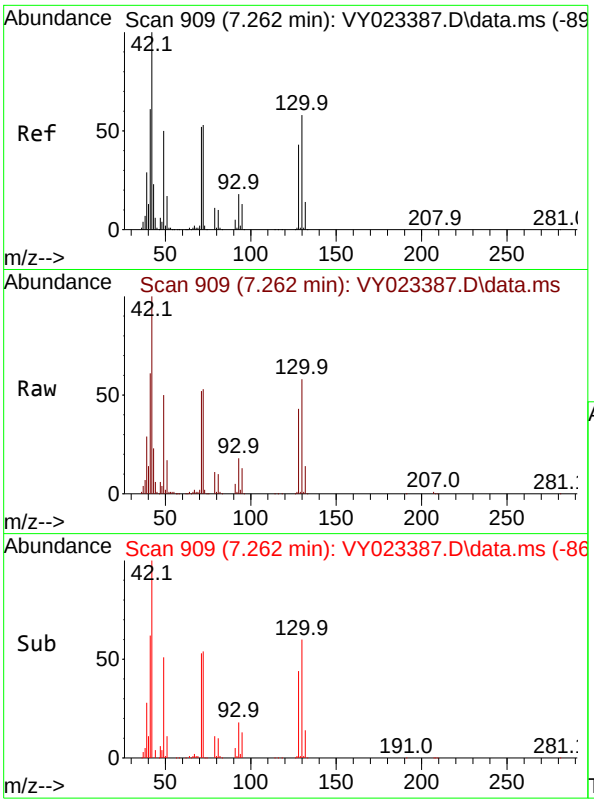


#28
Bromochloromethane
Concen: 40.211 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 49 Resp: 157414

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	102.4	81.9	122.9





#29
Tetrahydrofuran
Concen: 222.653 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 42 Resp: 18778

Ion	Ratio	Lower	Upper
42	100		
72	53.8	43.0	64.6
71	50.1	40.1	60.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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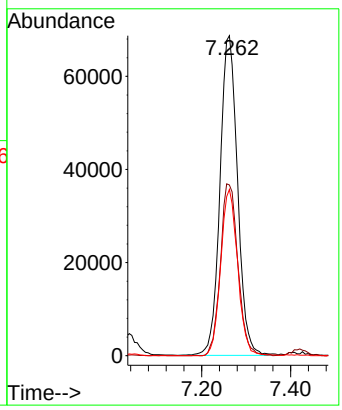
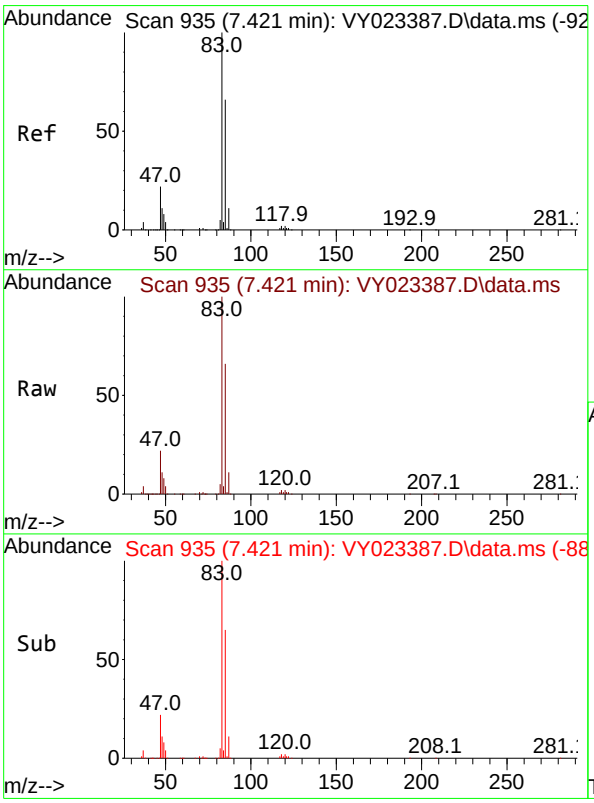
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

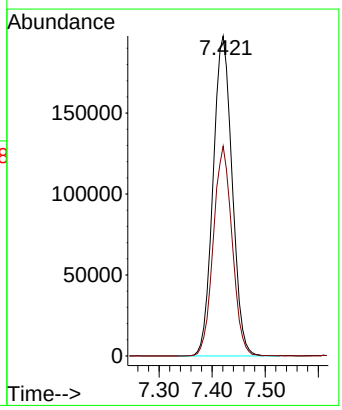


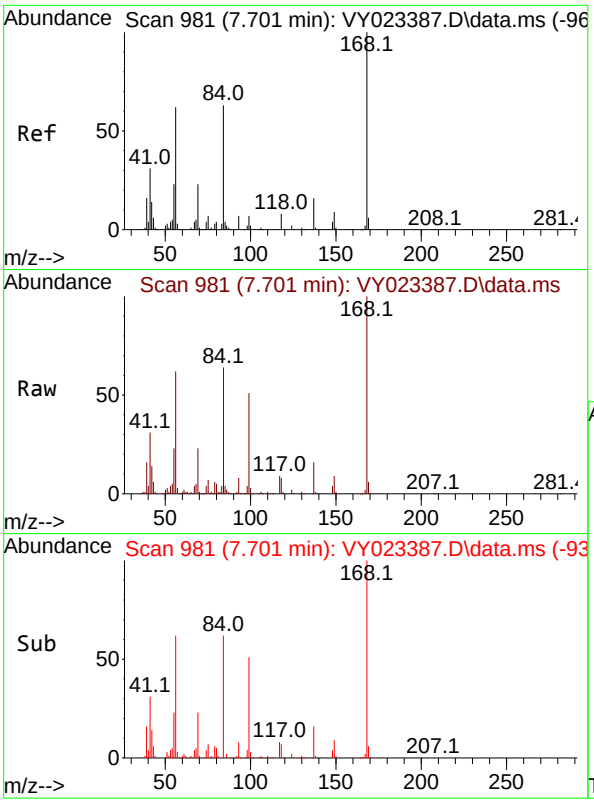


#30
Chloroform
Concen: 45.316 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 493098

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7





#31
Cyclohexane
Concen: 42.602 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 56 Resp: 37964

Ion	Ratio	Lower	Upper
56	100		
69	37.5	30.0	45.0
84	101.5	81.2	121.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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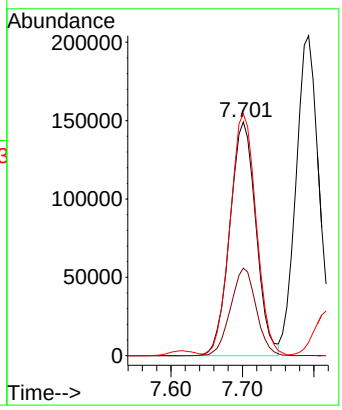
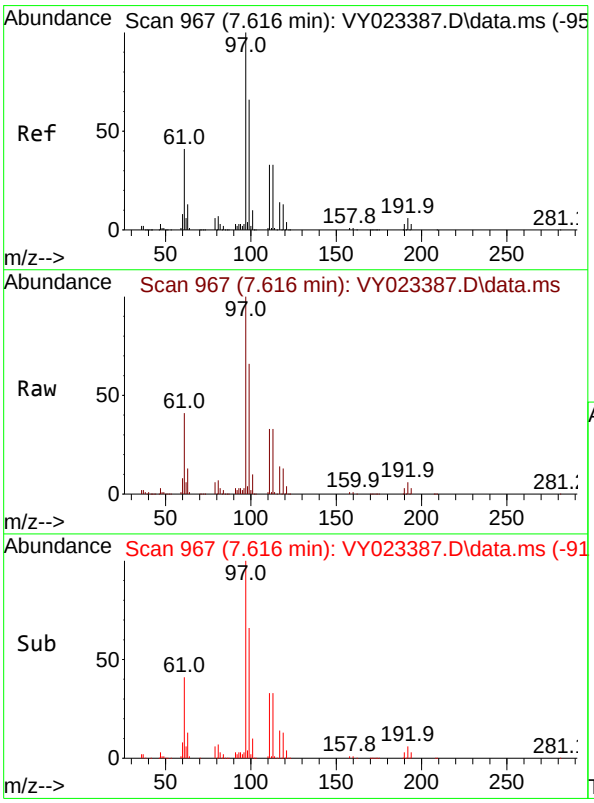
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

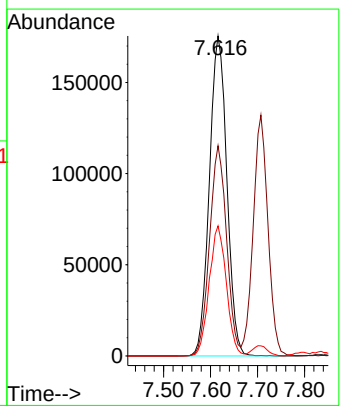


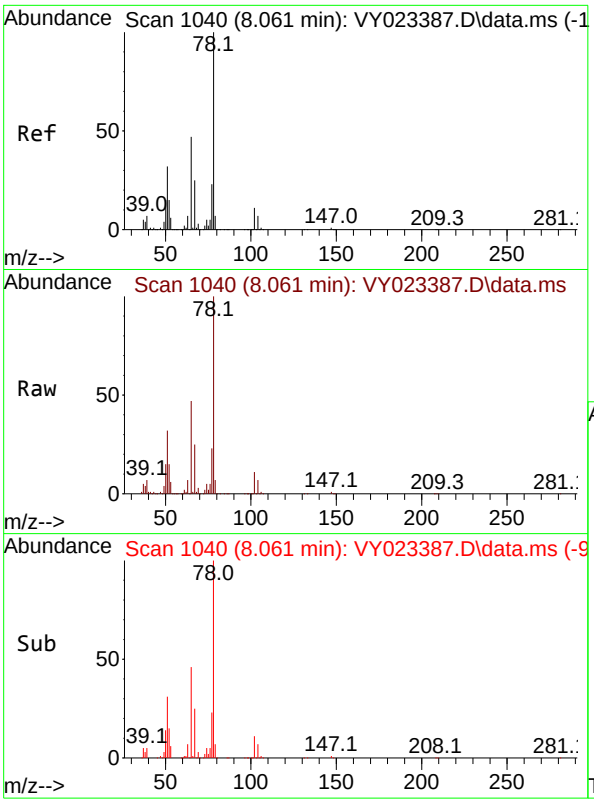


#32
1,1,1-Trichloroethane
Concen: 46.347 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 97 Resp: 452713

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.9	31.9	47.9

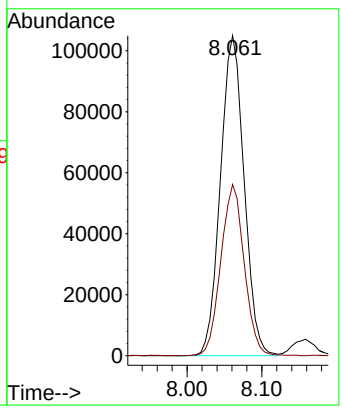




#33
1,2-Dichloroethane-d4
Concen: 45.240 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 65 Resp: 2312

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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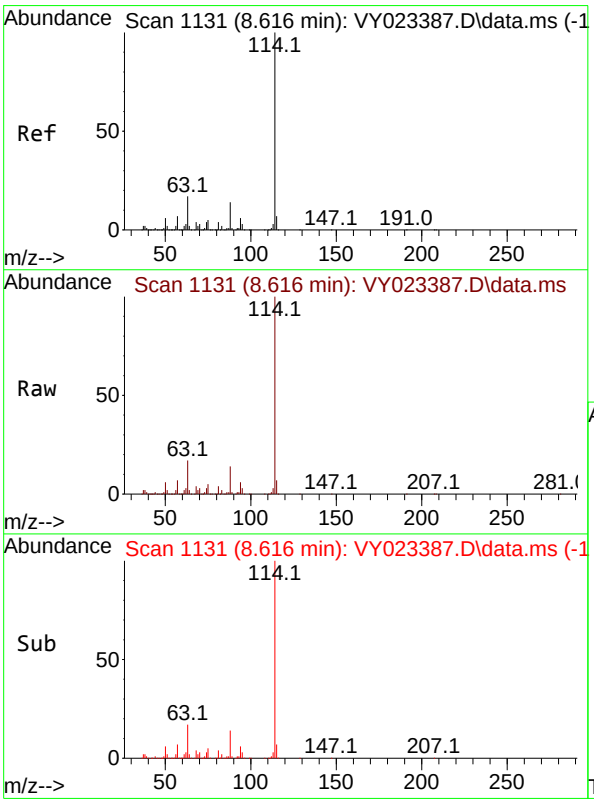
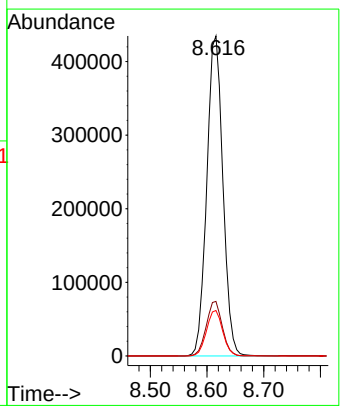
Supervised By :Mahesh Dadoda 10/10/2025

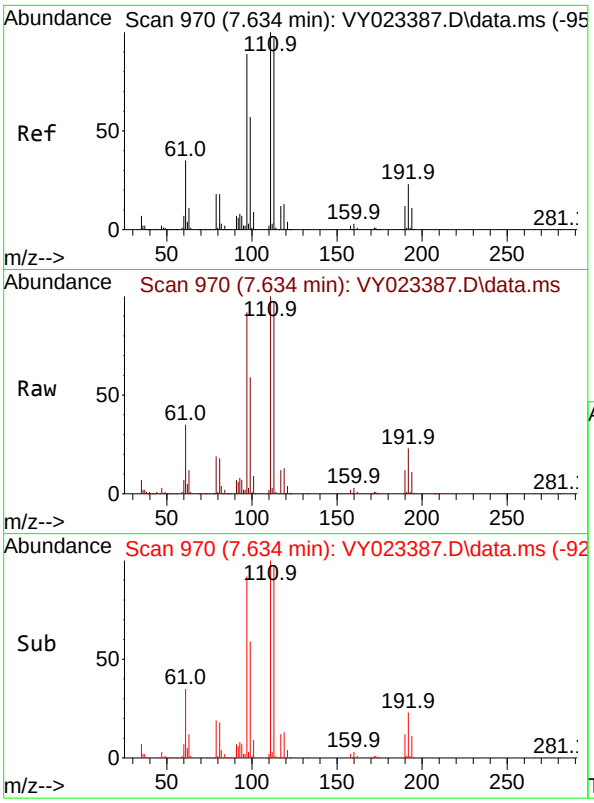


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:114 Resp: 858767

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	34.2
88	14.2	0.0	28.4

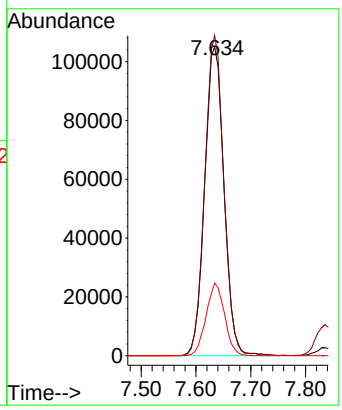




#35
Dibromofluoromethane
Concen: 49.185 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:113 Resp: 25633

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	22.5	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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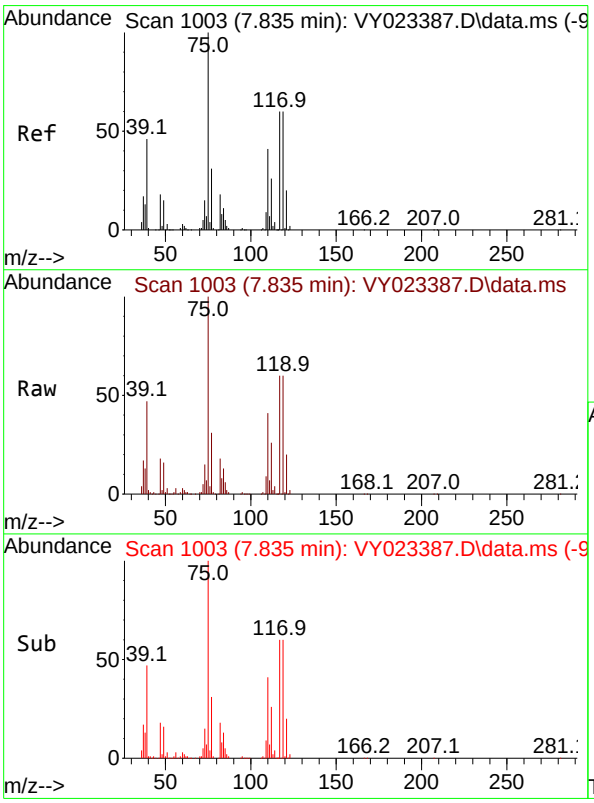
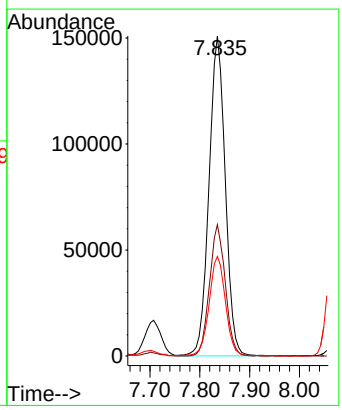
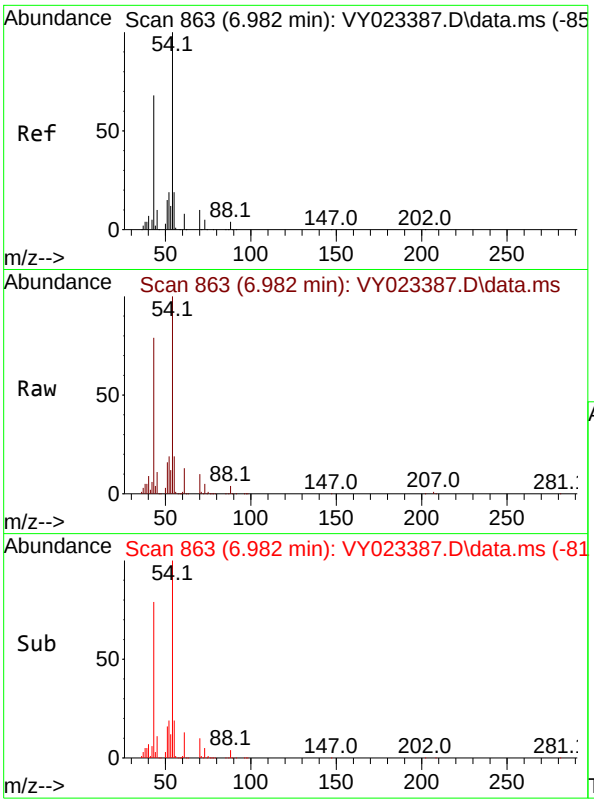


#36
1,1-Dichloropropene
Concen: 46.424 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 341353

Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.9	59.7
77	31.3	25.0	37.6

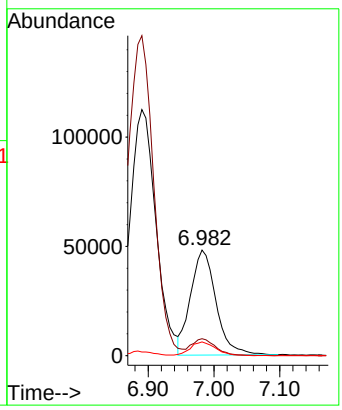




#37
Ethyl Acetate
Concen: 44.394 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 12905

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	13.1	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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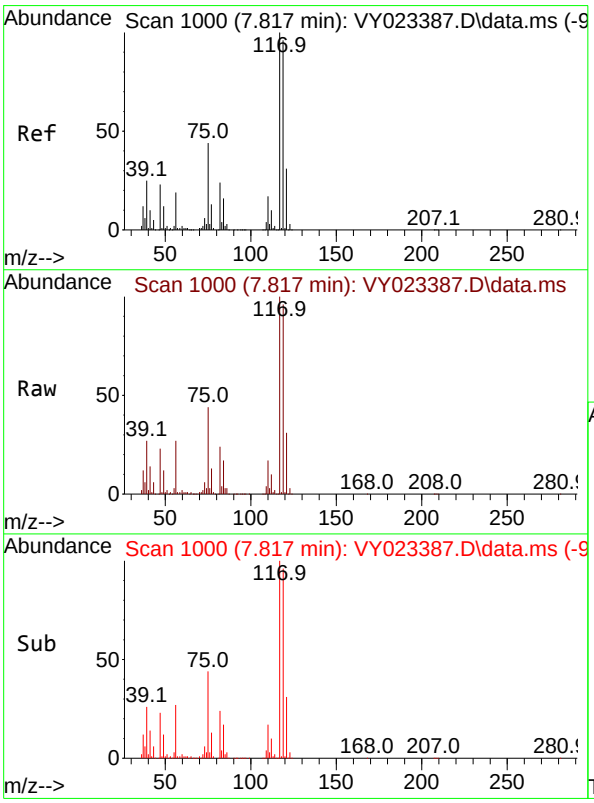
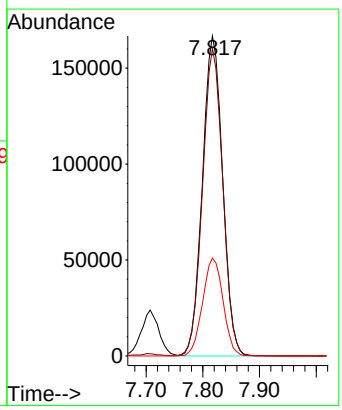
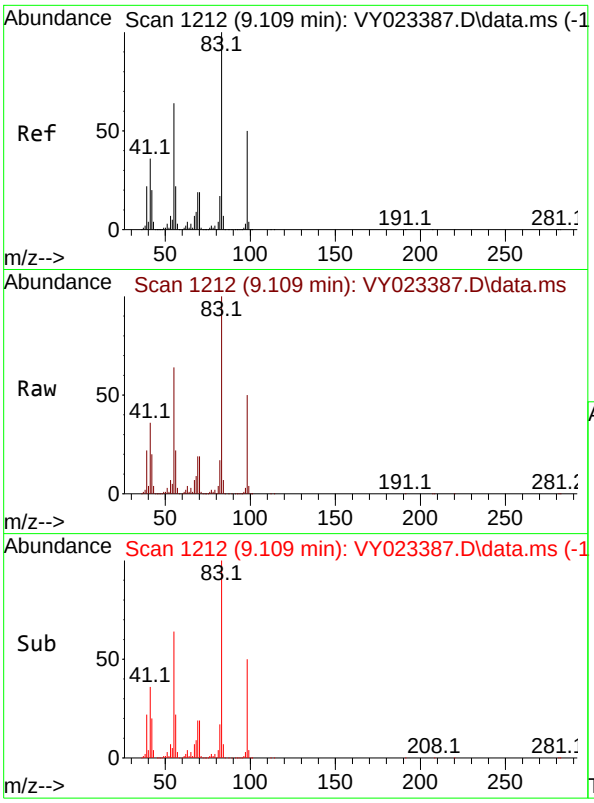


#38
Carbon Tetrachloride
Concen: 48.374 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:117 Resp: 413187

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	30.6	24.5	36.7





#39
Methylcyclohexane
Concen: 48.113 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 45295

Ion	Ratio	Lower	Upper
83	100		
55	64.3	51.4	77.2
98	50.5	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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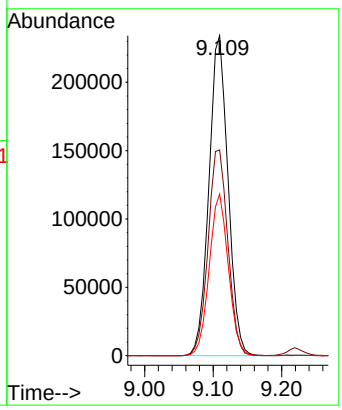
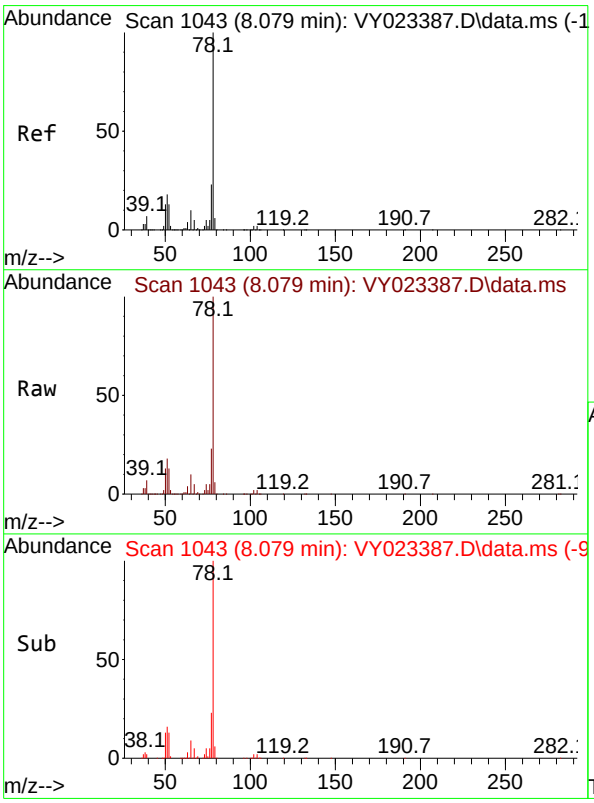
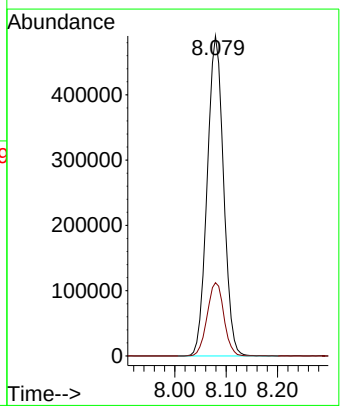


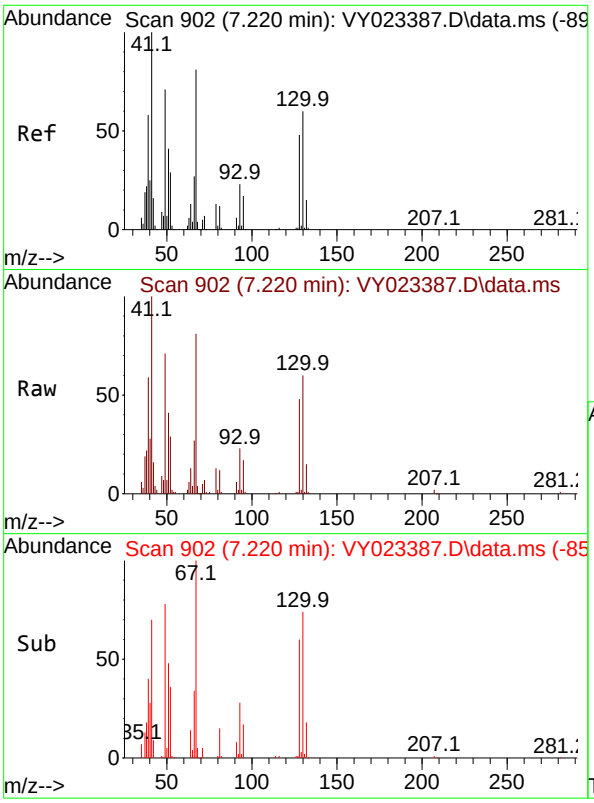


#40
Benzene
Concen: 47.154 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 78 Resp: 1080883

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5

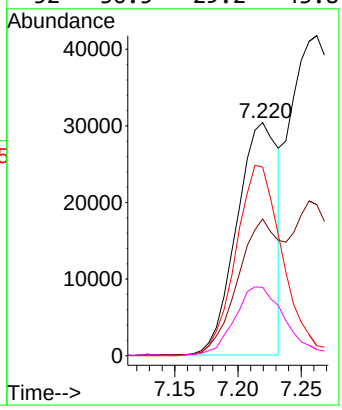




#41
Methacrylonitrile
Concen: 45.399 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 41 Resp: 6854

Ion	Ratio	Lower	Upper
41	100		
39	65.3	52.2	78.4
67	93.6	74.9	112.3
52	36.5	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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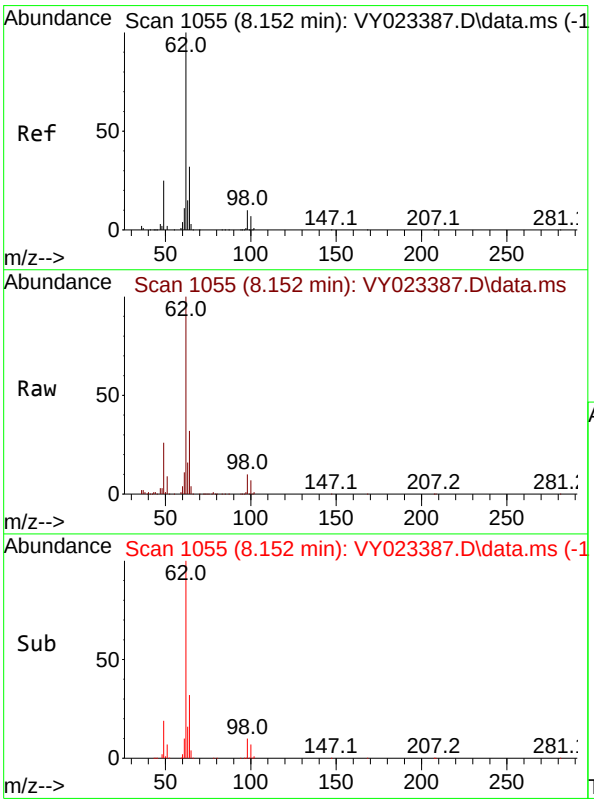
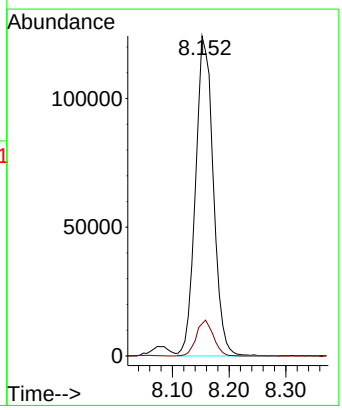
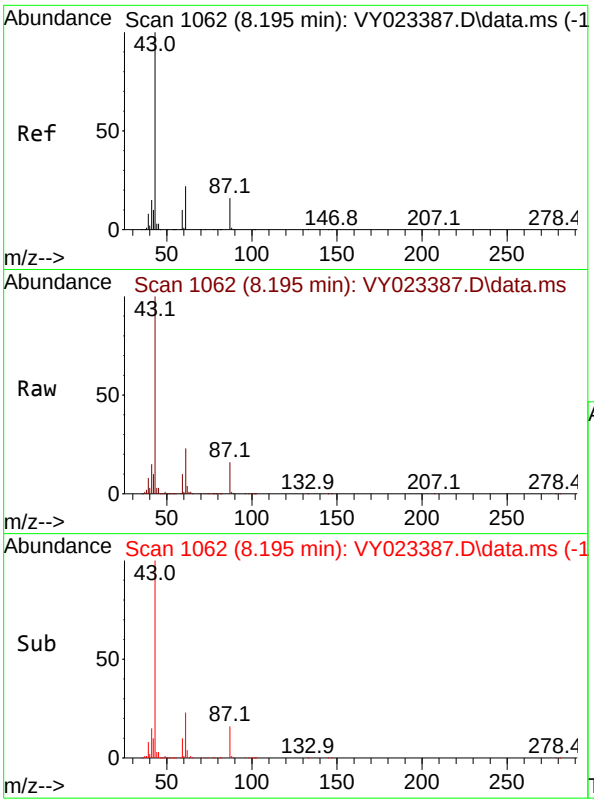


#42
1,2-Dichloroethane
Concen: 46.350 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 62 Resp: 270387

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.6

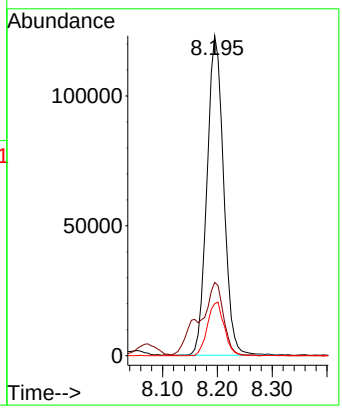




#43
Isopropyl Acetate
Concen: 45.811 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 25904

Ion	Ratio	Lower	Upper
43	100		
61	22.6	18.1	27.1
87	16.9	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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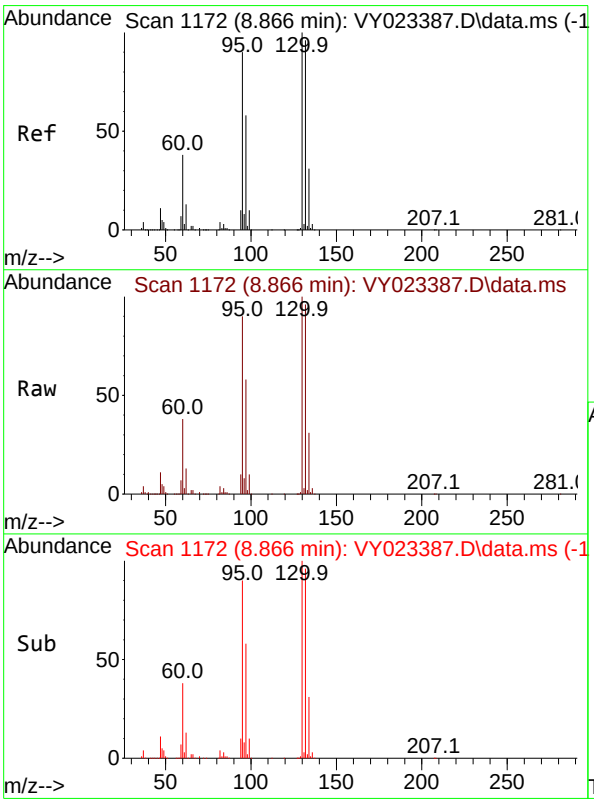
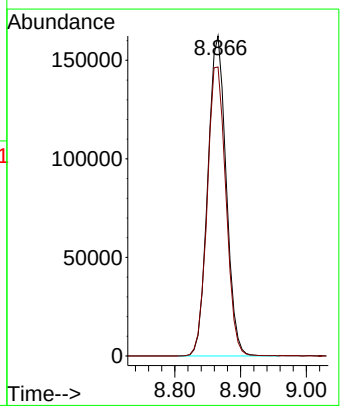
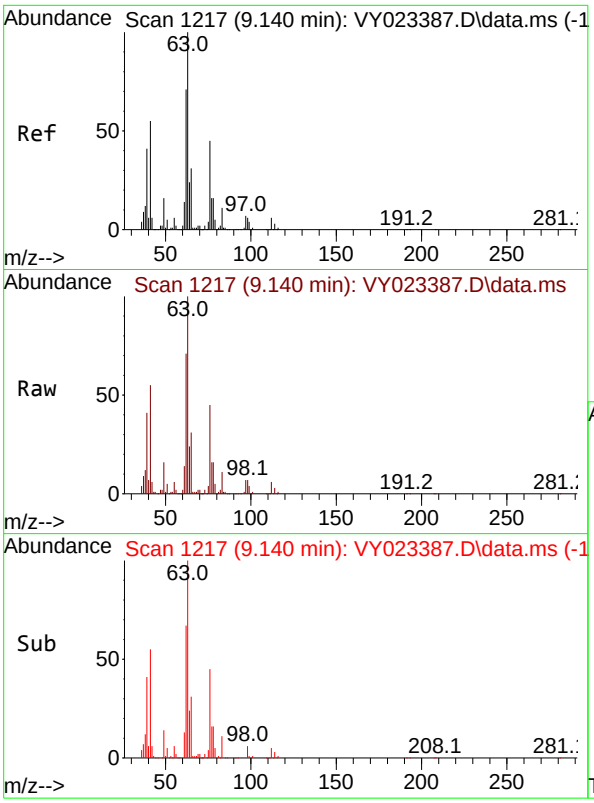


#44
Trichloroethene
Concen: 48.982 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:130 Resp: 315104

Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	180.6

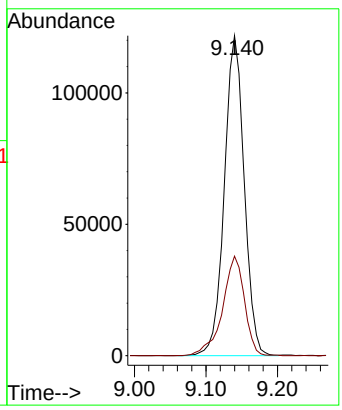




#45
1,2-Dichloropropane
Concen: 45.555 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 23497

Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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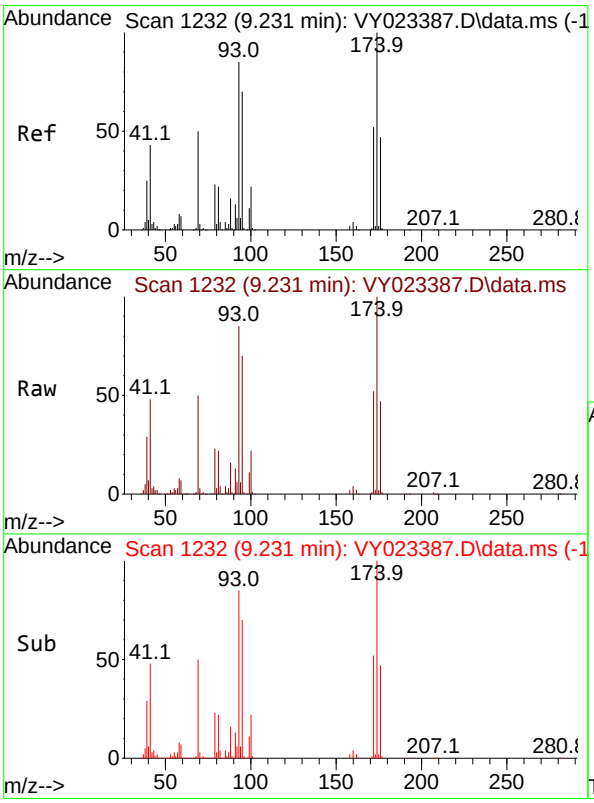
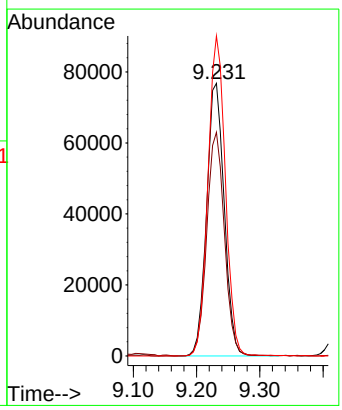
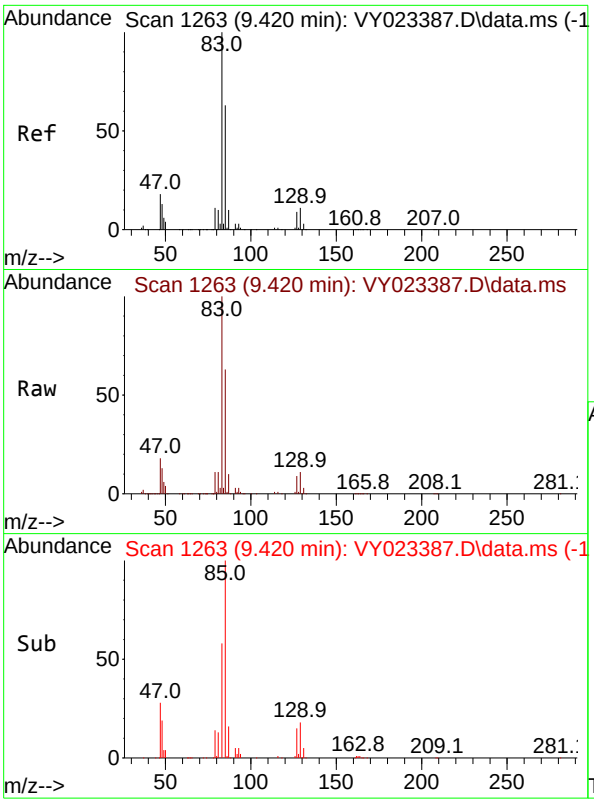


#46
Dibromomethane
Concen: 47.198 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 93 Resp: 148914

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.4	98.0
174	116.1	92.9	139.3

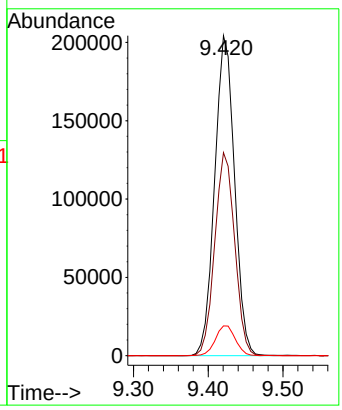




#47
Bromodichloromethane
Concen: 47.482 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 37708

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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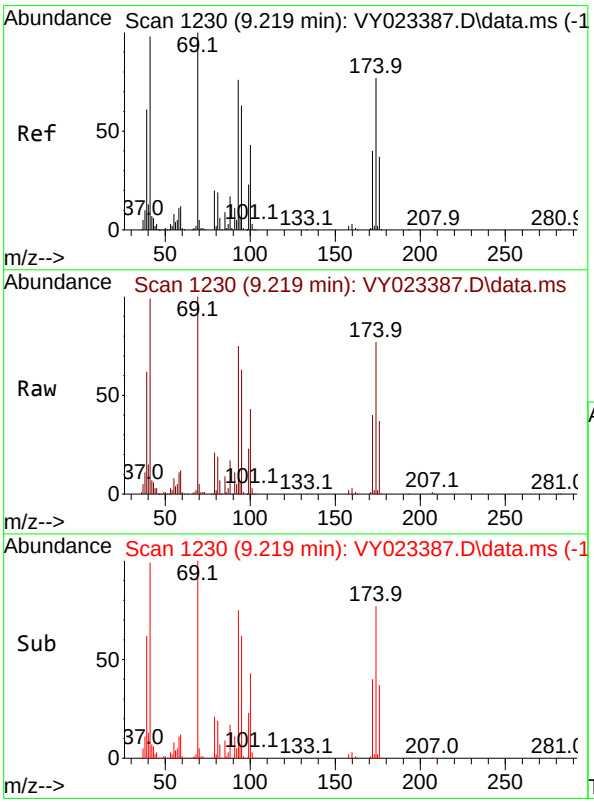
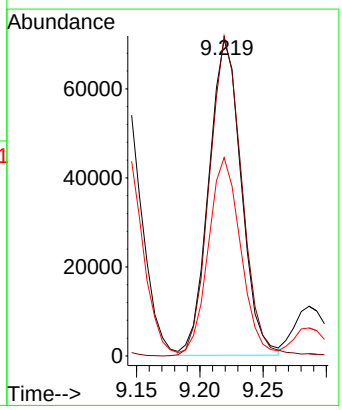
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

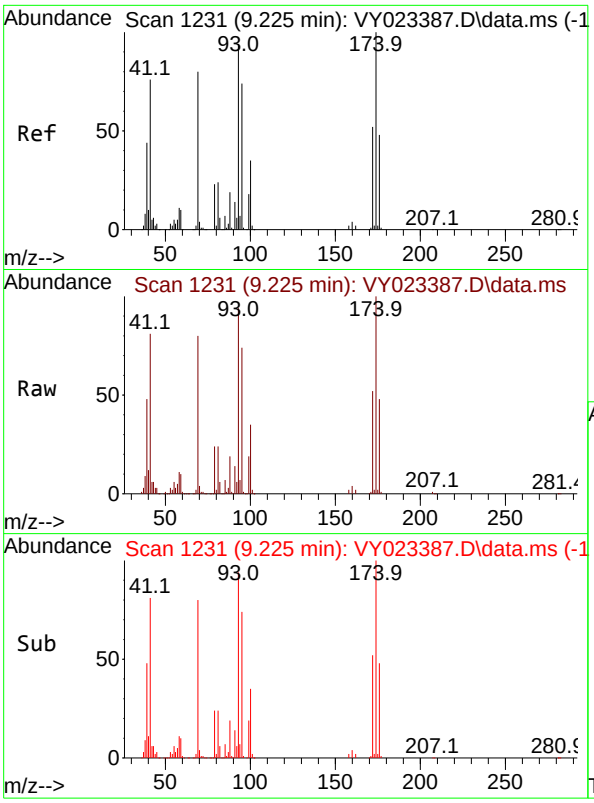


#48
Methyl methacrylate
Concen: 48.027 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 41 Resp: 126732

Ion	Ratio	Lower	Upper
41	100		
69	101.2	81.0	121.4
39	60.3	48.2	72.4

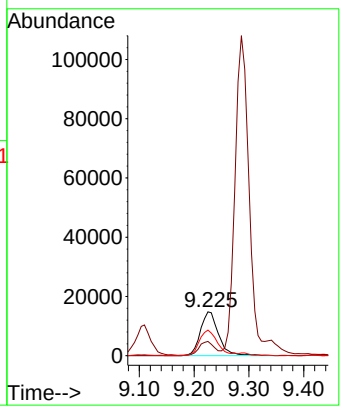




#49
1,4-Dioxane
Concen: 1042.312 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 88 Resp: 3405

Ion	Ratio	Lower	Upper
88	100		
43	27.3	21.8	32.8
58	58.5	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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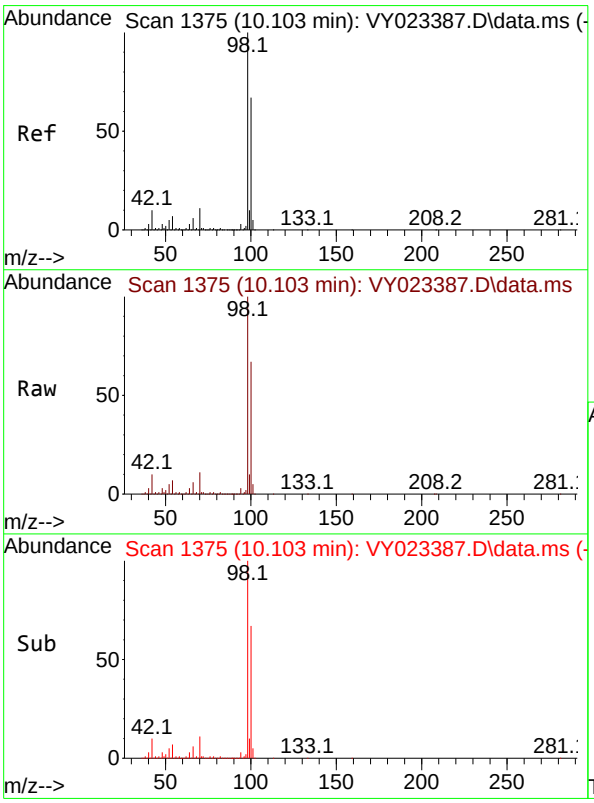
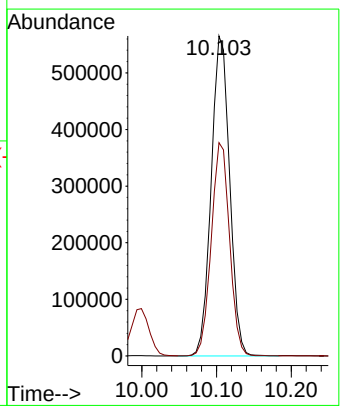
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

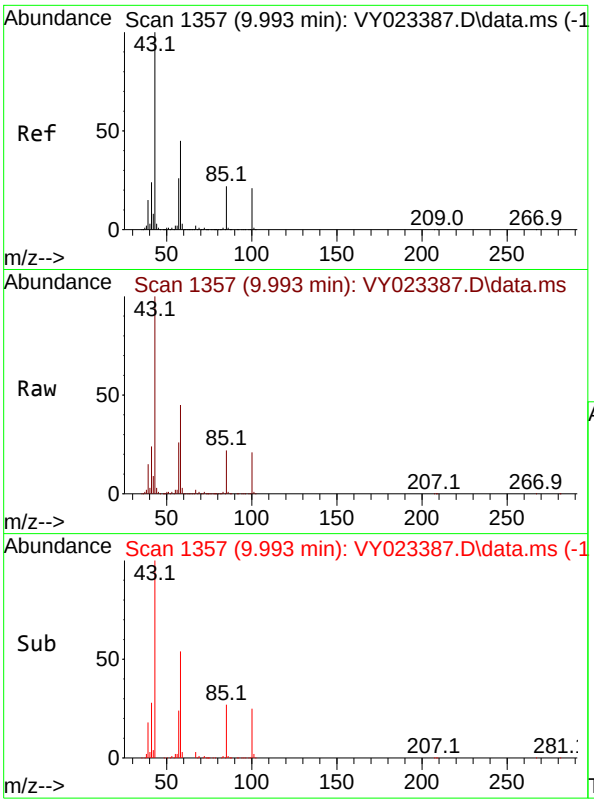


#50
Toluene-d8
Concen: 49.334 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 98 Resp: 969649

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

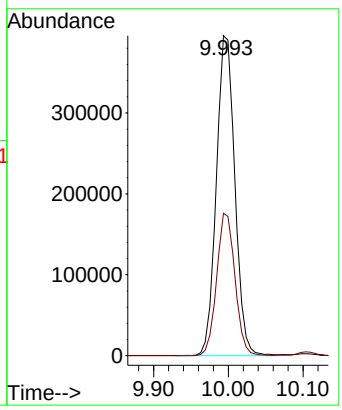




#51
4-Methyl-2-Pentanone
Concen: 235.772 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 68287

Ion	Ratio	Lower	Upper
43	100		
58	44.1	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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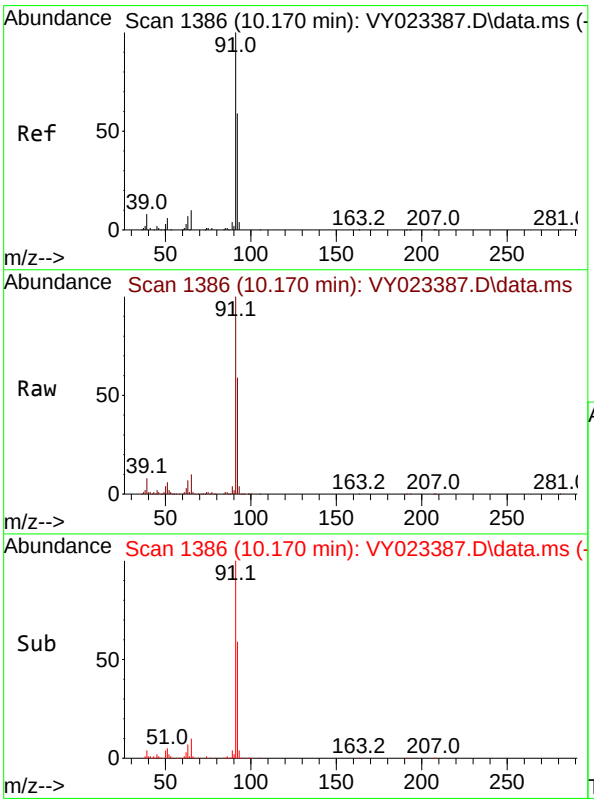
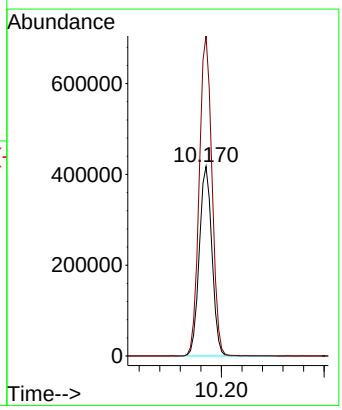
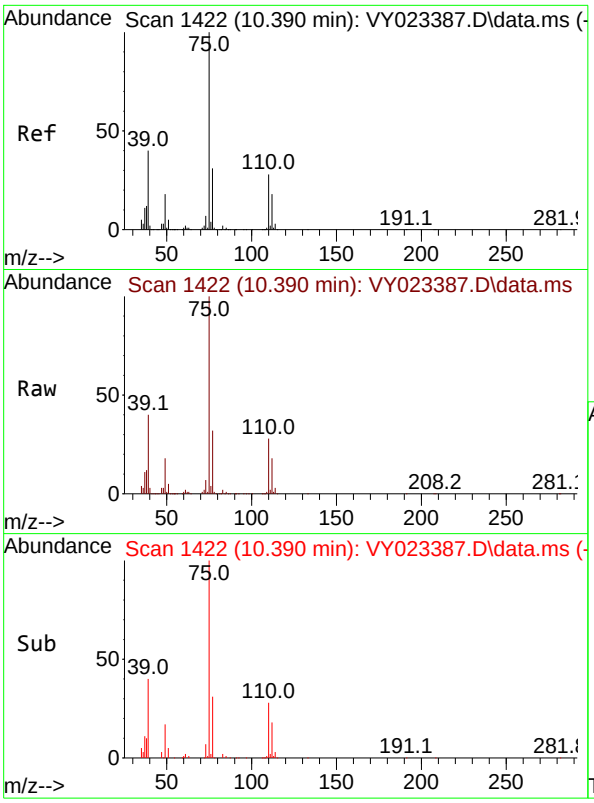


#52
Toluene
Concen: 48.824 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 92 Resp: 710404

Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 48.438 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 33039

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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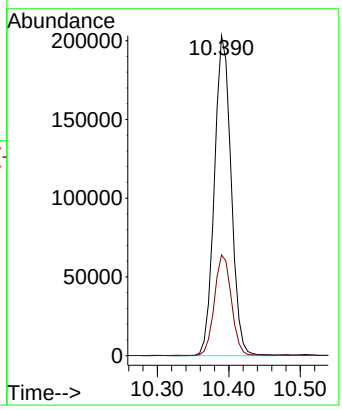
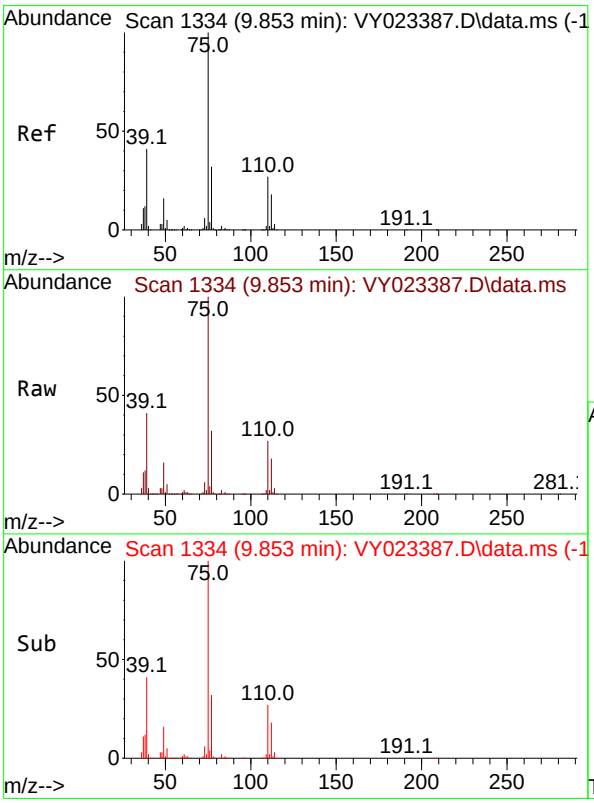
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

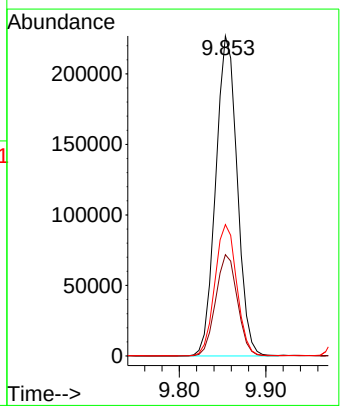


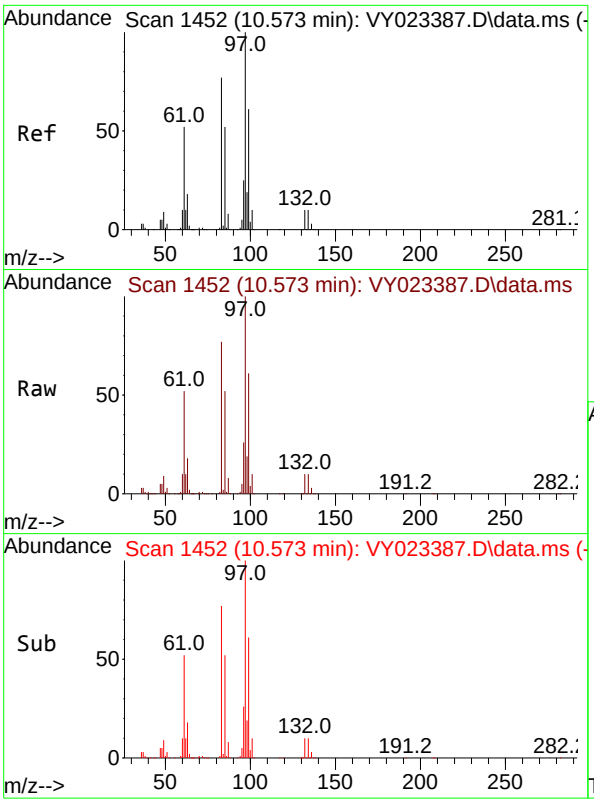


#54
cis-1,3-Dichloropropene
Concen: 47.910 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 390619

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	41.0	32.8	49.2

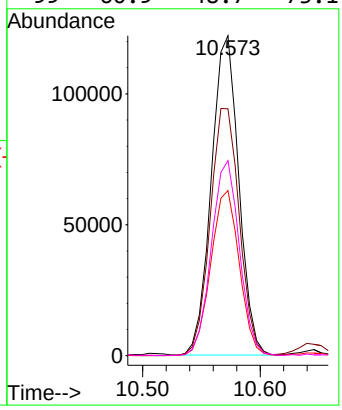




#55
1,1,2-Trichloroethane
Concen: 47.296 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 97 Resp: 19847

Ion	Ratio	Lower	Upper
97	100		
83	77.2	61.8	92.6
85	51.6	41.3	61.9
99	60.9	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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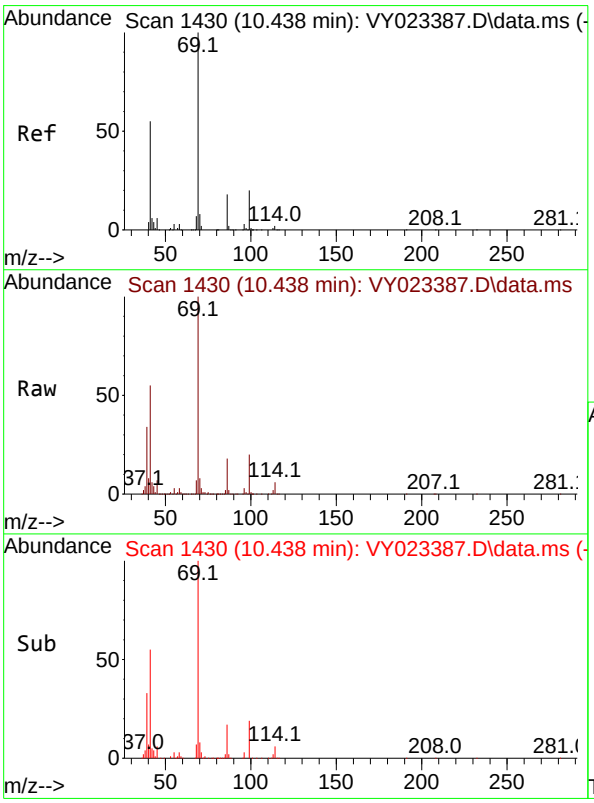
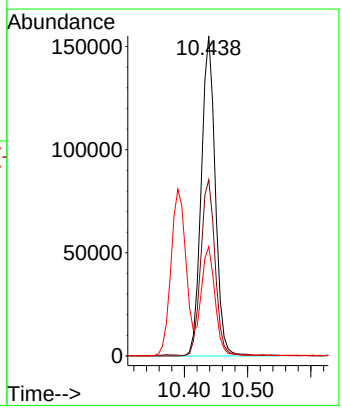
Supervised By :Mahesh Dadoda 10/10/2025

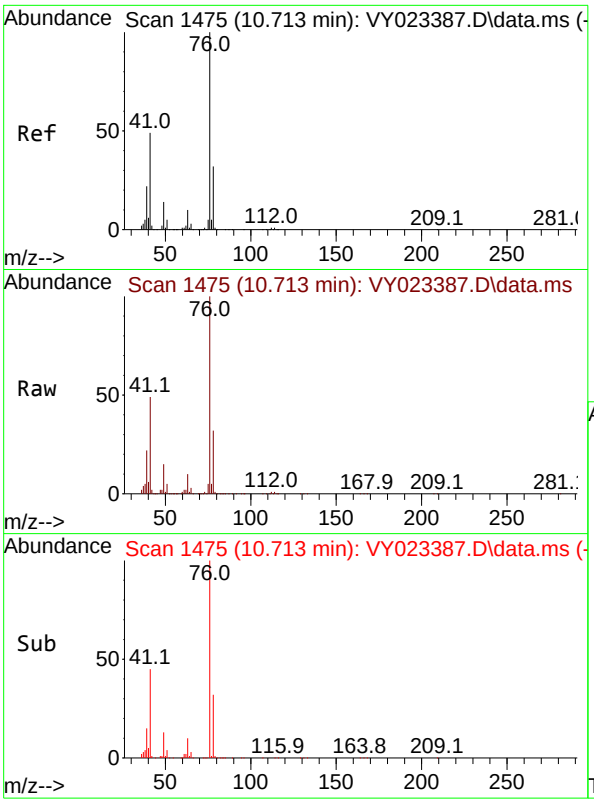


#56
Ethyl methacrylate
Concen: 49.535 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 69 Resp: 239407

Ion	Ratio	Lower	Upper
69	100		
41	55.8	44.6	67.0
39	33.7	27.0	40.4

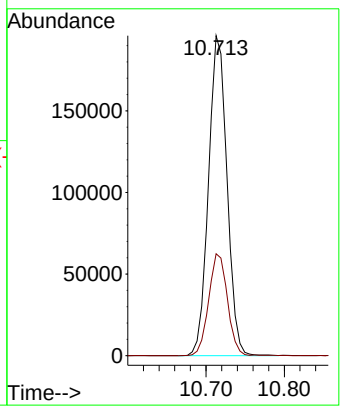




#57
1,3-Dichloropropane
Concen: 47.301 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 76 Resp: 32127(

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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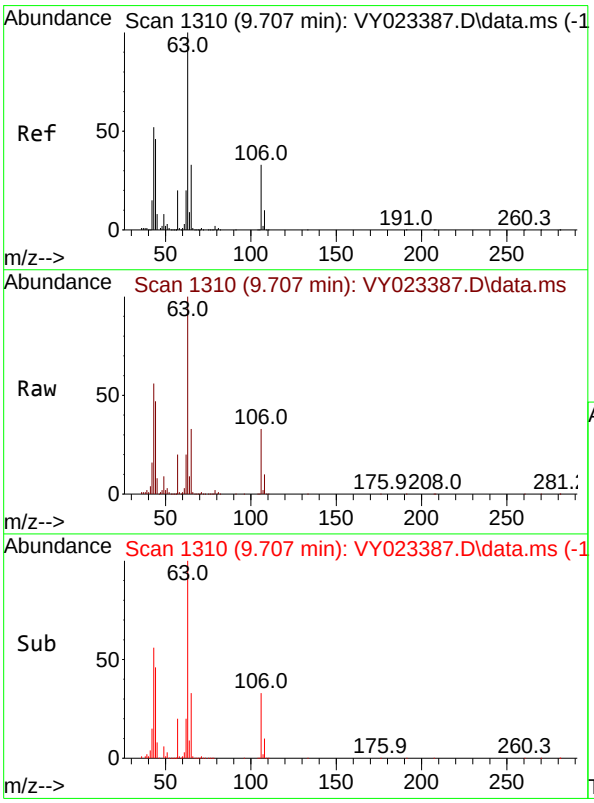
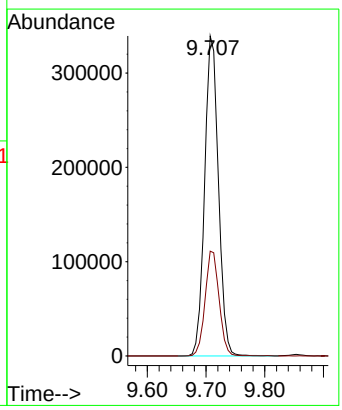
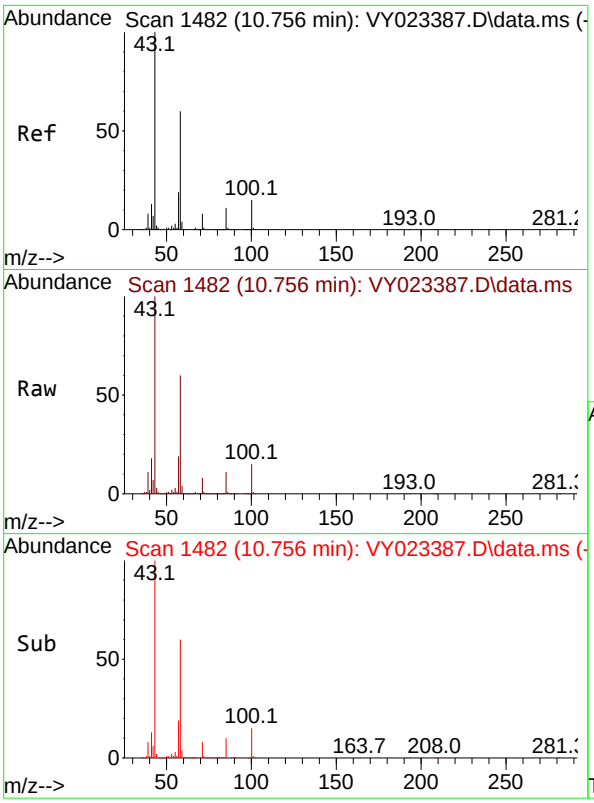


#58
2-Chloroethyl Vinyl ether
Concen: 261.921 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 553816

Ion	Ratio	Lower	Upper
63	100		
106	33.2	26.6	39.8

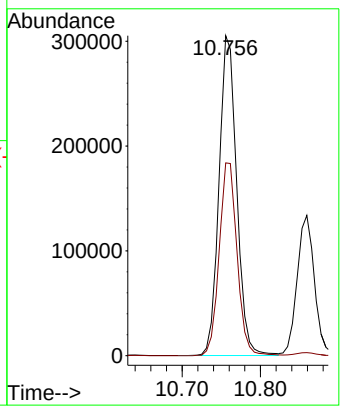




#59
2-Hexanone
Concen: 239.162 ug/l
RT: 10.756 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 47960

Ion	Ratio	Lower	Upper
43	100		
58	61.0	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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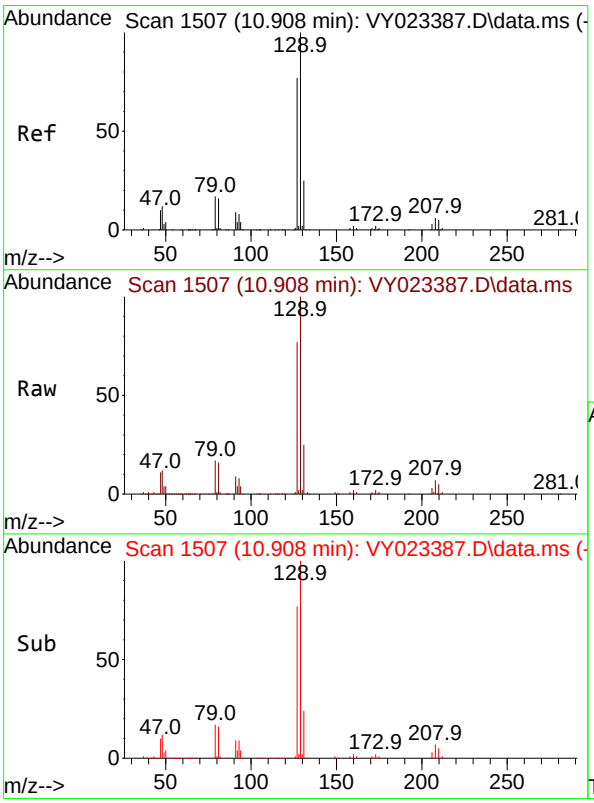
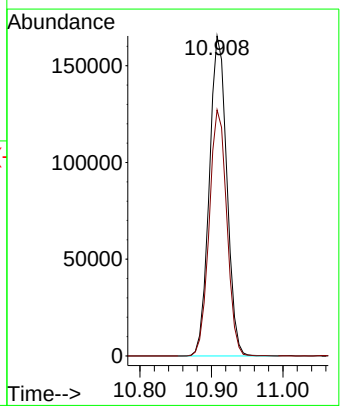
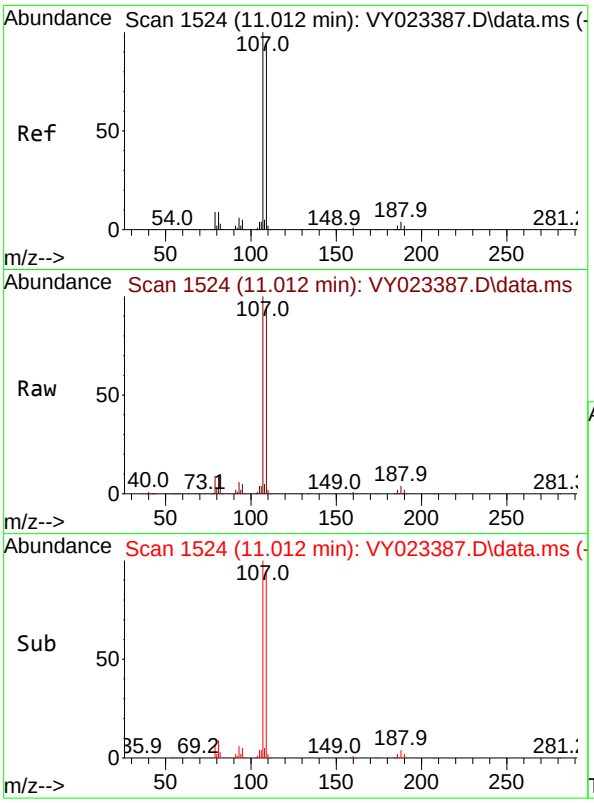


#60
Dibromochloromethane
Concen: 49.103 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:129 Resp: 281047

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7

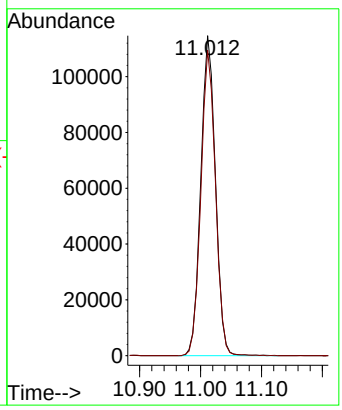




#61
1,2-Dibromoethane
Concen: 48.468 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:107 Resp: 19135

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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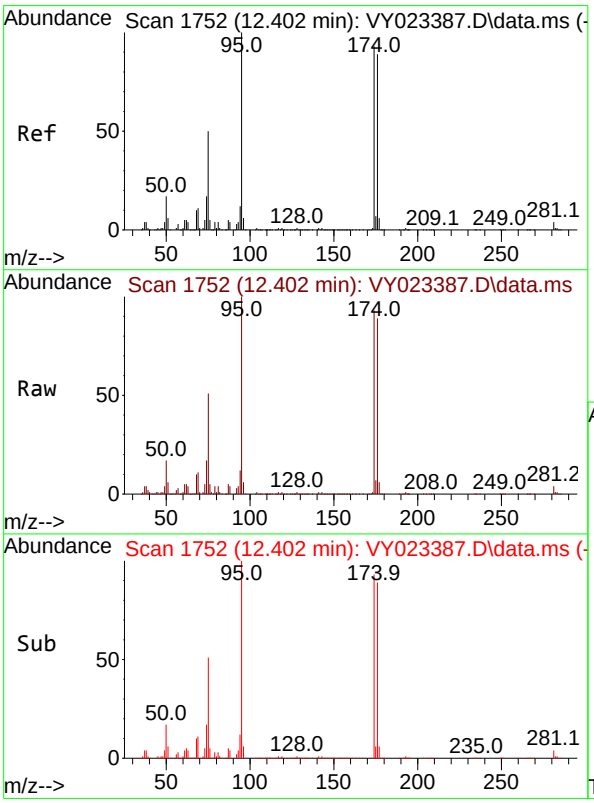
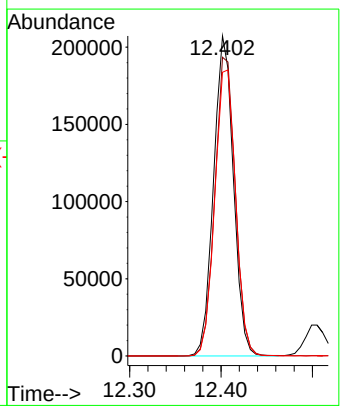
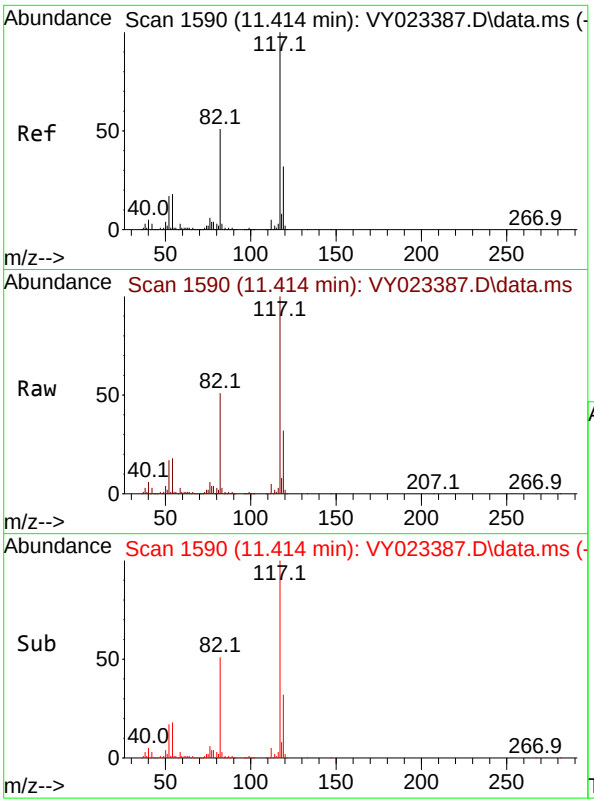


#62
4-Bromofluorobenzene
Concen: 50.546 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 95 Resp: 313426

Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	192.8
176	93.8	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:117 Resp: 74986

Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.0	61.4
119	32.0	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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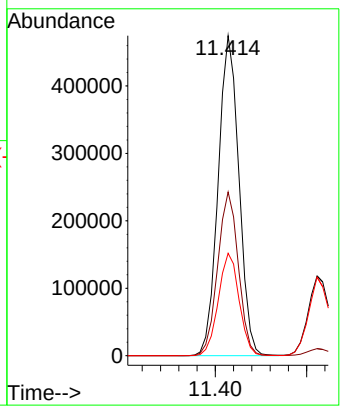
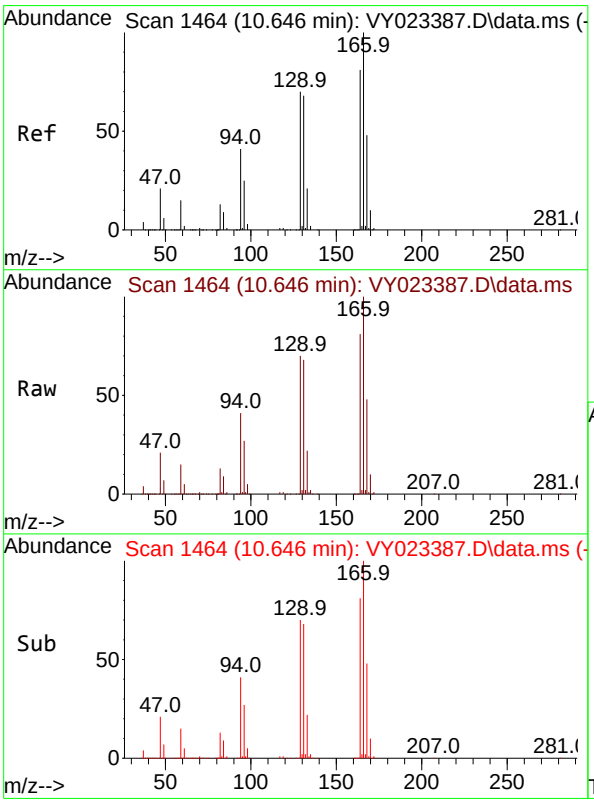
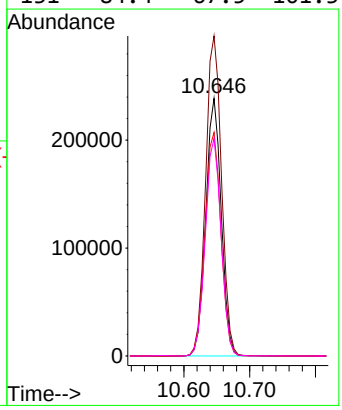


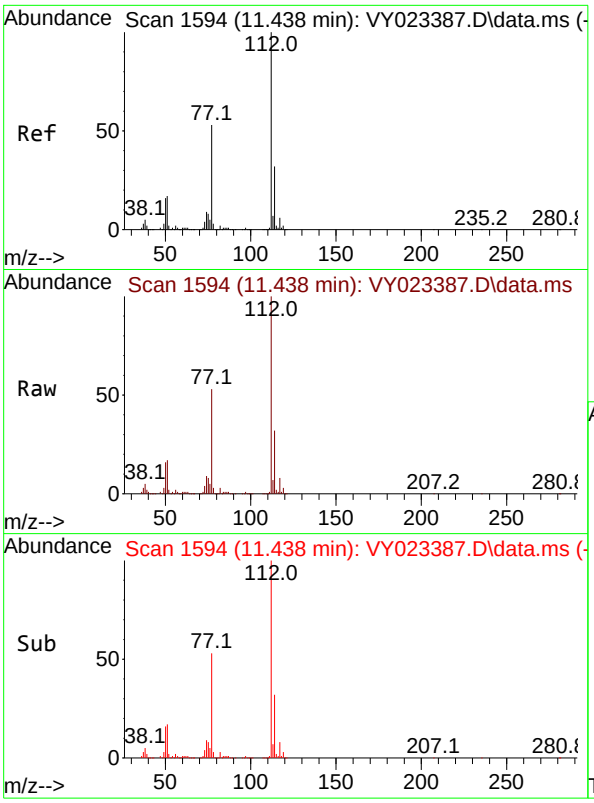


#64
Tetrachloroethene
Concen: 52.264 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:164 Resp: 392056

Ion	Ratio	Lower	Upper
164	100		
166	124.2	99.4	149.0
129	86.8	69.4	104.2
131	84.4	67.5	101.3

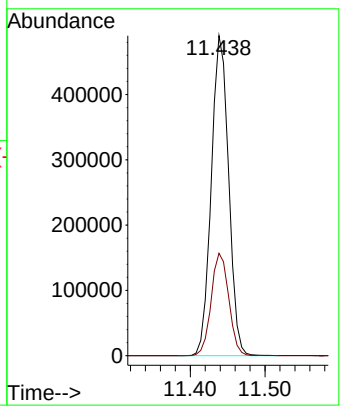




#65
Chlorobenzene
Concen: 48.460 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:112 Resp: 78965

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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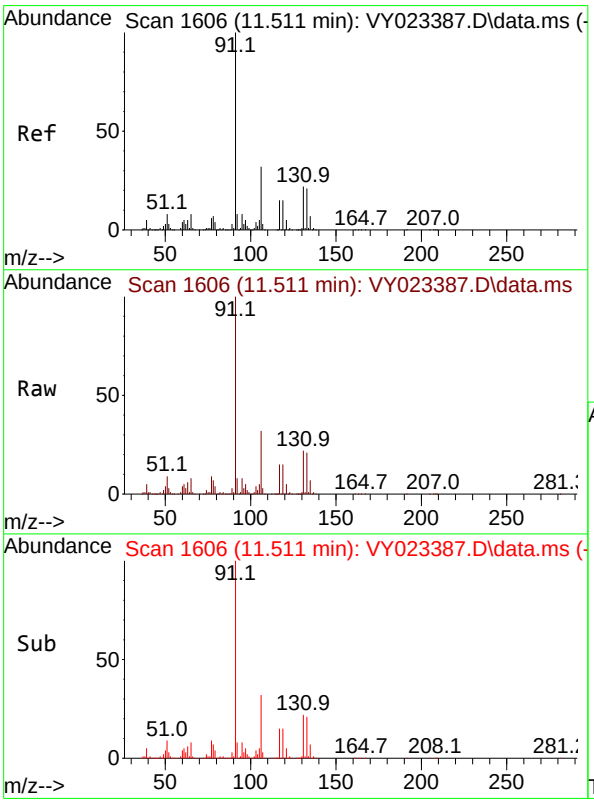
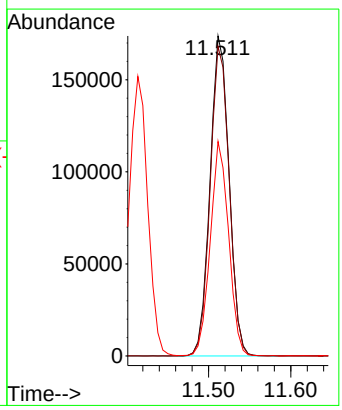
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

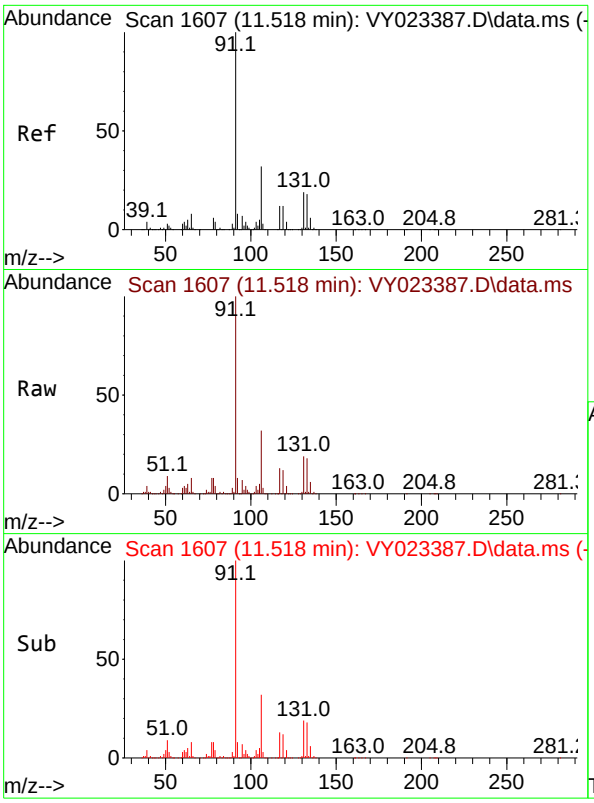


#66
1,1,1,2-Tetrachloroethane
Concen: 48.788 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:131 Resp: 279583

Ion	Ratio	Lower	Upper
131	100		
133	96.8	48.4	145.2
119	64.8	32.4	97.2





#67
Ethyl Benzene
Concen: 50.099 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 133235

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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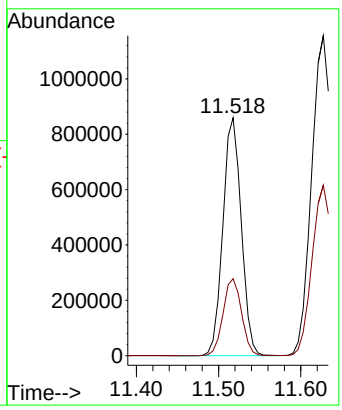
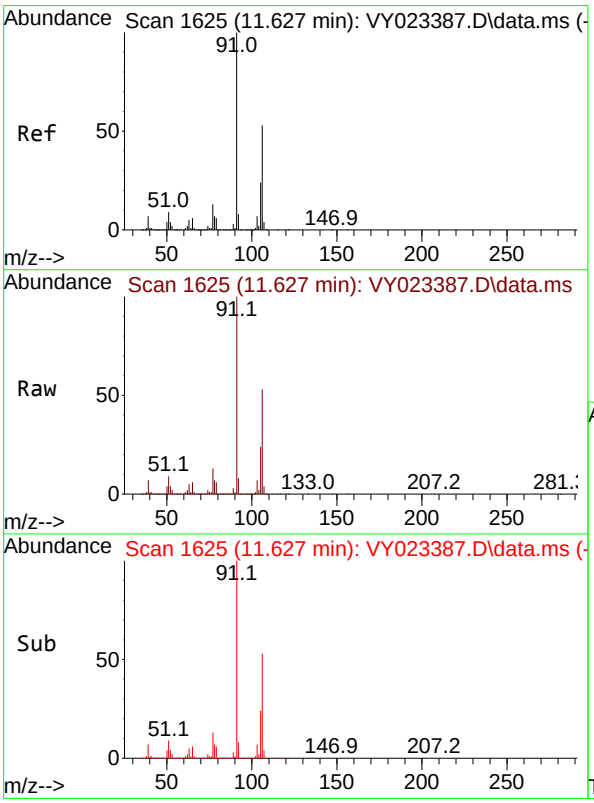
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

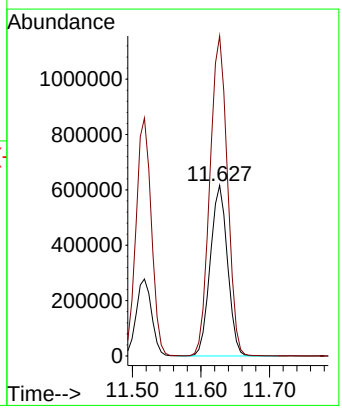


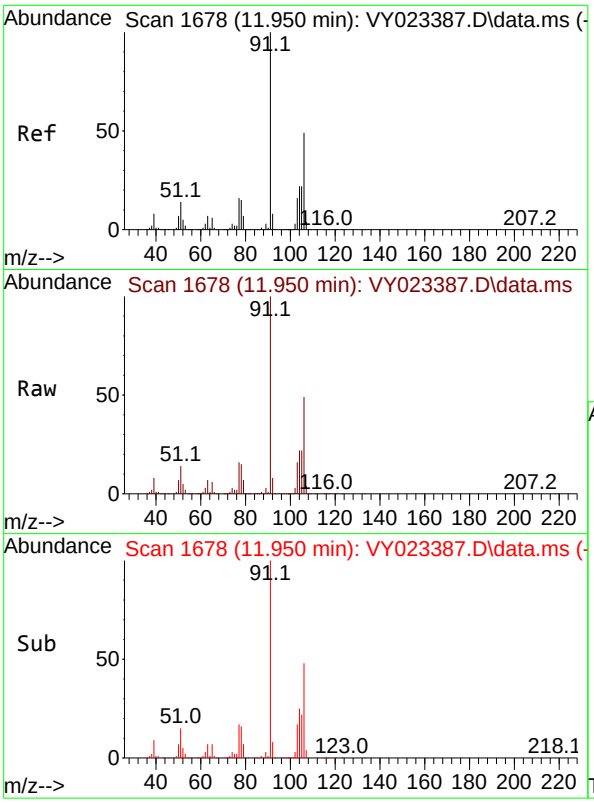


#68
m/p-Xylenes
Concen: 101.092 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:106 Resp: 1077583

Ion	Ratio	Lower	Upper
106	100		
91	190.8	152.6	229.0





#69
o-Xylene
Concen: 50.946 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:106 Resp: 50272

Ion	Ratio	Lower	Upper
106	100		
91	202.7	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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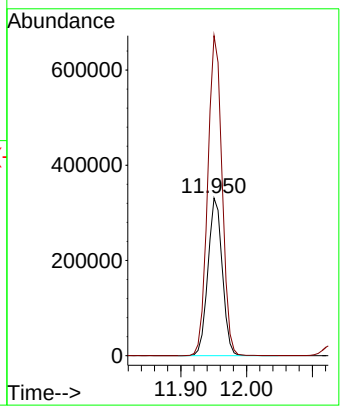
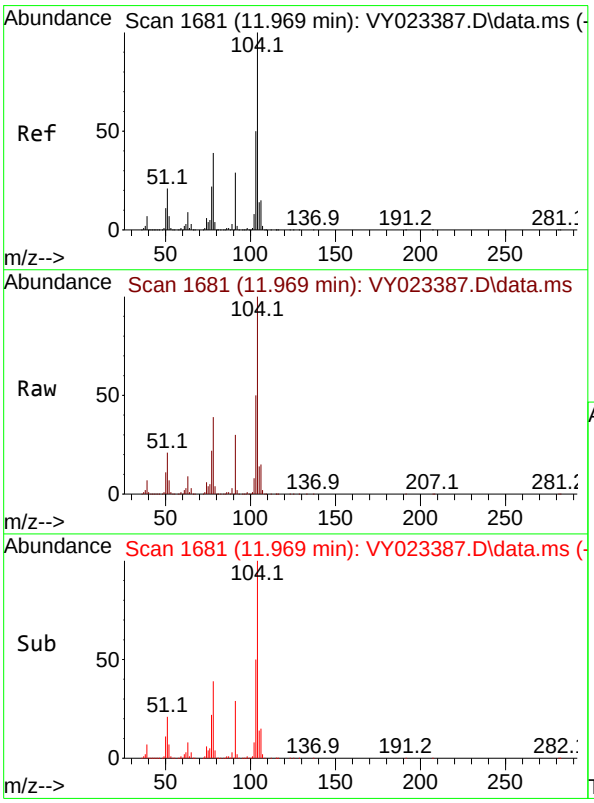
Supervised By :Mahesh Dadoda 10/10/2025

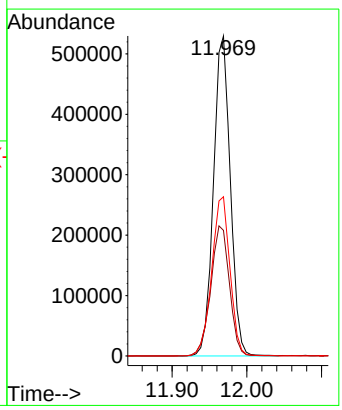


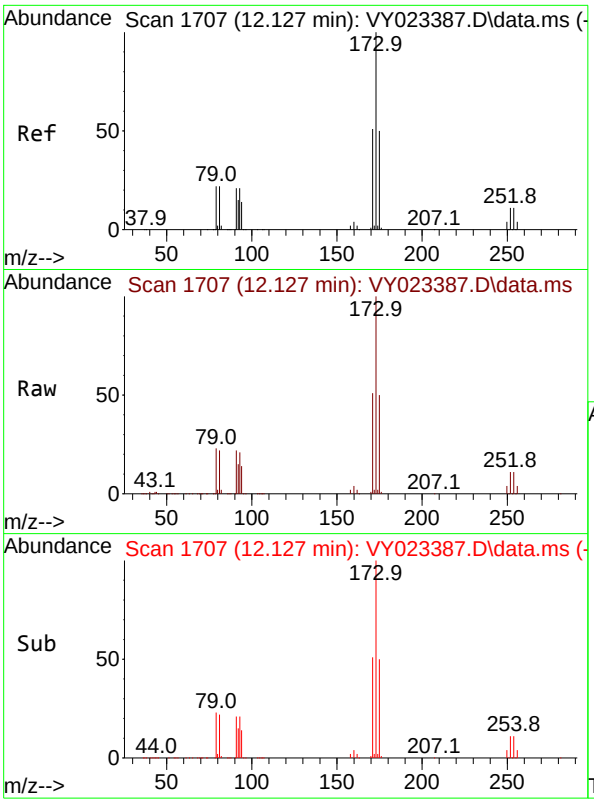


#70
Styrene
Concen: 51.059 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:104 Resp: 831908

Ion	Ratio	Lower	Upper
104	100		
78	45.1	36.1	54.1
103	54.0	43.2	64.8

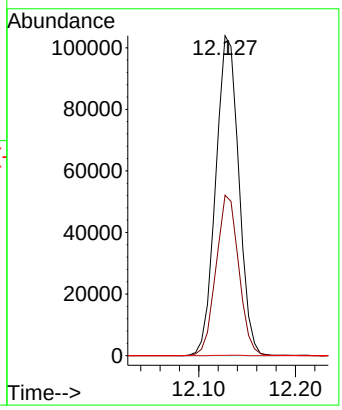




#71
Bromoform
Concen: 50.229 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:173 Resp: 17231

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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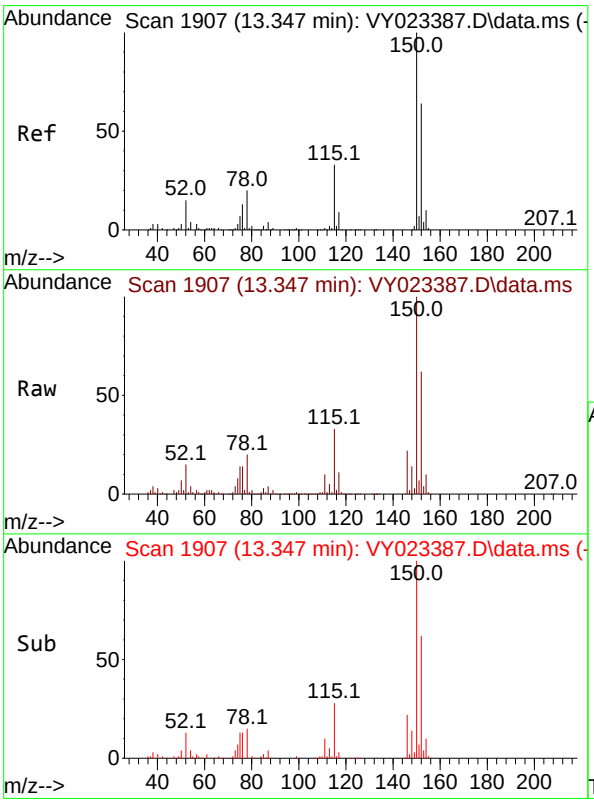
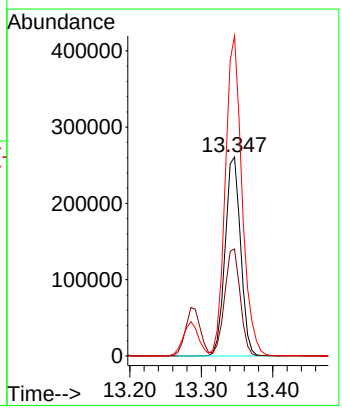
Supervised By :Mahesh Dadoda 10/10/2025

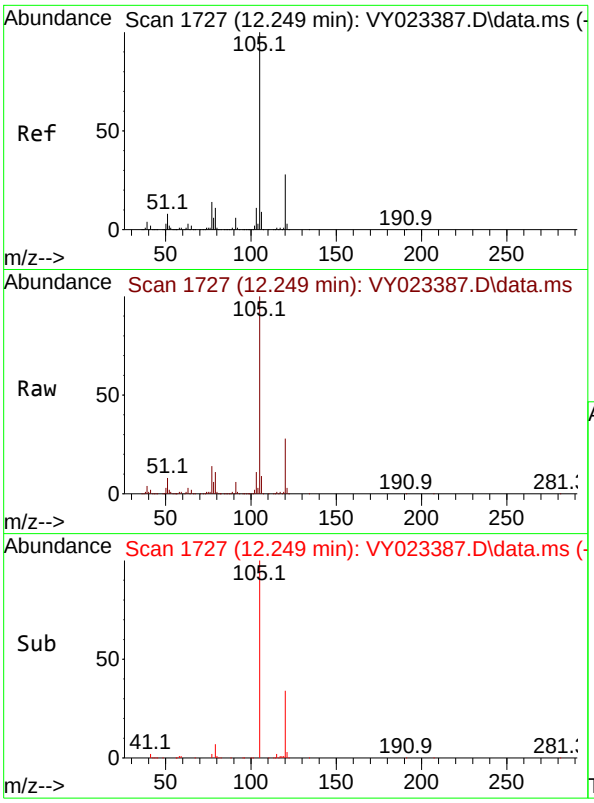


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:152 Resp: 392169

Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.2
150	173.7	0.0	347.4

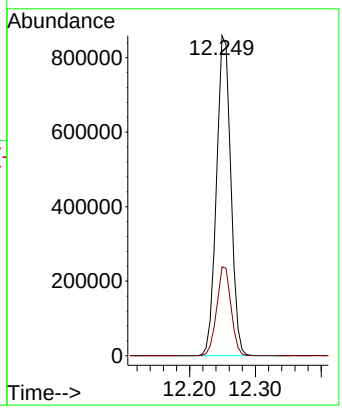




#73
Isopropylbenzene
Concen: 49.803 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 130100

Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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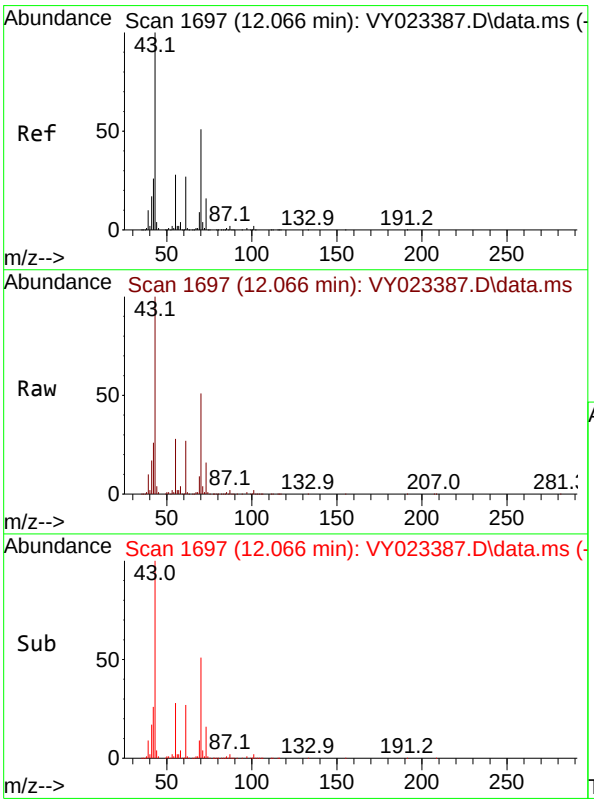
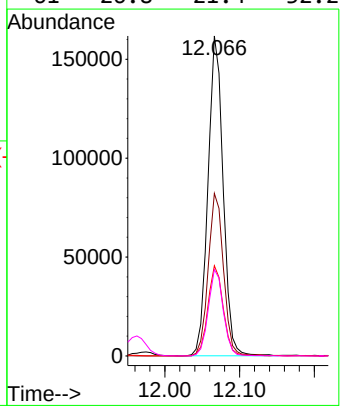
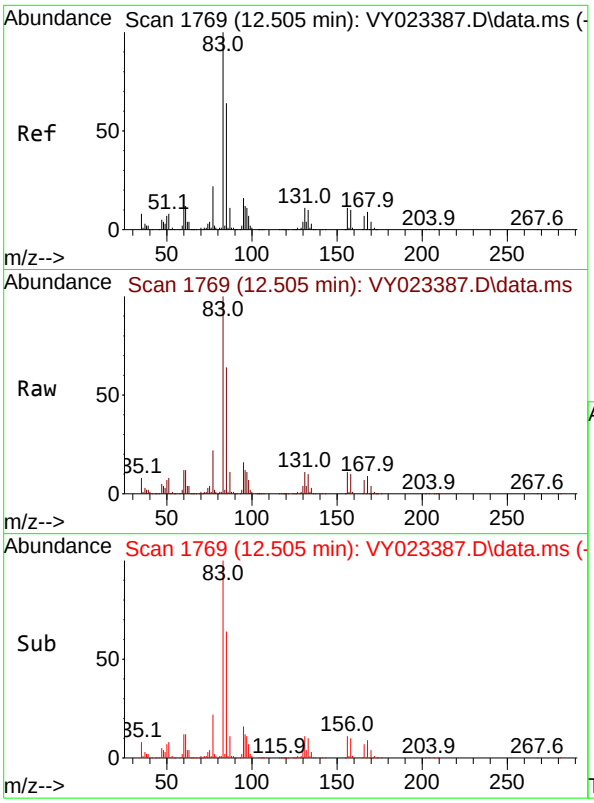


#74
N-amyl acetate
Concen: 46.640 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 227684

Ion	Ratio	Lower	Upper
43	100		
70	51.4	41.1	61.7
55	28.8	23.0	34.6
61	26.8	21.4	32.2

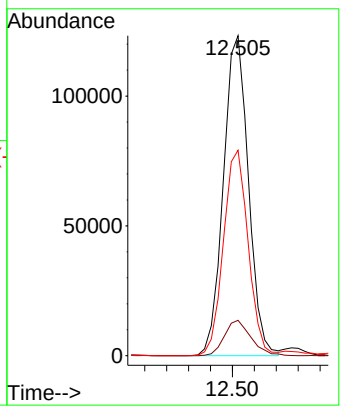




#75
1,1,2,2-Tetrachloroethane
Concen: 44.878 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 19556

Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.9	17.6
85	63.5	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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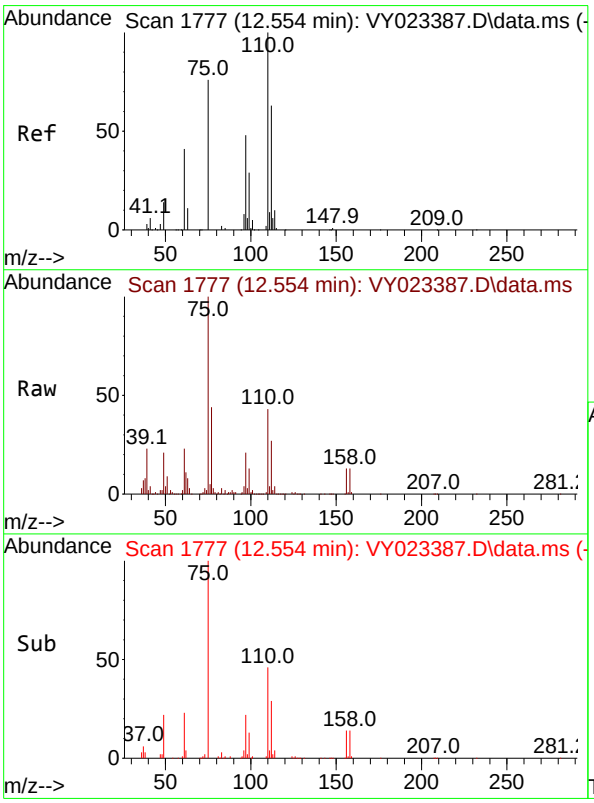
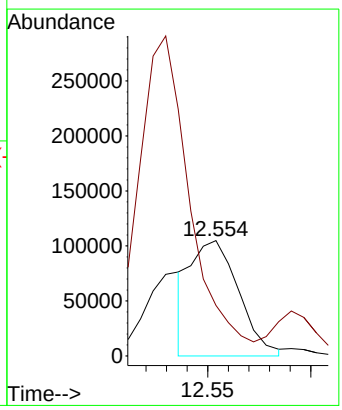
Supervised By :Mahesh Dadoda 10/10/2025

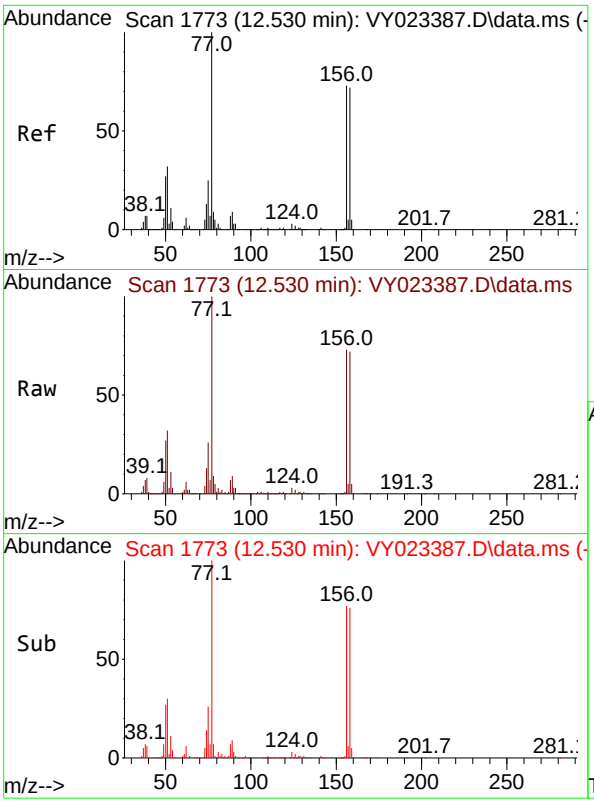


#76
1,2,3-Trichloropropane
Concen: 43.898 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 169814

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

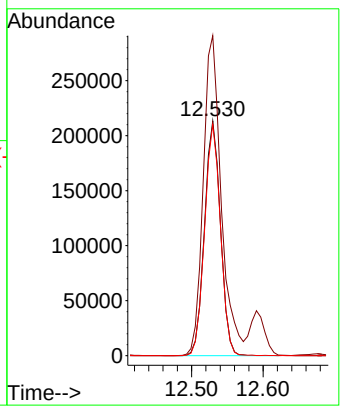




#77
Bromobenzene
Concen: 49.419 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:156 Resp: 33133

Ion	Ratio	Lower	Upper
156	100		
77	153.7	76.8	230.5
158	98.1	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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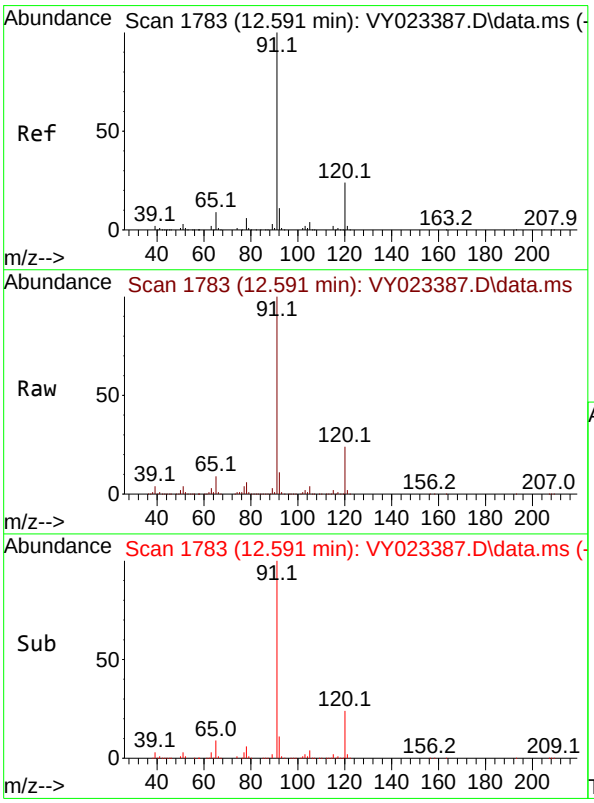
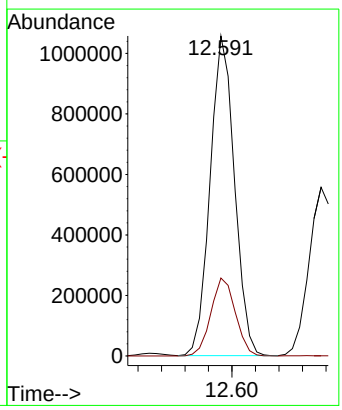
Supervised By :Mahesh Dadoda 10/10/2025

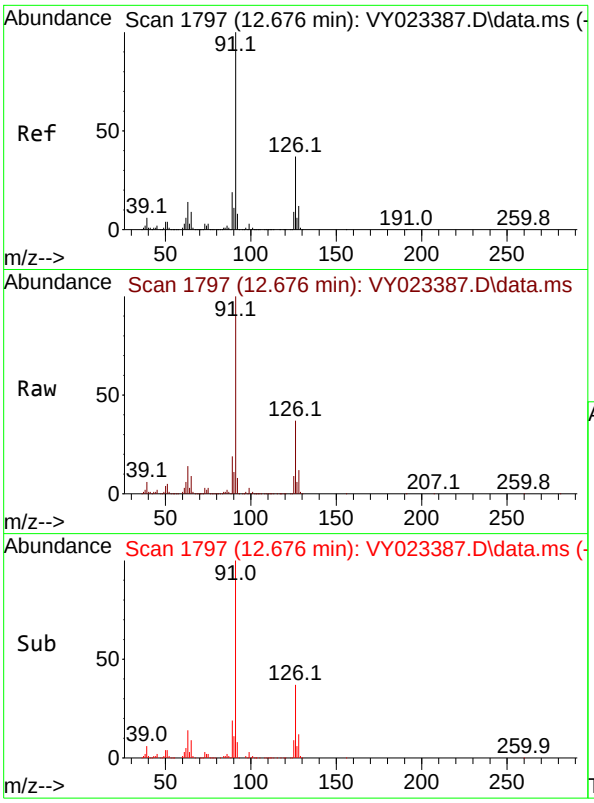


#78
n-propylbenzene
Concen: 49.572 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 1522965

Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.8

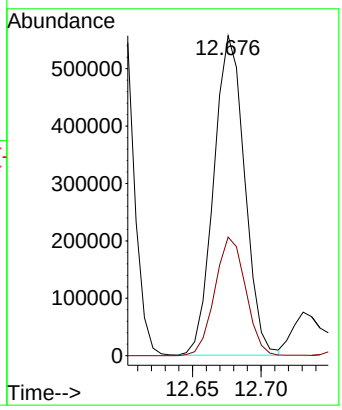




#79
2-Chlorotoluene
Concen: 49.235 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 87333

Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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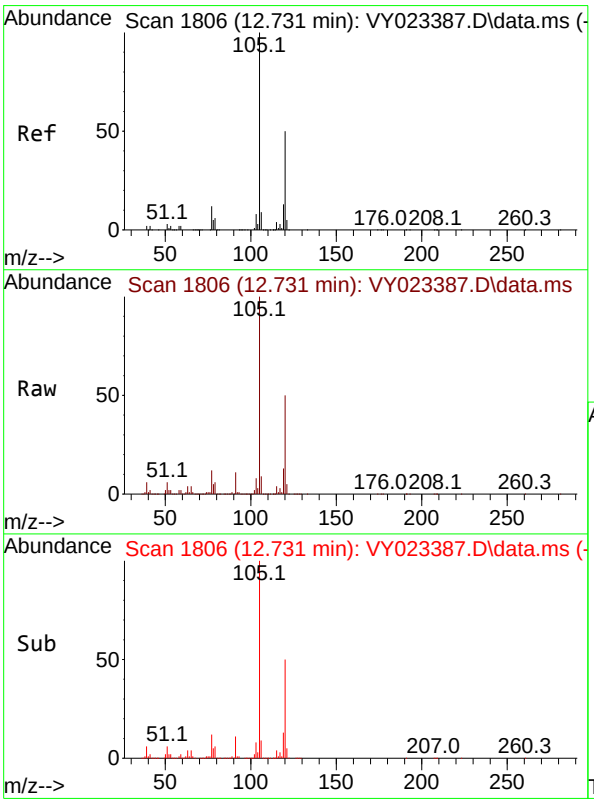
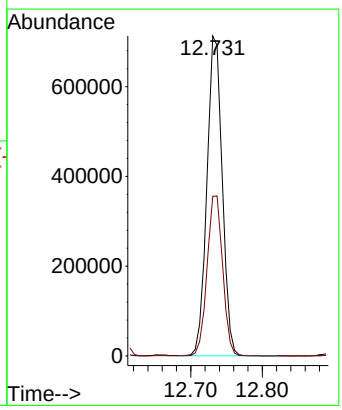
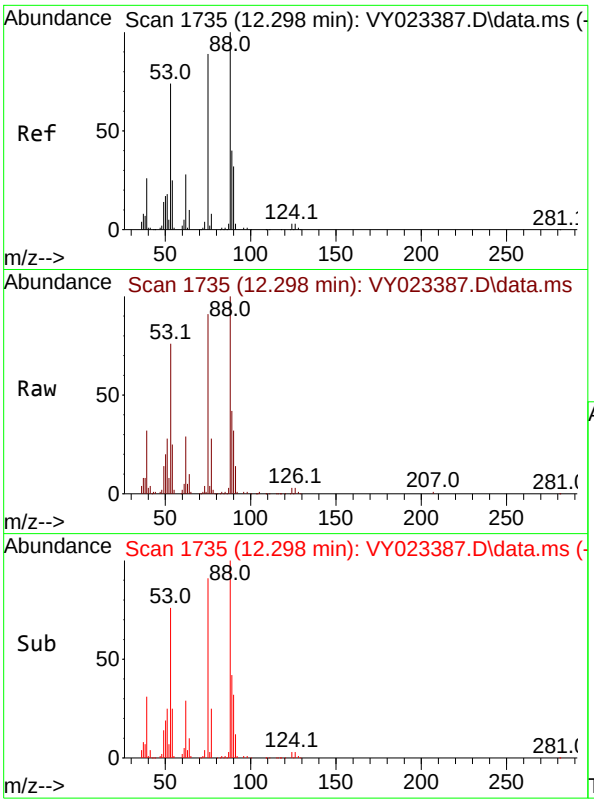


#80
1,3,5-Trimethylbenzene
Concen: 49.966 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 1061112

Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 46.212 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 6629

Ion	Ratio	Lower	Upper
75	100		
53	85.7	68.6	102.8
89	48.7	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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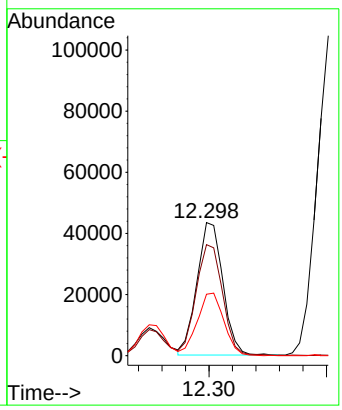
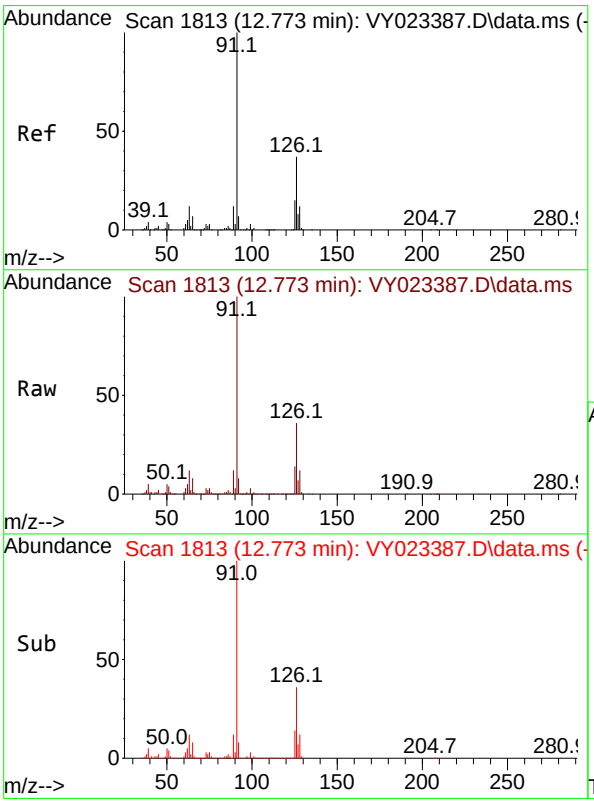
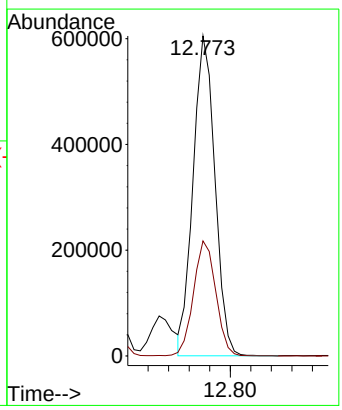


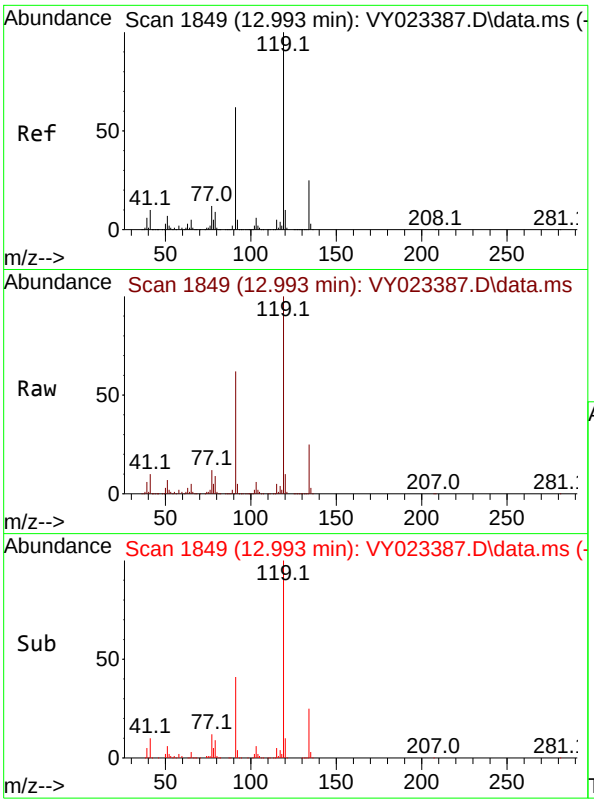


#82
4-Chlorotoluene
Concen: 48.192 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 892764

Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.4	55.4

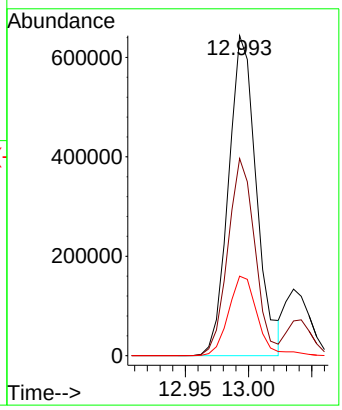




#83
tert-Butylbenzene
Concen: 51.104 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:119 Resp: 98893

Ion	Ratio	Lower	Upper
119	100		
91	59.9	29.9	89.8
134	25.8	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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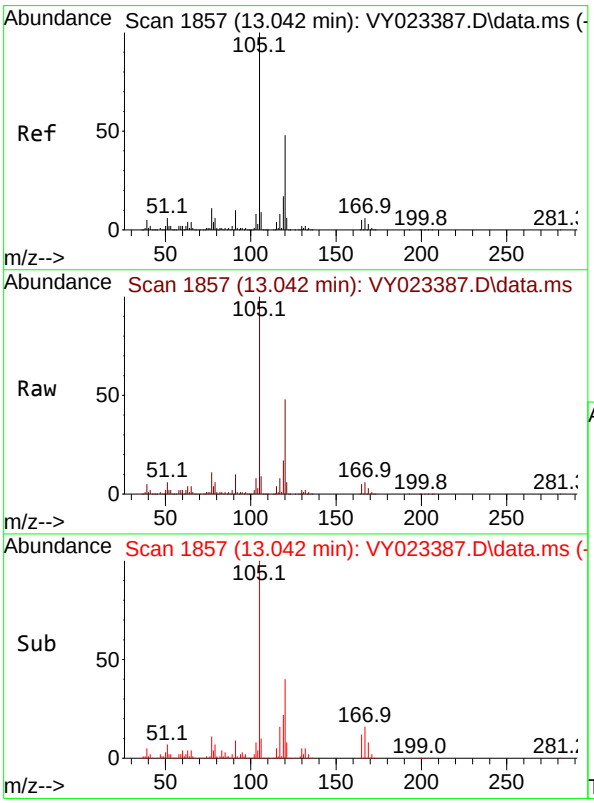
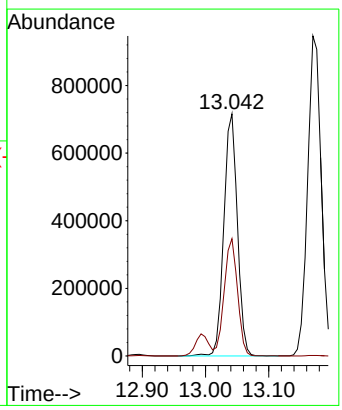
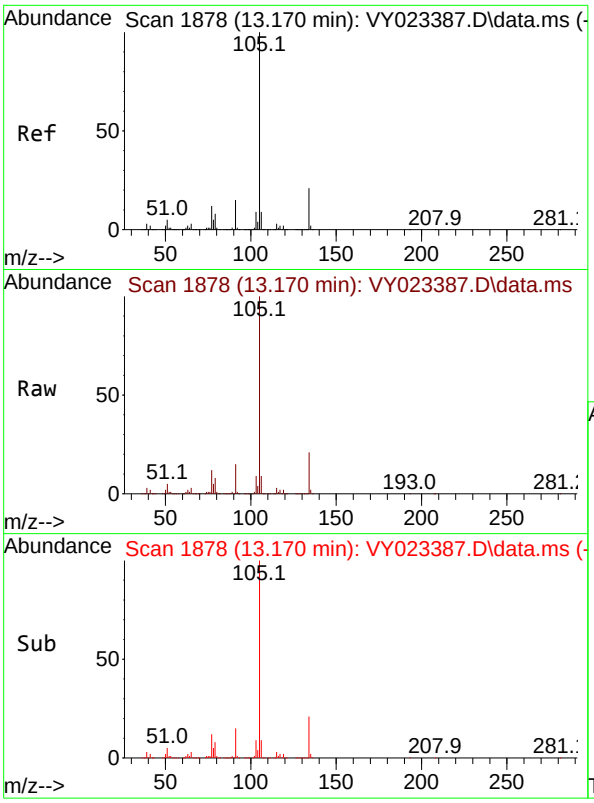


#84
1,2,4-Trimethylbenzene
Concen: 50.505 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 1061159

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.2

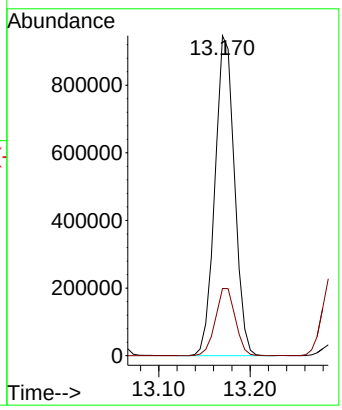




#85
sec-Butylbenzene
Concen: 50.133 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 140500

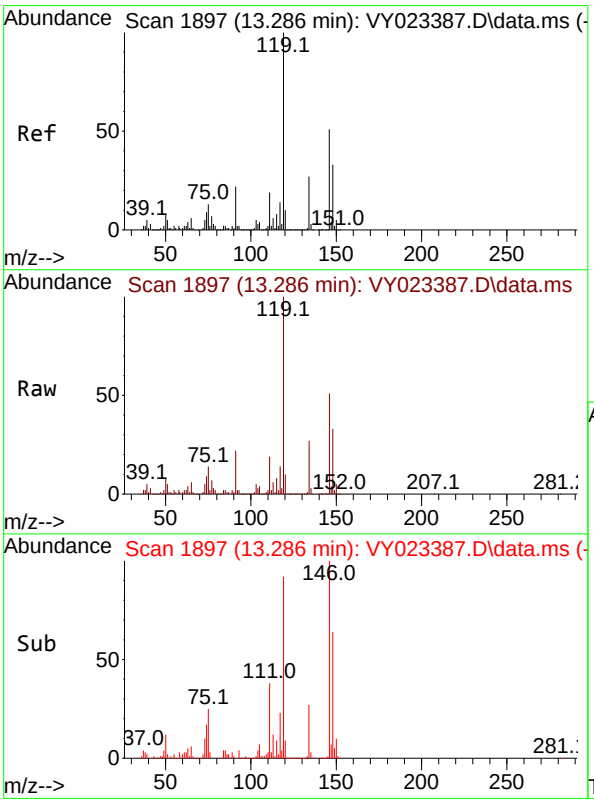
Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

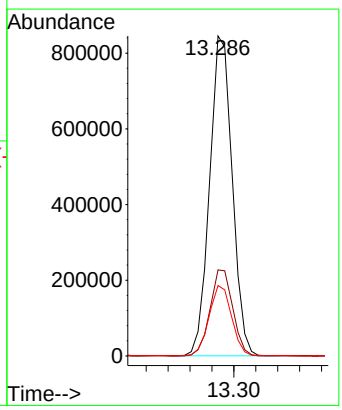
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

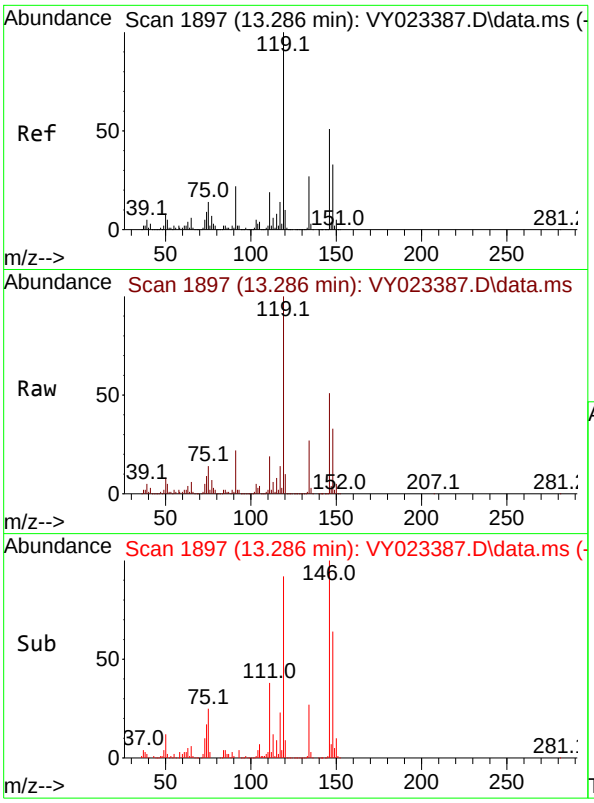


#86
p-Isopropyltoluene
Concen: 51.115 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:119 Resp: 1210644

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	21.9	10.9	32.9

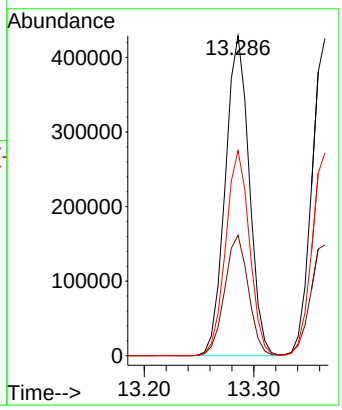




#87
1,3-Dichlorobenzene
Concen: 49.072 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:146 Resp: 64989

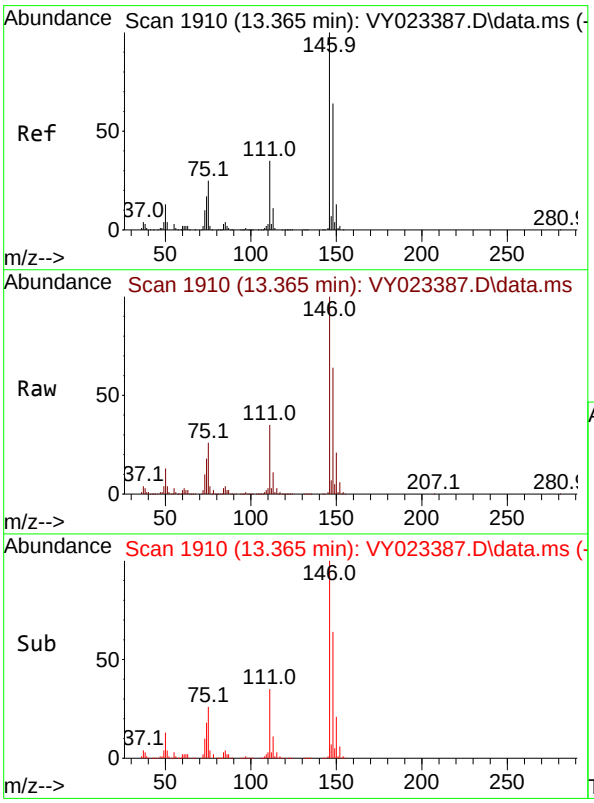
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

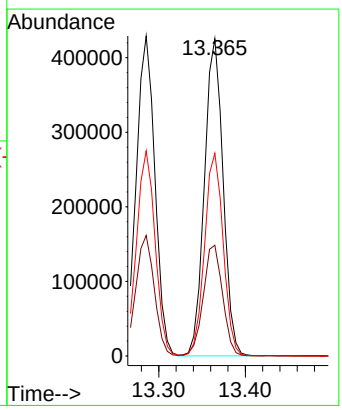
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

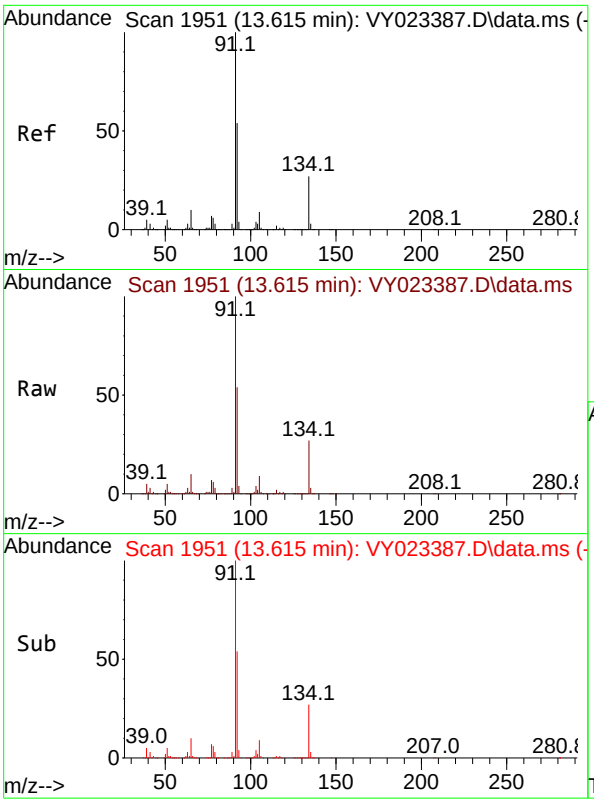


#88
1,4-Dichlorobenzene
Concen: 48.476 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:146 Resp: 636694

Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	63.8	31.9	95.7

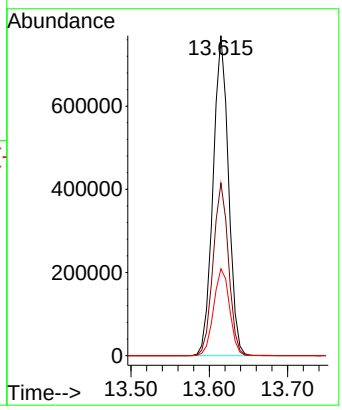




#89
n-Butylbenzene
Concen: 50.299 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 105194

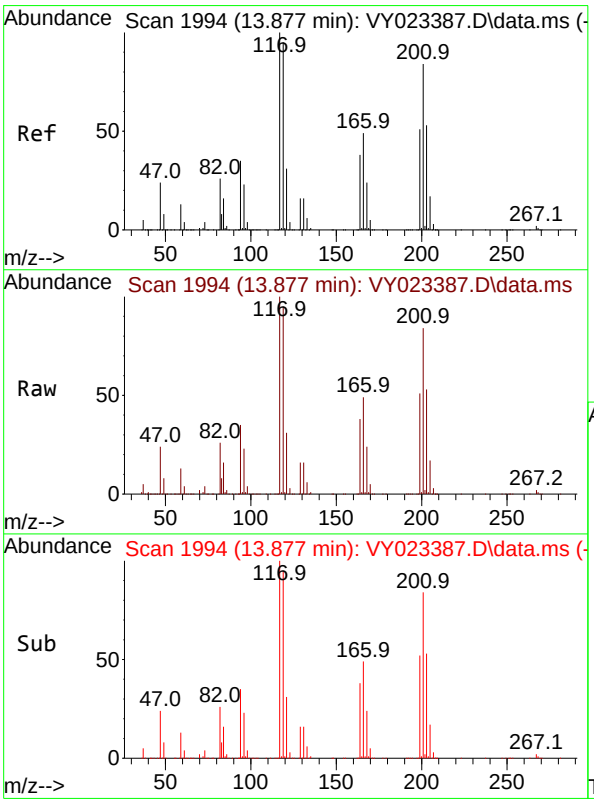
Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	80.8
134	28.1	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

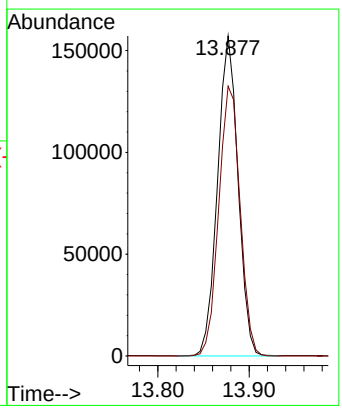
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

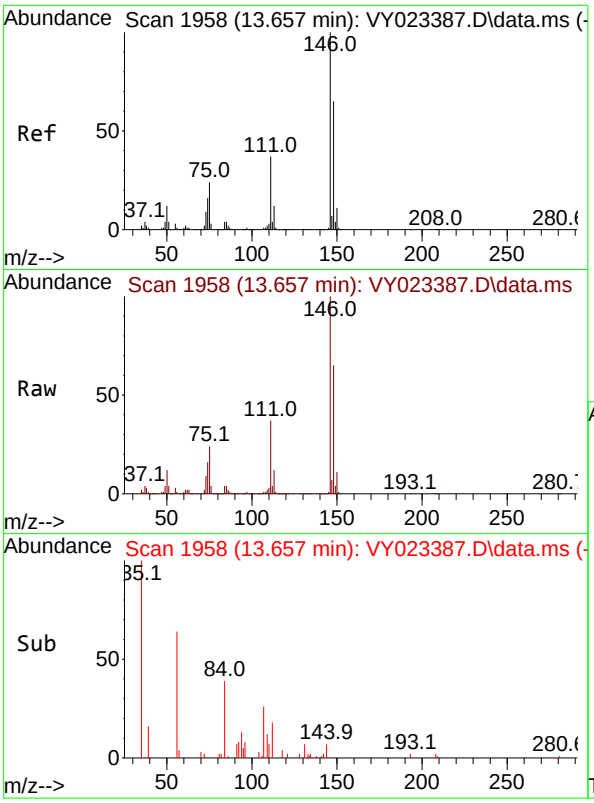


#90
Hexachloroethane
Concen: 47.664 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:117 Resp: 245108

Ion	Ratio	Lower	Upper
117	100		
201	87.6	43.8	131.4

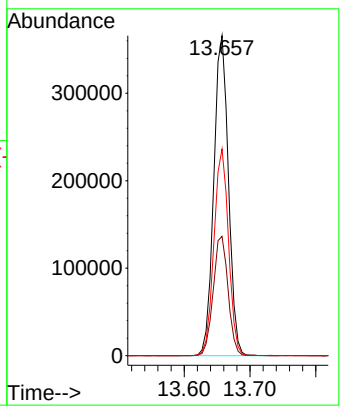




#91
1,2-Dichlorobenzene
Concen: 49.075 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:146 Resp: 56711

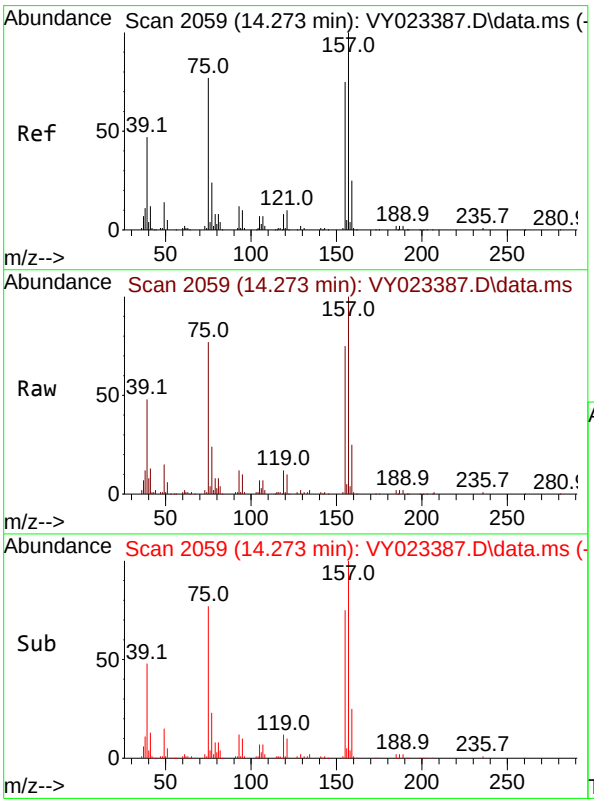
Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

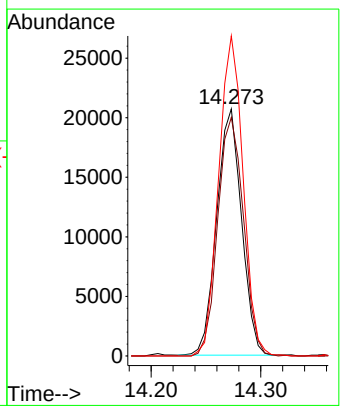
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

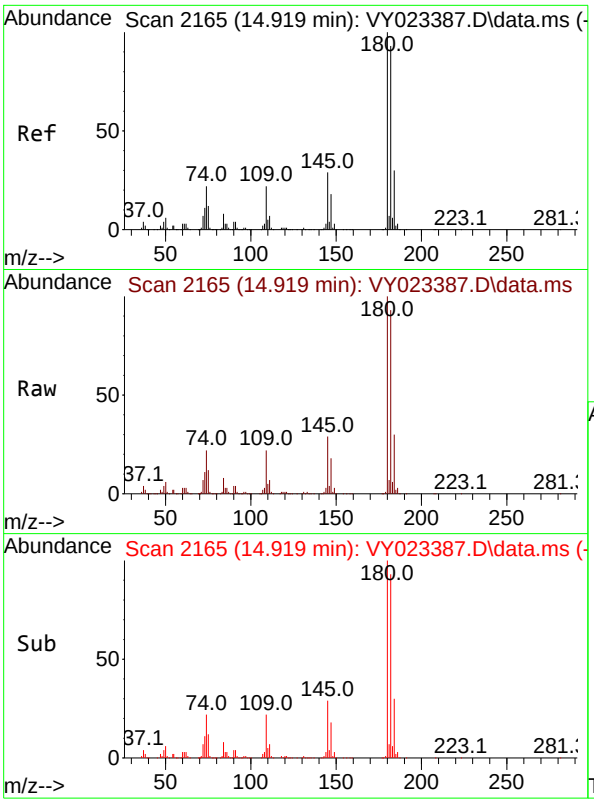


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.184 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 32585

Ion	Ratio	Lower	Upper
75	100		
155	100.0	50.0	150.0
157	127.7	63.8	191.5

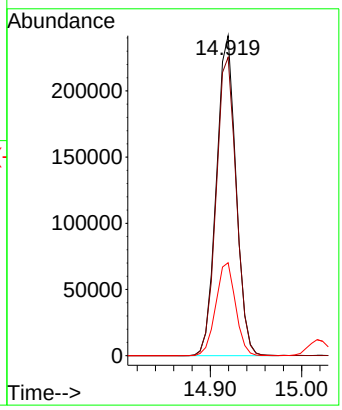




#93
1,2,4-Trichlorobenzene
Concen: 52.852 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:180 Resp: 35983

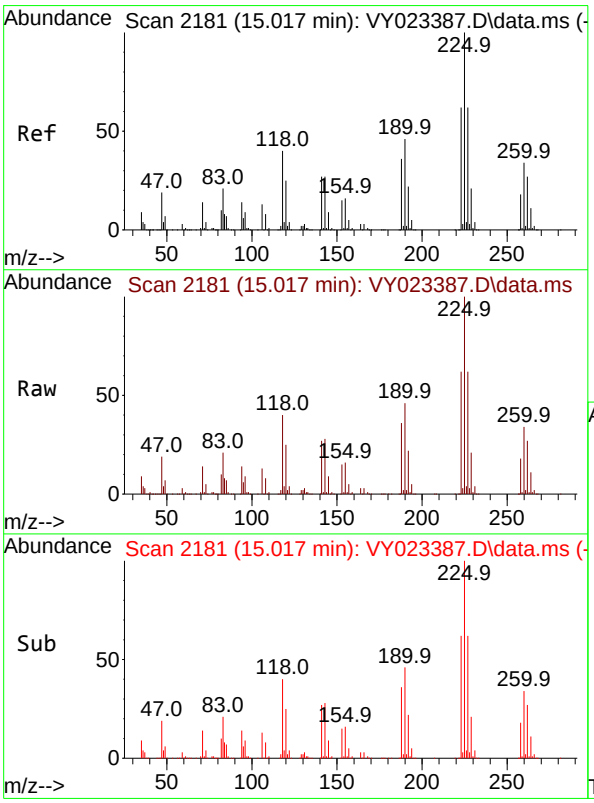
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	29.4	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

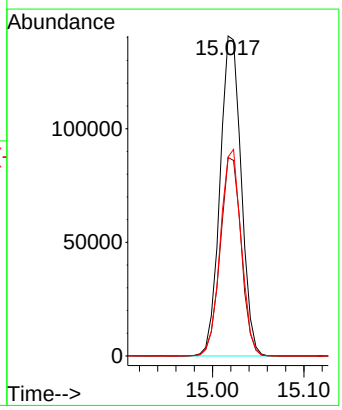
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

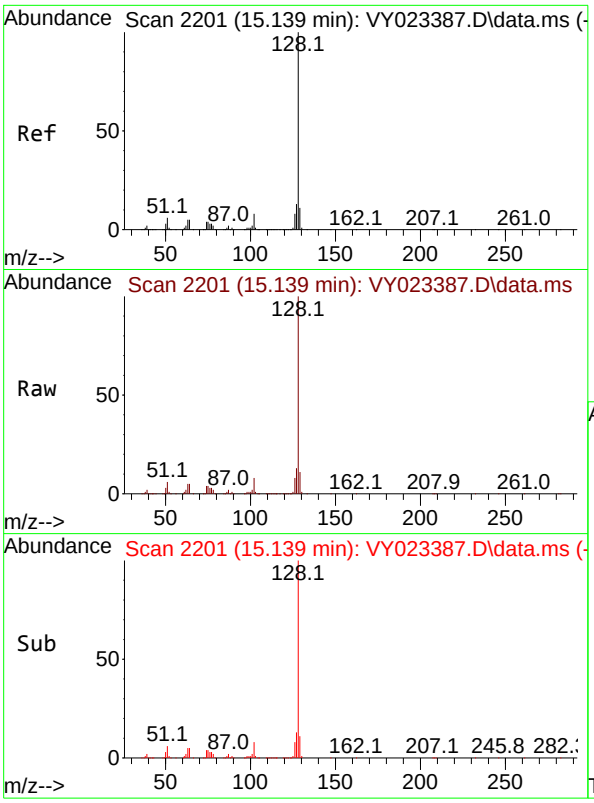


#94
Hexachlorobutadiene
Concen: 53.346 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:225 Resp: 226316

Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.8	92.3
227	63.8	31.9	95.7

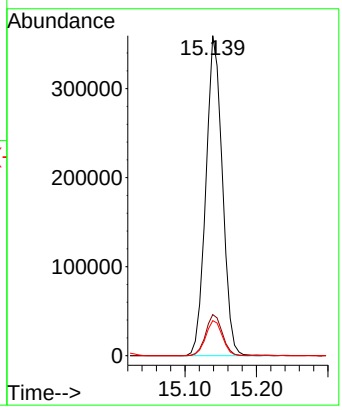




#95
Naphthalene
Concen: 53.012 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:128 Resp: 57504

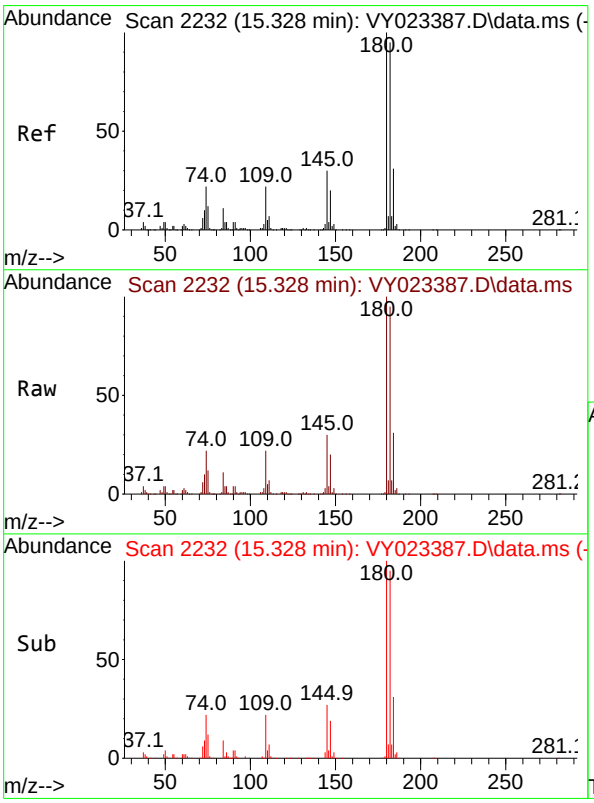
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

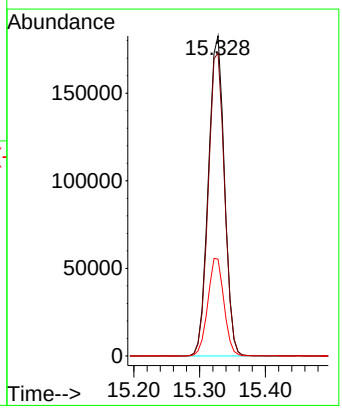
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.628 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:180 Resp: 310831

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	30.6	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	595770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	764361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	400285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	467005	90.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 181.020%#			
35) Dibromofluoromethane	7.634	113	511478	98.497	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.000%#			
50) Toluene-d8	10.103	98	1919872	98.031	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 196.060%#			
62) 4-Bromofluorobenzene	12.401	95	636435	103.007	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.020%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	368985	78.627	ug/l	96
3) Chloromethane	2.068	50	521606	78.195	ug/l	96
4) Vinyl Chloride	2.202	62	711235	84.438	ug/l	100
5) Bromomethane	2.586	94	574957	83.210	ug/l	99
6) Chloroethane	2.732	64	491625	85.968	ug/l	99
7) Trichlorofluoromethane	3.049	101	1012851	93.610	ug/l	99
8) Diethyl Ether	3.452	74	266779	94.266	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	511482	88.441	ug/l	100
10) Methyl Iodide	4.001	142	651575	97.495	ug/l	99
11) Tert butyl alcohol	4.866	59	172718	568.898	ug/l	99
12) 1,1-Dichloroethene	3.787	96	508059	91.303	ug/l	96
13) Acrolein	3.647	56	262636	510.573	ug/l	99
14) Allyl chloride	4.378	41	637073	91.446	ug/l	99
15) Acrylonitrile	5.055	53	522511	471.296	ug/l	100
16) Acetone	3.866	43	504700	435.004	ug/l	98
17) Carbon Disulfide	4.104	76	1442005	83.061	ug/l	99
18) Methyl Acetate	4.385	43	316911	107.474	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1300206	99.797	ug/l	97
20) Methylene Chloride	4.610	84	552018	87.742	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	569334	91.999	ug/l	96
22) Diisopropyl ether	6.018	45	1423347	92.133	ug/l	97
23) Vinyl Acetate	5.957	43	3975052	468.098	ug/l	99
24) 1,1-Dichloroethane	5.915	63	911619	89.517	ug/l	99
25) 2-Butanone	6.890	43	685693	478.154	ug/l	99
26) 2,2-Dichloropropane	6.884	77	833452	92.108	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	670773	95.557	ug/l	98
28) Bromochloromethane	7.244	49	321657	81.418	ug/l	99
29) Tetrahydrofuran	7.262	42	415867	488.587	ug/l	99
30) Chloroform	7.421	83	1003722	91.401	ug/l	100
31) Cyclohexane	7.701	56	767083	85.293	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	910837	92.399	ug/l	100
36) 1,1-Dichloropropene	7.835	75	692477	94.516	ug/l	99
37) Ethyl Acetate	6.982	43	280560	96.859	ug/l	98
38) Carbon Tetrachloride	7.817	117	833170	97.894	ug/l	99
39) Methylcyclohexane	9.109	83	947664	101.024	ug/l	99
40) Benzene	8.079	78	2192645	96.000	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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	7.219	41	152239	101.200	ug/l		98
42) 1,2-Dichloroethane	8.158	62	554810	95.449	ug/l		100
43) Isopropyl Acetate	8.195	43	573653	101.815	ug/l		99
44) Trichloroethene	8.866	130	636149	99.245	ug/l		100
45) 1,2-Dichloropropane	9.140	63	485084	94.381	ug/l		99
46) Dibromomethane	9.231	93	309964	98.596	ug/l		99
47) Bromodichloromethane	9.420	83	769238	97.210	ug/l		99
48) Methyl methacrylate	9.219	41	282582	107.476	ug/l		99
49) 1,4-Dioxane	9.225	88	77305	2374.722	ug/l		99
51) 4-Methyl-2-Pentanone	9.993	43	1539324	533.386	ug/l		100
52) Toluene	10.170	92	1462927	100.905	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	710475	104.537	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	822967	101.302	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	417623	99.875	ug/l		96
56) Ethyl methacrylate	10.438	69	549366	114.077	ug/l		99
57) 1,3-Dichloropropane	10.713	76	670961	99.140	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	1240361	588.731	ug/l		99
59) 2-Hexanone	10.755	43	1081568	541.284	ug/l		99
60) Dibromochloromethane	10.908	129	593878	104.133	ug/l		100
61) 1,2-Dibromoethane	11.011	107	406293	103.280	ug/l		99
64) Tetrachloroethene	10.646	164	767753	100.406	ug/l		99
65) Chlorobenzene	11.438	112	1655143	99.649	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	586878	100.470	ug/l		99
67) Ethyl Benzene	11.517	91	2788252	102.856	ug/l		98
68) m/p-Xylenes	11.627	106	2243033	206.437	ug/l		100
69) o-Xylene	11.950	106	1072335	106.611	ug/l		99
70) Styrene	11.969	104	1782757	107.344	ug/l		100
71) Bromoform	12.127	173	373208	106.727	ug/l	#	100
73) Isopropylbenzene	12.249	105	2741698	102.825	ug/l		100
74) N-amyl acetate	12.066	43	532255	106.818	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	434720	97.735	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	364622m	92.345	ug/l		
77) Bromobenzene	12.529	156	701741	102.545	ug/l		100
78) n-propylbenzene	12.590	91	3165894	100.958	ug/l		99
79) 2-Chlorotoluene	12.676	91	1800124	99.426	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	2219080	102.374	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	148302	101.273	ug/l		98
82) 4-Chlorotoluene	12.773	91	1854165	98.060	ug/l		99
83) tert-Butylbenzene	12.993	119	2028198	102.684	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	2227197	103.853	ug/l		100
85) sec-Butylbenzene	13.170	105	2932949	102.530	ug/l		100
86) p-Isopropyltoluene	13.285	119	2548220	105.408	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	1361716	100.735	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	1323618	98.734	ug/l		100
89) n-Butylbenzene	13.615	91	2223744	104.174	ug/l		99
90) Hexachloroethane	13.877	117	514746	98.069	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1193043	101.146	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	70107	99.458	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	806328	116.031	ug/l		99
94) Hexachlorobutadiene	15.017	225	470072	108.557	ug/l		99
95) Naphthalene	15.139	128	1378291	124.485	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	693477	115.034	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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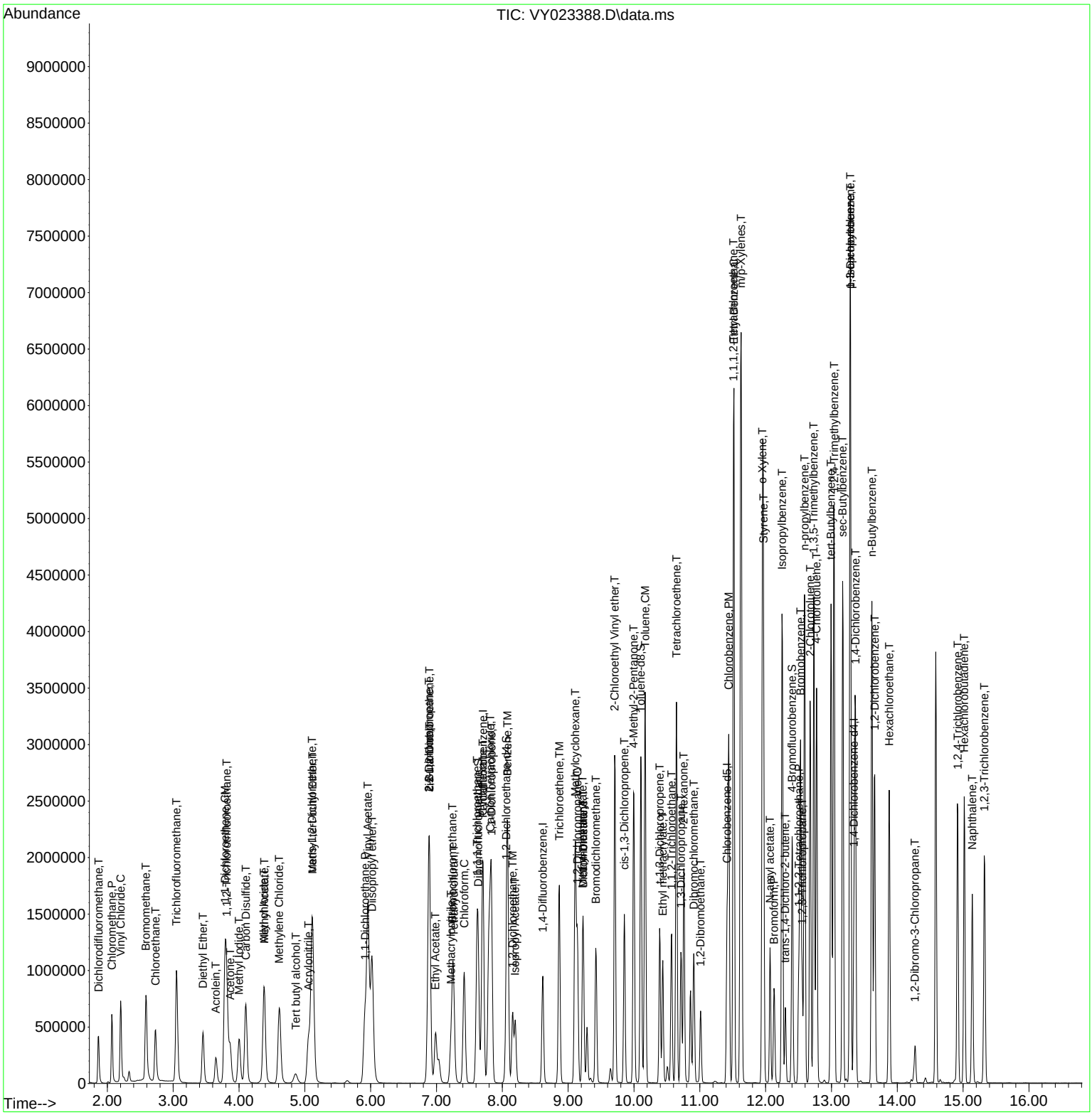
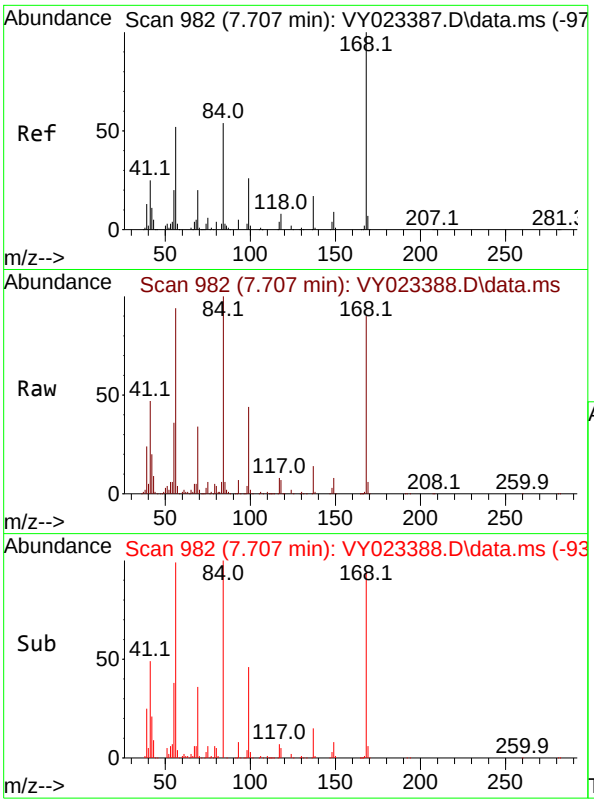
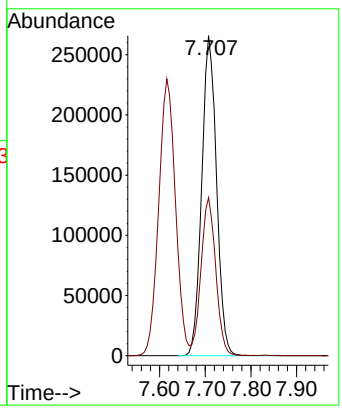




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:168 Resp: 59577

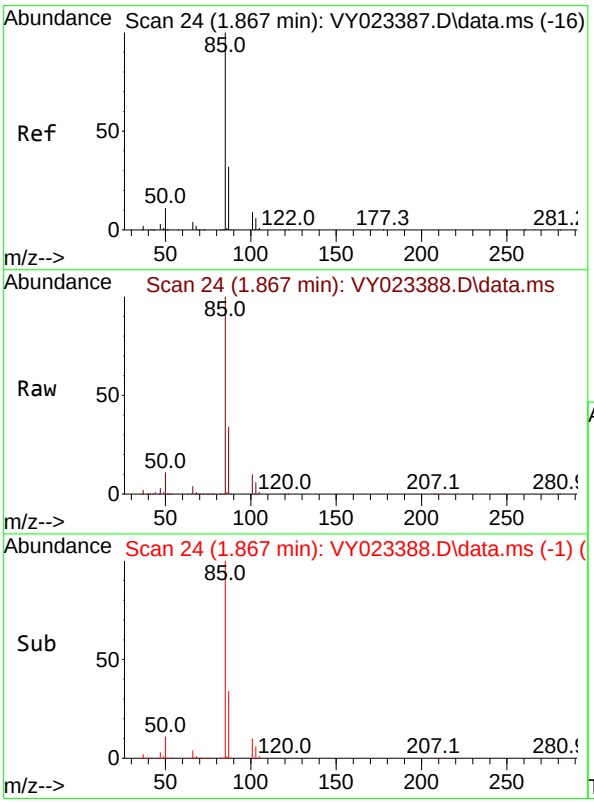
Ion	Ratio	Lower	Upper
168	100		
99	49.3	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

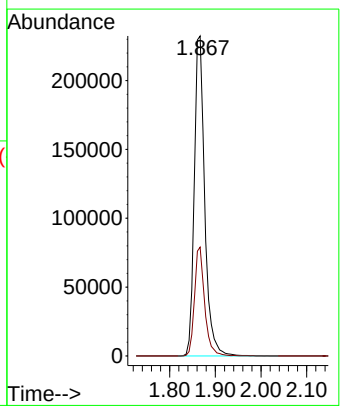
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

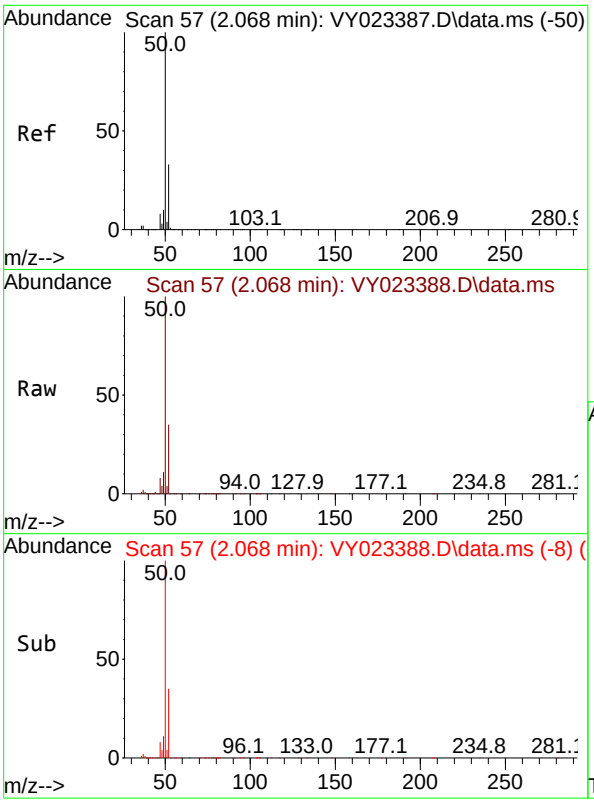


#2
Dichlorodifluoromethane
Concen: 78.627 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 85 Resp: 368985

Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.0	47.9

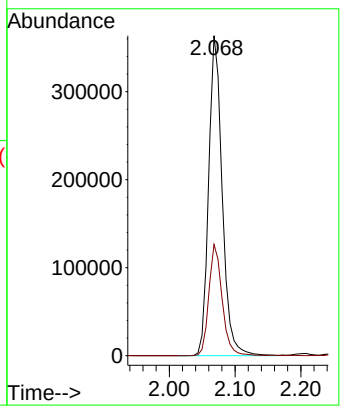




#3
Chloromethane
Concen: 78.195 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 50 Resp: 52160

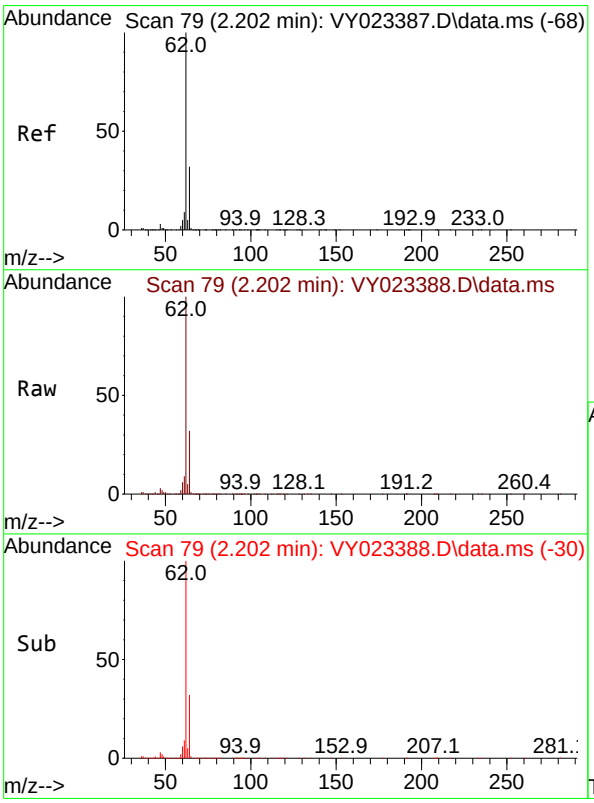
Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

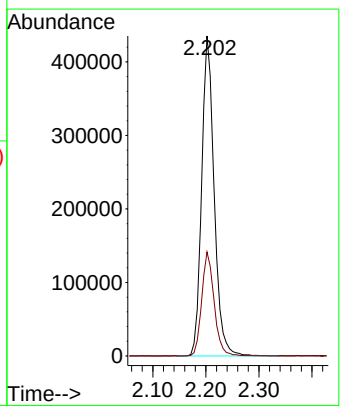
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

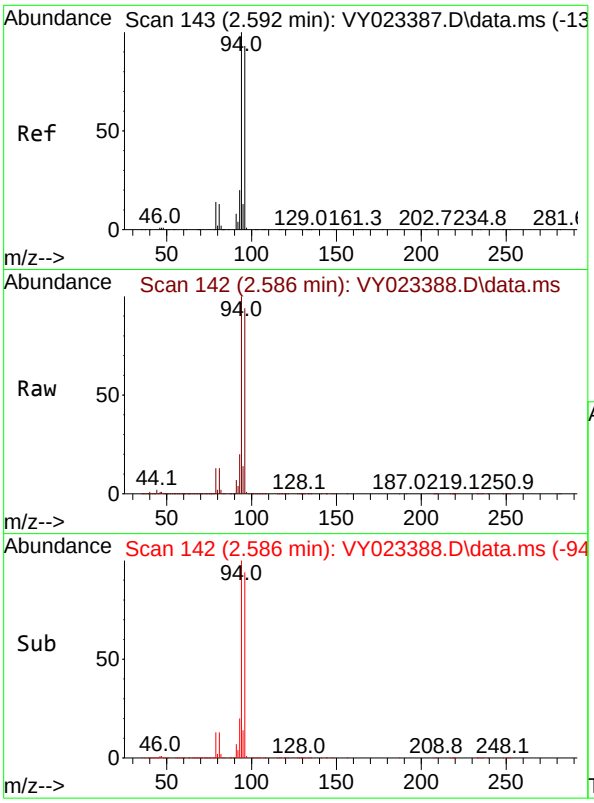


#4
Vinyl Chloride
Concen: 84.438 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 62 Resp: 711235

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.8	38.8

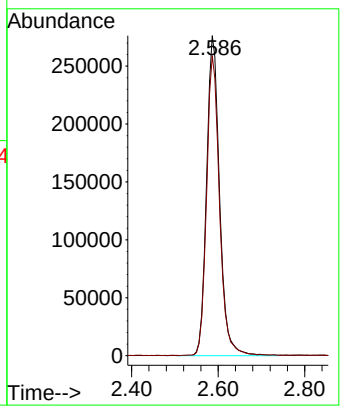




#5
Bromomethane
Concen: 83.210 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 94 Resp: 57495

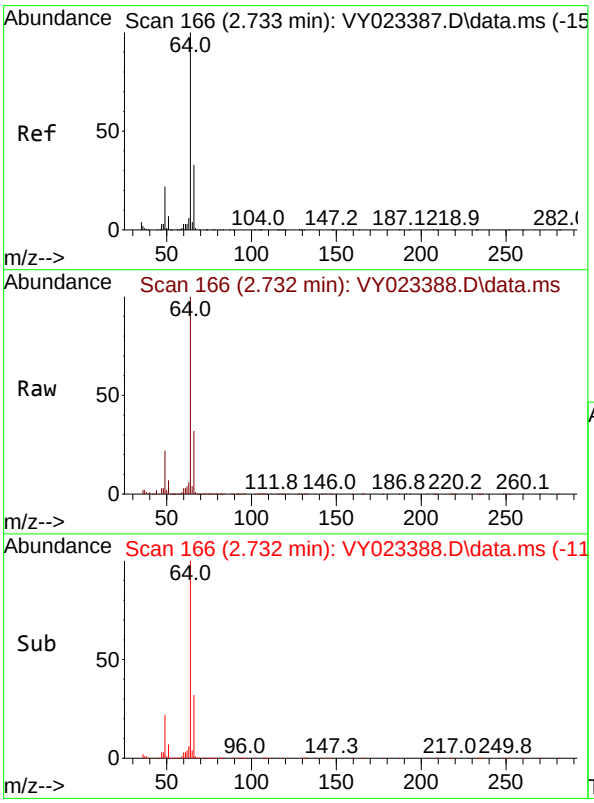
Ion	Ratio	Lower	Upper
94	100		
96	93.7	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

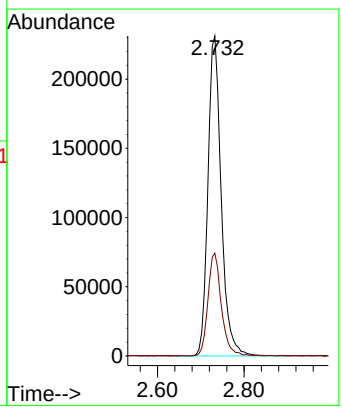
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

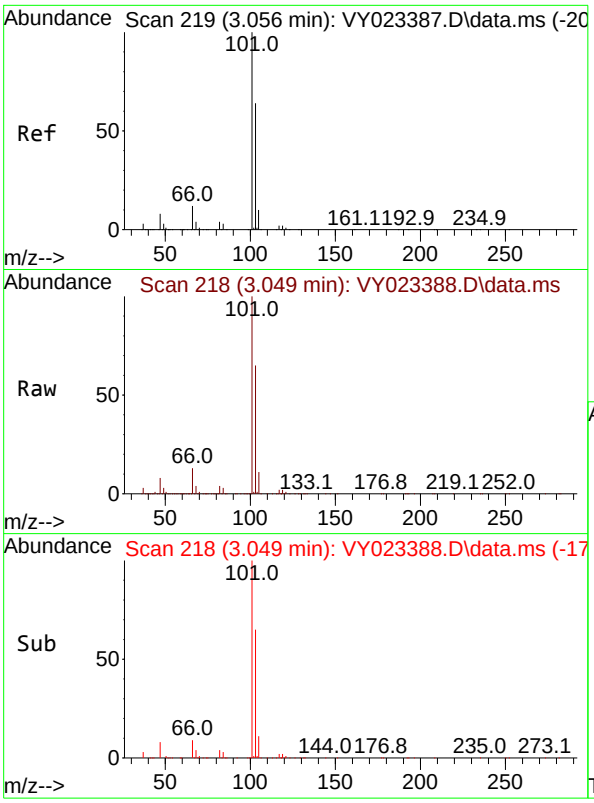


#6
Chloroethane
Concen: 85.968 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 64 Resp: 491625

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.2	39.4





#7
Trichlorofluoromethane
Concen: 93.610 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

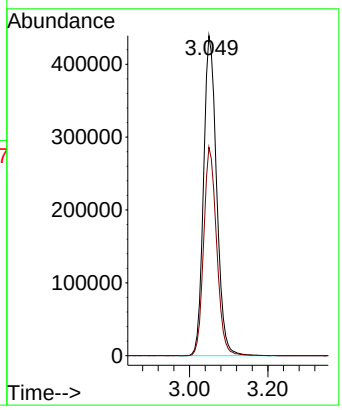
Tgt Ion:101 Resp: 101285

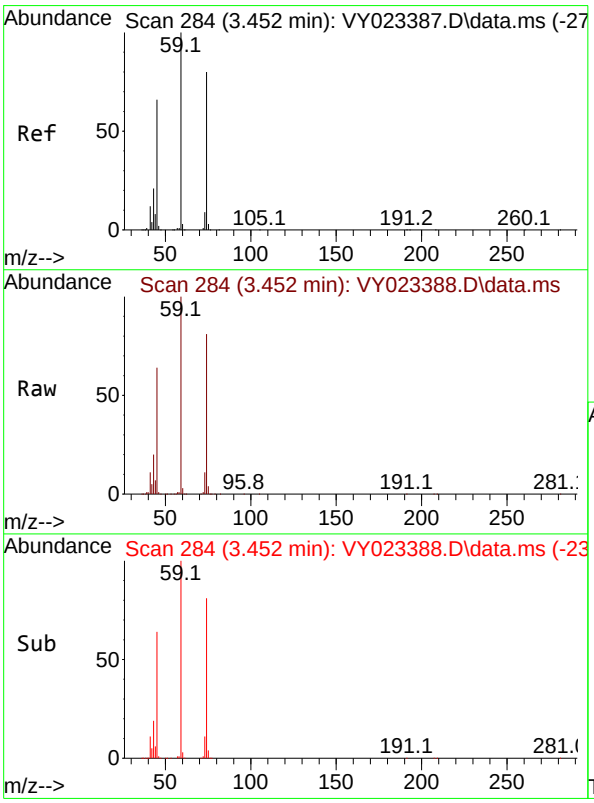
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

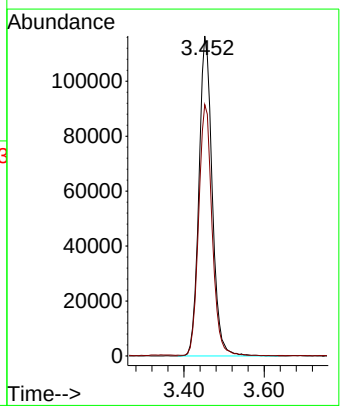


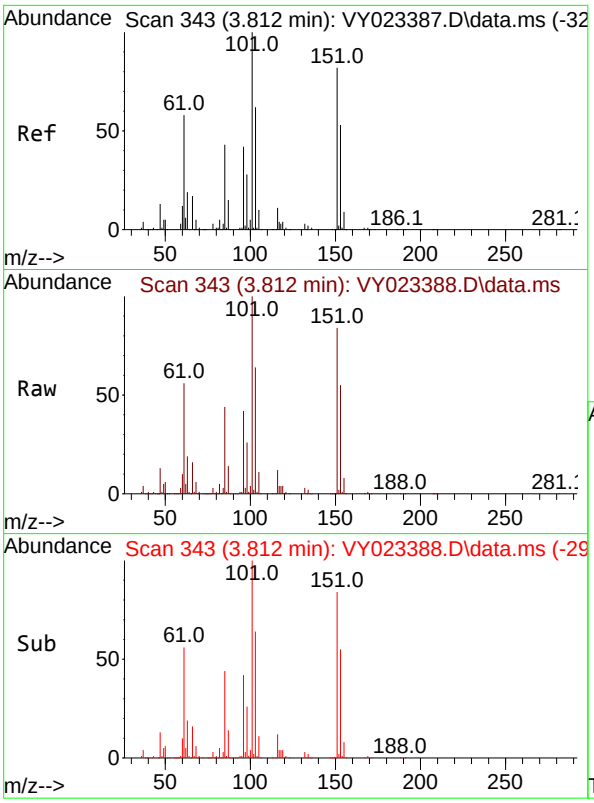


#8
Diethyl Ether
Concen: 94.266 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 74 Resp: 266779

Ion	Ratio	Lower	Upper
74	100		
45	79.9	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 88.441 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

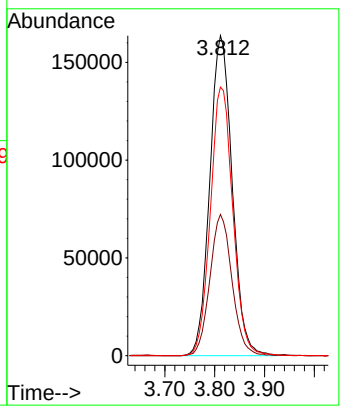
Tgt Ion:101 Resp: 51148

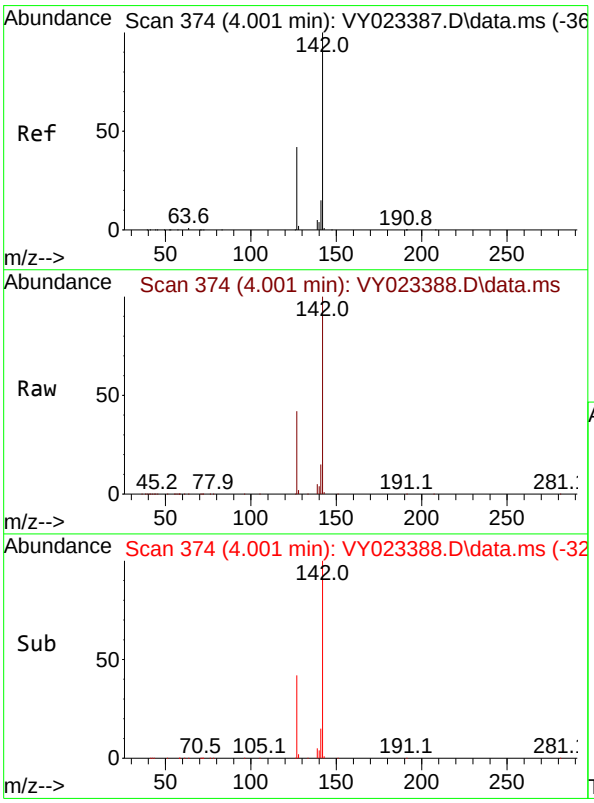
Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.6	51.8
151	84.1	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

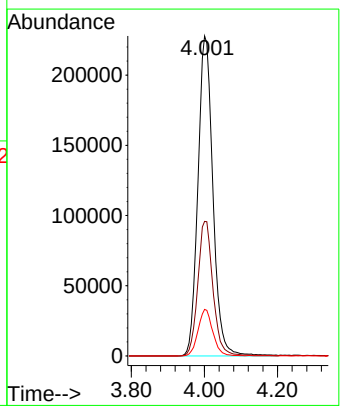


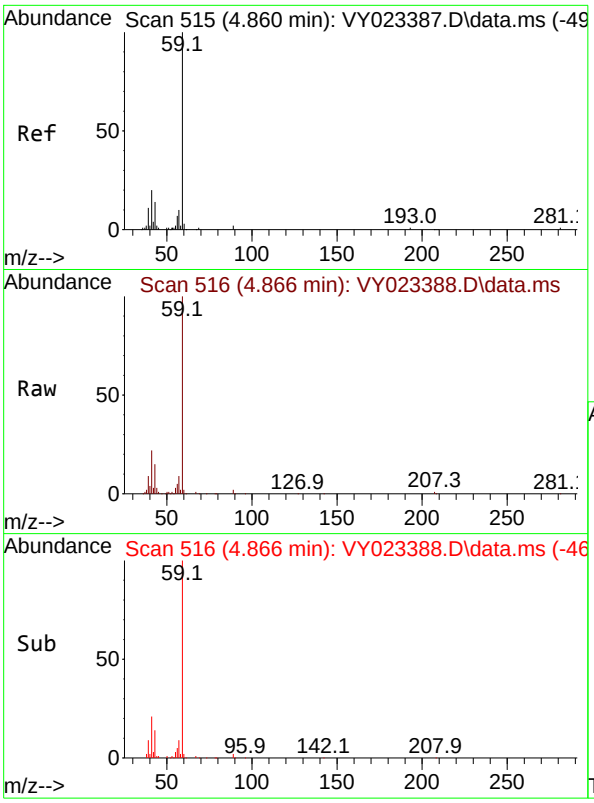


#10
Methyl Iodide
Concen: 97.495 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:142 Resp: 651575

Ion	Ratio	Lower	Upper
142	100		
127	42.7	34.8	52.2
141	14.3	11.6	17.4

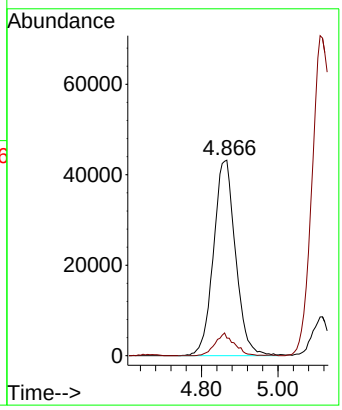




#11
Tert butyl alcohol
Concen: 568.898 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 59 Resp: 17271

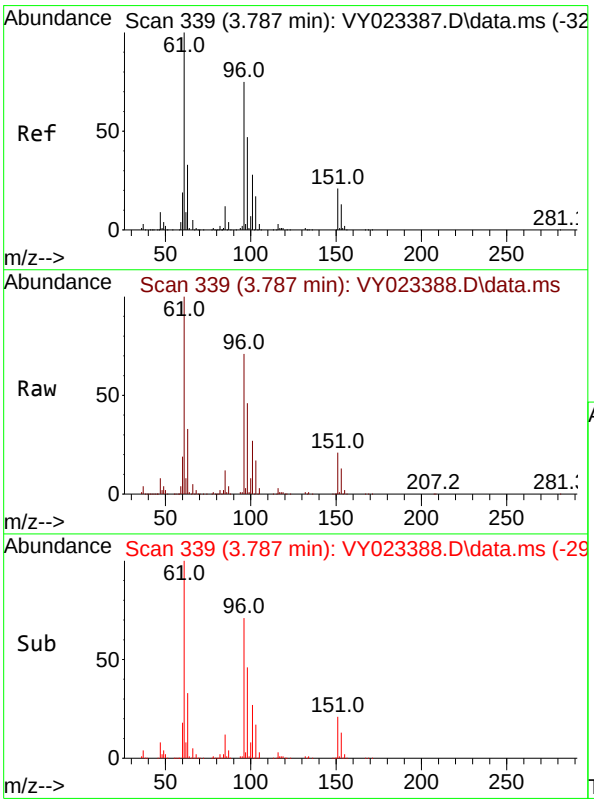
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

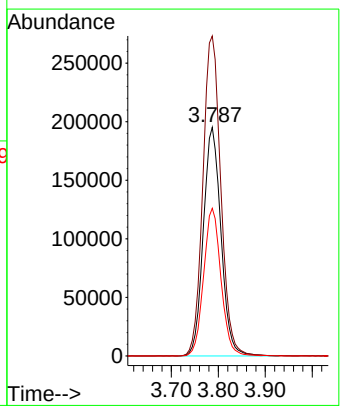
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

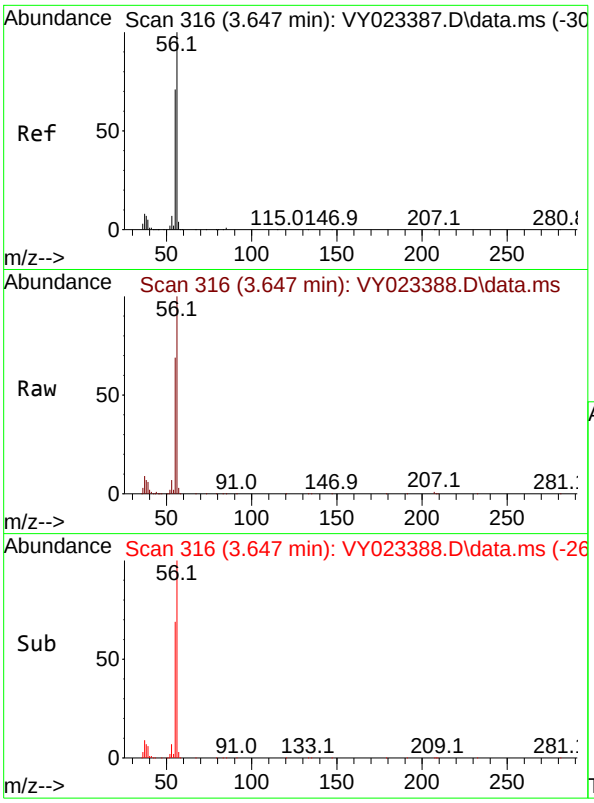


#12
1,1-Dichloroethene
Concen: 91.303 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 96 Resp: 508059

Ion	Ratio	Lower	Upper
96	100		
61	139.9	106.7	160.1
98	64.6	50.2	75.4

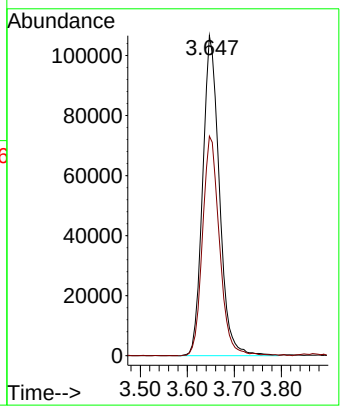




#13
Acrolein
Concen: 510.573 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 56 Resp: 26263

Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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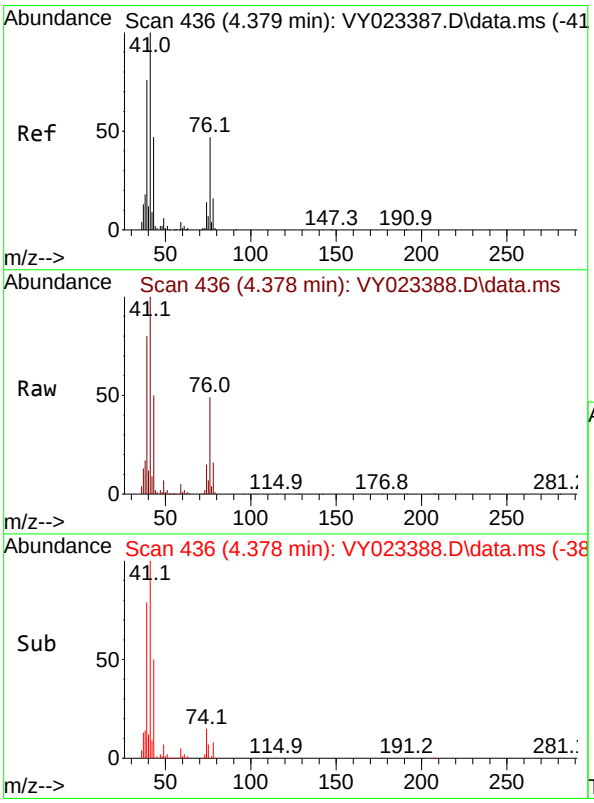
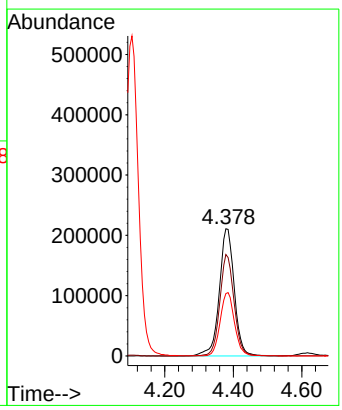
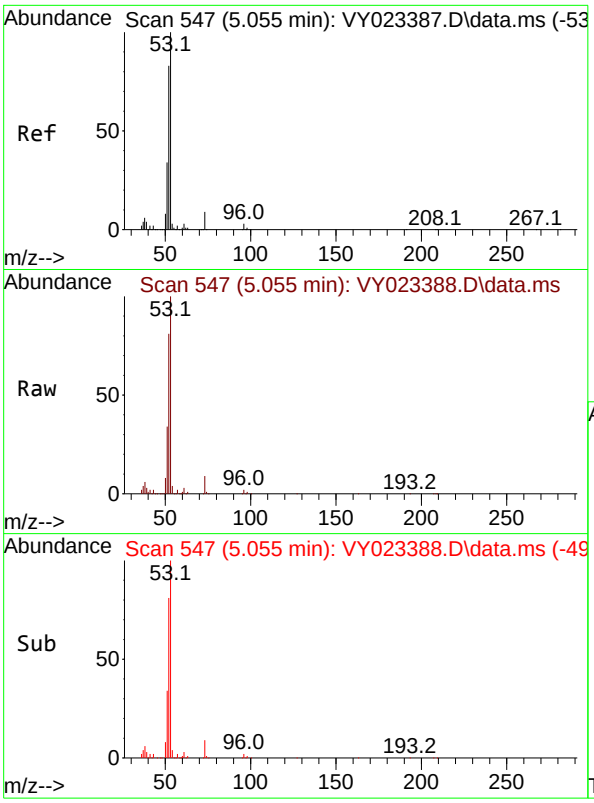


#14
Allyl chloride
Concen: 91.446 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 41 Resp: 637073

Ion	Ratio	Lower	Upper
41	100		
39	75.8	59.9	89.9
76	47.5	38.0	57.0

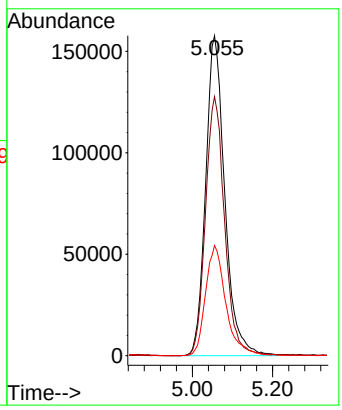




#15
Acrylonitrile
Concen: 471.296 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 53 Resp: 52251

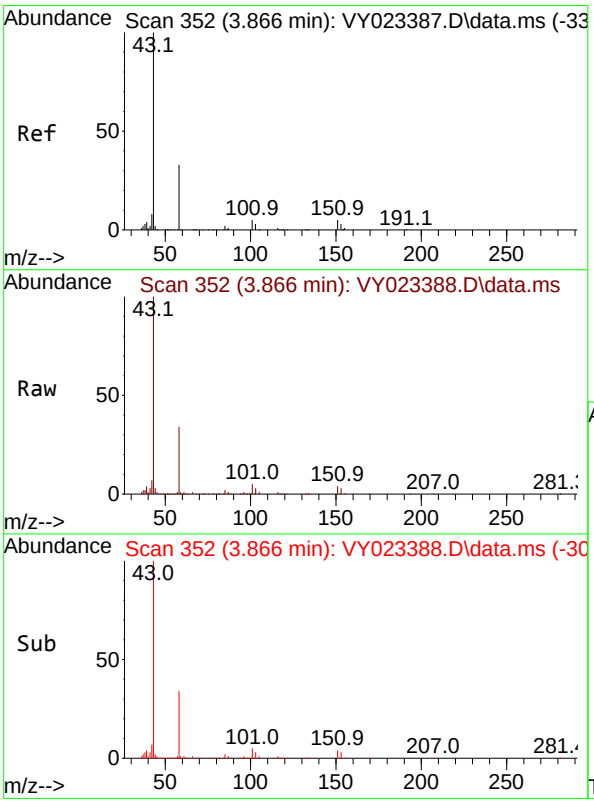
Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.6	97.0
51	36.7	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

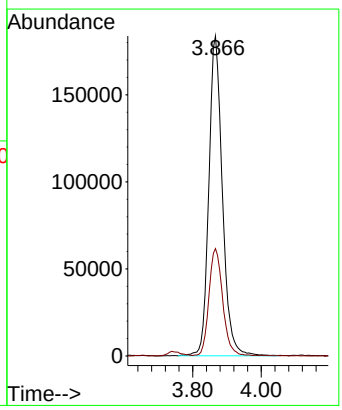
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

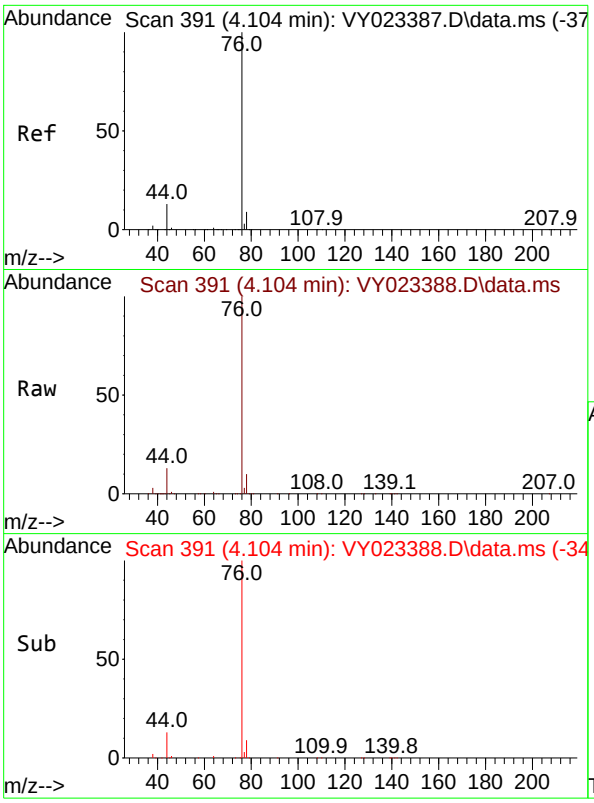


#16
Acetone
Concen: 435.004 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 504700

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.7	41.5





#17
Carbon Disulfide
Concen: 83.061 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

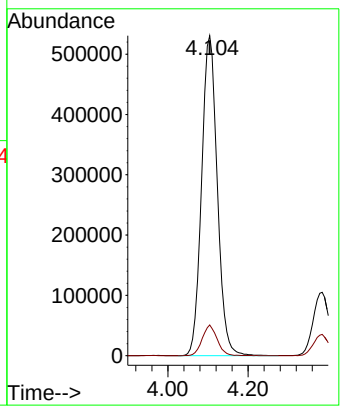
Tgt Ion: 76 Resp: 144200

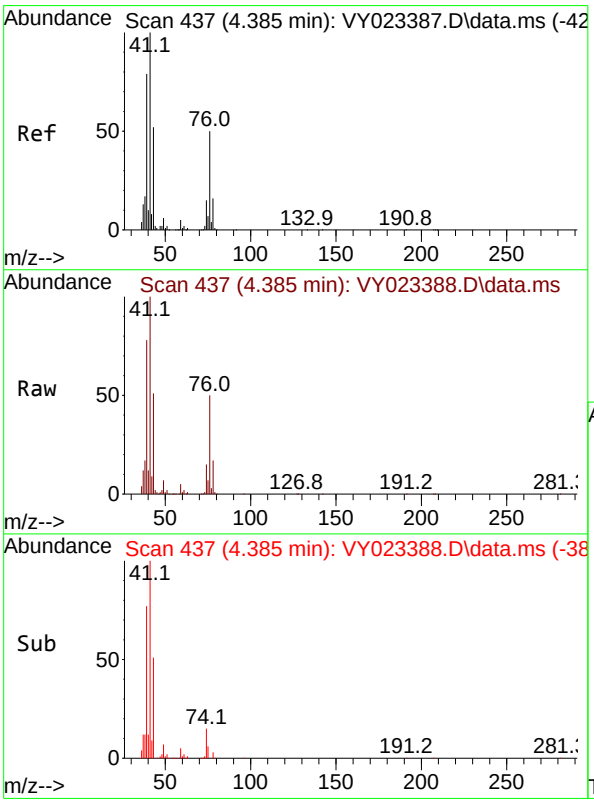
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

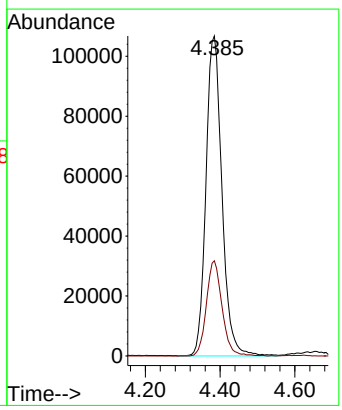


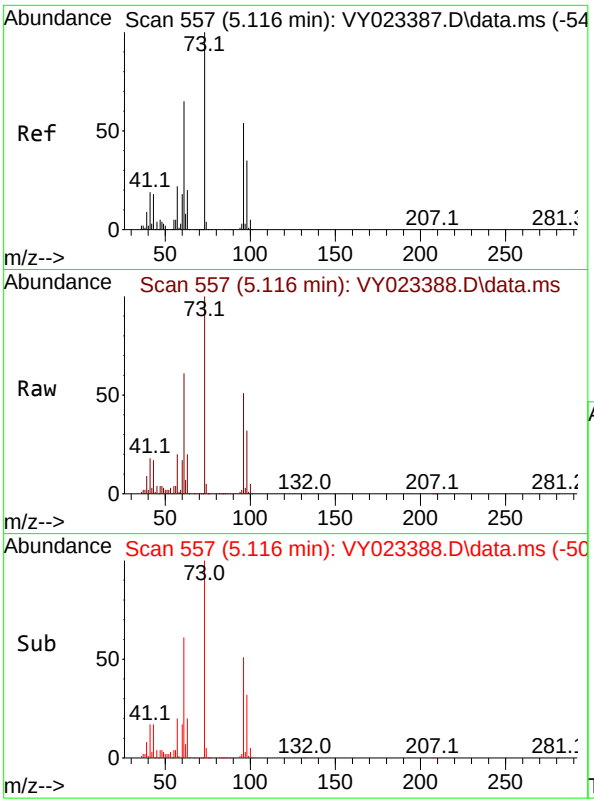


#18
Methyl Acetate
Concen: 107.474 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 316911

Ion	Ratio	Lower	Upper
43	100		
74	29.1	24.2	36.4

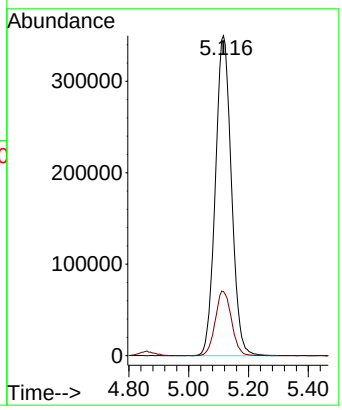




#19
Methyl tert-butyl Ether
Concen: 99.797 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 73 Resp: 130020

Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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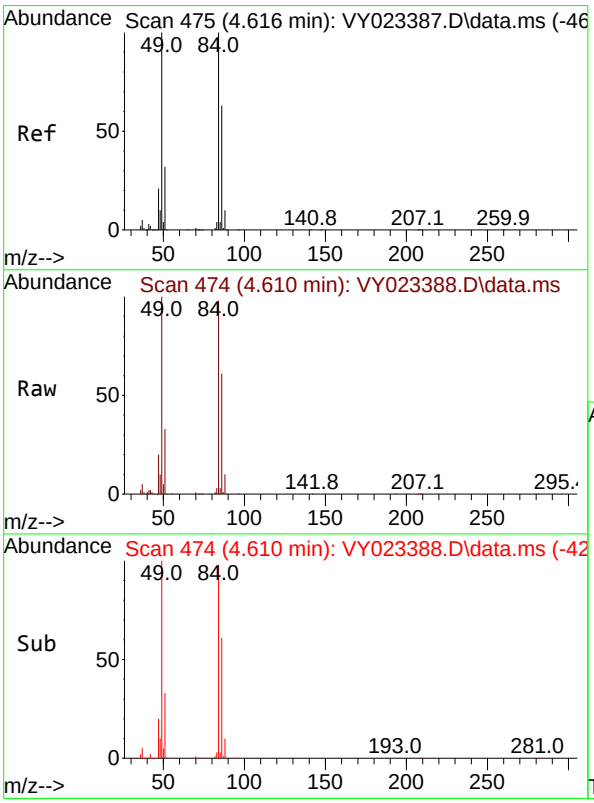
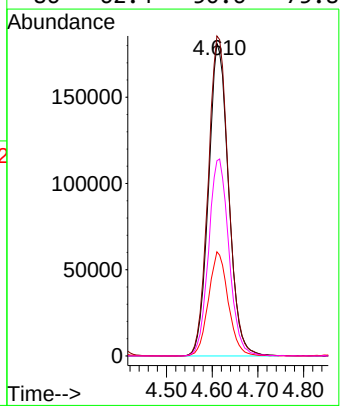
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

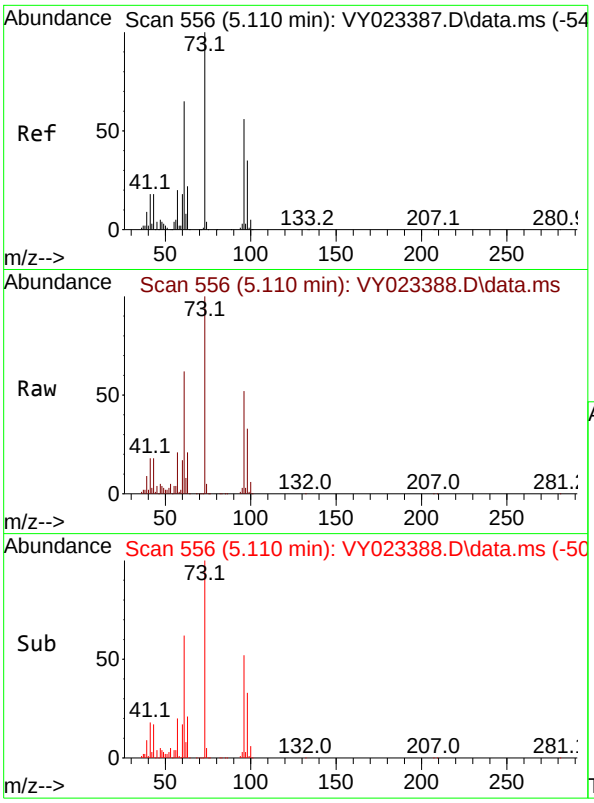


#20
Methylene Chloride
Concen: 87.742 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 84 Resp: 552018

Ion	Ratio	Lower	Upper
84	100		
49	102.4	80.2	120.4
51	33.3	25.9	38.9
86	62.4	50.6	75.8

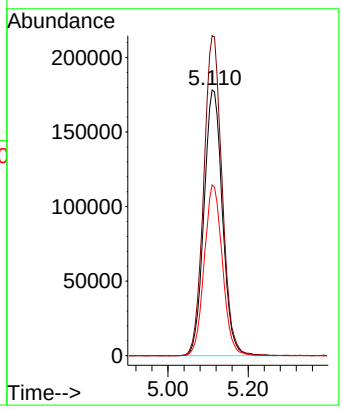




#21
trans-1,2-Dichloroethene
Concen: 91.999 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 96 Resp: 56933

Ion	Ratio	Lower	Upper
96	100		
61	120.4	92.7	139.1
98	64.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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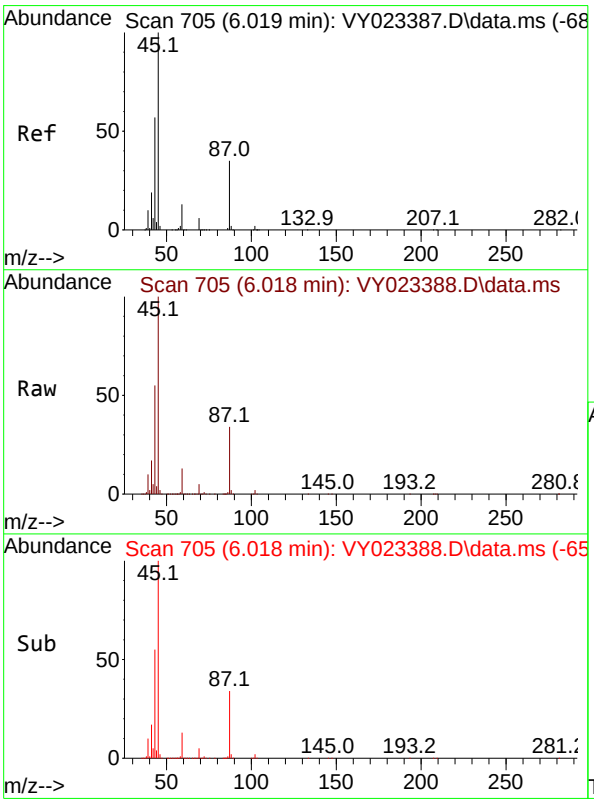
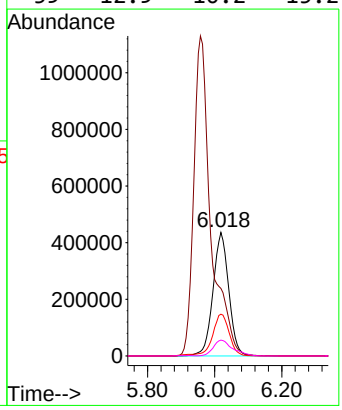
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

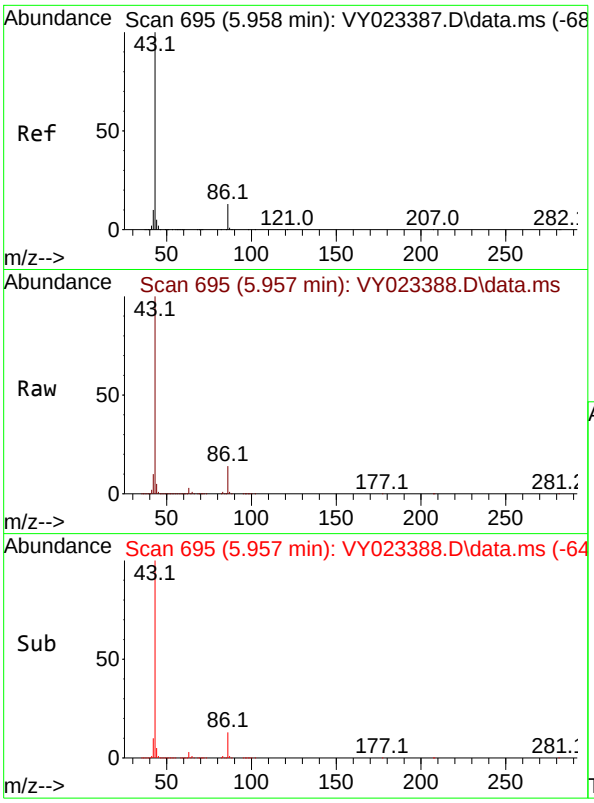


#22
Diisopropyl ether
Concen: 92.133 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 45 Resp: 1423347

Ion	Ratio	Lower	Upper
45	100		
43	54.4	45.6	68.4
87	33.8	28.1	42.1
59	12.9	10.2	15.2

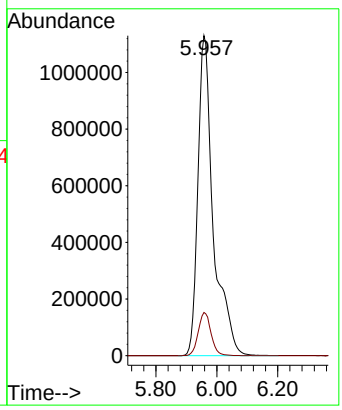




#23
Vinyl Acetate
Concen: 468.098 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 397505

Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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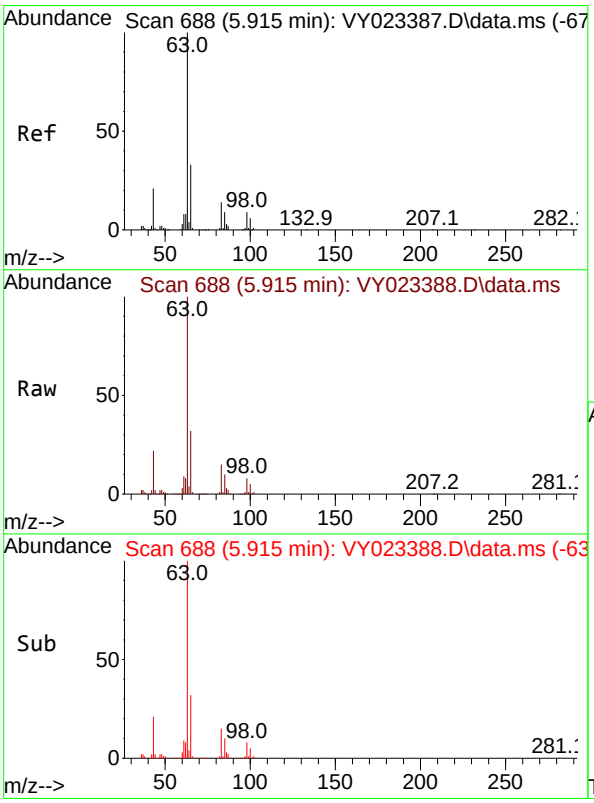
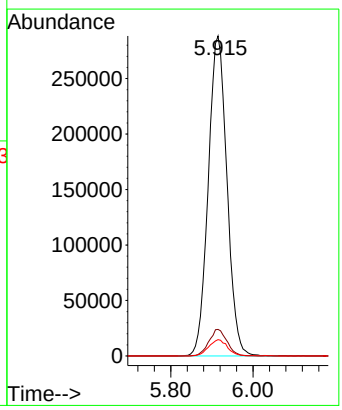
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

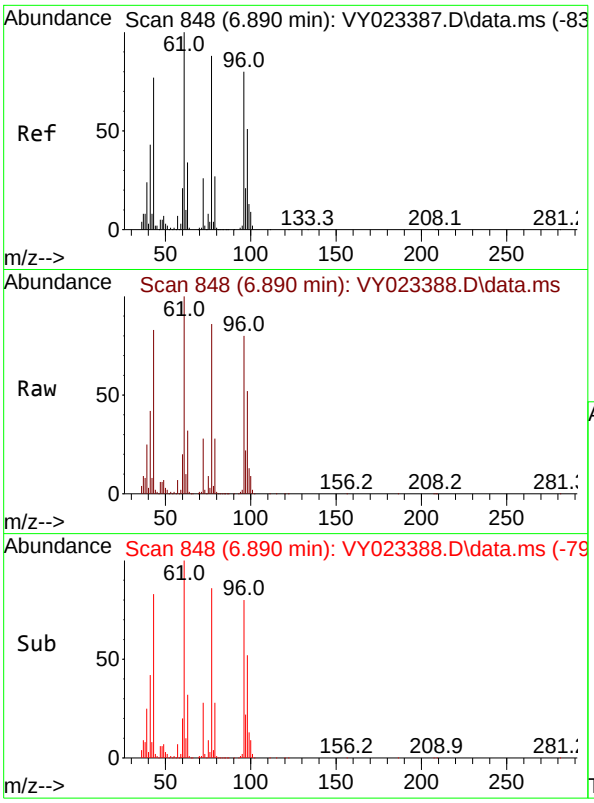


#24
1,1-Dichloroethane
Concen: 89.517 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 63 Resp: 911619

Ion	Ratio	Lower	Upper
63	100		
98	8.3	4.3	13.1
100	5.1	2.8	8.4





#25
2-Butanone
Concen: 478.154 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 68569

Ion	Ratio	Lower	Upper
43	100		
72	33.9	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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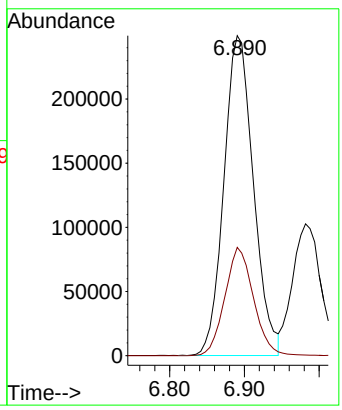
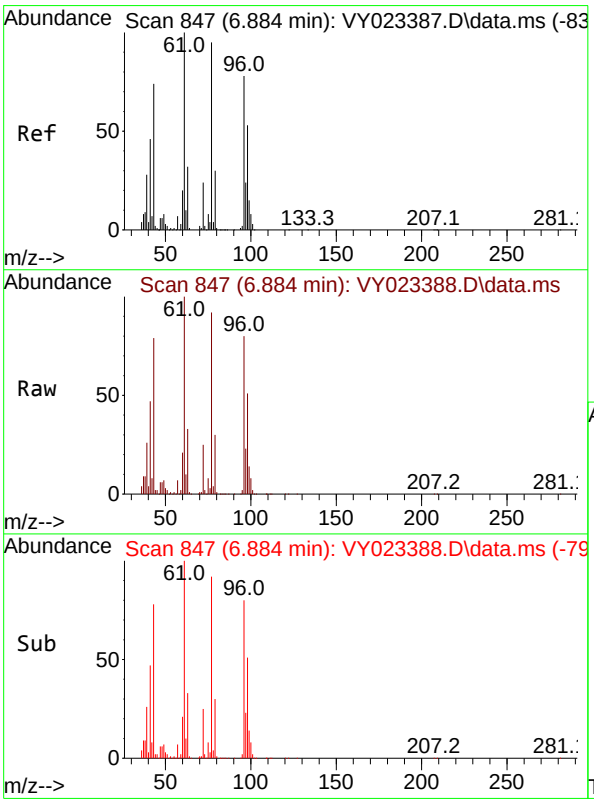
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

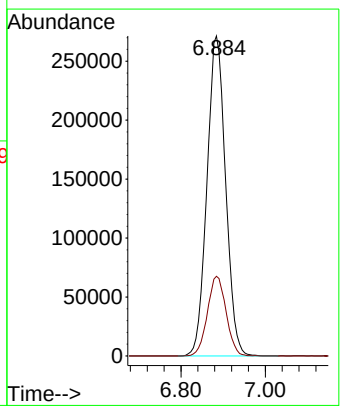


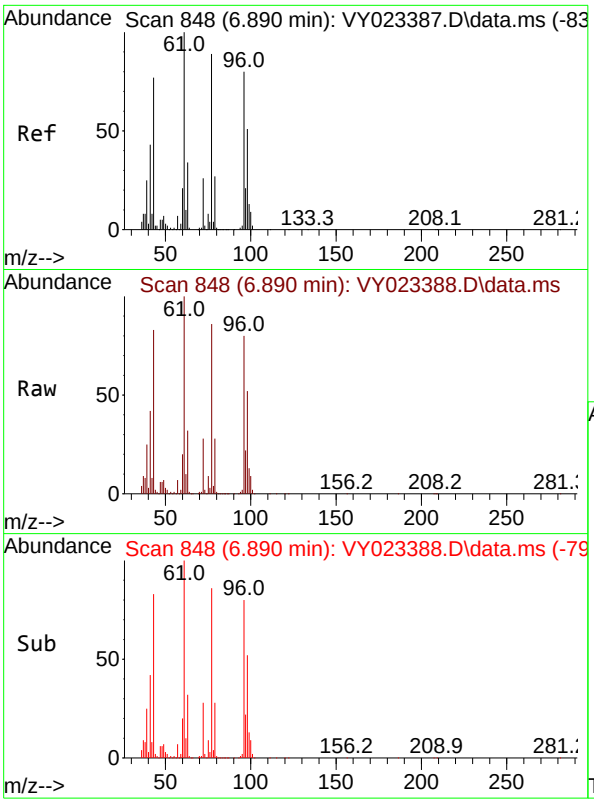


#26
2,2-Dichloropropane
Concen: 92.108 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 77 Resp: 833452

Ion	Ratio	Lower	Upper
77	100		
97	25.0	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 95.557 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 96 Resp: 67077

Ion	Ratio	Lower	Upper
96	100		
61	125.9	0.0	258.2
98	64.7	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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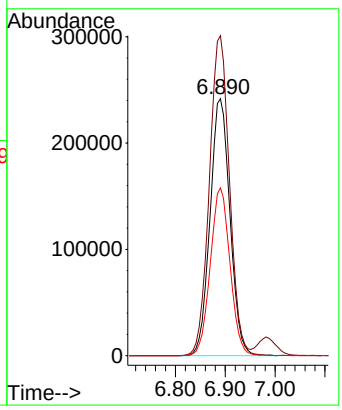
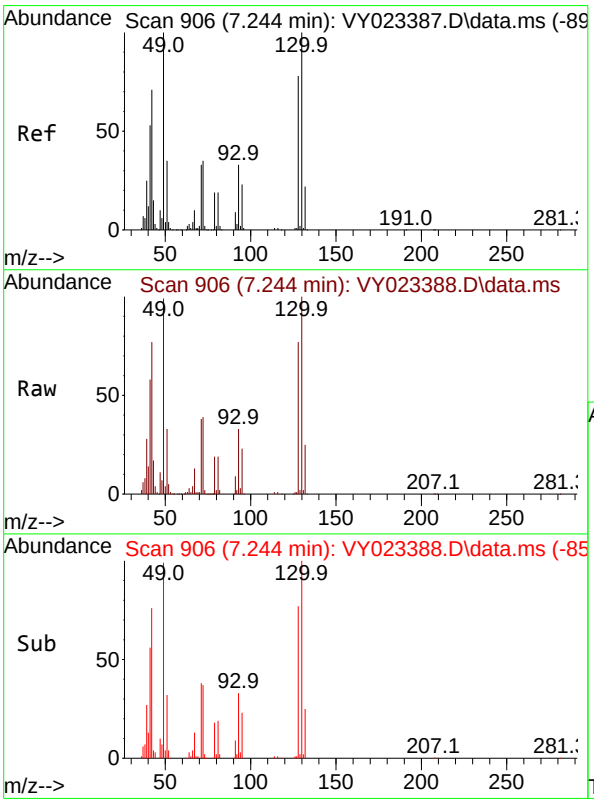
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

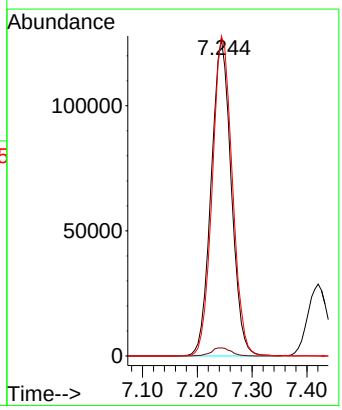


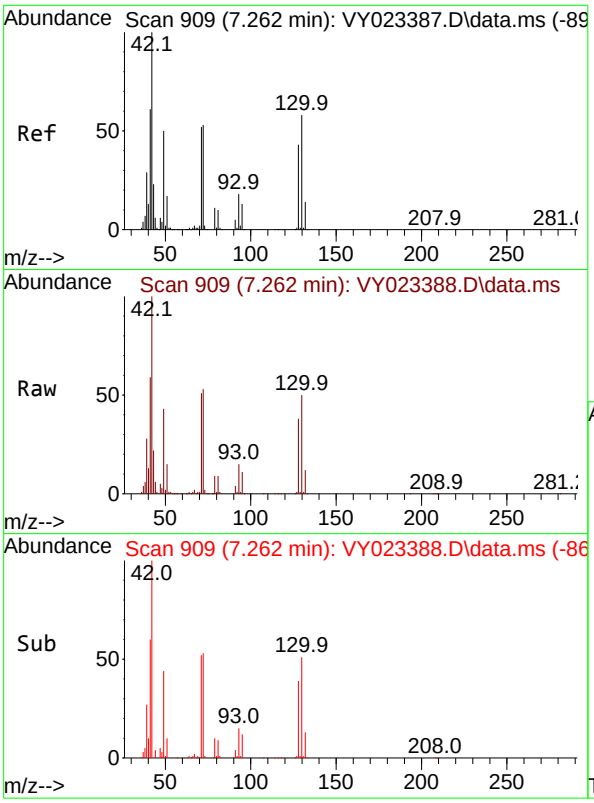


#28
Bromochloromethane
Concen: 81.418 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 49 Resp: 321657

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	100.9	81.9	122.9

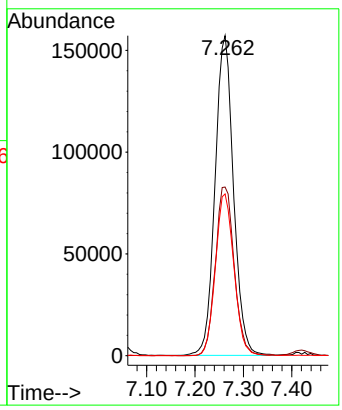




#29
Tetrahydrofuran
Concen: 488.587 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 42 Resp: 41586

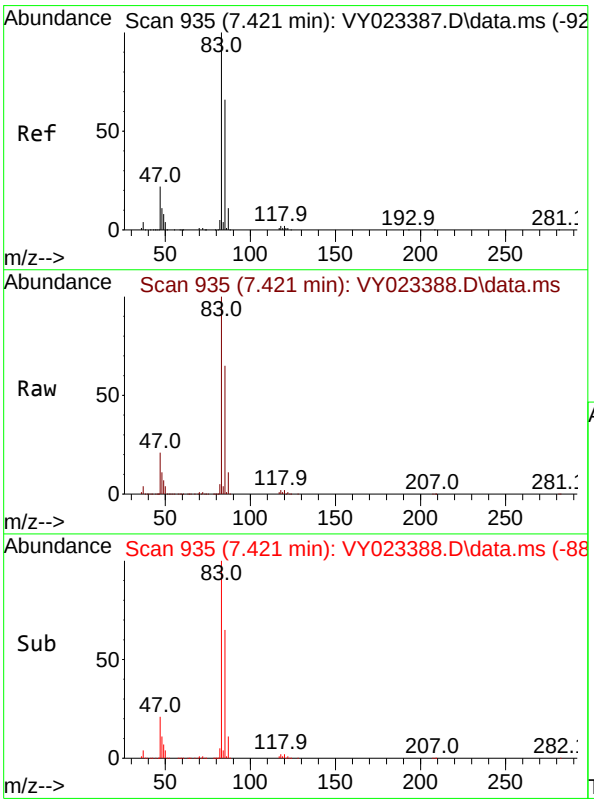
Ion	Ratio	Lower	Upper
42	100		
72	54.1	43.0	64.6
71	50.9	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

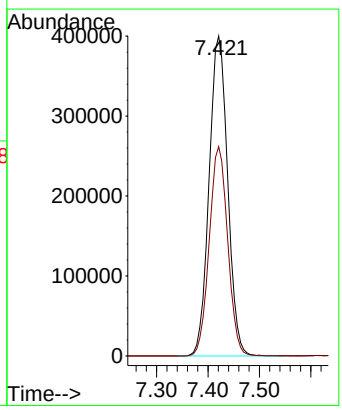
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

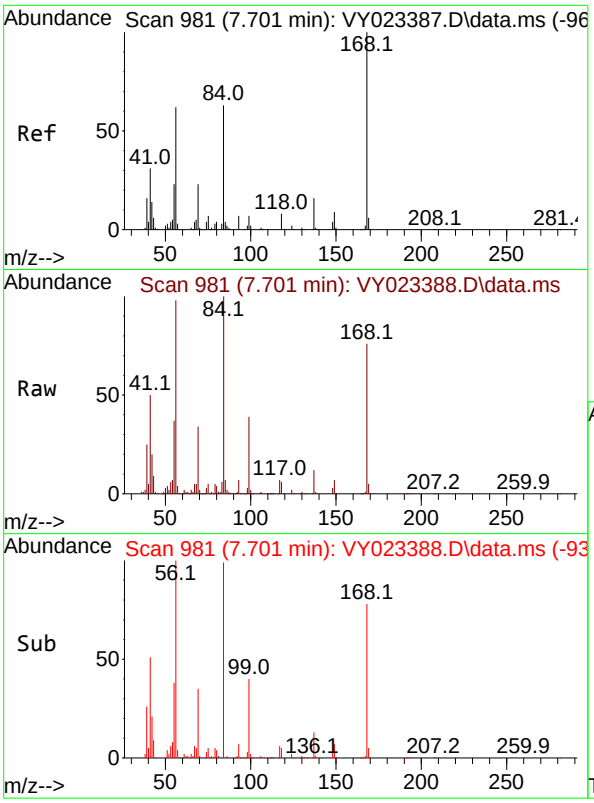


#30
Chloroform
Concen: 91.401 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 83 Resp: 1003722

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7

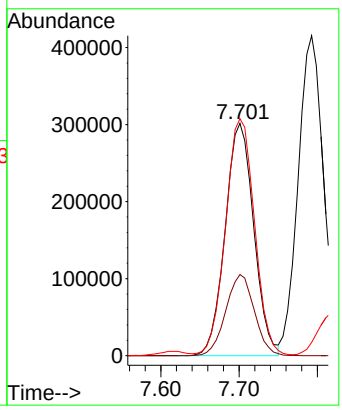




#31
Cyclohexane
Concen: 85.293 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 56 Resp: 76708

Ion	Ratio	Lower	Upper
56	100		
69	34.9	30.0	45.0
84	100.2	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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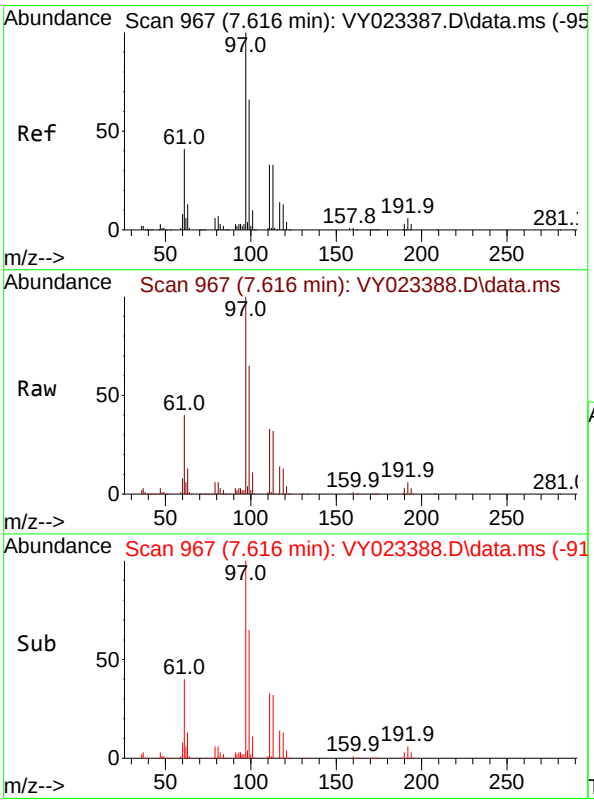
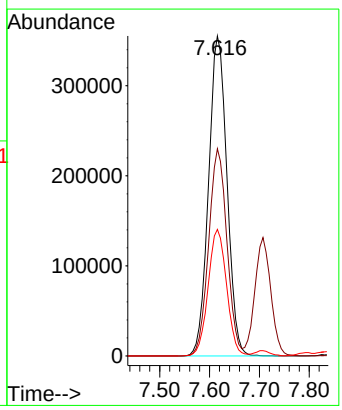
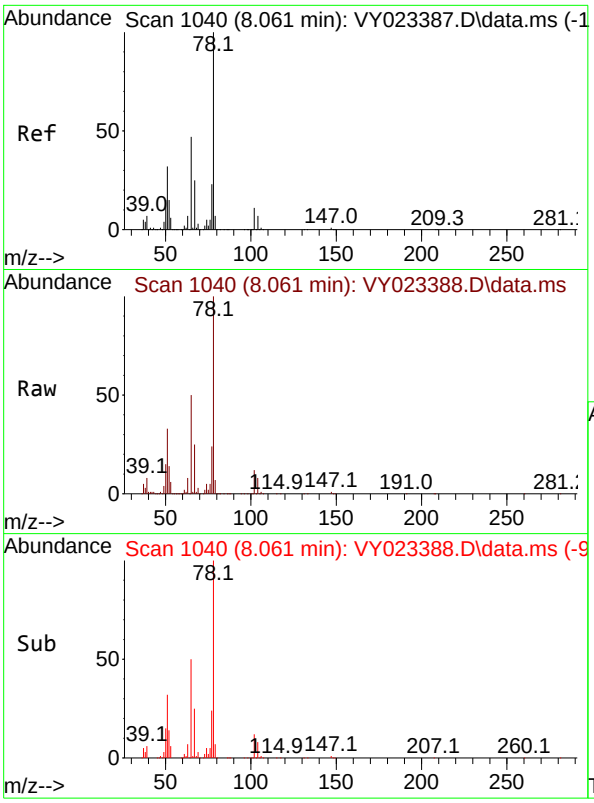


#32
1,1,1-Trichloroethane
Concen: 92.399 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 97 Resp: 910837

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.7	31.9	47.9





#33
1,2-Dichloroethane-d4
Concen: 90.510 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 65 Resp: 46700

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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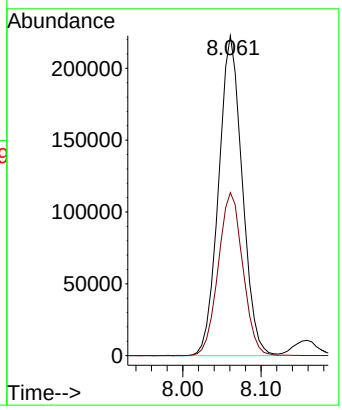
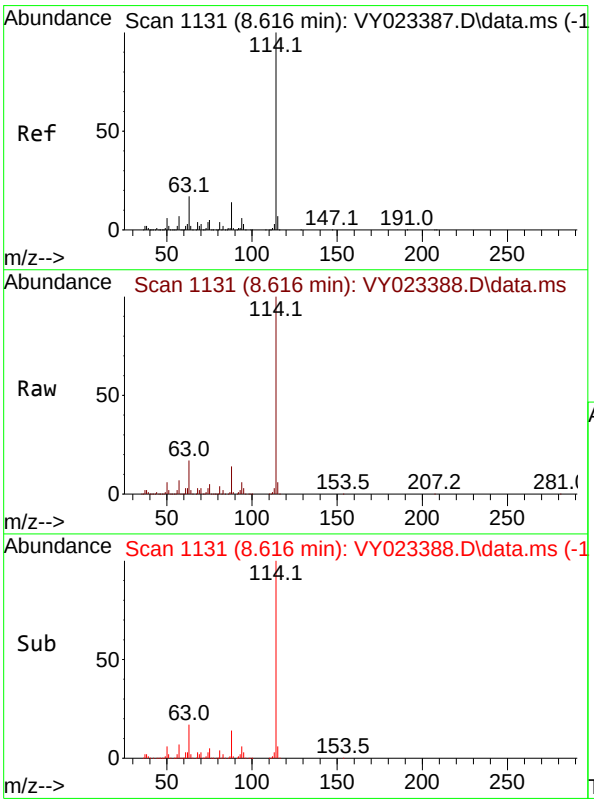
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

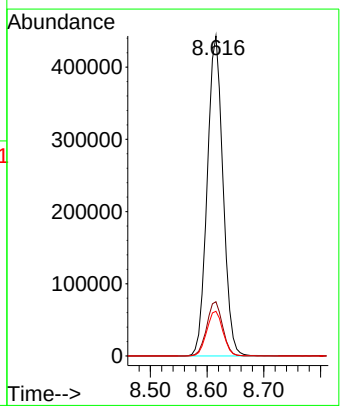


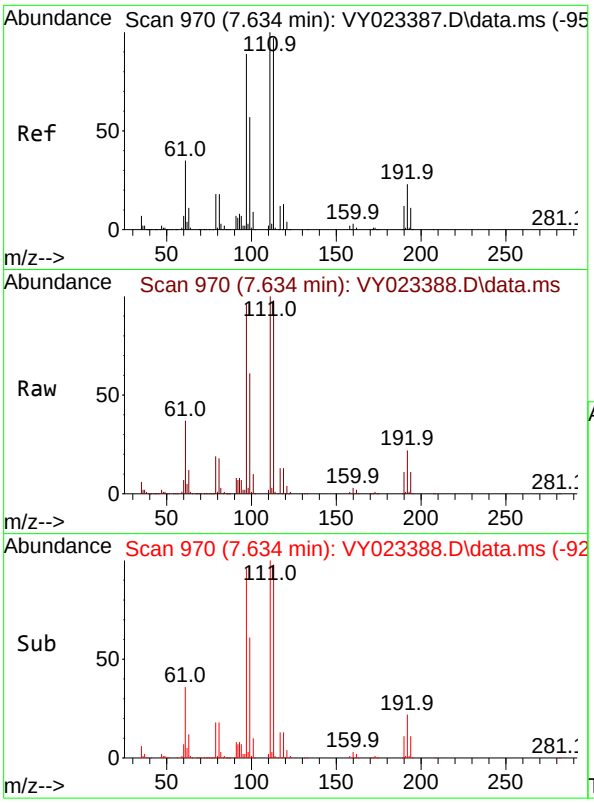


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:114 Resp: 855682

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.2
88	13.9	0.0	28.4





#35
Dibromofluoromethane
Concen: 98.497 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:113 Resp: 51147

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.5	18.0	27.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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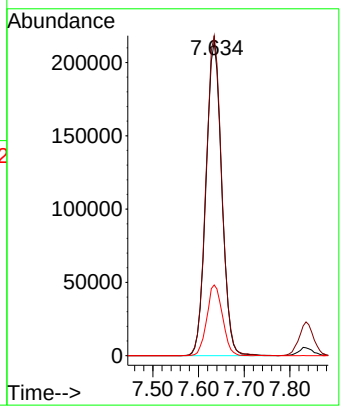
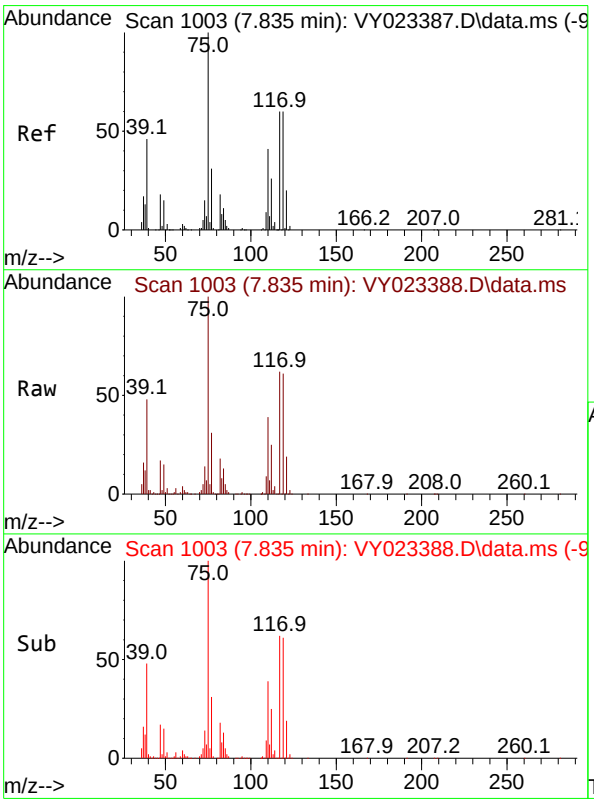
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

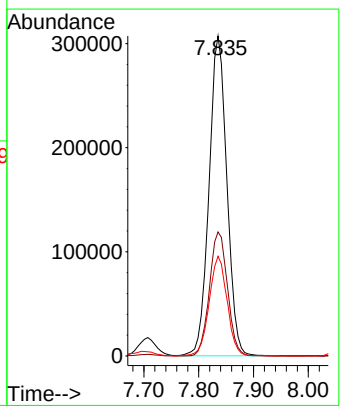


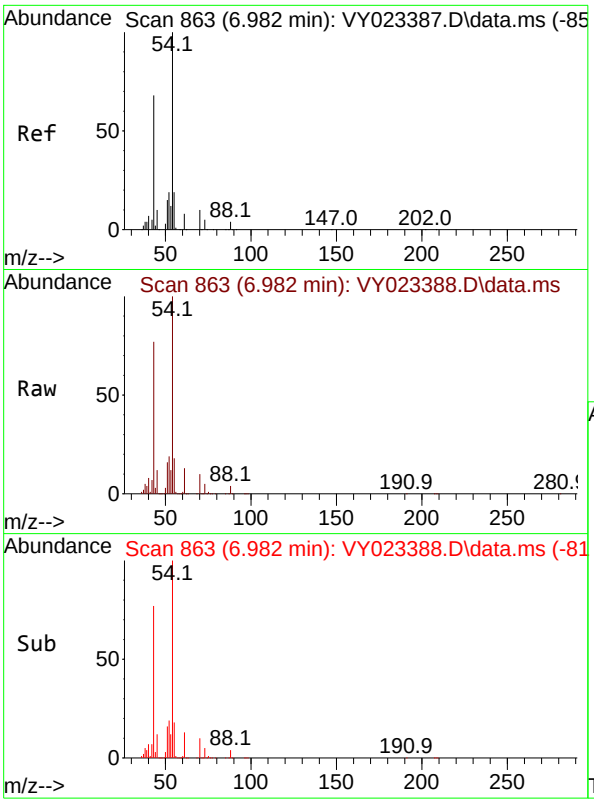


#36
1,1-Dichloropropene
Concen: 94.516 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 692477

Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.9	59.7
77	31.4	25.0	37.6

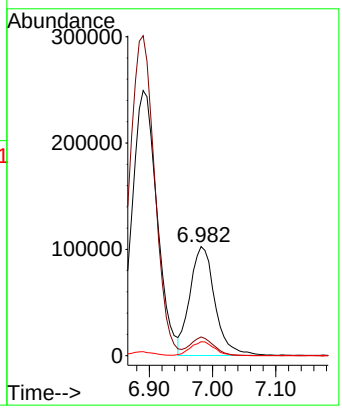




#37
Ethyl Acetate
Concen: 96.859 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 28056

Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.8
70	12.4	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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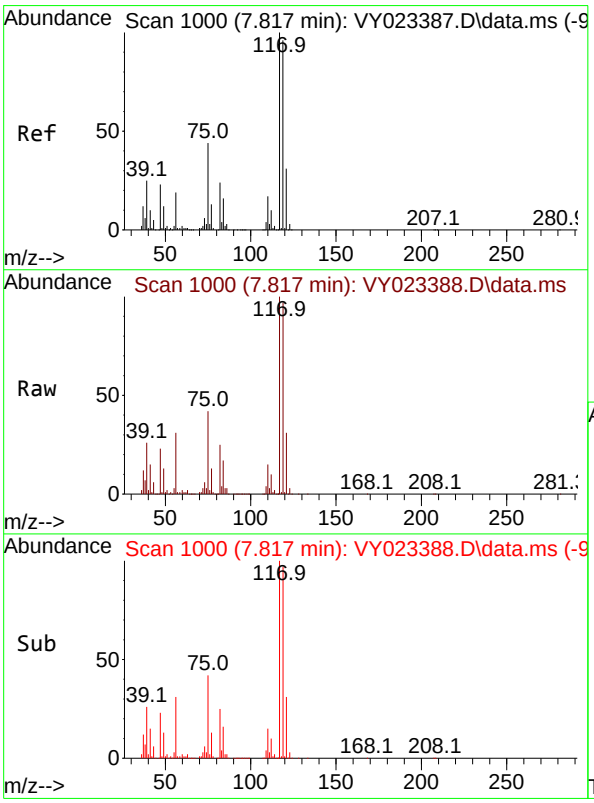
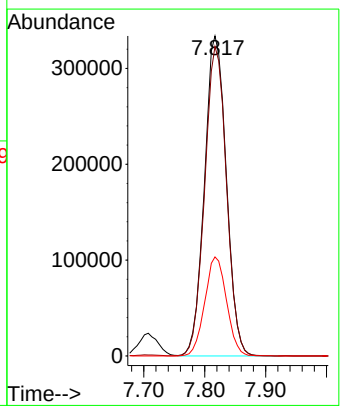
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

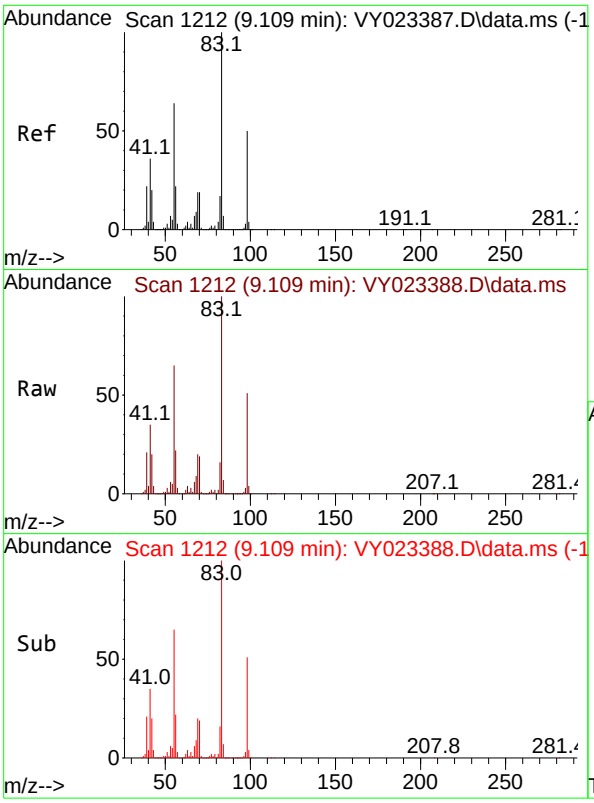


#38
Carbon Tetrachloride
Concen: 97.894 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:117 Resp: 833170

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.8	115.2
121	30.9	24.5	36.7





#39
Methylcyclohexane
Concen: 101.024 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 83 Resp: 94766

Ion	Ratio	Lower	Upper
83	100		
55	65.4	51.4	77.2
98	51.3	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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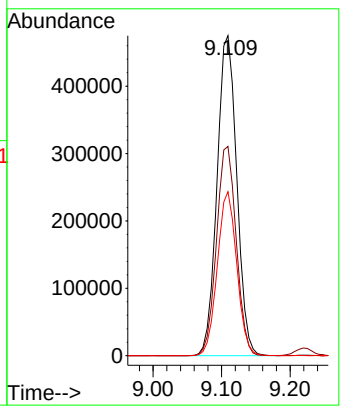
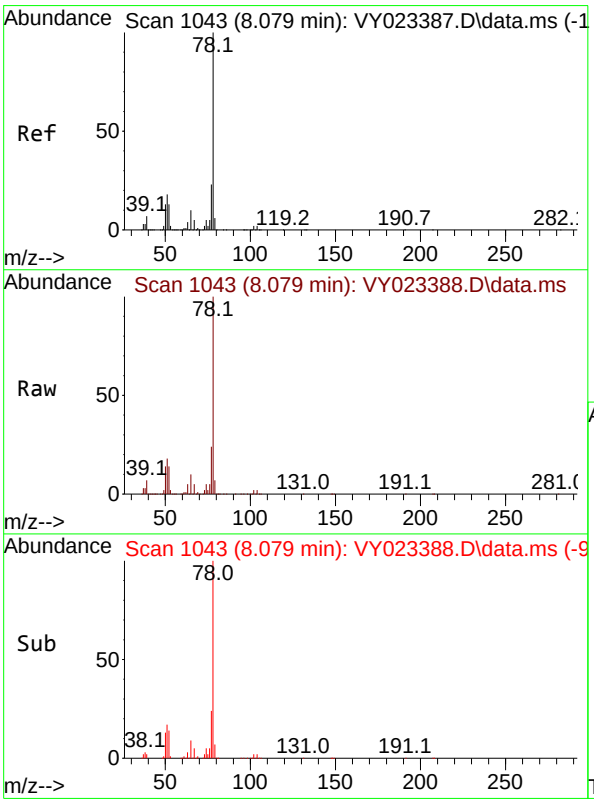
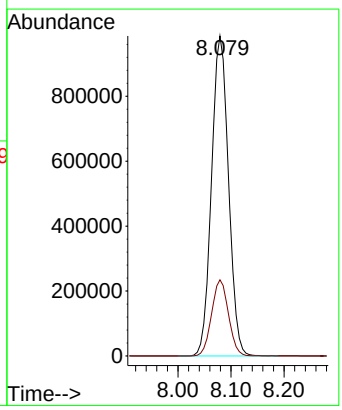


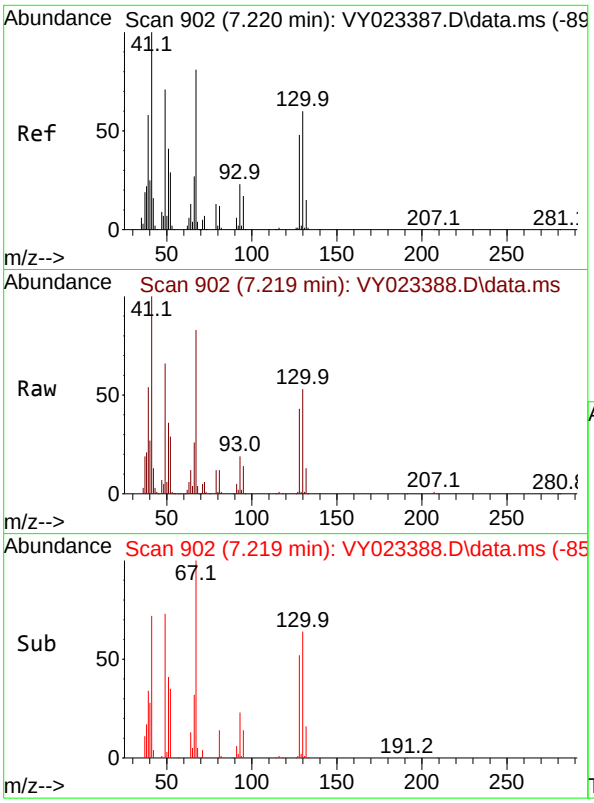


#40
Benzene
Concen: 96.000 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 78 Resp: 2192645

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.3	27.5

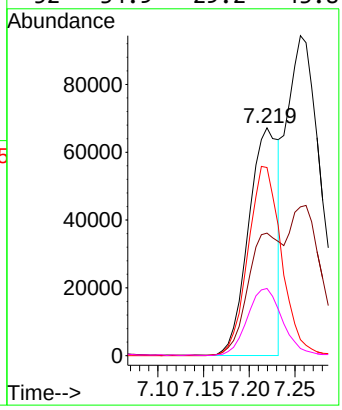




#41
Methacrylonitrile
Concen: 101.200 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 41 Resp: 15223

Ion	Ratio	Lower	Upper
41	100		
39	62.6	52.2	78.4
67	93.9	74.9	112.3
52	34.9	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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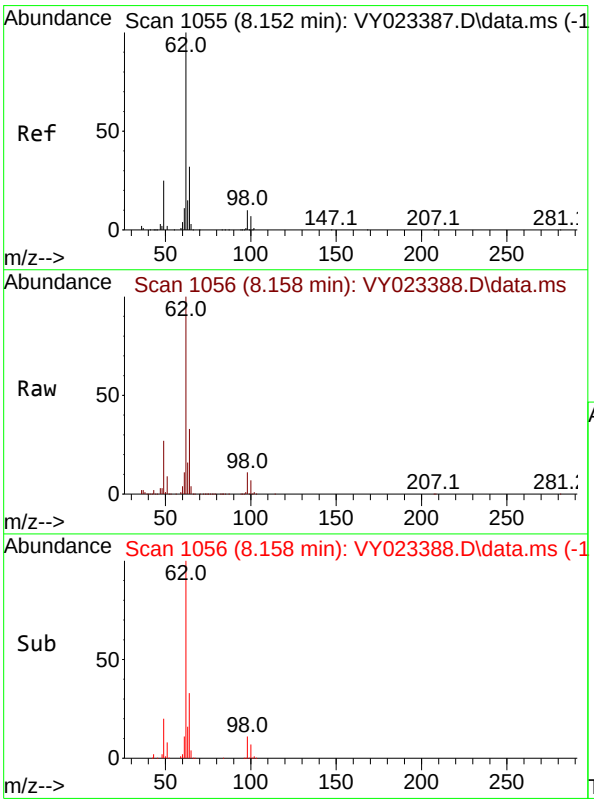
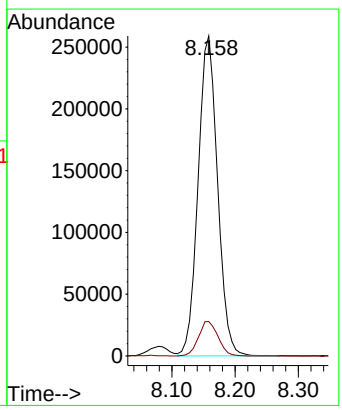
Supervised By :Mahesh Dadoda 10/10/2025

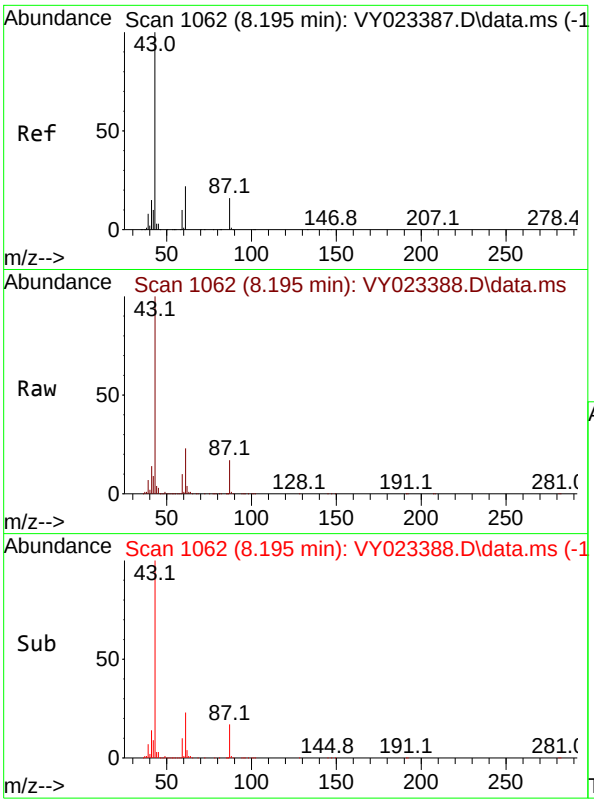


#42
1,2-Dichloroethane
Concen: 95.449 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 62 Resp: 554810

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.6

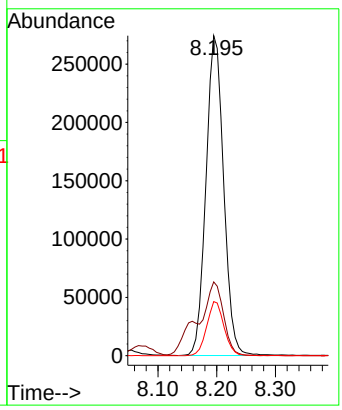




#43
Isopropyl Acetate
Concen: 101.815 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 57365

Ion	Ratio	Lower	Upper
43	100		
61	23.0	18.1	27.1
87	16.6	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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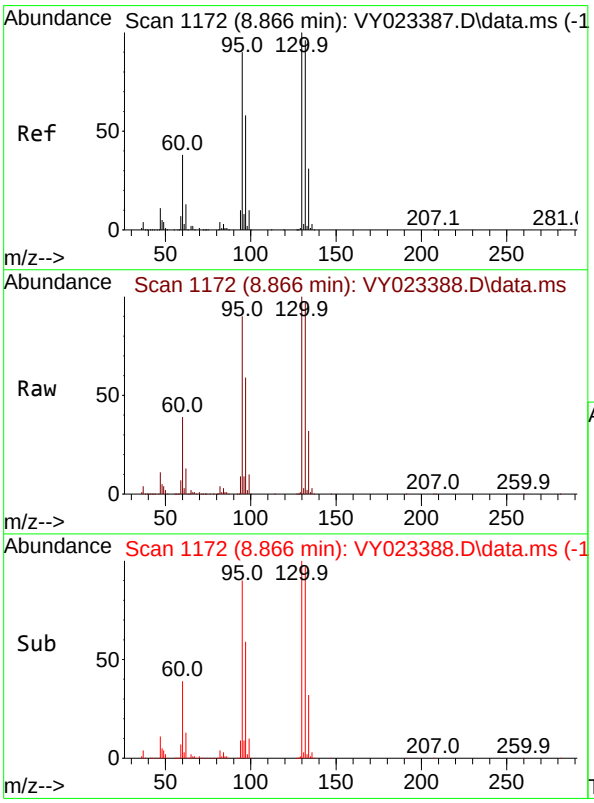
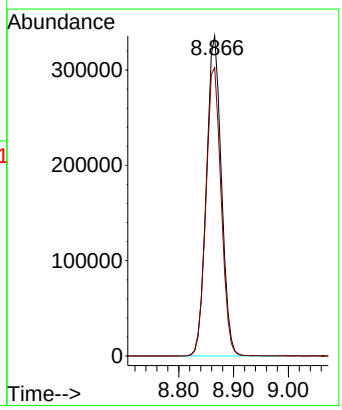
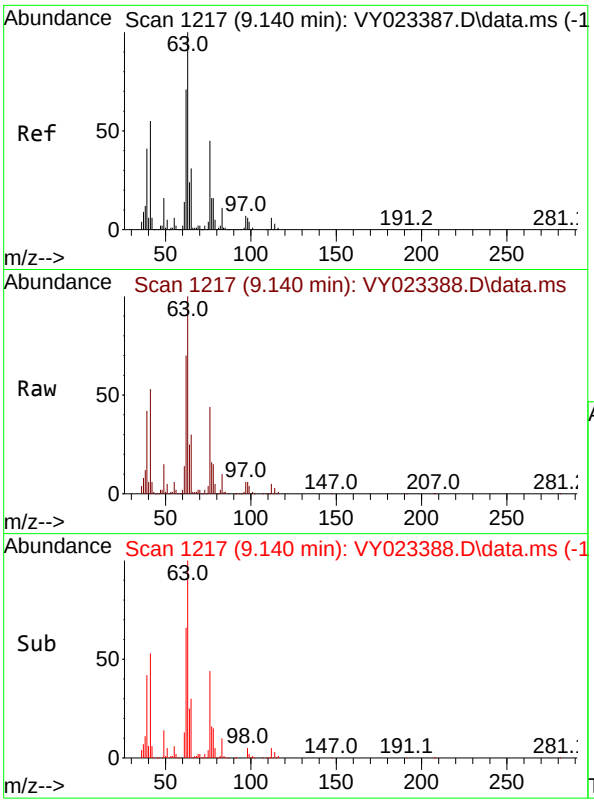


#44
Trichloroethene
Concen: 99.245 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:130 Resp: 636149

Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	180.6

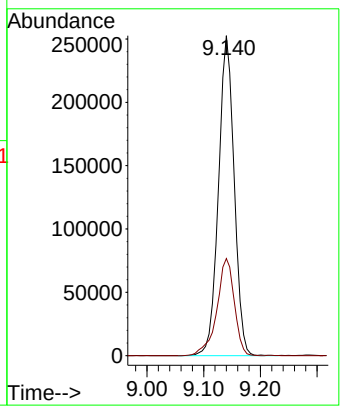




#45
1,2-Dichloropropane
Concen: 94.381 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 63 Resp: 48508

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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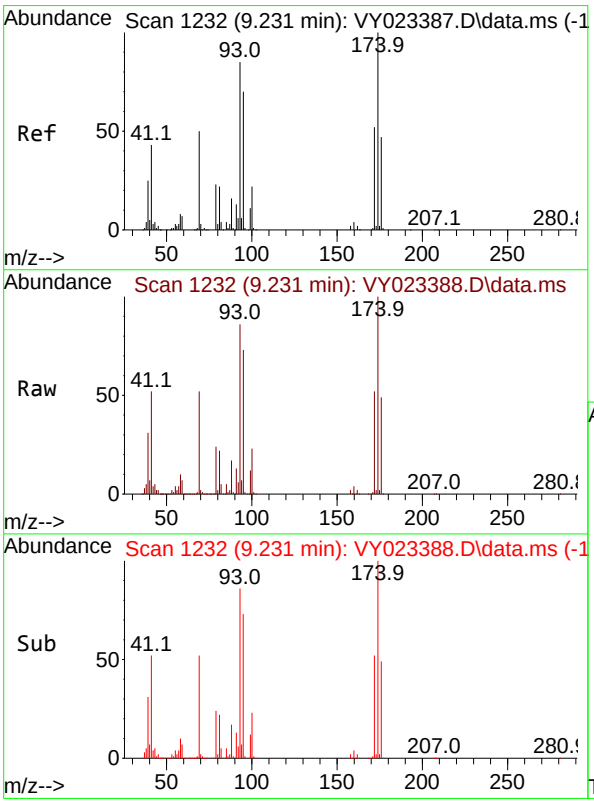
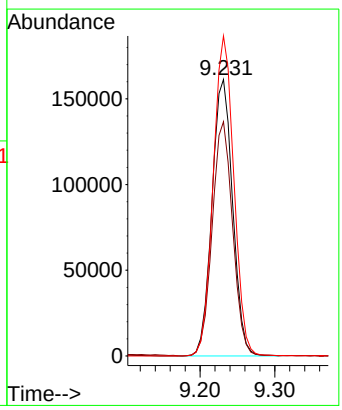
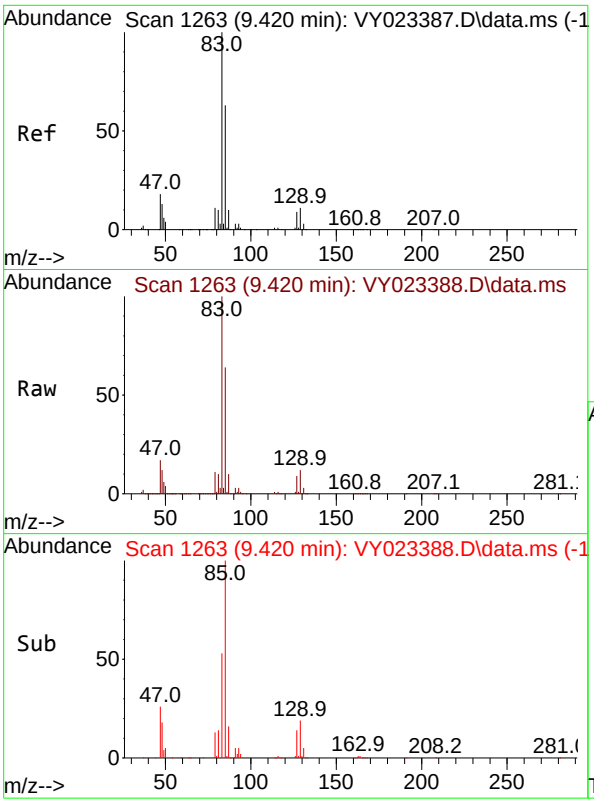


#46
Dibromomethane
Concen: 98.596 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 93 Resp: 309964

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.4	98.0
174	115.6	92.9	139.3

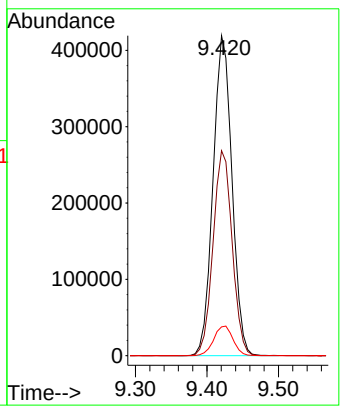




#47
Bromodichloromethane
Concen: 97.210 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 83 Resp: 76923

Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.8	76.2
127	9.0	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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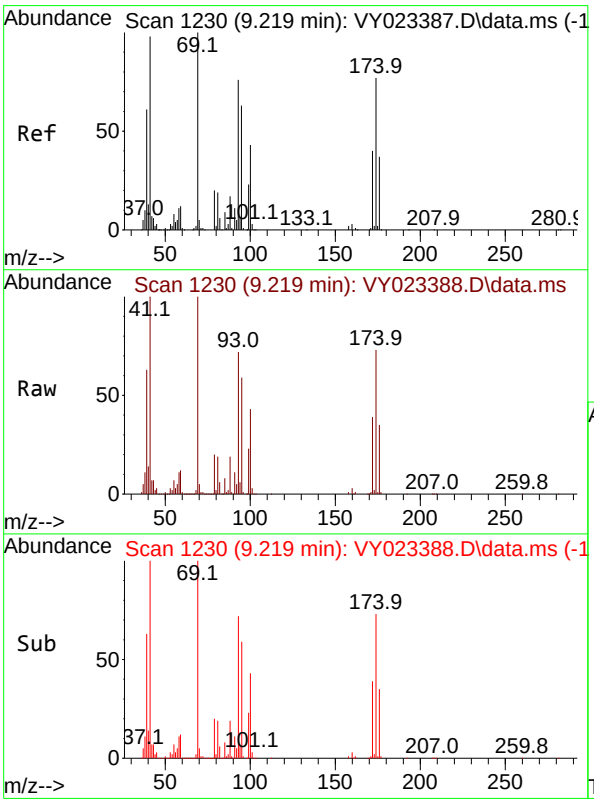
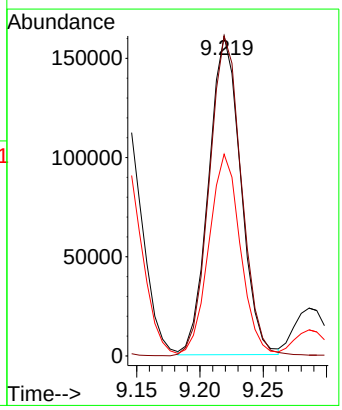
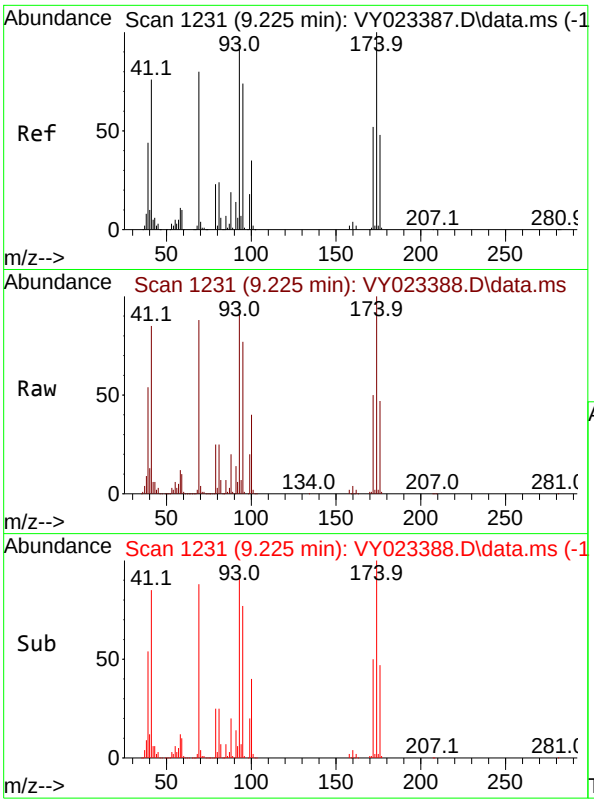


#48
Methyl methacrylate
Concen: 107.476 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 41 Resp: 282582

Ion	Ratio	Lower	Upper
41	100		
69	100.8	81.0	121.4
39	60.9	48.2	72.4





#49
1,4-Dioxane
Concen: 2374.722 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 88 Resp: 7730

Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.8	32.8
58	58.0	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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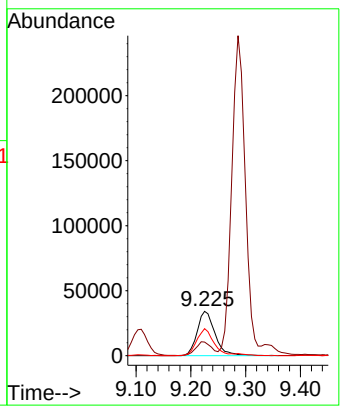
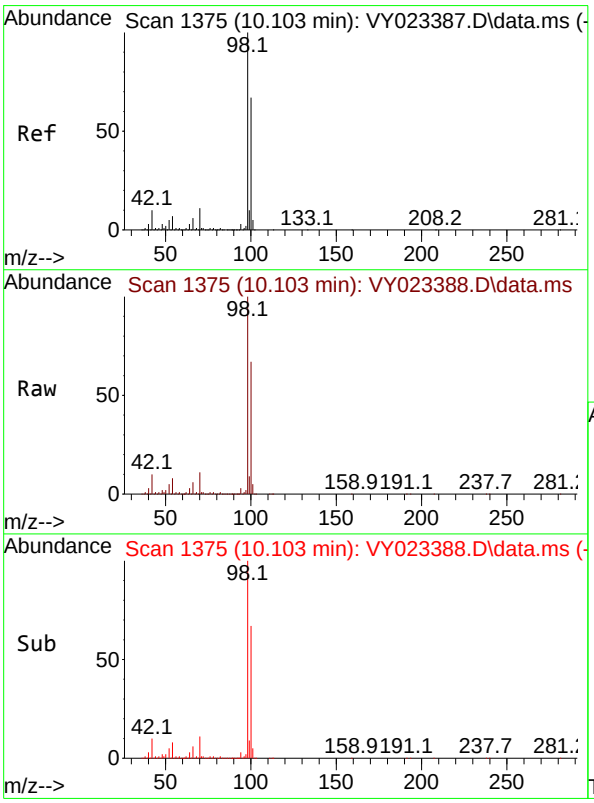
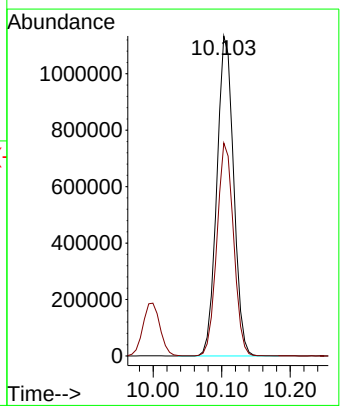


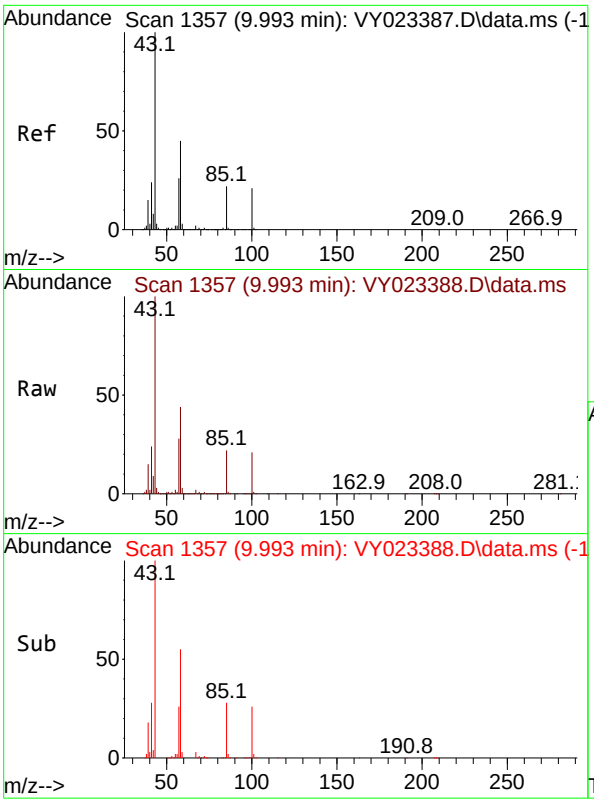


#50
Toluene-d8
Concen: 98.031 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 98 Resp: 1919872

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 533.386 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 153932

Ion	Ratio	Lower	Upper
43	100		
58	44.0	35.3	52.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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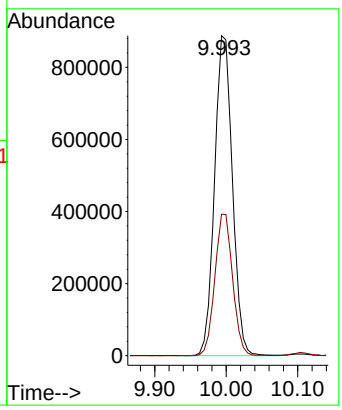
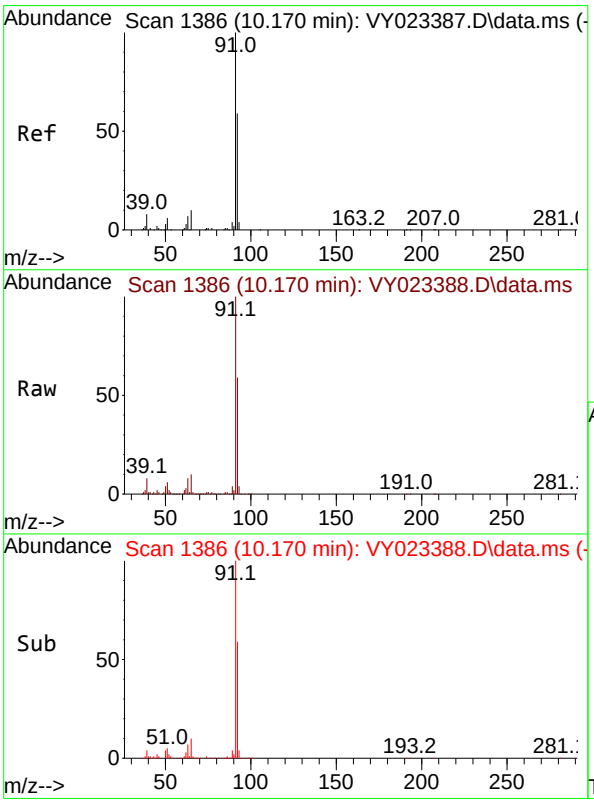
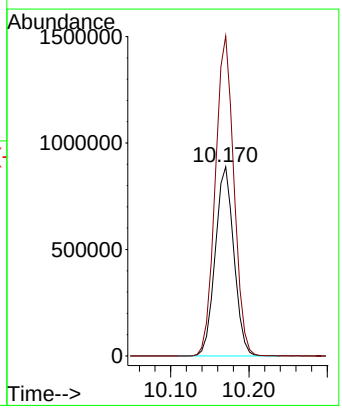


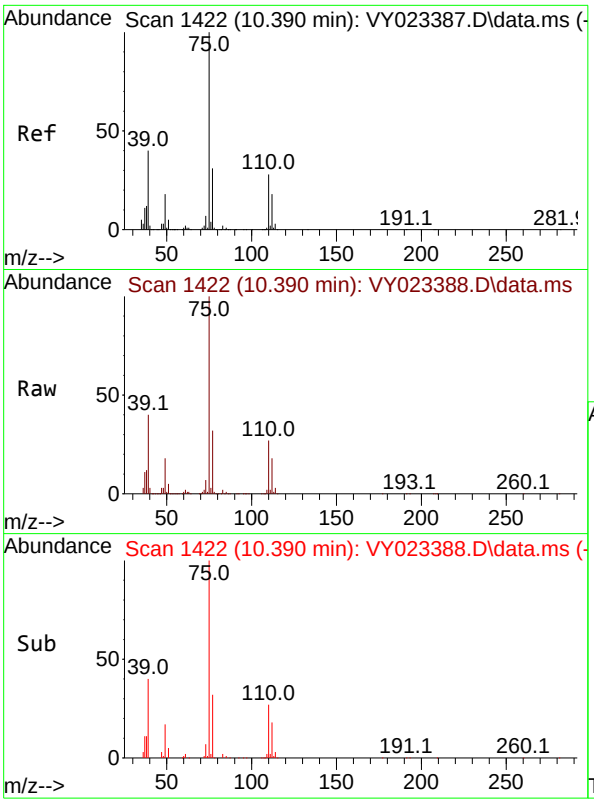


#52
Toluene
Concen: 100.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 92 Resp: 1462927

Ion	Ratio	Lower	Upper
92	100		
91	169.6	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 104.537 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 71047

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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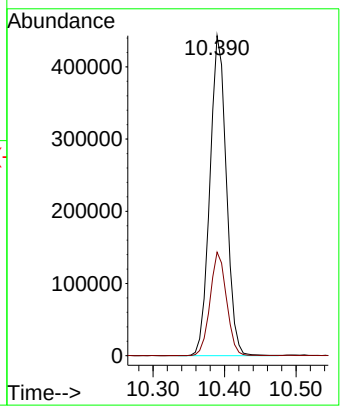
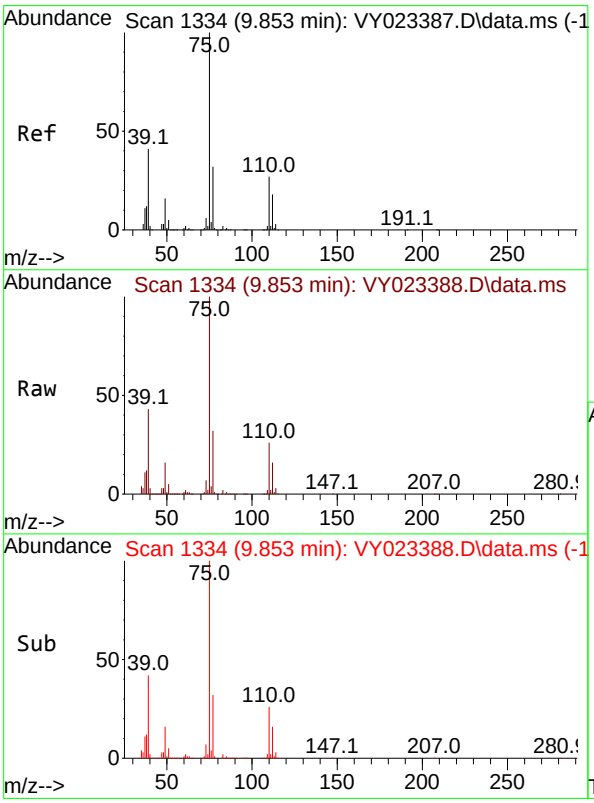
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

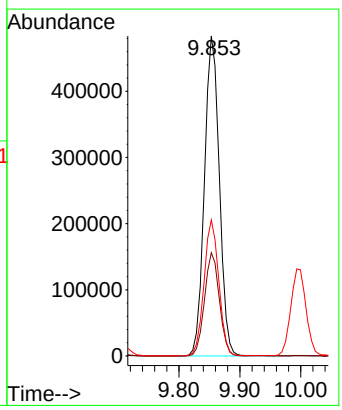


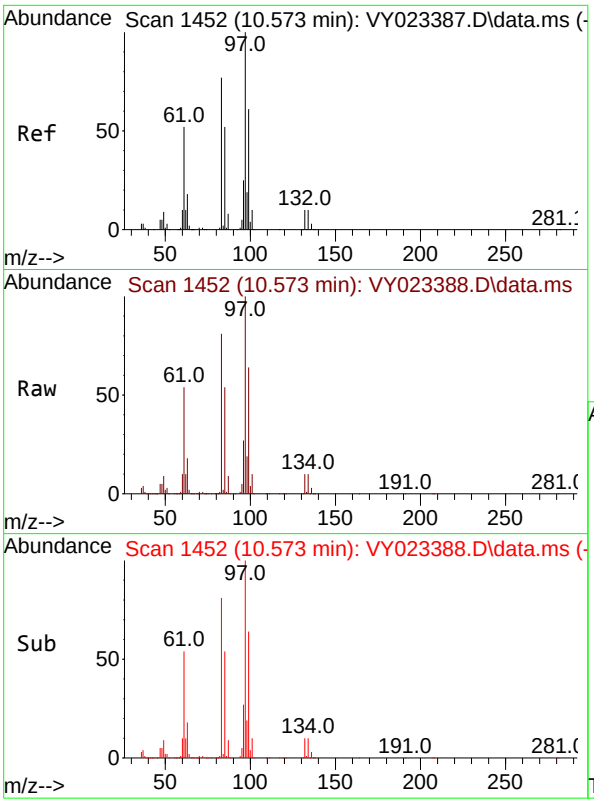


#54
cis-1,3-Dichloropropene
Concen: 101.302 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 822967

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	42.5	32.8	49.2

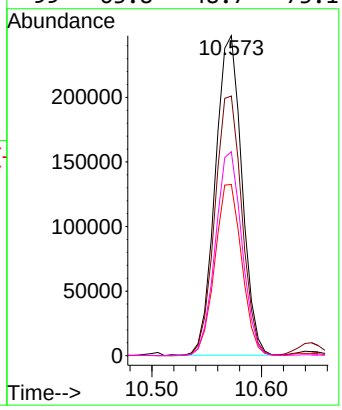




#55
1,1,2-Trichloroethane
Concen: 99.875 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 97 Resp: 41762

Ion	Ratio	Lower	Upper
97	100		
83	81.3	61.8	92.6
85	53.6	41.3	61.9
99	63.8	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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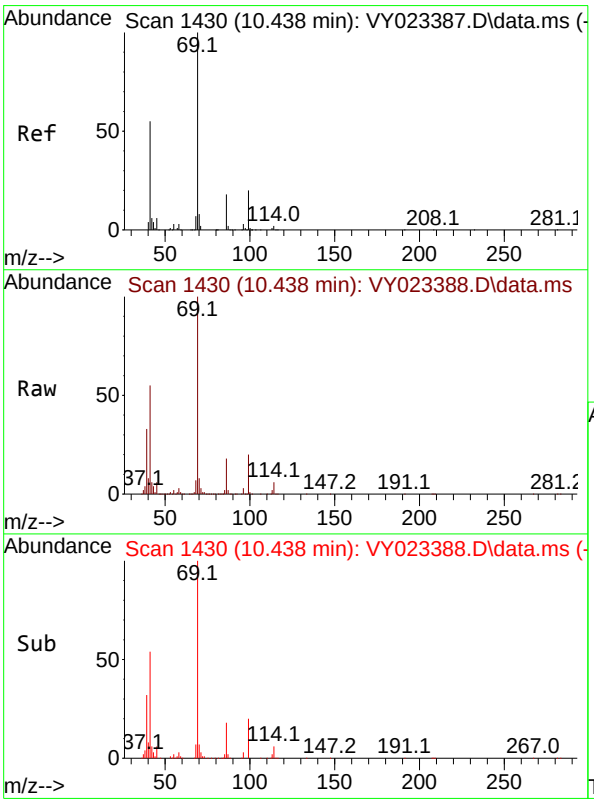
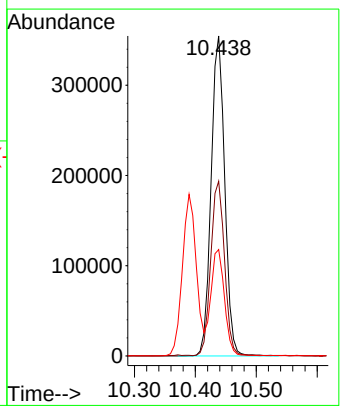
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

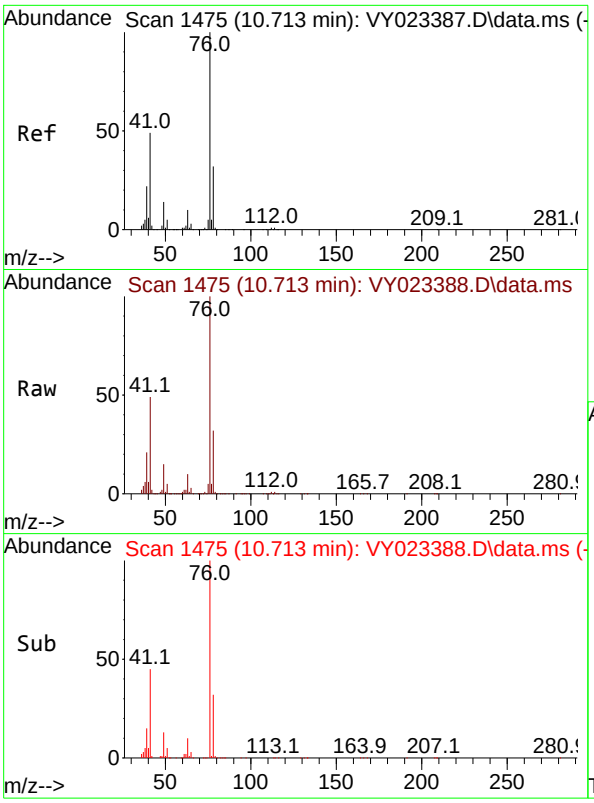


#56
Ethyl methacrylate
Concen: 114.077 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 69 Resp: 549366

Ion	Ratio	Lower	Upper
69	100		
41	55.1	44.6	67.0
39	33.3	27.0	40.4

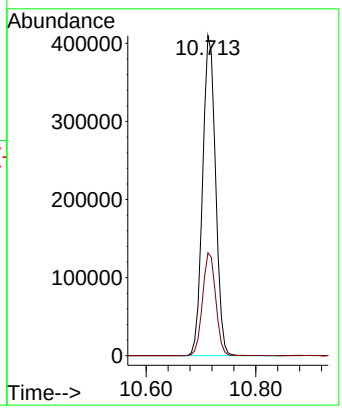




#57
1,3-Dichloropropane
Concen: 99.140 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 76 Resp: 67096

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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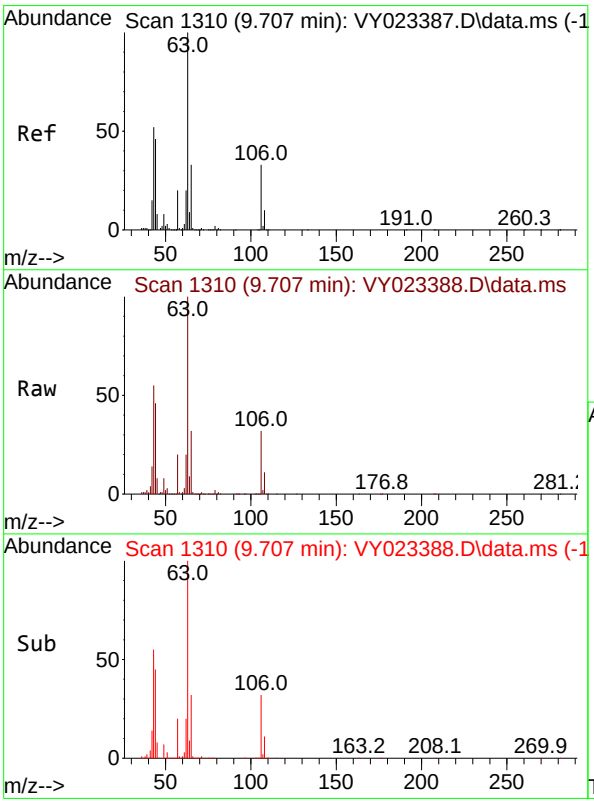
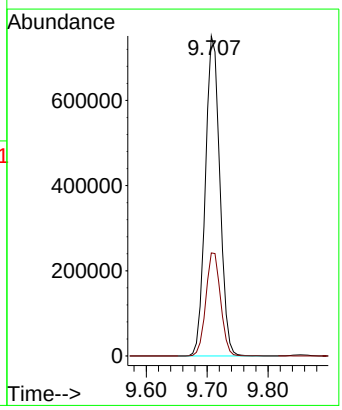
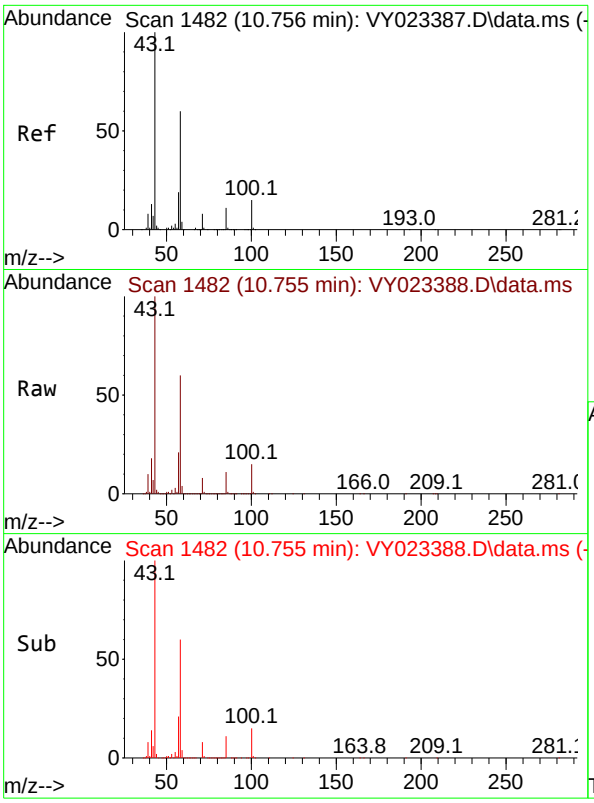


#58
2-Chloroethyl Vinyl ether
Concen: 588.731 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 63 Resp: 1240361

Ion	Ratio	Lower	Upper
63	100		
106	32.8	26.6	39.8





#59
2-Hexanone
Concen: 541.284 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 108156

Ion	Ratio	Lower	Upper
43	100		
58	61.5	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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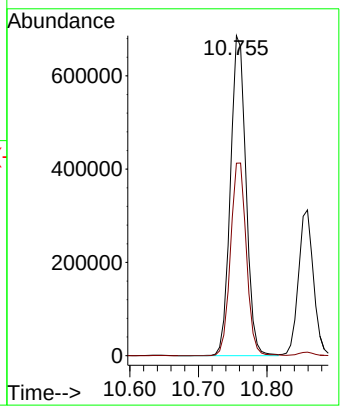
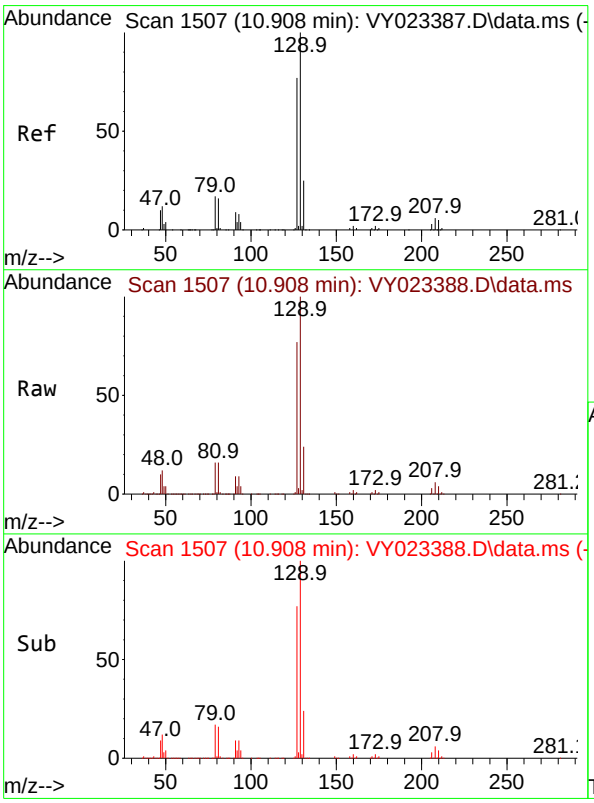
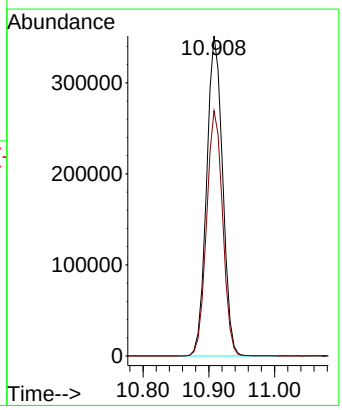


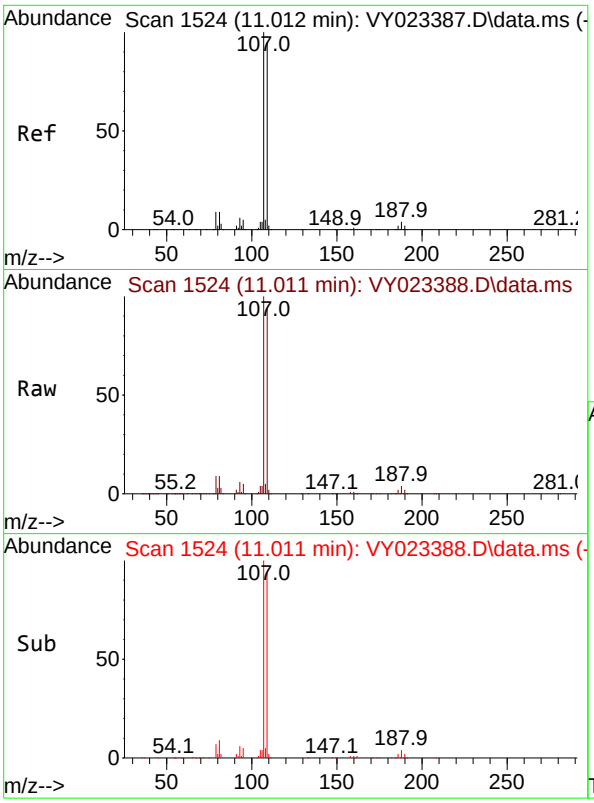


#60
Dibromochloromethane
Concen: 104.133 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:129 Resp: 593878

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.7

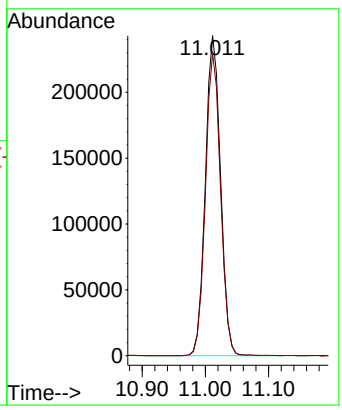




#61
1,2-Dibromoethane
Concen: 103.280 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:107 Resp: 40629

Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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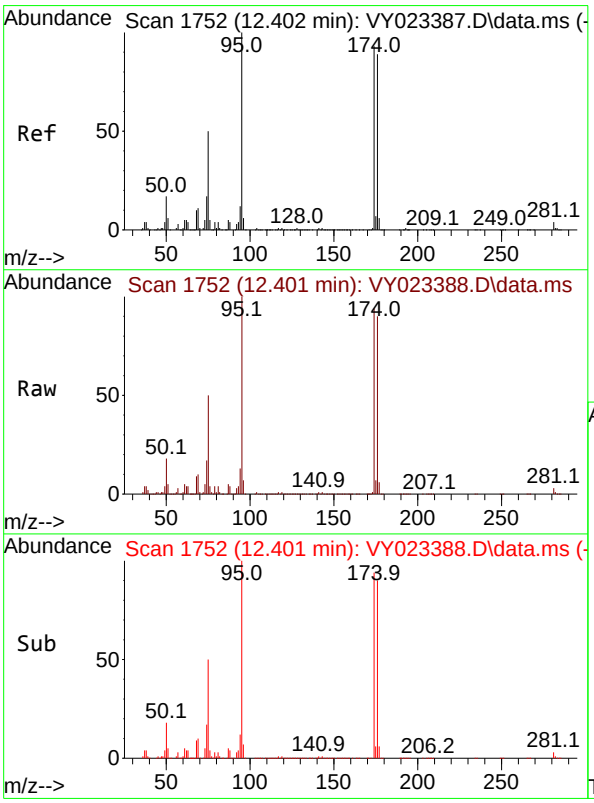
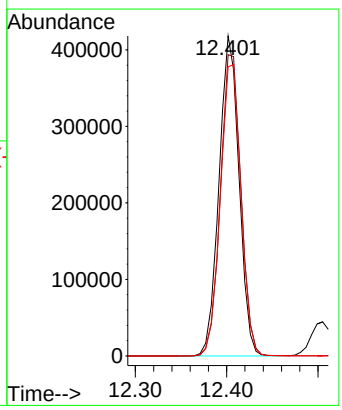
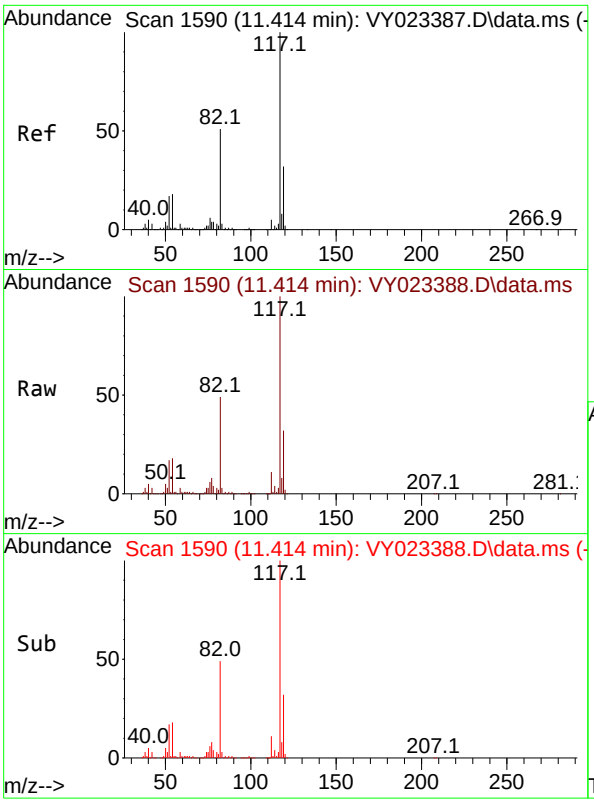


#62
4-Bromofluorobenzene
Concen: 103.007 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 95 Resp: 636435

Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	192.8
176	94.1	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:117 Resp: 76436

Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.0	61.4
119	32.2	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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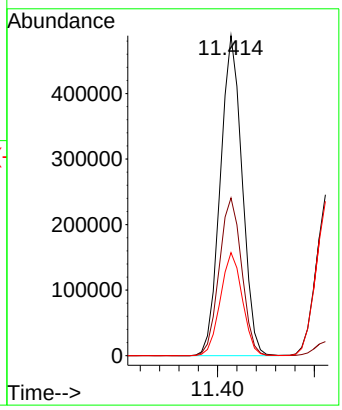
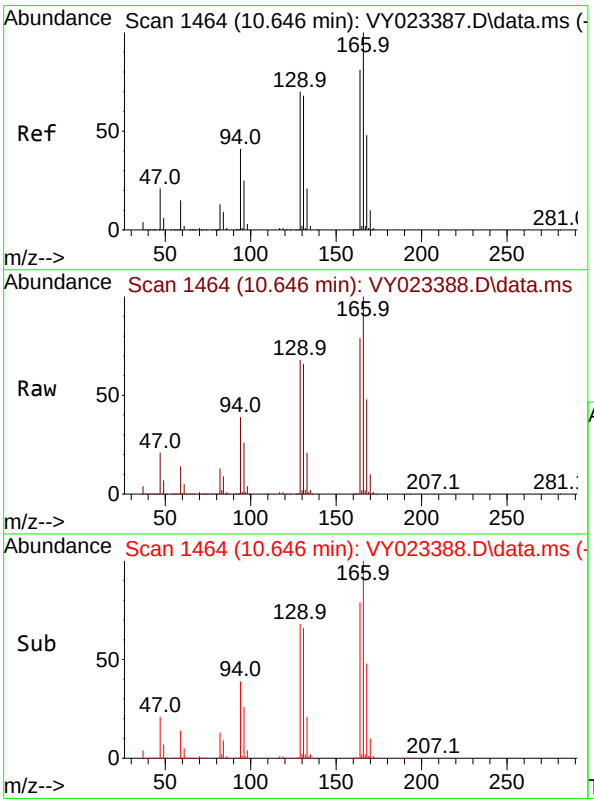
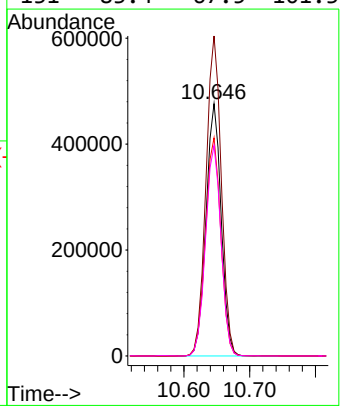


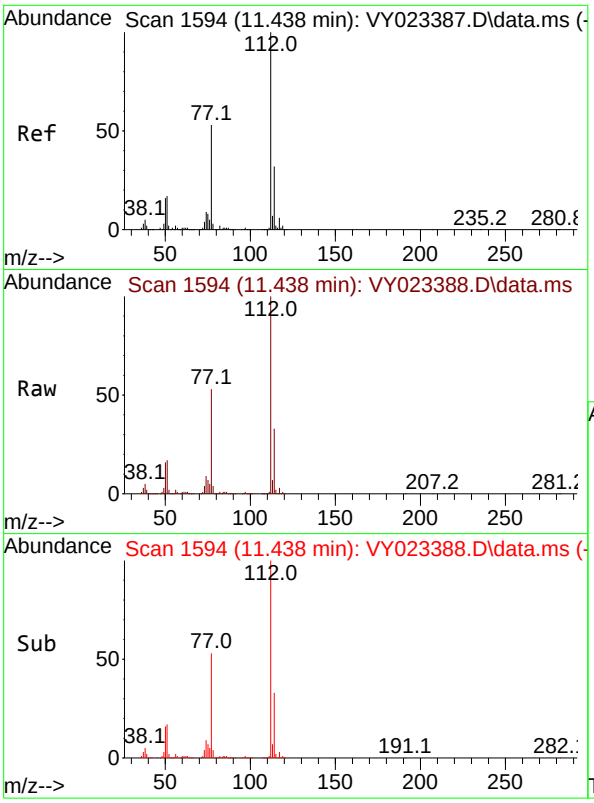


#64
Tetrachloroethene
Concen: 100.406 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:164 Resp: 767753

Ion	Ratio	Lower	Upper
164	100		
166	126.9	99.4	149.0
129	86.5	69.4	104.2
131	83.4	67.5	101.3

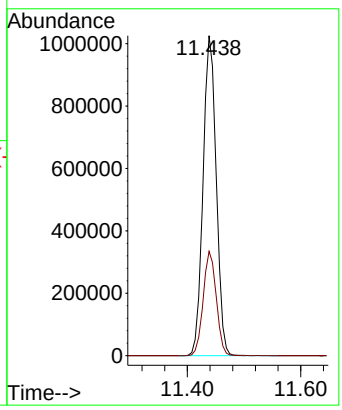




#65
Chlorobenzene
Concen: 99.649 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:112 Resp: 165514

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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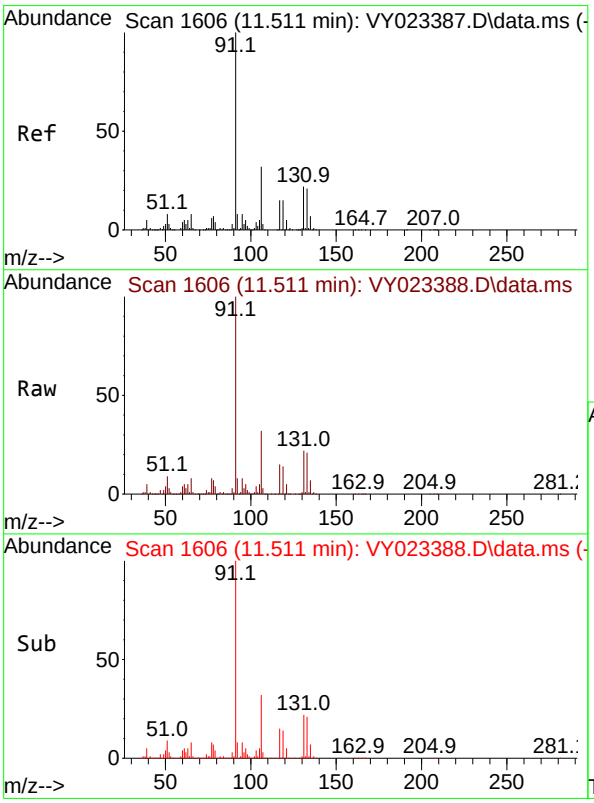
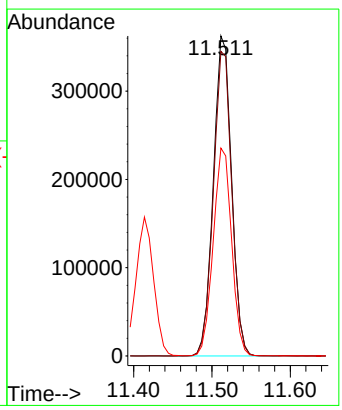
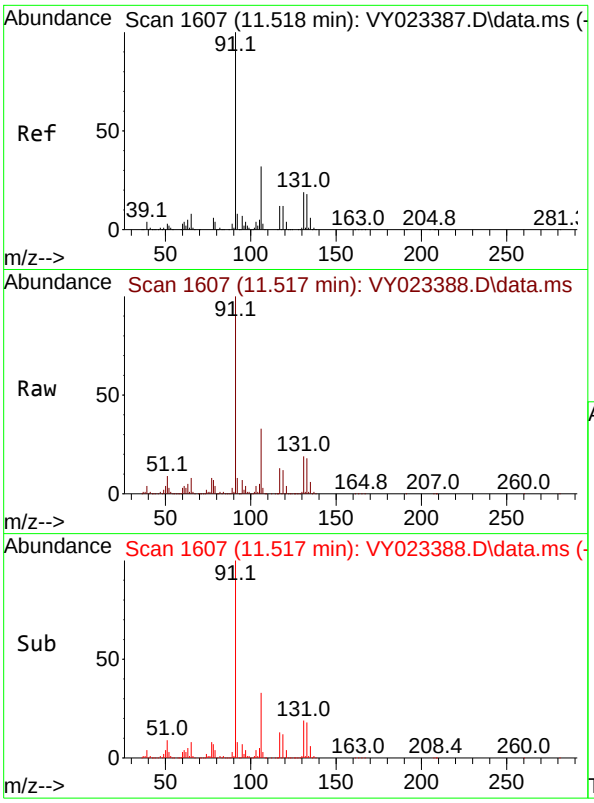


#66
1,1,1,2-Tetrachloroethane
Concen: 100.470 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:131 Resp: 586878

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.4	145.2
119	65.7	32.4	97.2

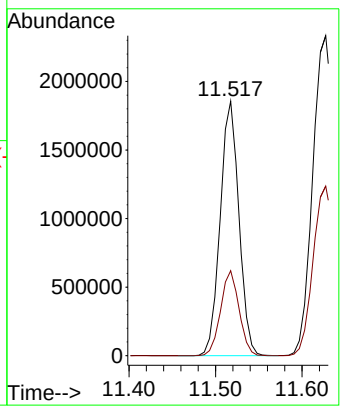




#67
Ethyl Benzene
Concen: 102.856 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 278825

Ion	Ratio	Lower	Upper
91	100		
106	33.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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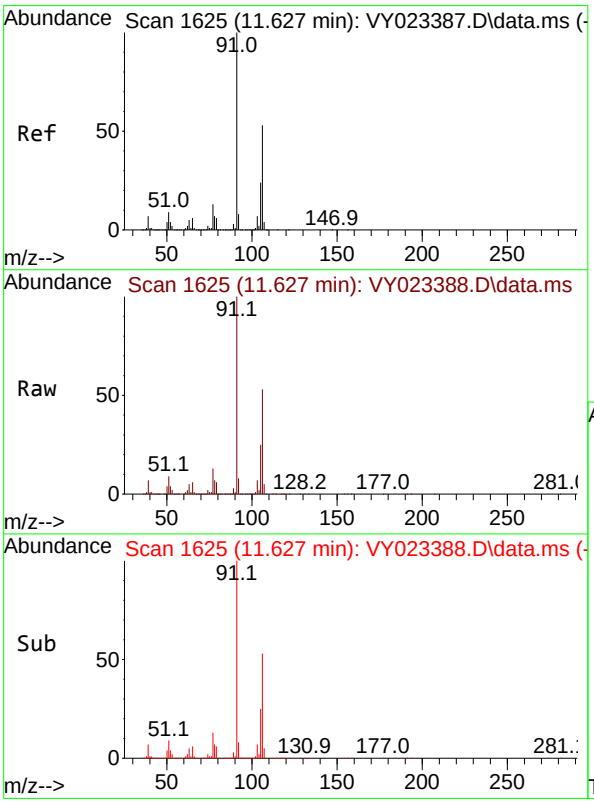
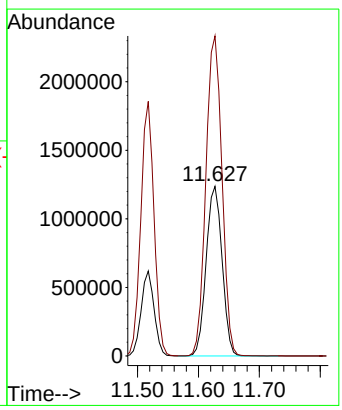
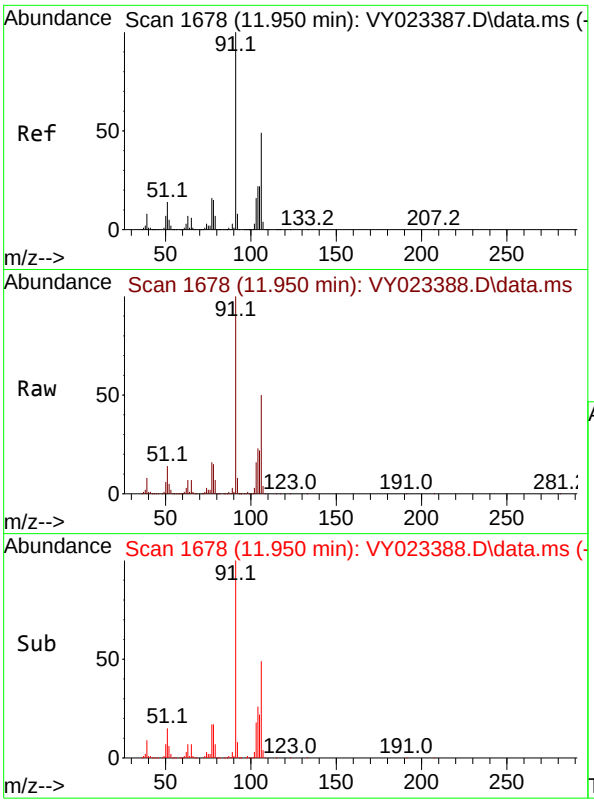


#68
m/p-Xylenes
Concen: 206.437 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:106 Resp: 2243033

Ion	Ratio	Lower	Upper
106	100		
91	190.5	152.6	229.0

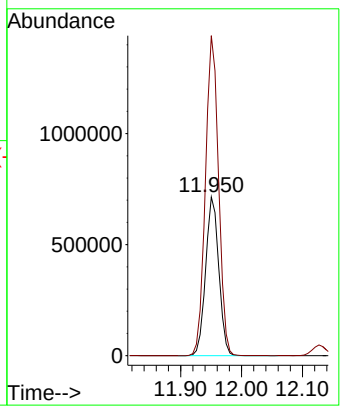




#69
o-Xylene
Concen: 106.611 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:106 Resp: 107233

Ion	Ratio	Lower	Upper
106	100		
91	201.8	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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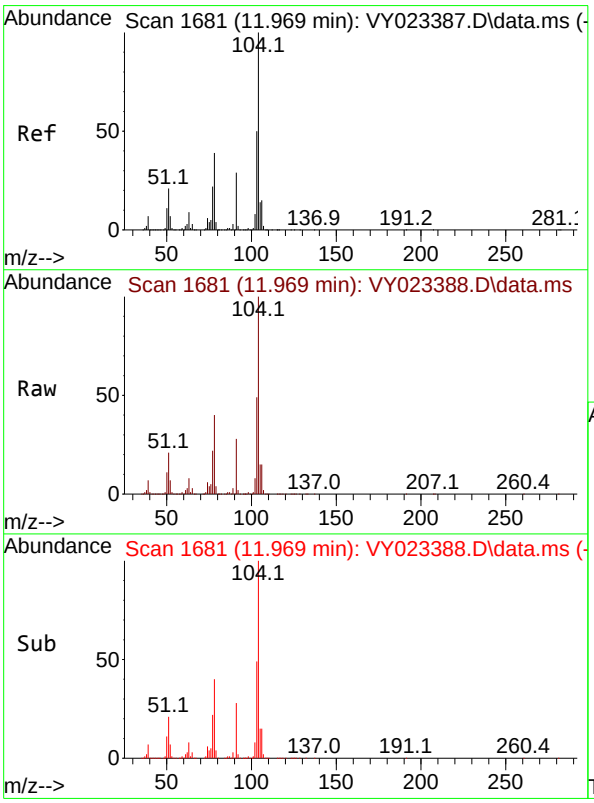
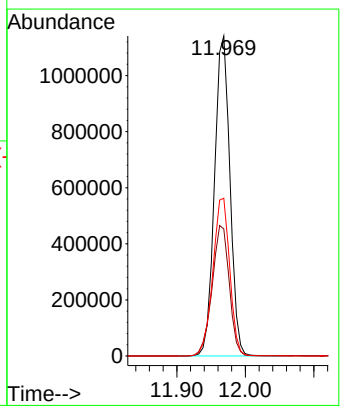
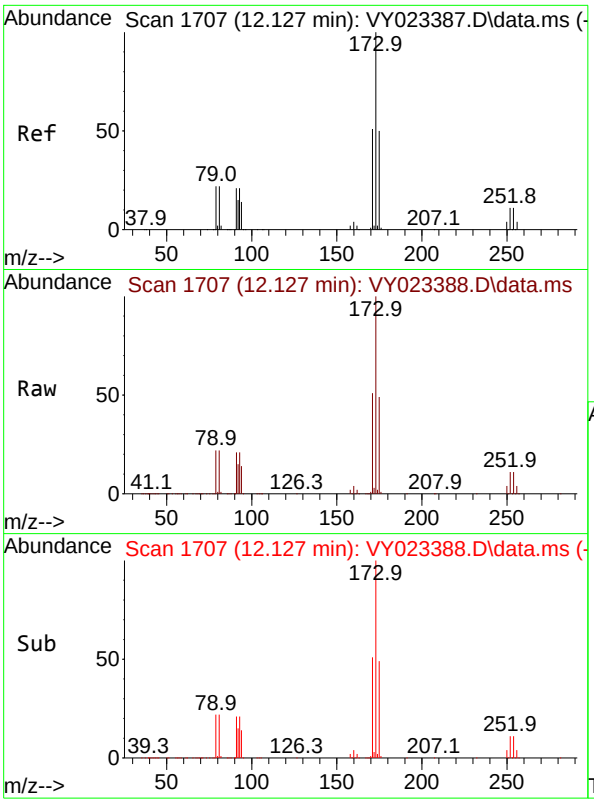


#70
Styrene
Concen: 107.344 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:104 Resp: 1782757

Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.1	54.1
103	53.9	43.2	64.8

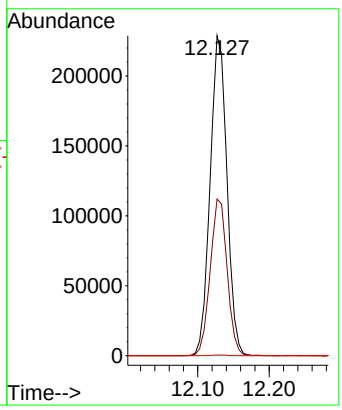




#71
Bromoform
Concen: 106.727 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:173 Resp: 37320

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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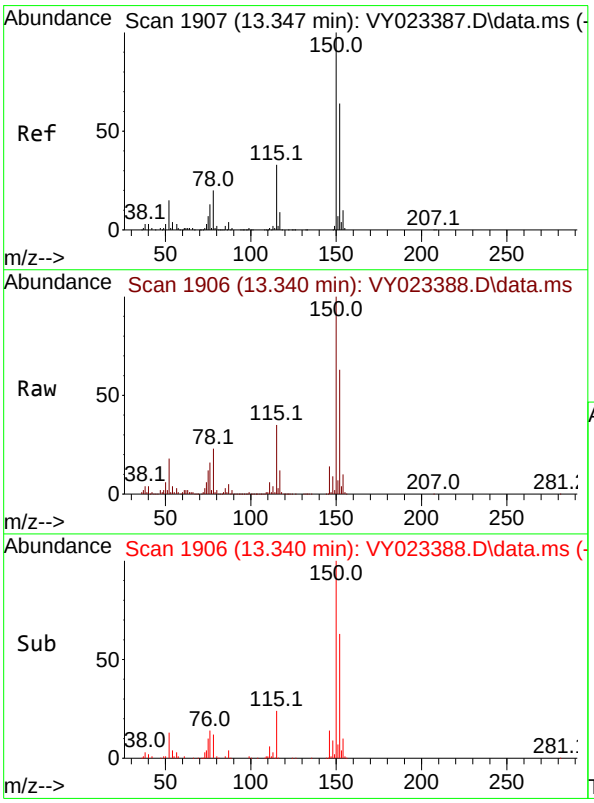
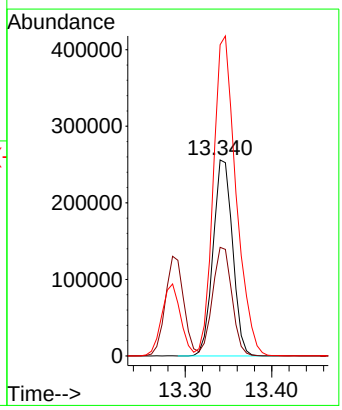
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

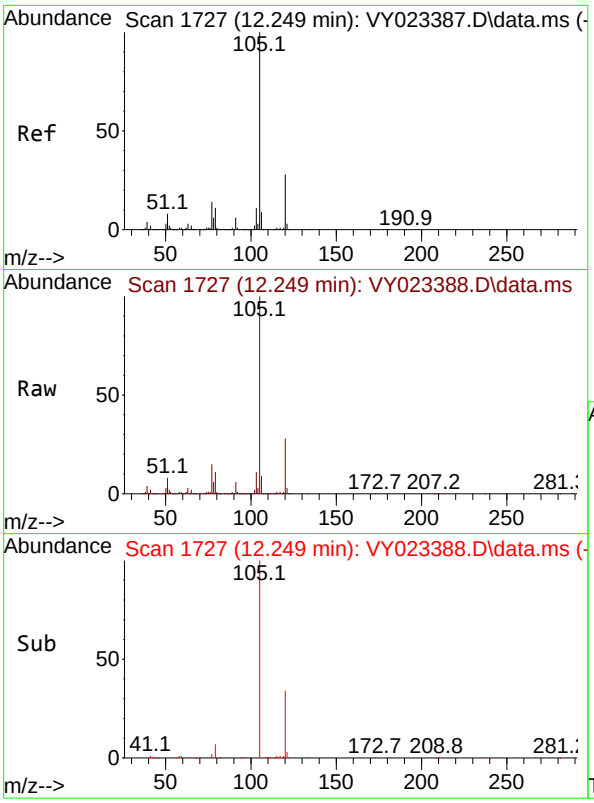


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:152 Resp: 400285

Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.1	81.2
150	190.0	0.0	347.4

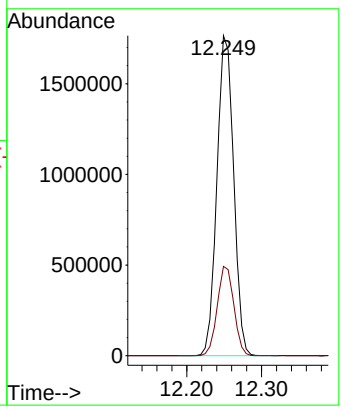




#73
Isopropylbenzene
Concen: 102.825 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:105 Resp: 274169

Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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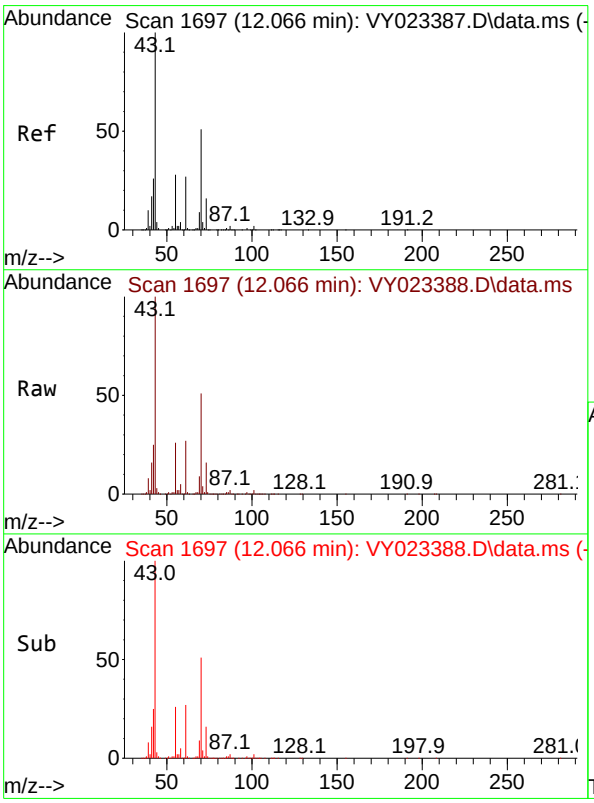
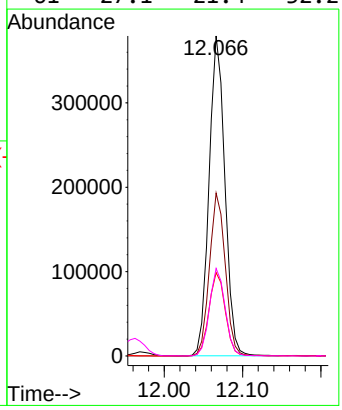
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

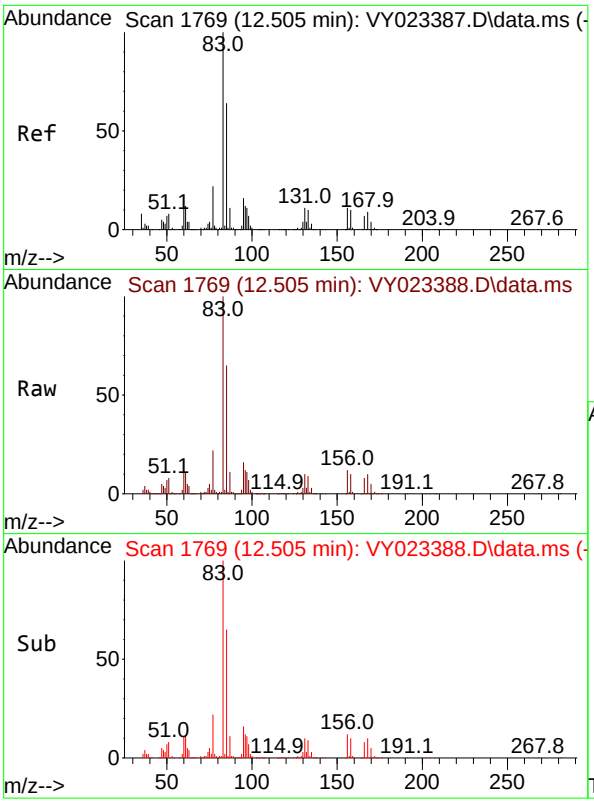


#74
N-amyl acetate
Concen: 106.818 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 532255

Ion	Ratio	Lower	Upper
43	100		
70	51.0	41.1	61.7
55	26.8	23.0	34.6
61	27.1	21.4	32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 97.735 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 83 Resp: 43472

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.9	17.6
85	64.9	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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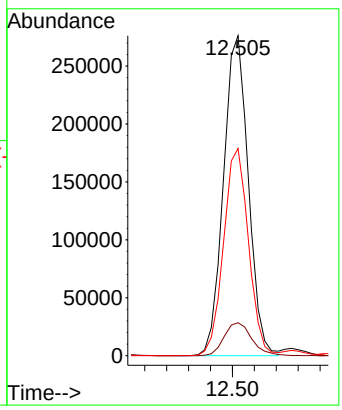
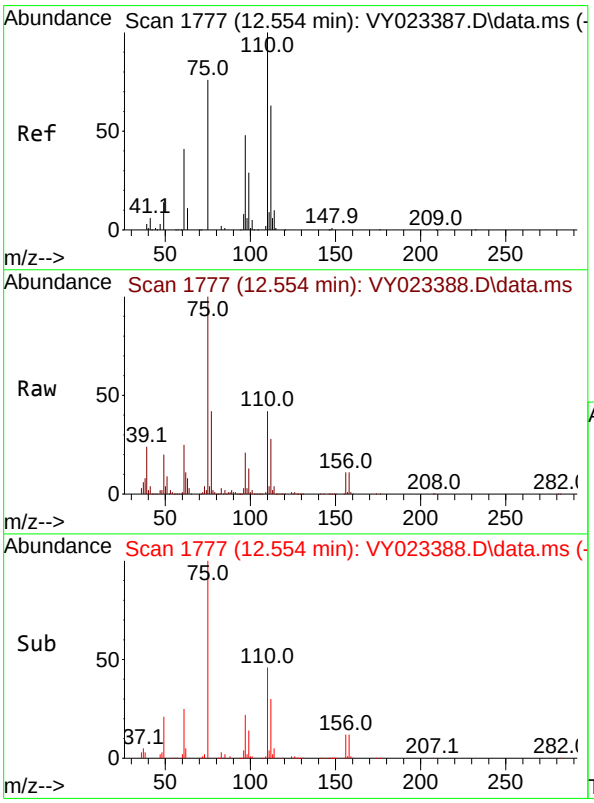
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

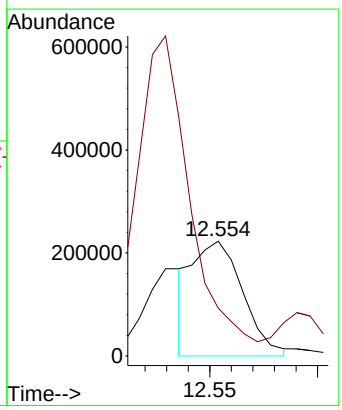


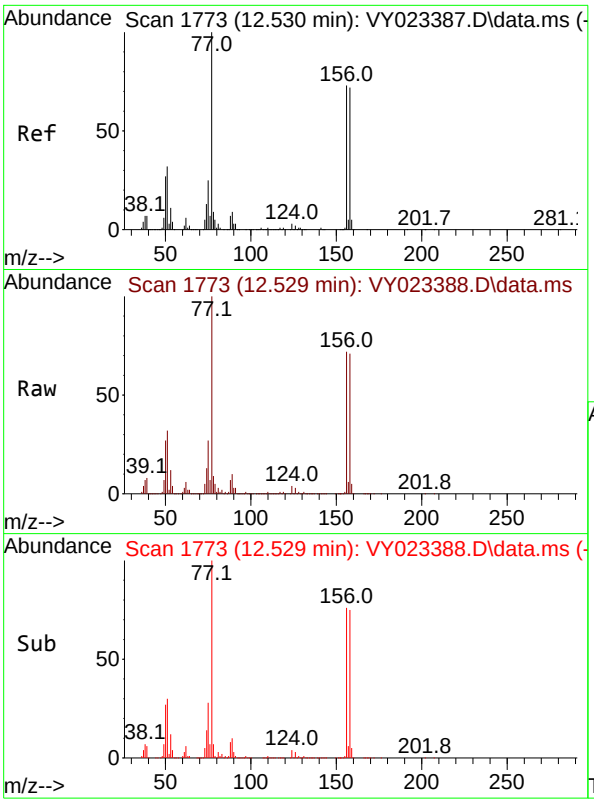


#76
1,2,3-Trichloropropane
Concen: 92.345 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 364622

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

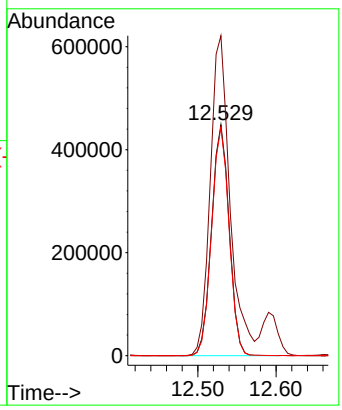




#77
Bromobenzene
Concen: 102.545 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:156 Resp: 70174

Ion	Ratio	Lower	Upper
156	100		
77	154.5	76.8	230.5
158	98.1	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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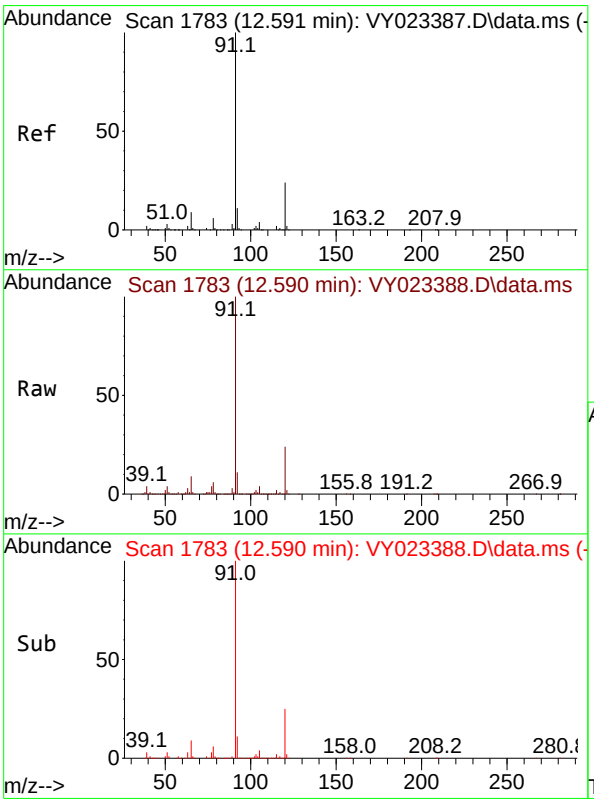
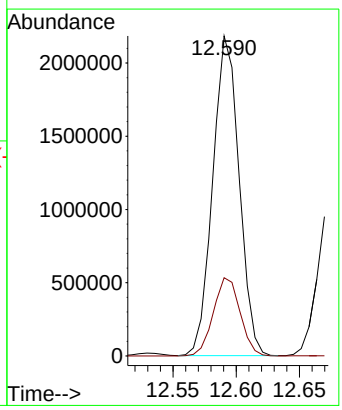
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

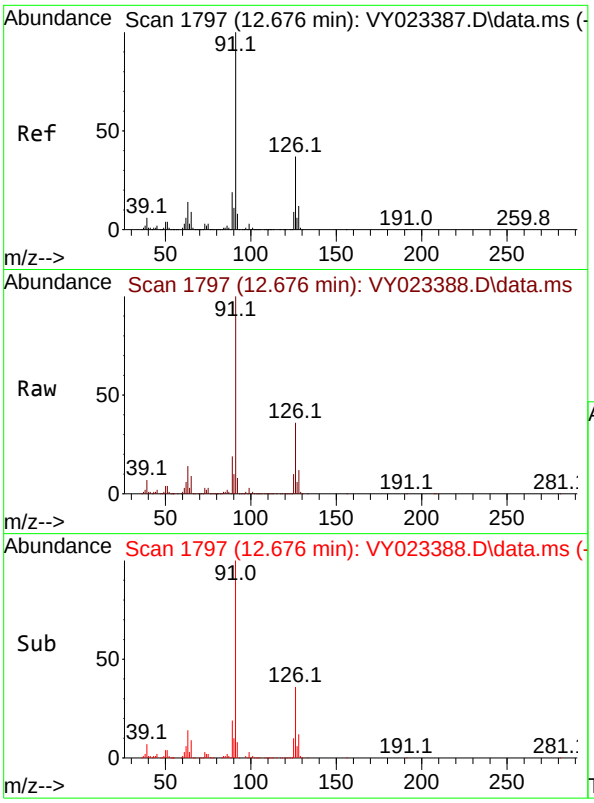


#78
n-propylbenzene
Concen: 100.958 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 3165894

Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.8





#79
2-Chlorotoluene
Concen: 99.426 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 180012

Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.5	55.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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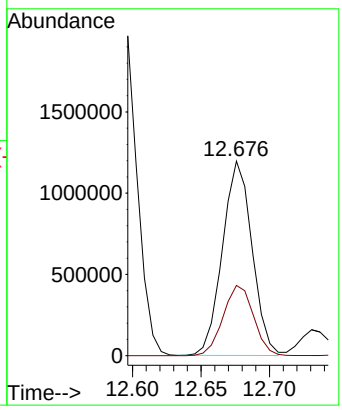
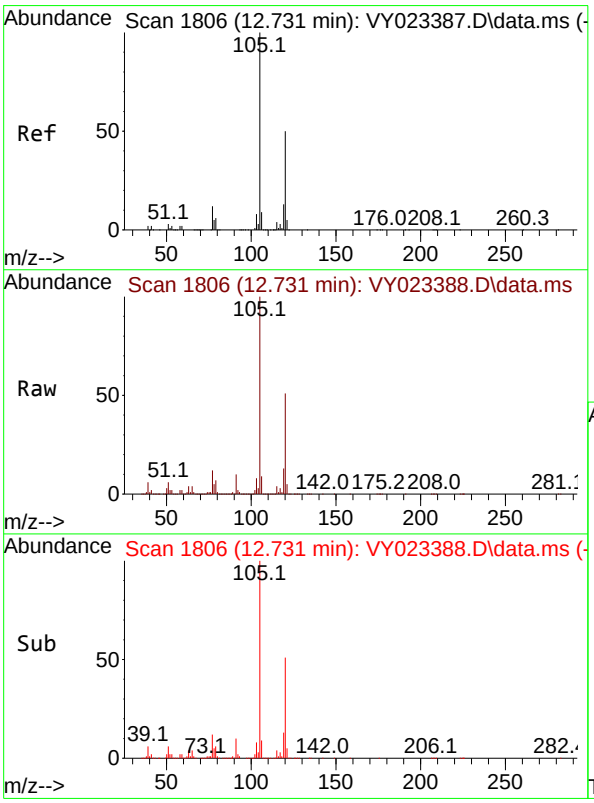
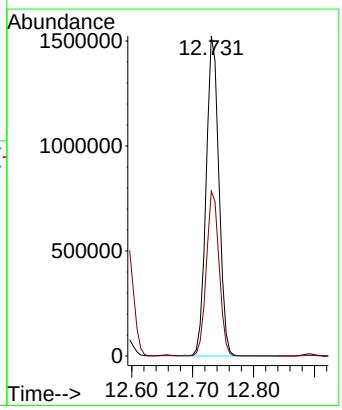


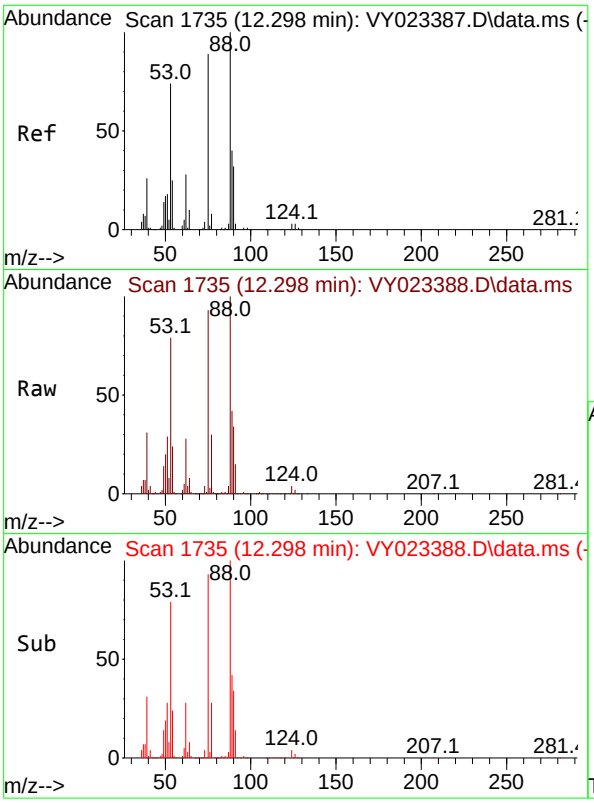


#80
1,3,5-Trimethylbenzene
Concen: 102.374 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:105 Resp: 2219080

Ion	Ratio	Lower	Upper
105	100		
120	51.6	25.4	76.4

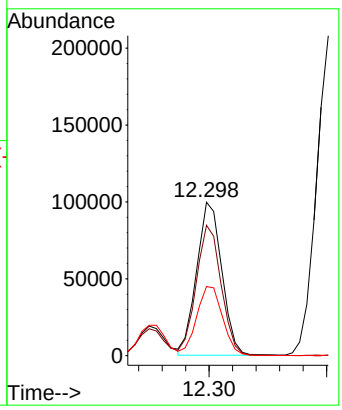




#81
trans-1,4-Dichloro-2-butene
Concen: 101.273 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 14830

Ion	Ratio	Lower	Upper
75	100		
53	84.5	68.6	102.8
89	46.6	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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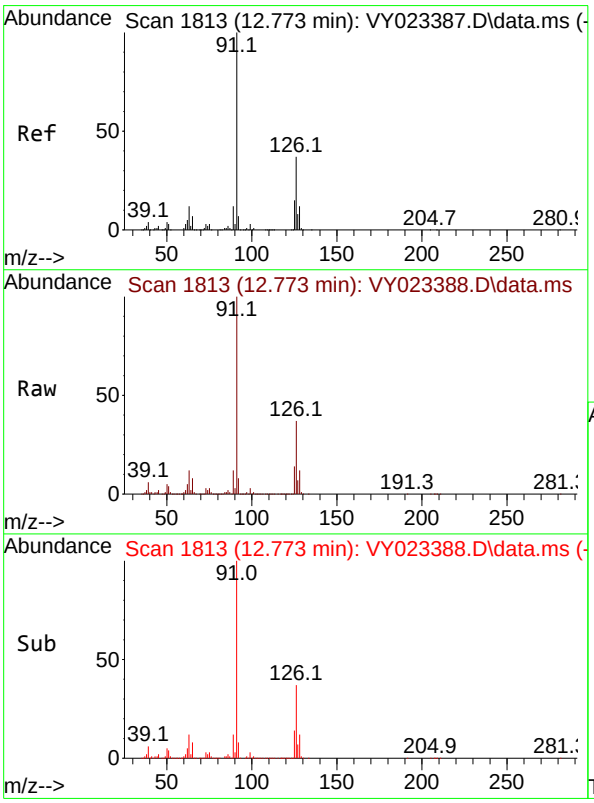
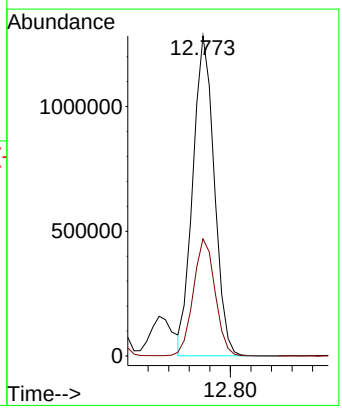
Supervised By :Mahesh Dadoda 10/10/2025

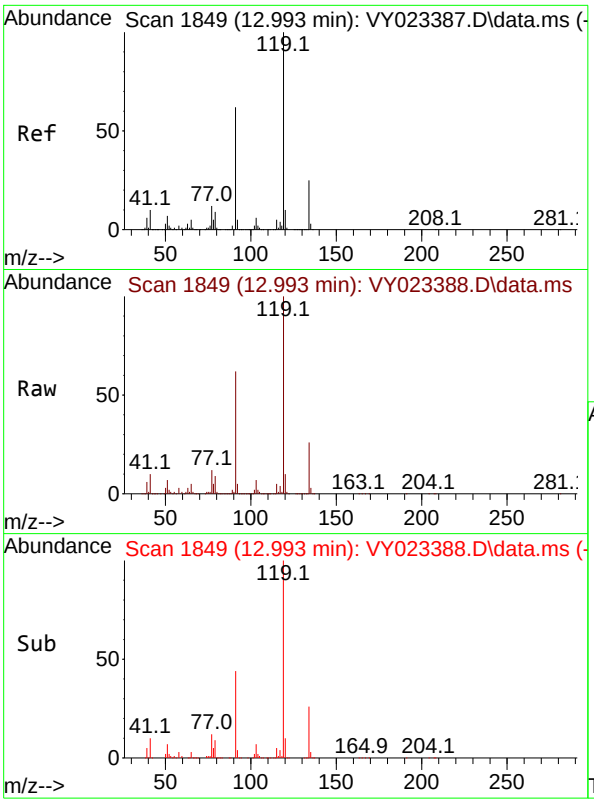


#82
4-Chlorotoluene
Concen: 98.060 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 1854165

Ion	Ratio	Lower	Upper
91	100		
126	37.4	18.4	55.4

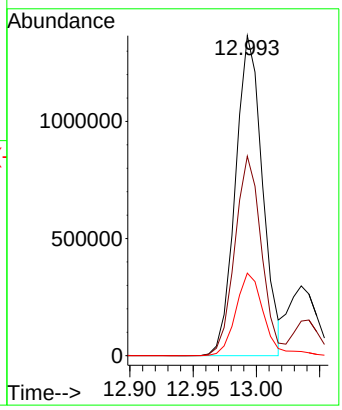




#83
tert-Butylbenzene
Concen: 102.684 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:119 Resp: 202819

Ion	Ratio	Lower	Upper
119	100		
91	61.9	29.9	89.8
134	26.9	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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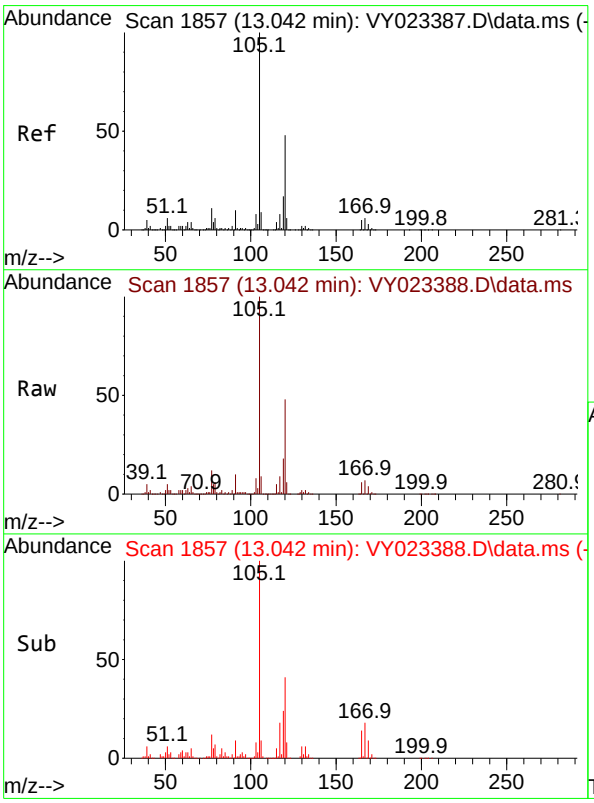
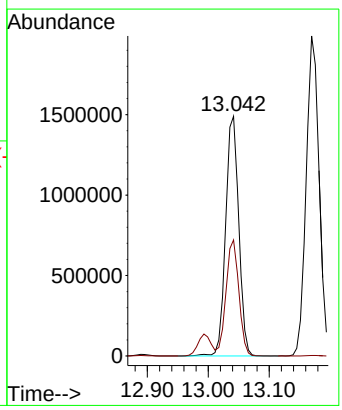
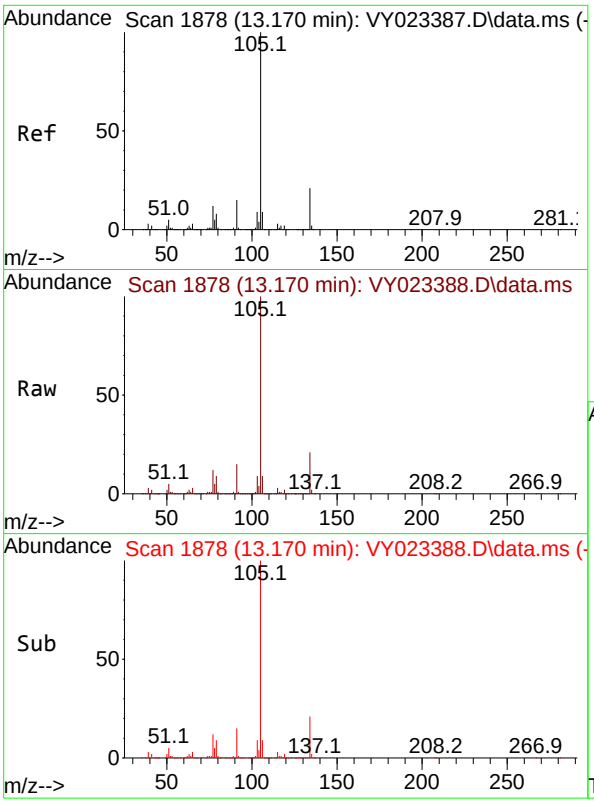


#84
1,2,4-Trimethylbenzene
Concen: 103.853 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:105 Resp: 2227197

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.2

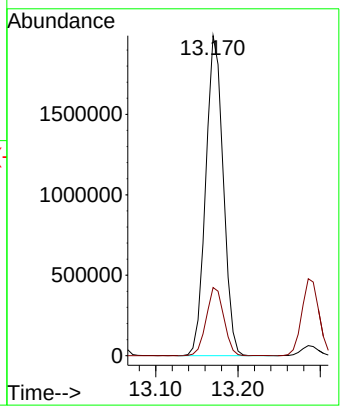




#85
sec-Butylbenzene
Concen: 102.530 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:105 Resp: 293294

Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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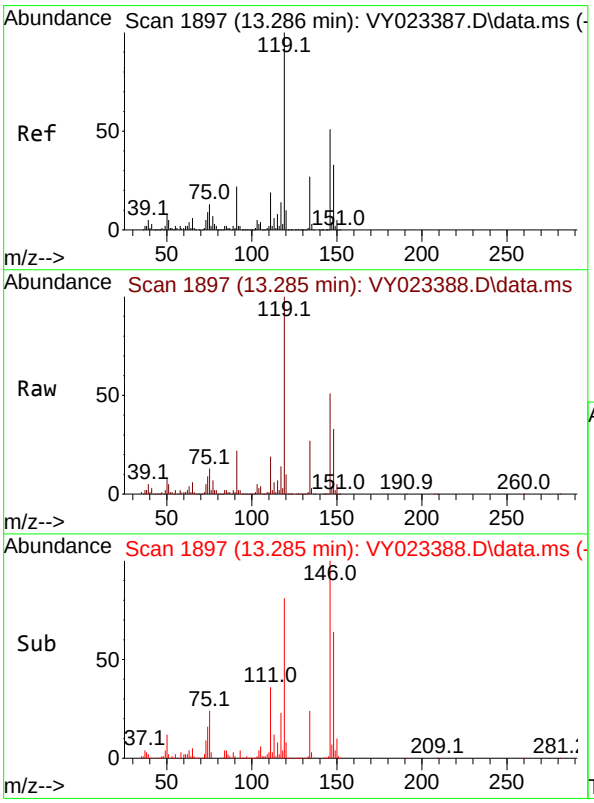
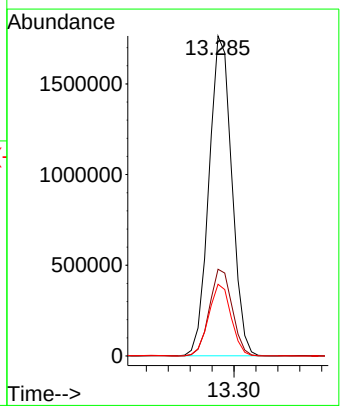
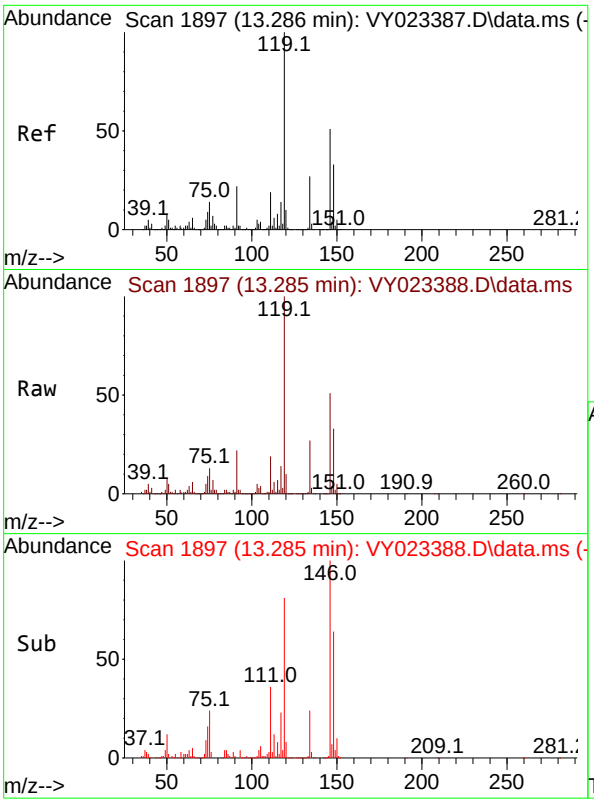


#86
p-Isopropyltoluene
Concen: 105.408 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:119 Resp: 2548220

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.1	10.9	32.9





#87
1,3-Dichlorobenzene
Concen: 100.735 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:146 Resp: 136171

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.1	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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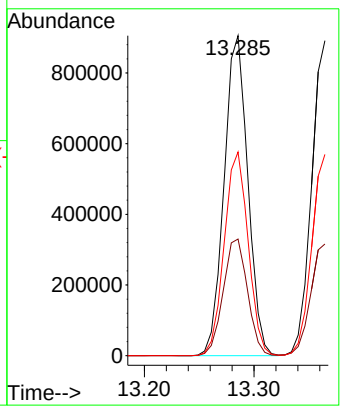
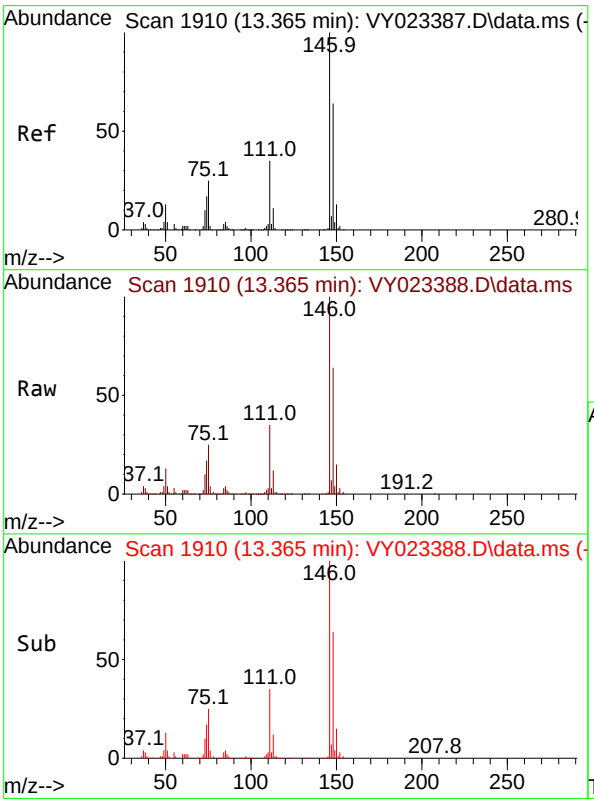
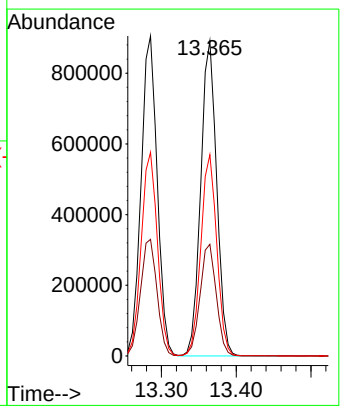


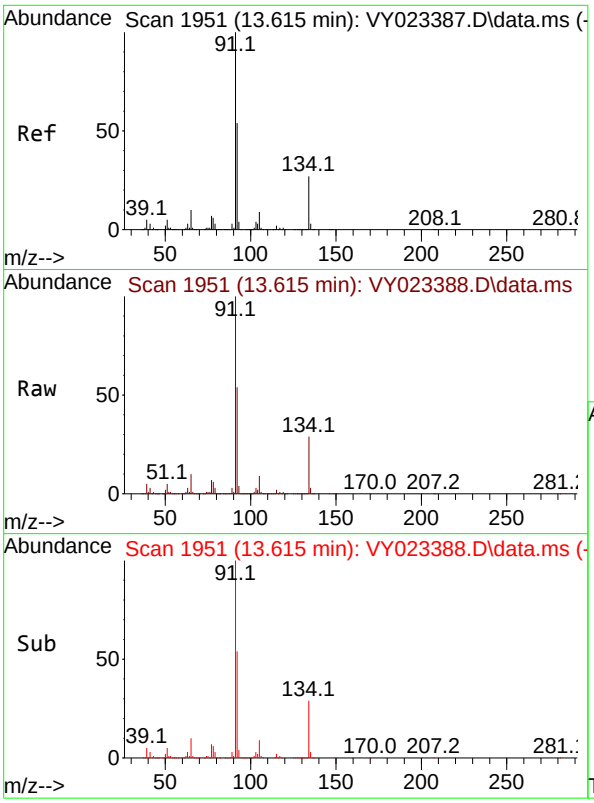


#88
1,4-Dichlorobenzene
Concen: 98.734 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:146 Resp: 1323618

Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	63.8	31.9	95.7

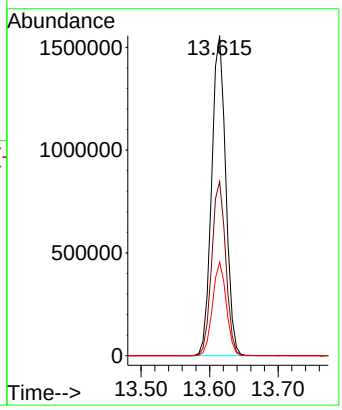




#89
n-Butylbenzene
Concen: 104.174 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 222374

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.0	80.8
134	28.6	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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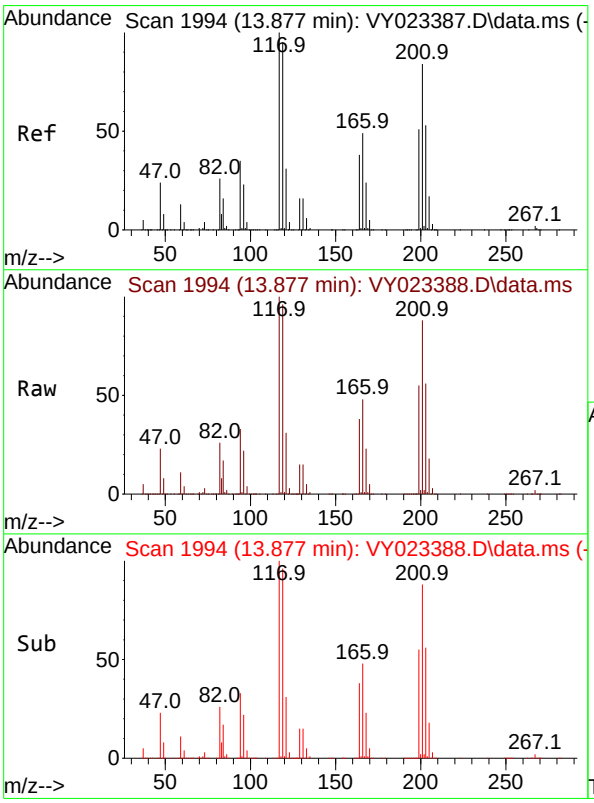
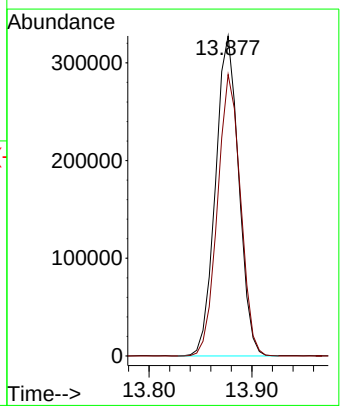
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

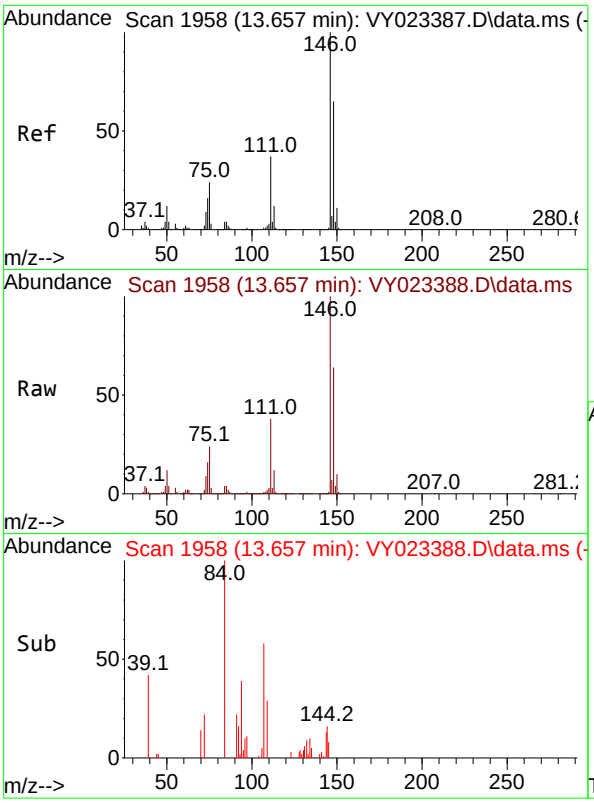


#90
Hexachloroethane
Concen: 98.069 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:117 Resp: 514746

Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.8	131.4

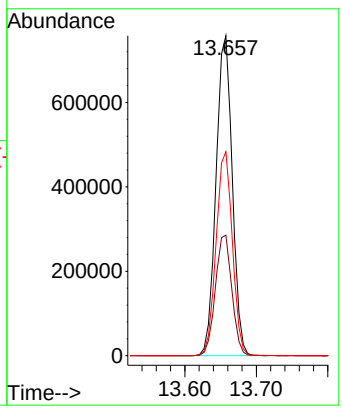




#91
1,2-Dichlorobenzene
Concen: 101.146 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:146 Resp: 119304

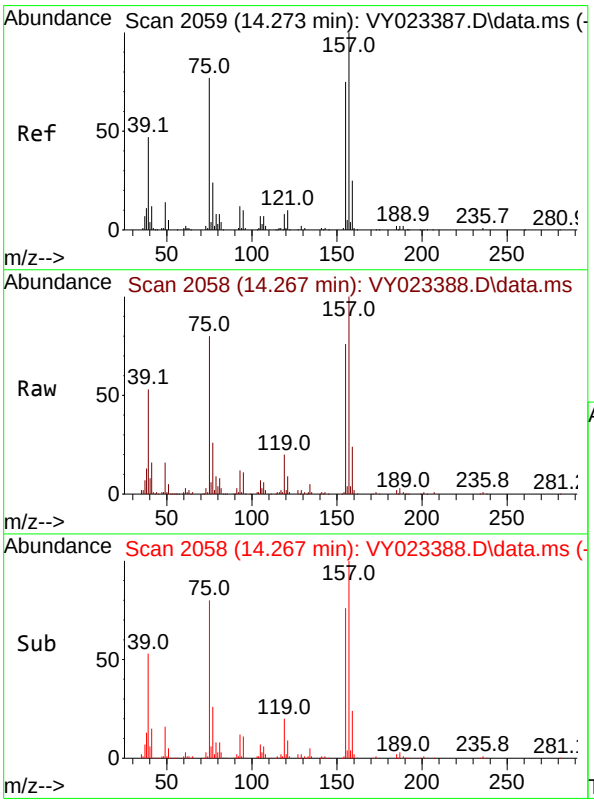
Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	64.1	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

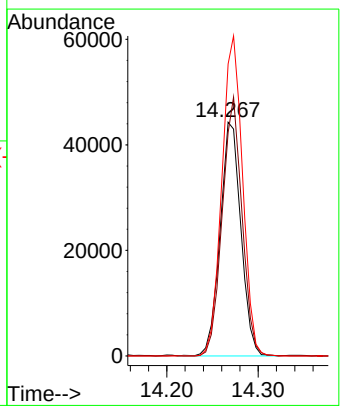
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

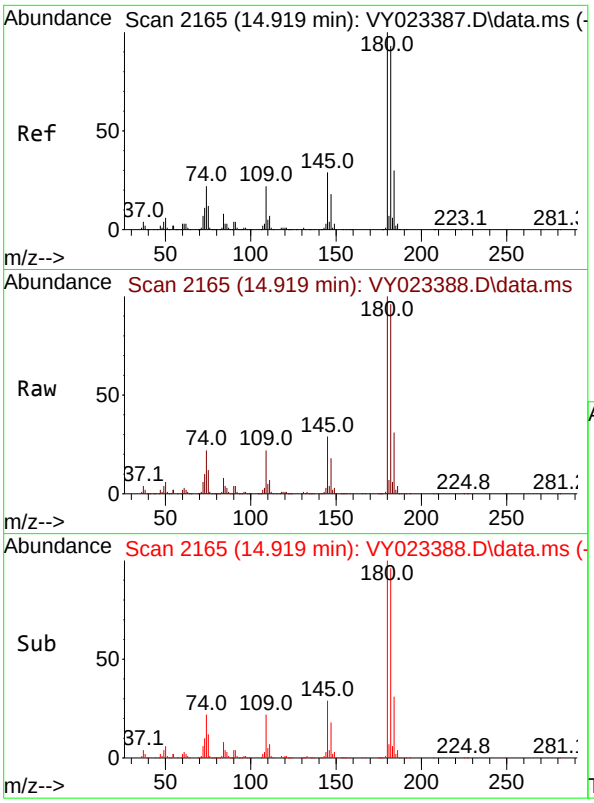


#92
1,2-Dibromo-3-Chloropropane
Concen: 99.458 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 70107

Ion	Ratio	Lower	Upper
75	100		
155	105.2	50.0	150.0
157	135.9	63.8	191.5

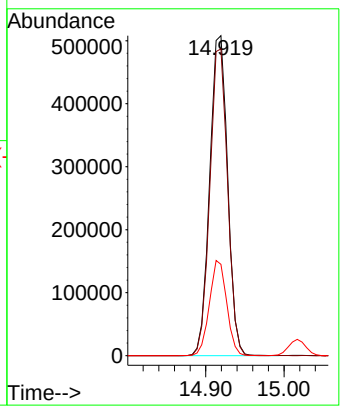




#93
1,2,4-Trichlorobenzene
Concen: 116.031 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:180 Resp: 80632

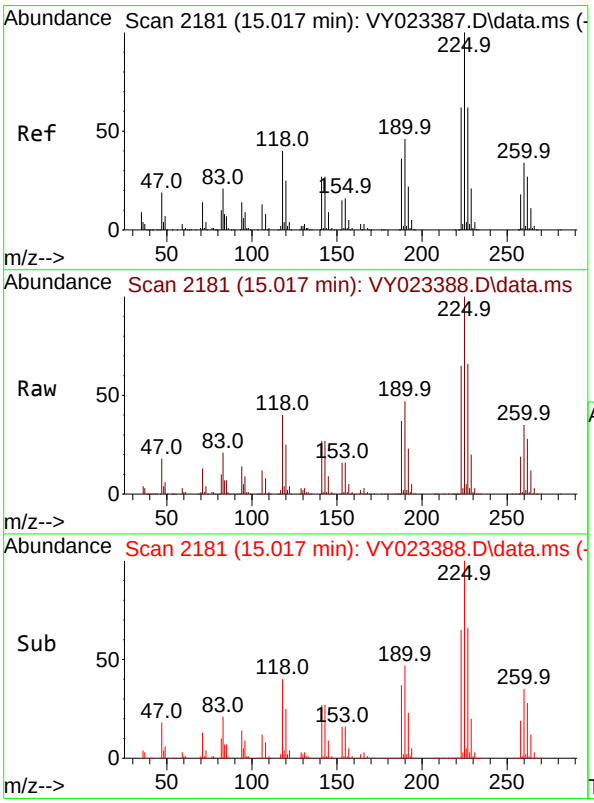
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	28.7	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

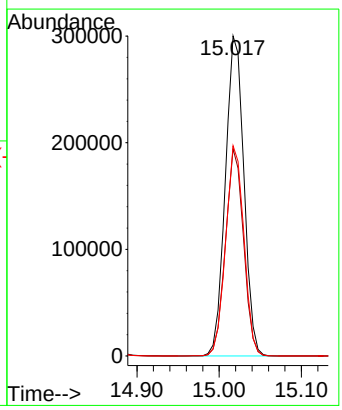
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

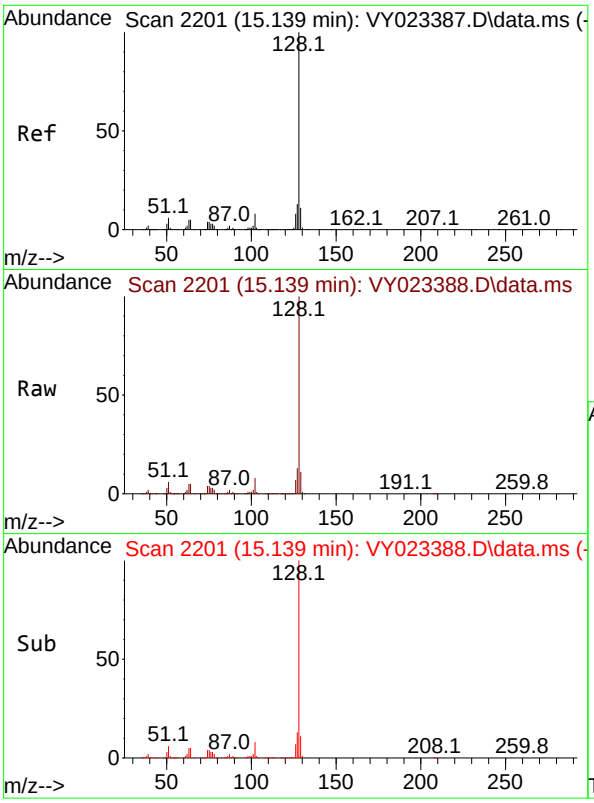


#94
Hexachlorobutadiene
Concen: 108.557 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:225 Resp: 470072

Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.8	92.3
227	64.6	31.9	95.7

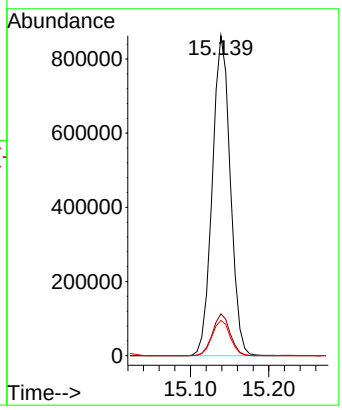




#95
Naphthalene
Concen: 124.485 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:128 Resp: 137829

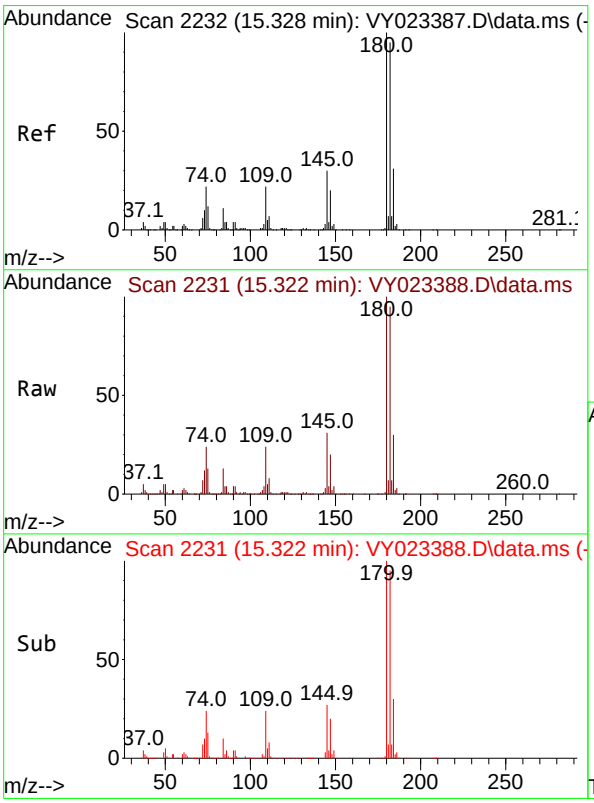
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

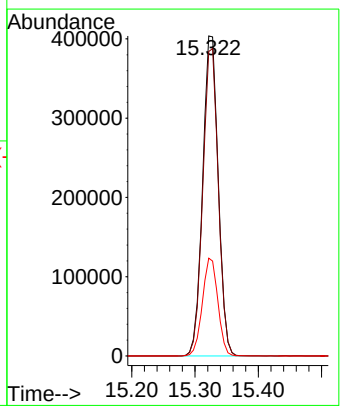
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 115.034 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:180 Resp: 693477

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	30.3	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	588489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	765357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	402368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	714730	140.236	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 280.480%#			
35) Dibromofluoromethane	7.634	113	778632	149.977	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 299.960%#			
50) Toluene-d8	10.103	98	2912319	148.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 297.480%#			
62) 4-Bromofluorobenzene	12.402	95	990964	160.423	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 320.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	587619	126.766	ug/l	97
3) Chloromethane	2.068	50	825167	125.233	ug/l	100
4) Vinyl Chloride	2.208	62	1118134	134.387	ug/l	100
5) Bromomethane	2.580	94	915389	134.118	ug/l	98
6) Chloroethane	2.726	64	756912	133.994	ug/l	99
7) Trichlorofluoromethane	3.050	101	1549160	144.948	ug/l	100
8) Diethyl Ether	3.452	74	418615	149.747	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	786278	137.639	ug/l	99
10) Methyl Iodide	4.007	142	992925	150.409	ug/l	99
11) Tert butyl alcohol	4.866	59	288878	963.279	ug/l	99
12) 1,1-Dichloroethene	3.787	96	781235	142.133	ug/l	97
13) Acrolein	3.653	56	423418	833.323	ug/l	100
14) Allyl chloride	4.385	41	988378	143.628	ug/l	99
15) Acrylonitrile	5.055	53	841857	768.735	ug/l	99
16) Acetone	3.866	43	789668	689.040	ug/l	99
17) Carbon Disulfide	4.104	76	2199339	128.252	ug/l	100
18) Methyl Acetate	4.385	43	505344	173.497	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	2056533	159.802	ug/l	97
20) Methylene Chloride	4.616	84	835005	134.365	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	871380	142.549	ug/l	98
22) Diisopropyl ether	6.019	45	2218430	145.375	ug/l	99
23) Vinyl Acetate	5.958	43	6377047	760.246	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1398477	139.024	ug/l	98
25) 2-Butanone	6.890	43	1116343	788.091	ug/l	97
26) 2,2-Dichloropropane	6.884	77	1281633	143.391	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	1043574	150.505	ug/l	98
28) Bromochloromethane	7.244	49	482210	123.567	ug/l	99
29) Tetrahydrofuran	7.262	42	687719	817.972	ug/l	100
30) Chloroform	7.421	83	1542715	142.221	ug/l	99
31) Cyclohexane	7.701	56	1192778	134.268	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	1405131	144.305	ug/l	100
36) 1,1-Dichloropropene	7.835	75	1069665	146.031	ug/l	100
37) Ethyl Acetate	6.982	43	460027	158.853	ug/l	98
38) Carbon Tetrachloride	7.817	117	1290353	151.646	ug/l	99
39) Methylcyclohexane	9.109	83	1496612	159.580	ug/l	99
40) Benzene	8.079	78	3366812	147.442	ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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	7.220	41	246974	164.212	ug/l		98
42) 1,2-Dichloroethane	8.158	62	866250	149.063	ug/l		100
43) Isopropyl Acetate	8.195	43	946087	167.955	ug/l		100
44) Trichloroethene	8.866	130	966011	150.740	ug/l		99
45) 1,2-Dichloropropane	9.140	63	752286	146.403	ug/l		99
46) Dibromomethane	9.231	93	483702	153.895	ug/l		99
47) Bromodichloromethane	9.420	83	1202247	151.965	ug/l		98
48) Methyl methacrylate	9.219	41	463614	176.368	ug/l		100
49) 1,4-Dioxane	9.225	88	123991	3809.726	ug/l		97
51) 4-Methyl-2-Pentanone	9.993	43	2516107	872.045	ug/l		100
52) Toluene	10.170	92	2272574	156.786	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	1123644	165.367	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	1296713	159.654	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	652242	156.020	ug/l		96
56) Ethyl methacrylate	10.438	69	886127	184.048	ug/l		100
57) 1,3-Dichloropropane	10.713	76	1049593	155.122	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	2040136	968.559	ug/l		100
59) 2-Hexanone	10.755	43	1776032	889.038	ug/l		99
60) Dibromochloromethane	10.908	129	935577	164.084	ug/l		99
61) 1,2-Dibromoethane	11.012	107	639895	162.699	ug/l		99
64) Tetrachloroethene	10.646	164	1046931	136.739	ug/l		98
65) Chlorobenzene	11.438	112	2563176	154.117	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	923367	157.870	ug/l		99
67) Ethyl Benzene	11.518	91	4341801	159.957	ug/l		97
68) m/p-Xylenes	11.627	106	3502137	321.899	ug/l		99
69) o-Xylene	11.950	106	1694987	168.295	ug/l		98
70) Styrene	11.969	104	2830398	170.203	ug/l		99
71) Bromoform	12.127	173	602644	172.115	ug/l	#	99
73) Isopropylbenzene	12.249	105	4290662	160.084	ug/l		100
74) N-amyl acetate	12.066	43	890882	177.866	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	737773	165.010	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	565754m	142.542	ug/l		
77) Bromobenzene	12.530	156	1111318	161.555	ug/l		100
78) n-propylbenzene	12.591	91	4932015	156.465	ug/l		99
79) 2-Chlorotoluene	12.676	91	2822049	155.063	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	3496249	160.460	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	245190	166.570	ug/l		98
82) 4-Chlorotoluene	12.773	91	2902371	152.701	ug/l		99
83) tert-Butylbenzene	12.993	119	3220384	162.197	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	3503639	162.527	ug/l		99
85) sec-Butylbenzene	13.170	105	4560715	158.609	ug/l		99
86) p-Isopropyltoluene	13.286	119	4024712	165.622	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	2165278	159.350	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	2090133	155.104	ug/l		100
89) n-Butylbenzene	13.615	91	3505715	163.379	ug/l		99
90) Hexachloroethane	13.877	117	799264	151.487	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	1862691	157.101	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	116273	164.099	ug/l		96
93) 1,2,4-Trichlorobenzene	14.913	180	1272621	182.183	ug/l		100
94) Hexachlorobutadiene	15.017	225	711748	163.518	ug/l		98
95) Naphthalene	15.139	128	2277549	204.639	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	1110193	183.206	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

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

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

ICAL Form

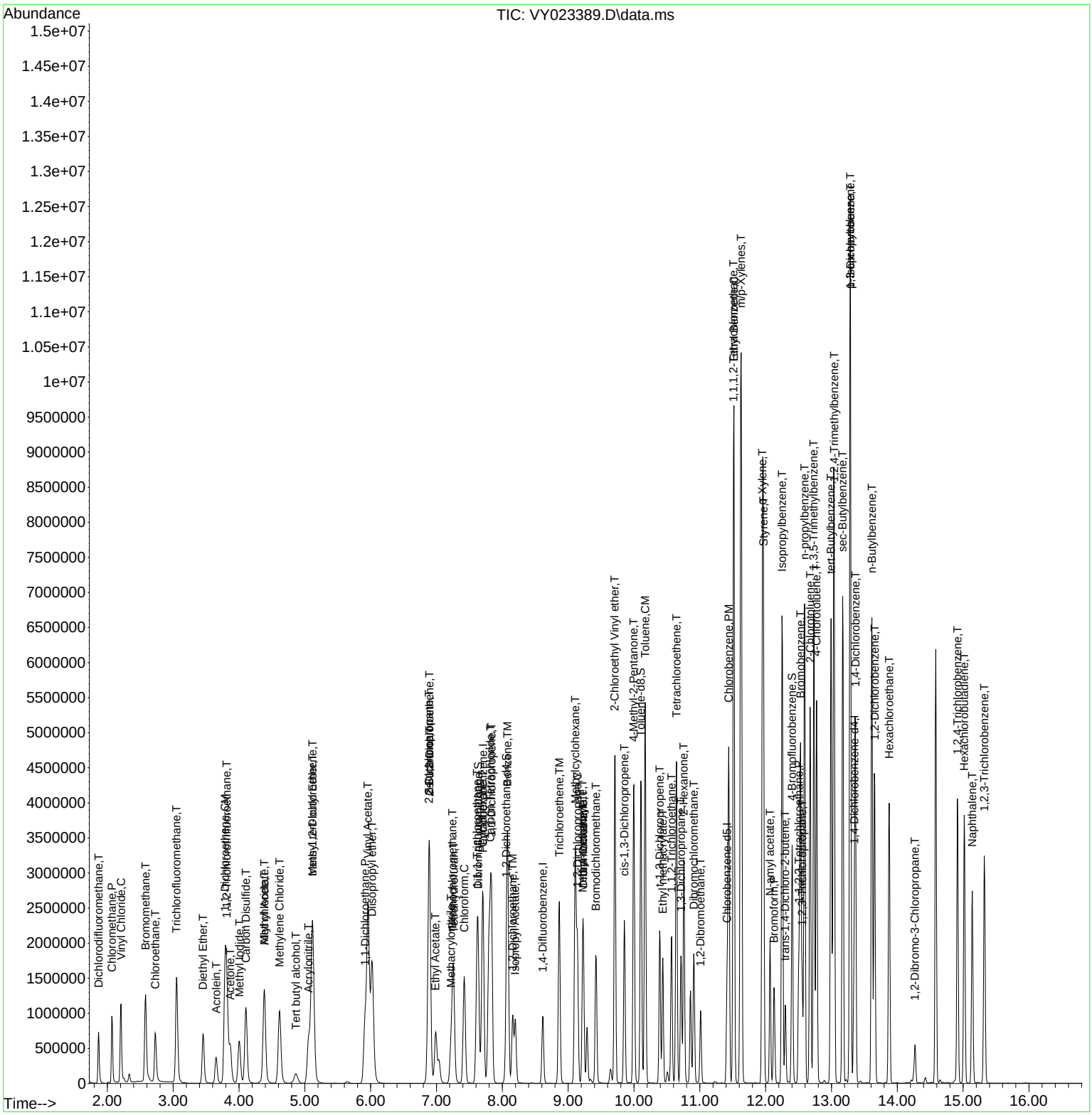
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

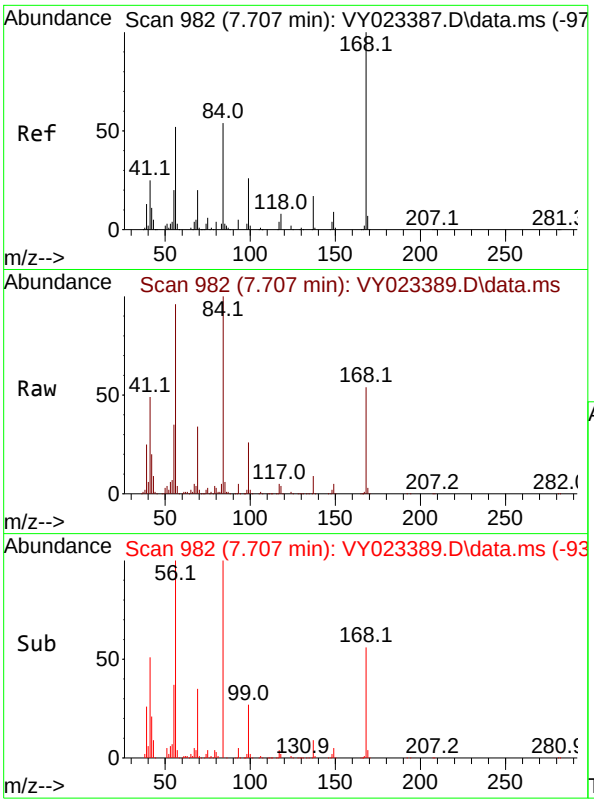
Quant Time: Oct 08 04:45:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

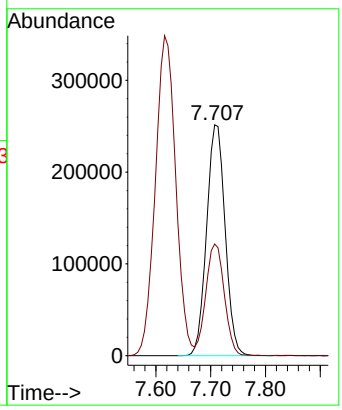




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:168 Resp: 58848

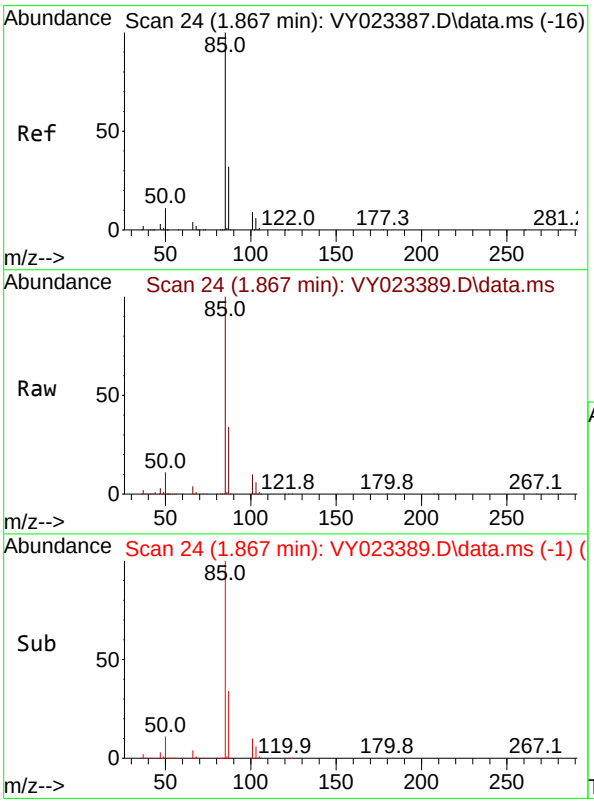
Ion	Ratio	Lower	Upper
168	100		
99	48.3	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

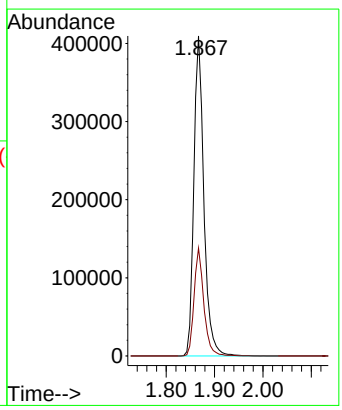
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

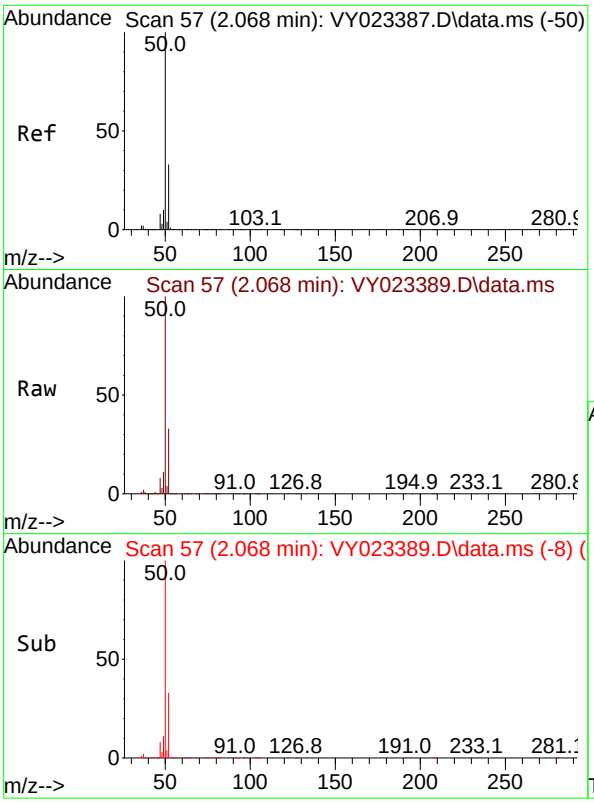


#2
Dichlorodifluoromethane
Concen: 126.766 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 85 Resp: 587619

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.0	47.9

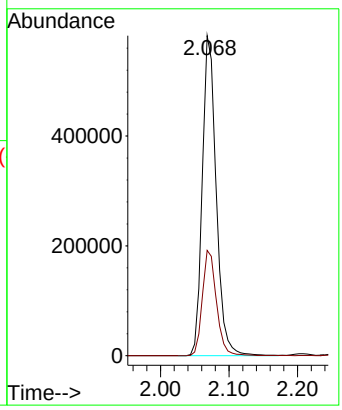




#3
Chloromethane
Concen: 125.233 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 50 Resp: 82516

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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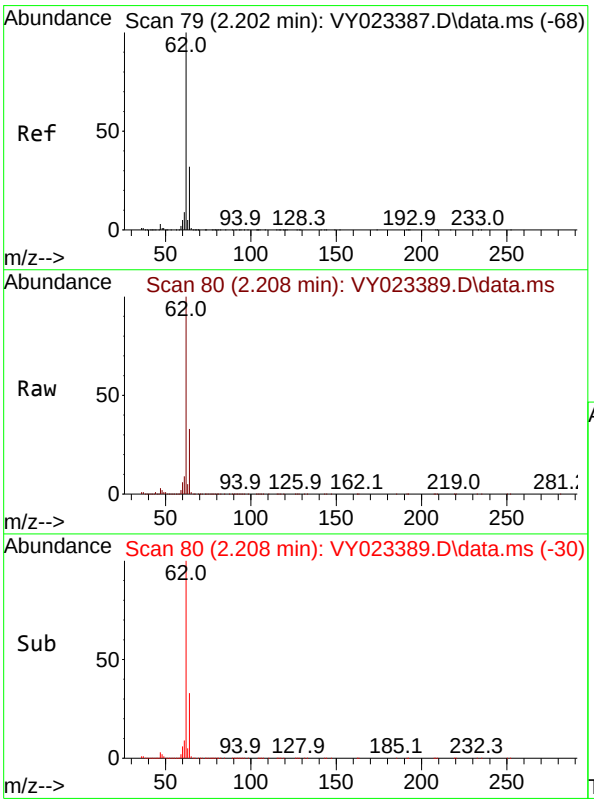
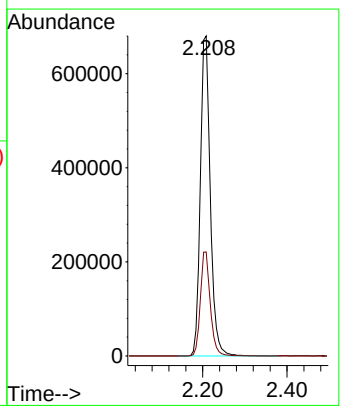
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

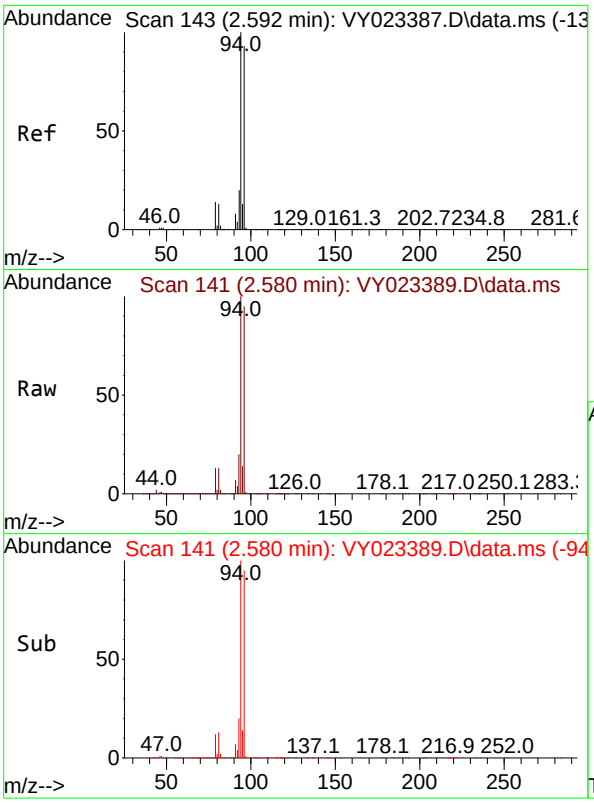


#4
Vinyl Chloride
Concen: 134.387 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 62 Resp: 1118134

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.8	38.8

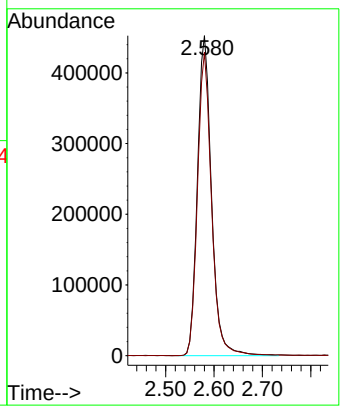




#5
Bromomethane
Concen: 134.118 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 94 Resp: 91538

Ion	Ratio	Lower	Upper
94	100		
96	94.8	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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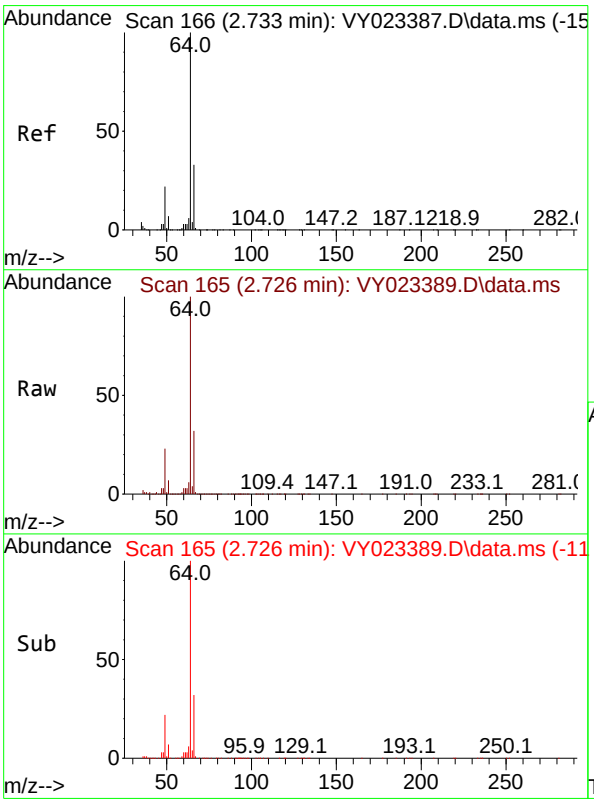
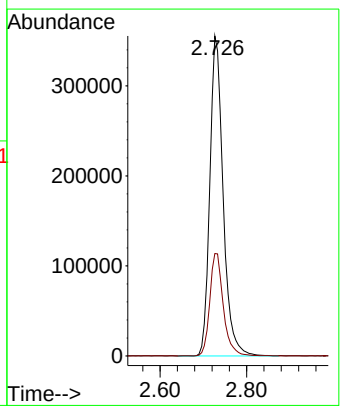
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

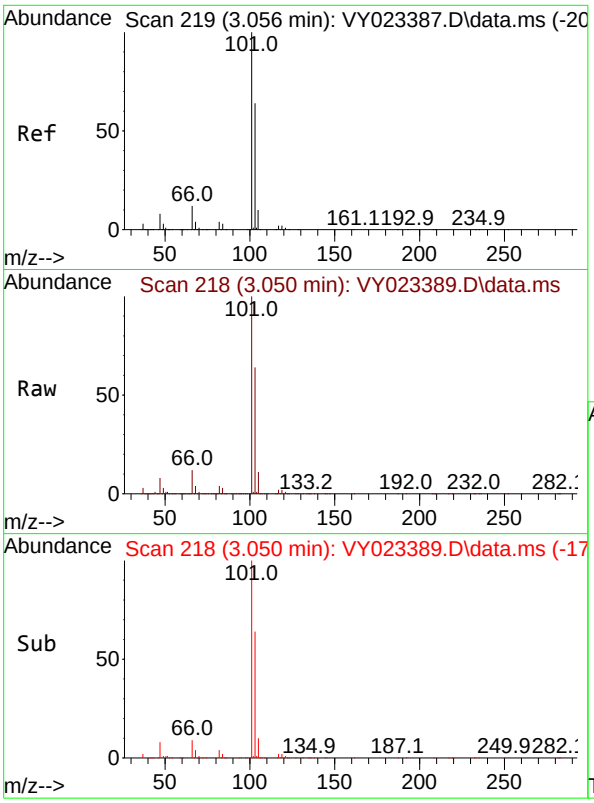


#6
Chloroethane
Concen: 133.994 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 64 Resp: 756912

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.2	39.4

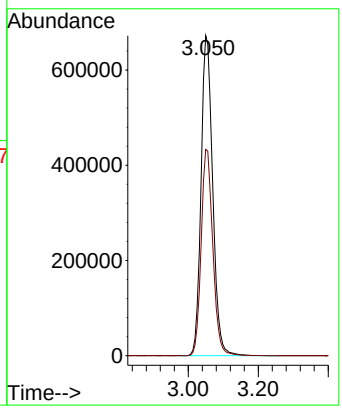




#7
Trichlorofluoromethane
Concen: 144.948 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:101 Resp: 154916

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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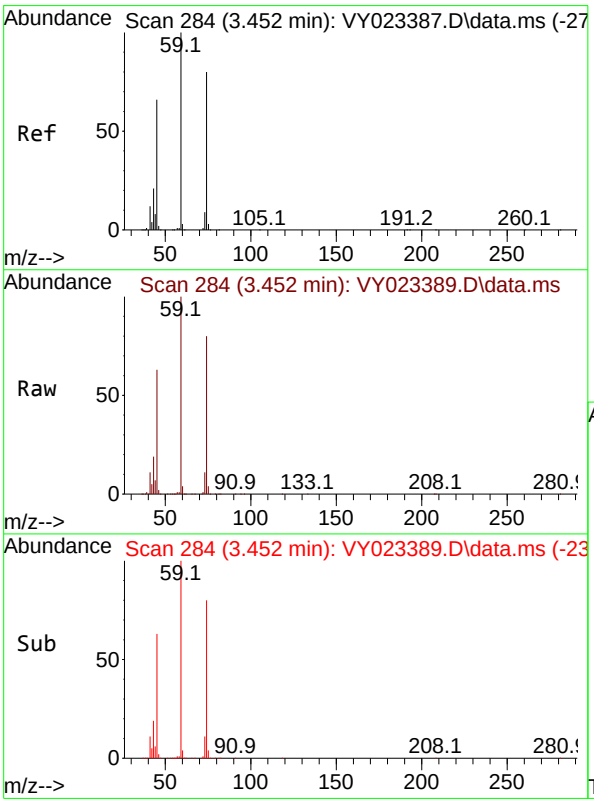
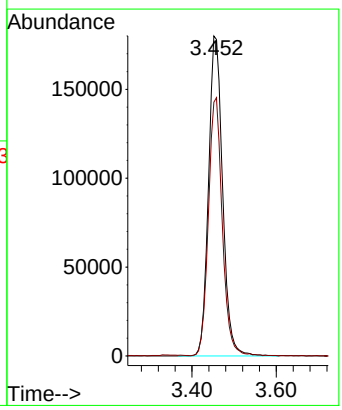
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

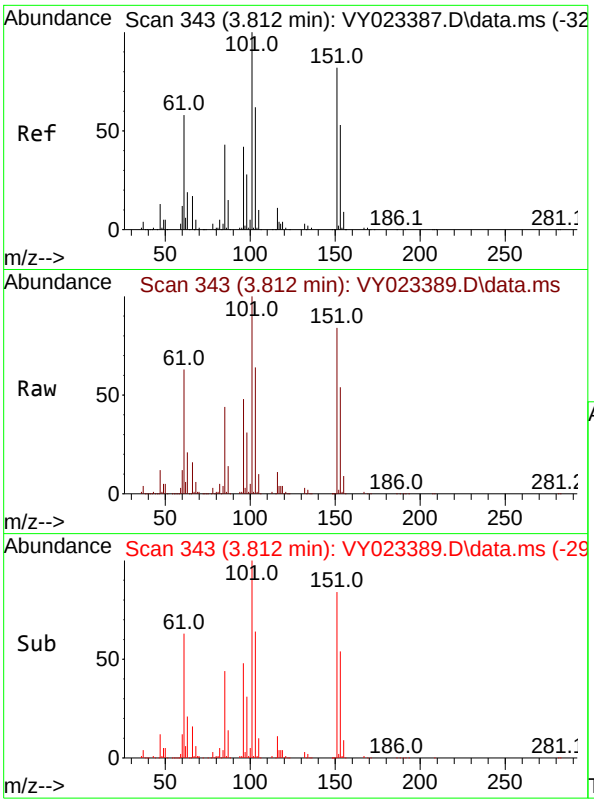


#8
Diethyl Ether
Concen: 149.747 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 74 Resp: 418615

Ion	Ratio	Lower	Upper
74	100		
45	79.7	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.639 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:101 Resp: 78627

Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.6	51.8
151	85.2	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
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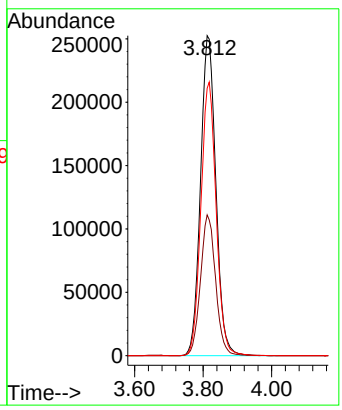
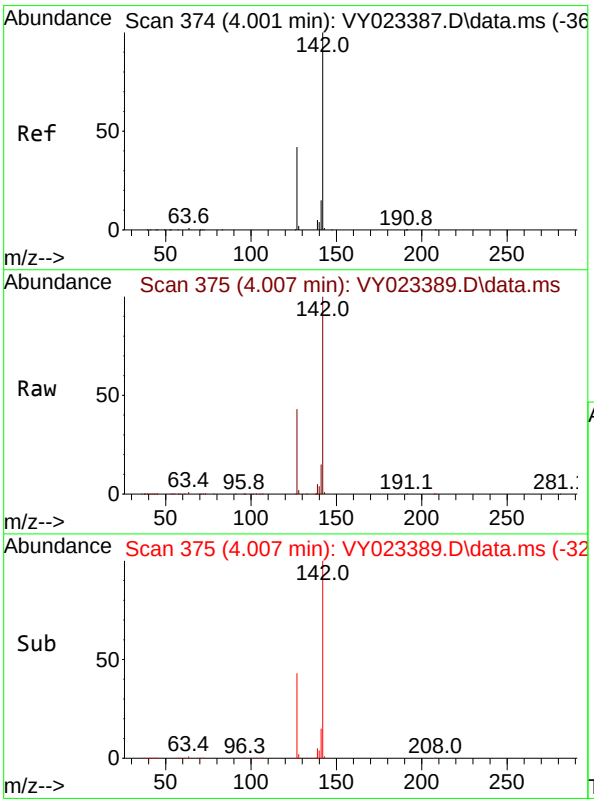
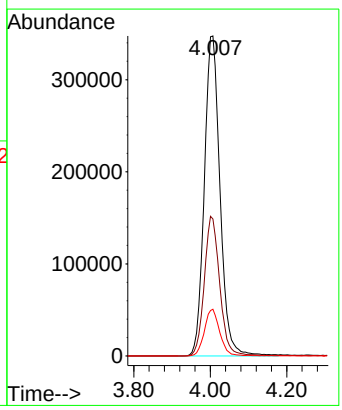


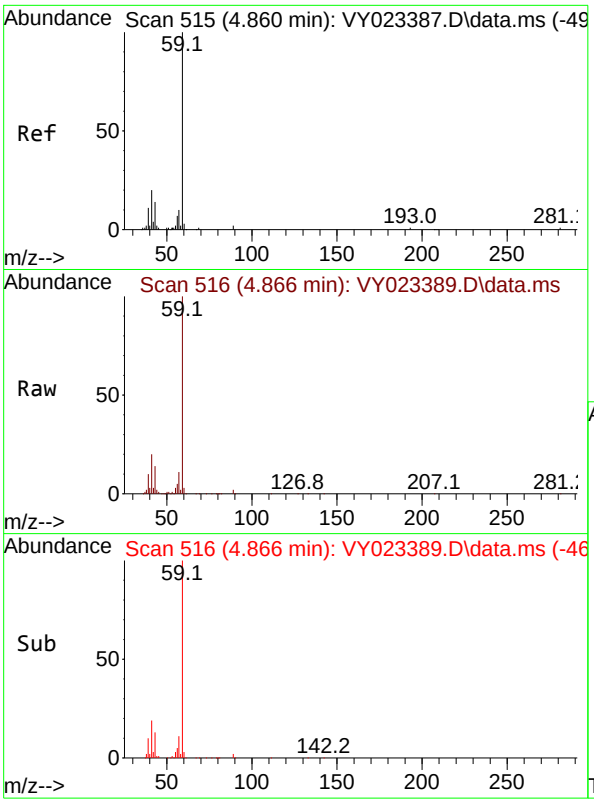


#10
Methyl Iodide
Concen: 150.409 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:142 Resp: 992925

Ion	Ratio	Lower	Upper
142	100		
127	42.8	34.8	52.2
141	14.1	11.6	17.4

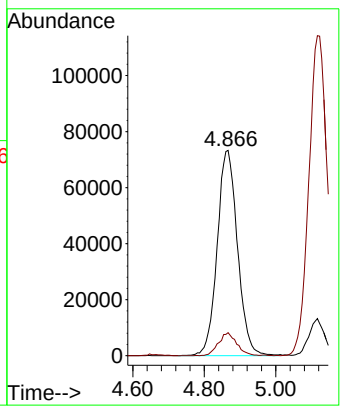




#11
Tert butyl alcohol
Concen: 963.279 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 59 Resp: 28887

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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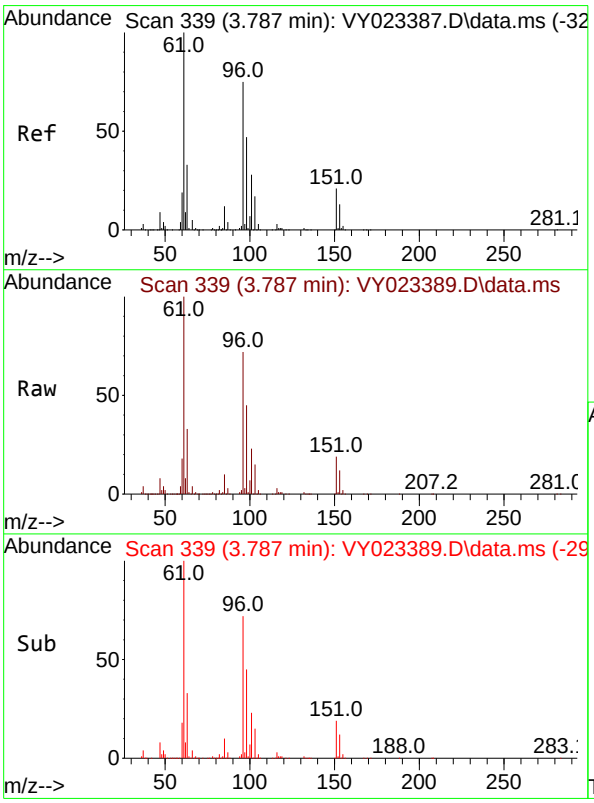
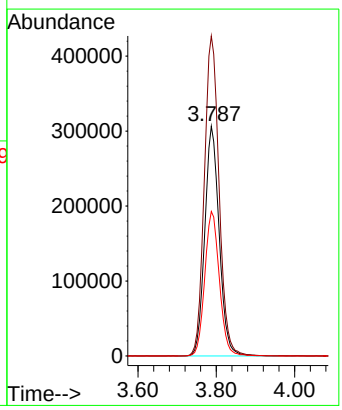
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

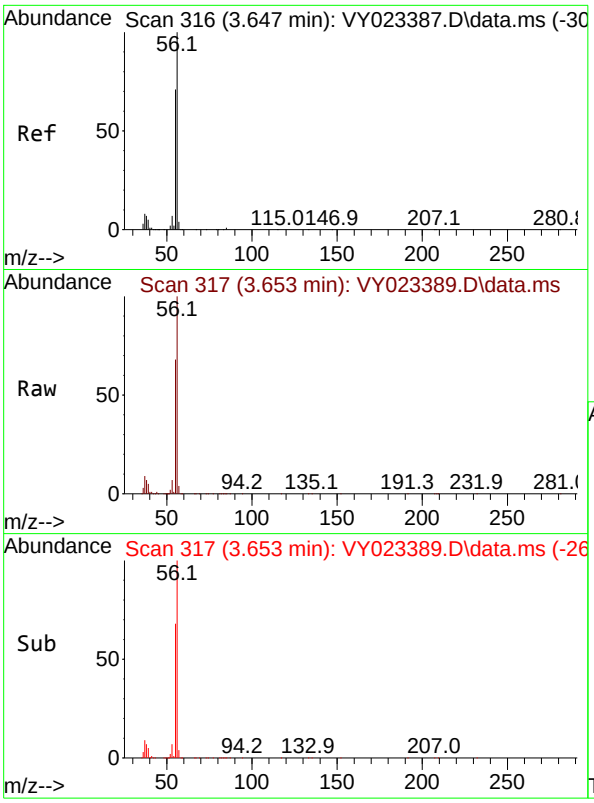


#12
1,1-Dichloroethene
Concen: 142.133 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 96 Resp: 781235

Ion	Ratio	Lower	Upper
96	100		
61	139.3	106.7	160.1
98	62.9	50.2	75.4

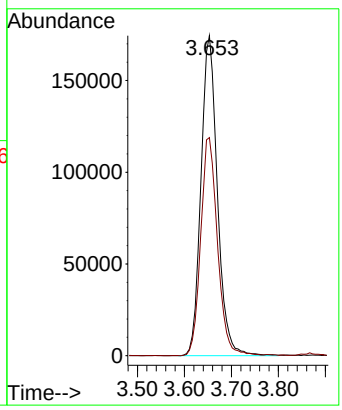




#13
Acrolein
Concen: 833.323 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 56 Resp: 42341

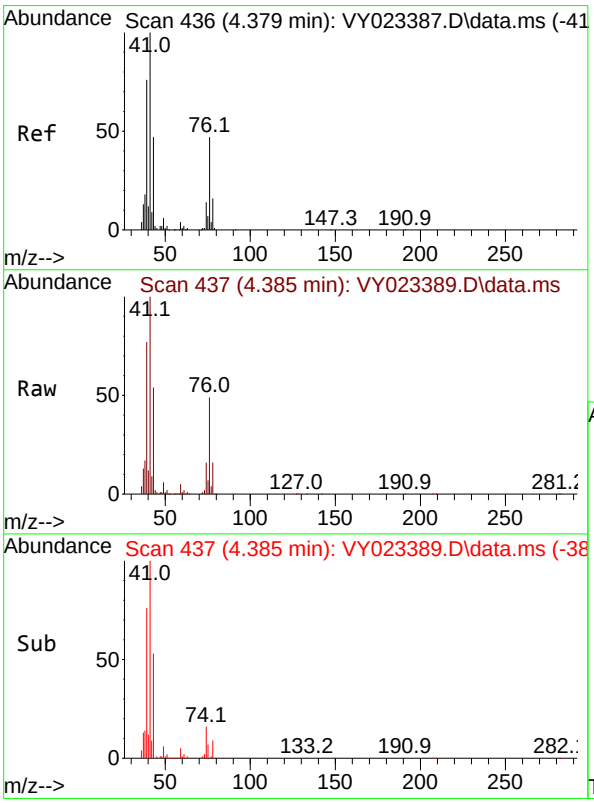
Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

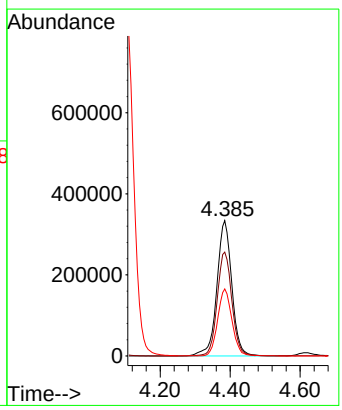
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

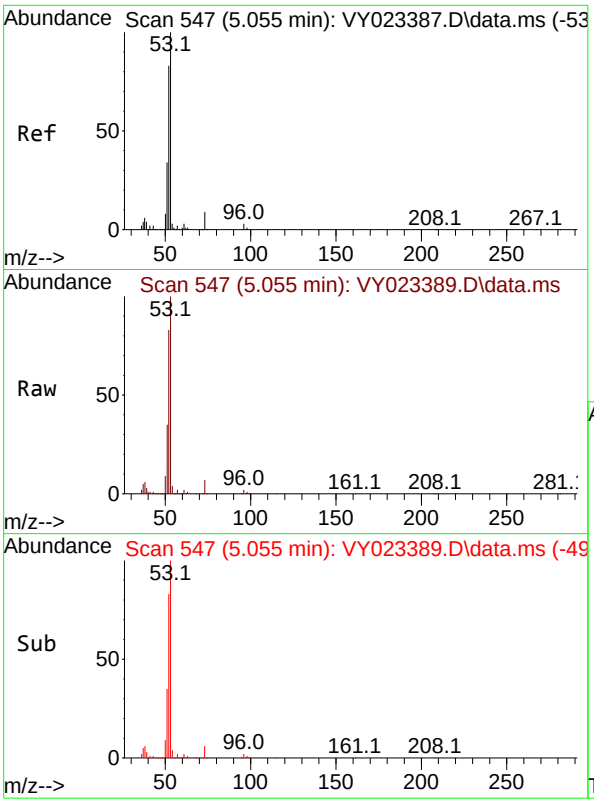


#14
Allyl chloride
Concen: 143.628 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 988378

Ion	Ratio	Lower	Upper
41	100		
39	75.6	59.9	89.9
76	47.2	38.0	57.0

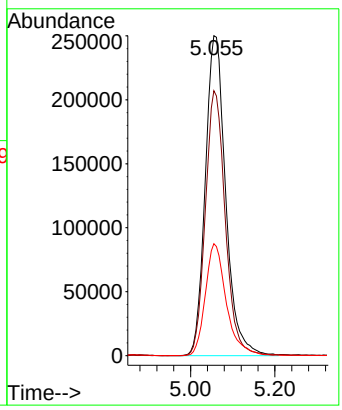




#15
Acrylonitrile
Concen: 768.735 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 53 Resp: 84185

Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.6	97.0
51	36.0	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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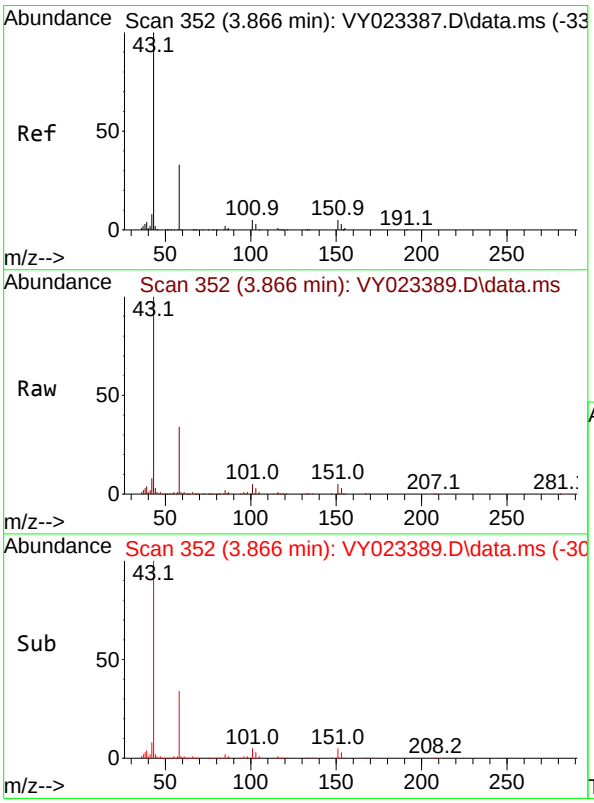
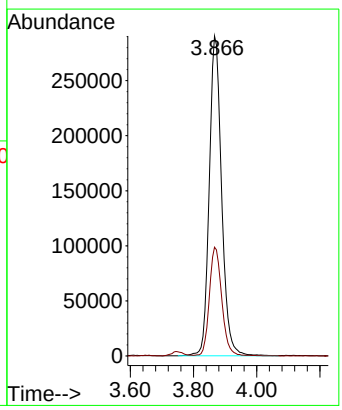
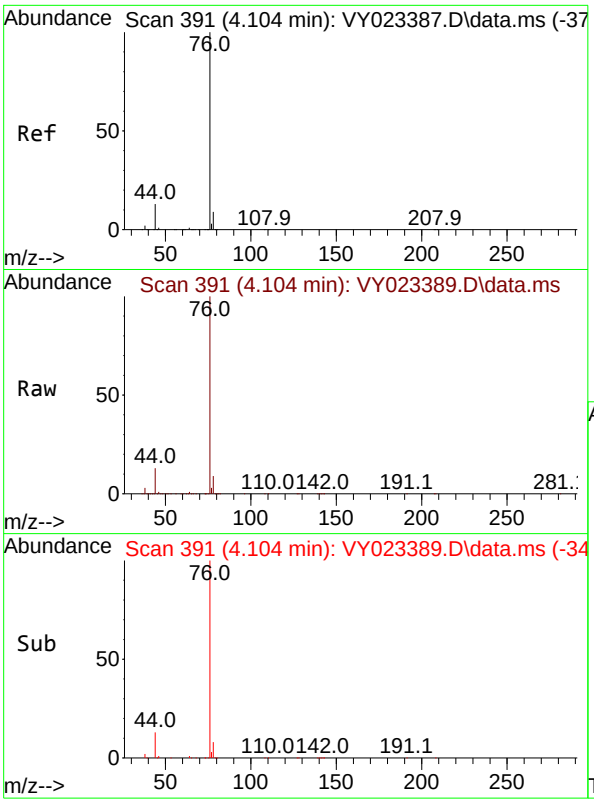


#16
Acetone
Concen: 689.040 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 789668

Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.7	41.5

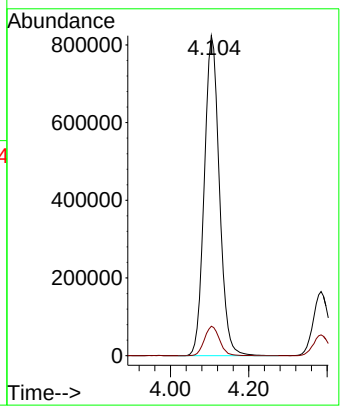




#17
Carbon Disulfide
Concen: 128.252 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 76 Resp: 219933

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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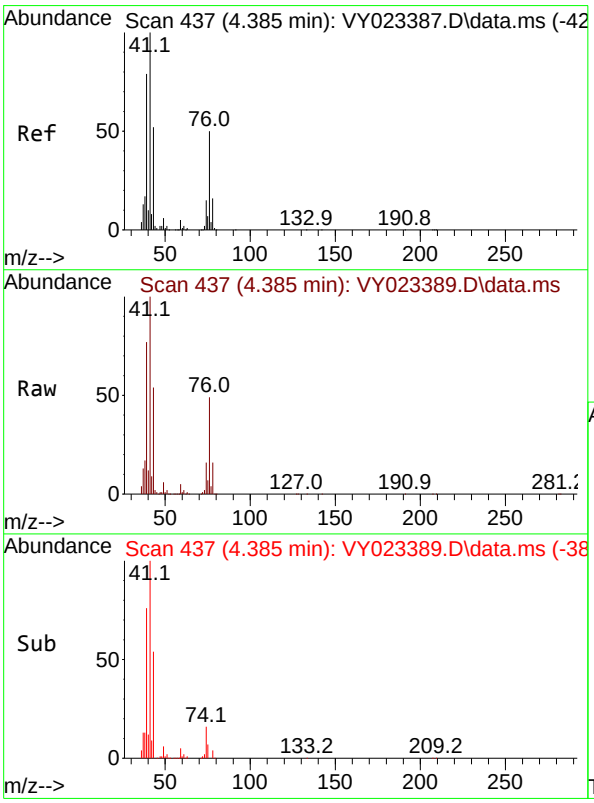
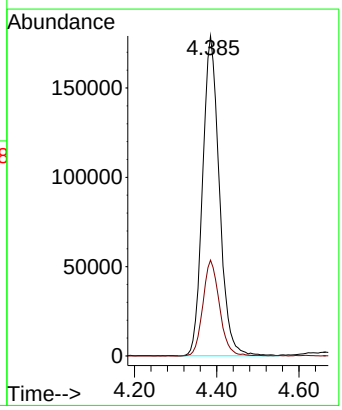
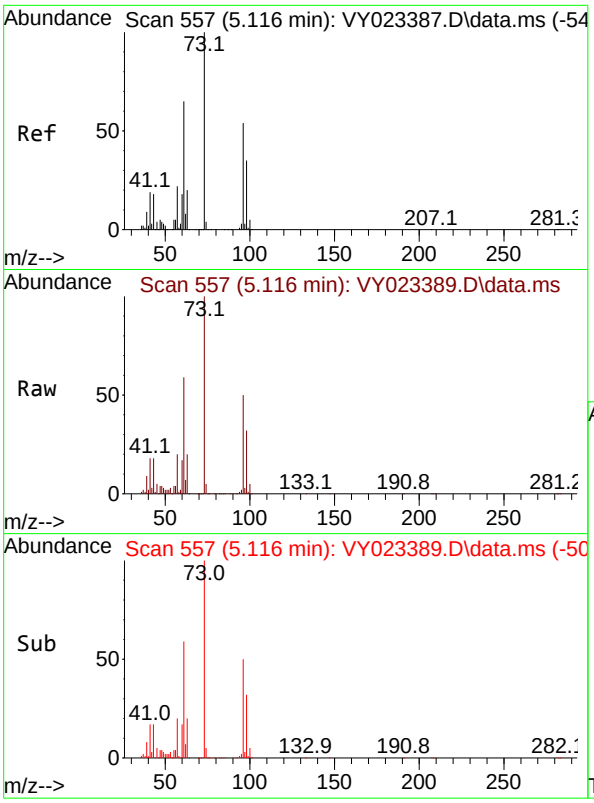


#18
Methyl Acetate
Concen: 173.497 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 505344

Ion	Ratio	Lower	Upper
43	100		
74	29.7	24.2	36.4

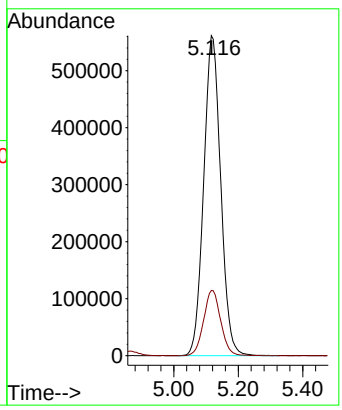




#19
Methyl tert-butyl Ether
Concen: 159.802 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 73 Resp: 205653

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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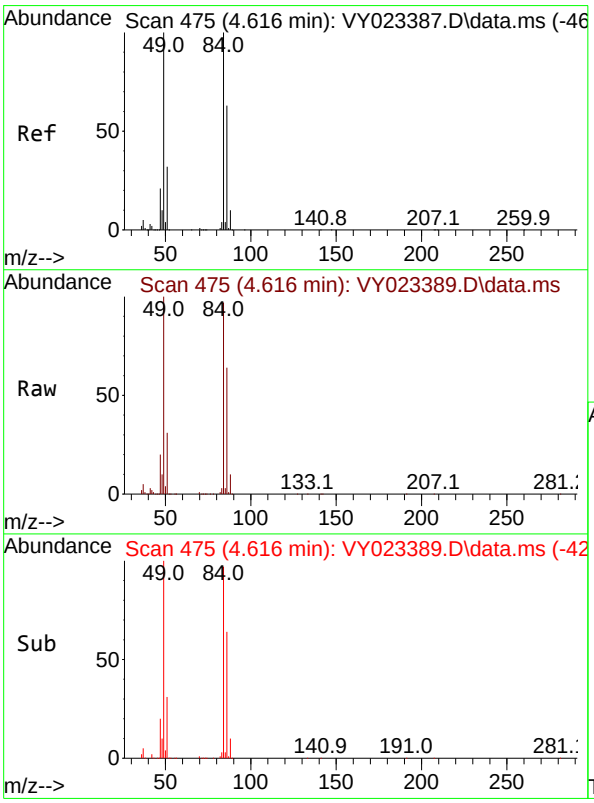
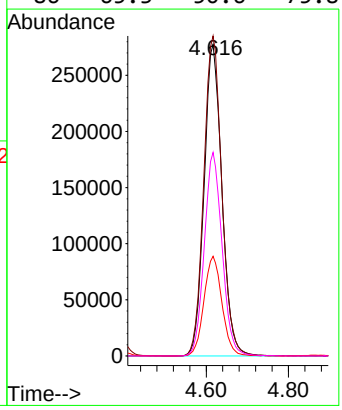
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

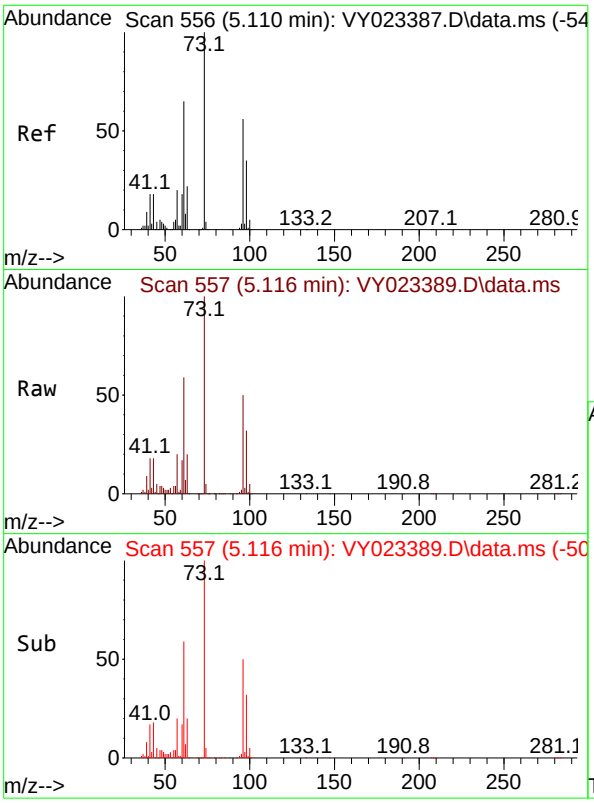


#20
Methylene Chloride
Concen: 134.365 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 84 Resp: 835005

Ion	Ratio	Lower	Upper
84	100		
49	102.7	80.2	120.4
51	31.9	25.9	38.9
86	65.3	50.6	75.8

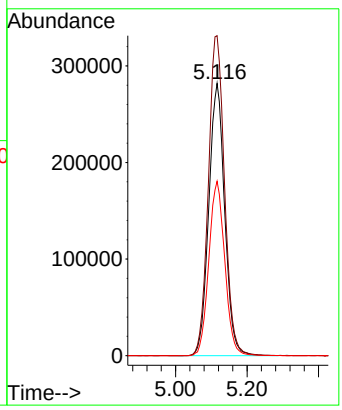




#21
trans-1,2-Dichloroethene
Concen: 142.549 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 96 Resp: 87138

Ion	Ratio	Lower	Upper
96	100		
61	117.5	92.7	139.1
98	64.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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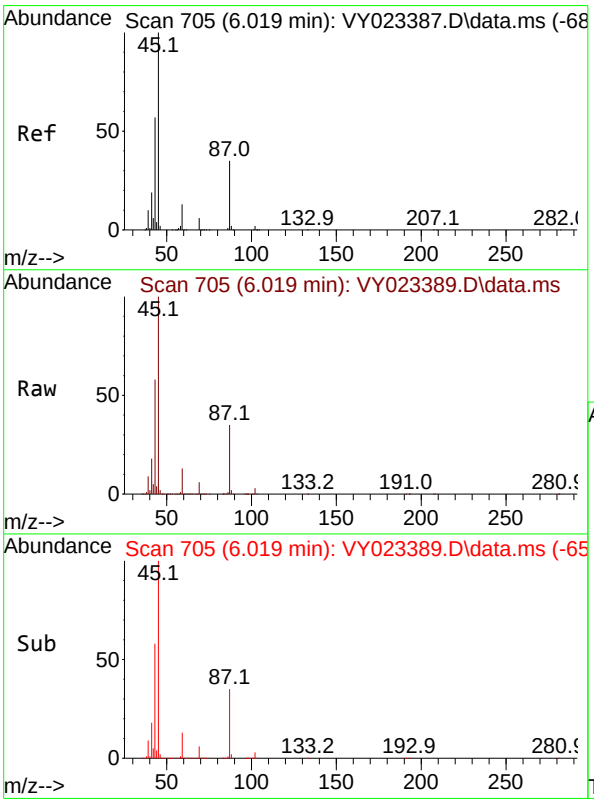
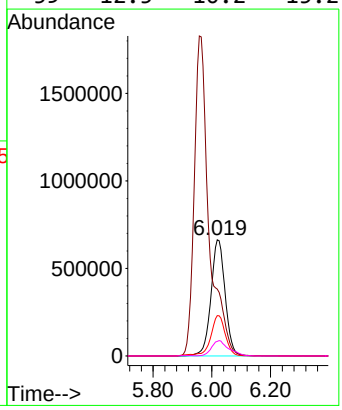
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

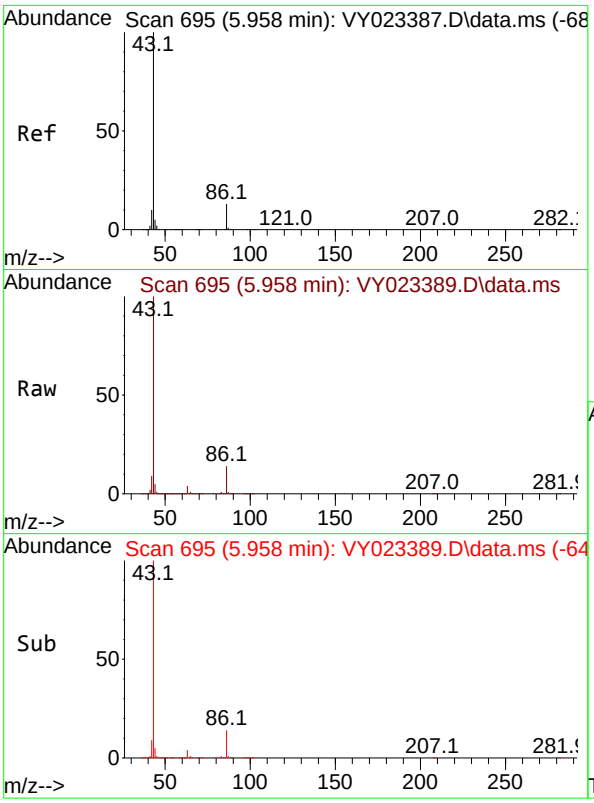


#22
Diisopropyl ether
Concen: 145.375 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 45 Resp: 2218430

Ion	Ratio	Lower	Upper
45	100		
43	57.6	45.6	68.4
87	34.7	28.1	42.1
59	12.5	10.2	15.2





#23
Vinyl Acetate
Concen: 760.246 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 637704

Ion	Ratio	Lower	Upper
43	100		
86	13.6	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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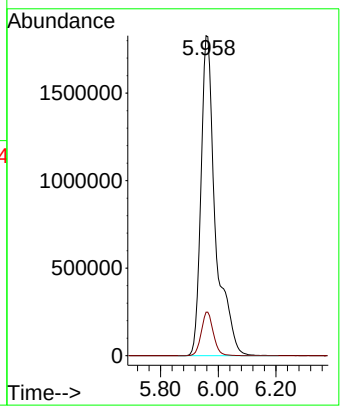
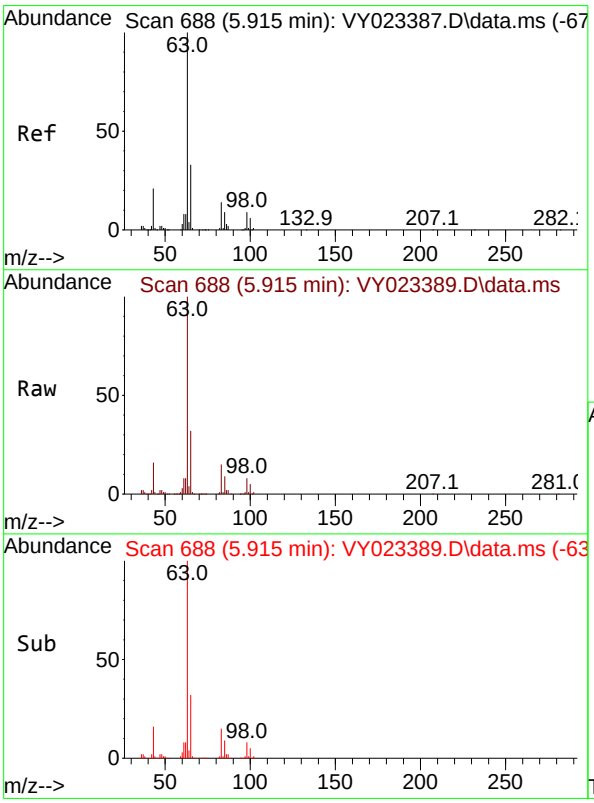
Supervised By :Mahesh Dadoda 10/10/2025

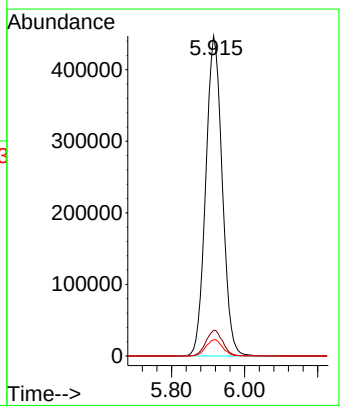


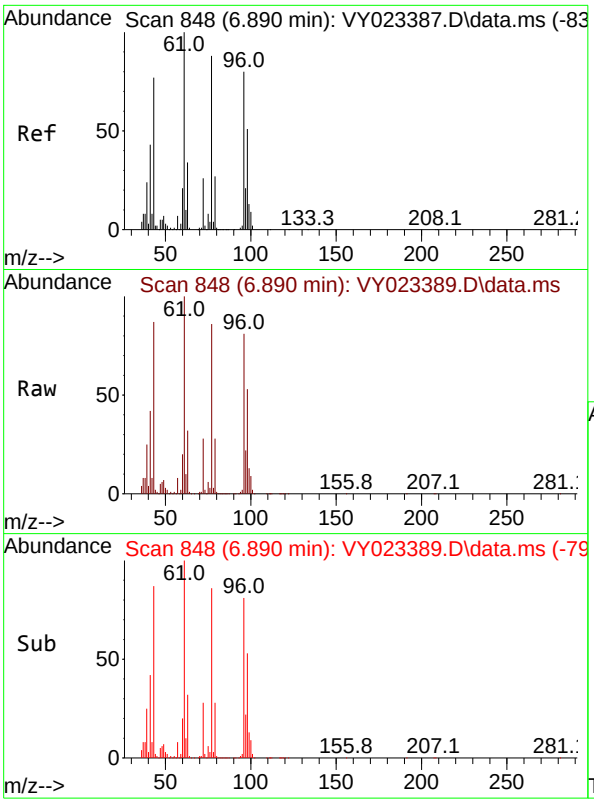


#24
1,1-Dichloroethane
Concen: 139.024 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 1398477

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.3	13.1
100	5.0	2.8	8.4





#25
2-Butanone
Concen: 788.091 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 111634

Ion	Ratio	Lower	Upper
43	100		
72	32.3	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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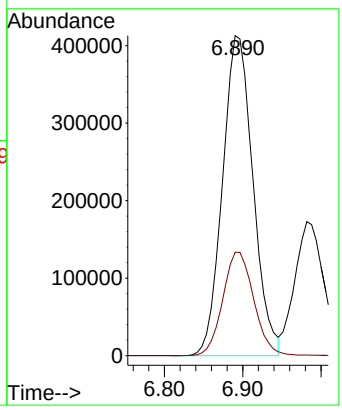
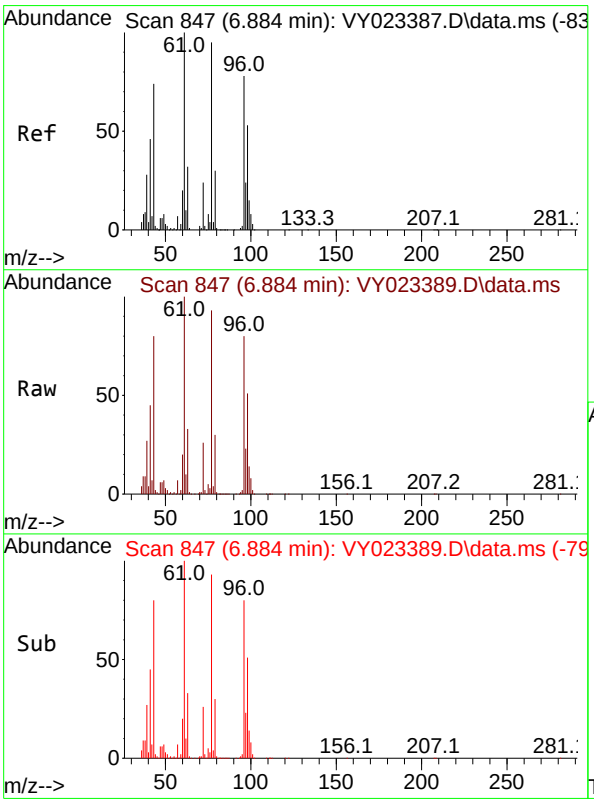
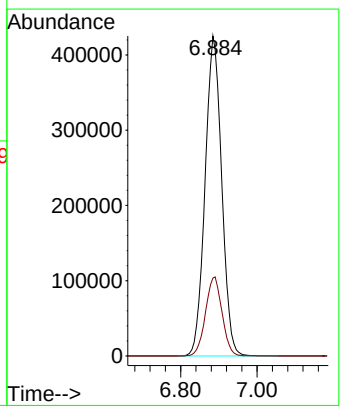


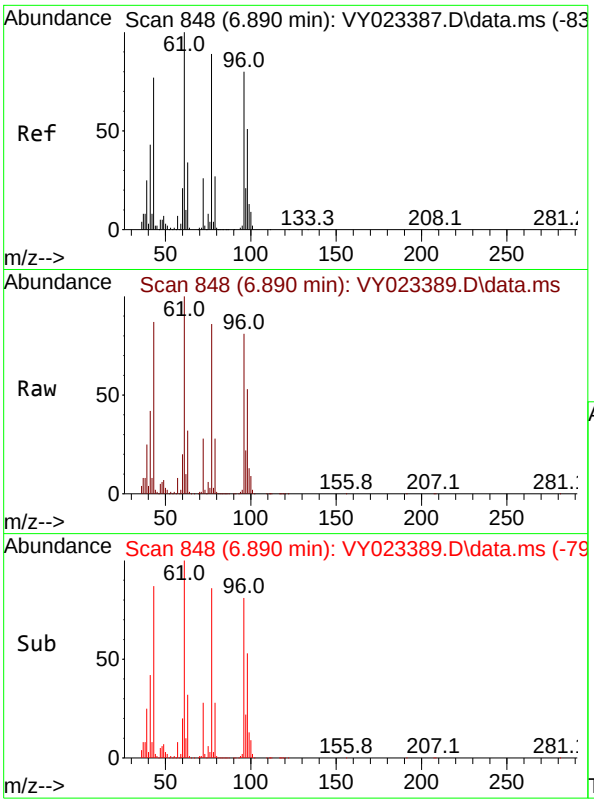


#26
2,2-Dichloropropane
Concen: 143.391 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 77 Resp: 1281633

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 150.505 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 96 Resp: 104357

Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	258.2
98	65.0	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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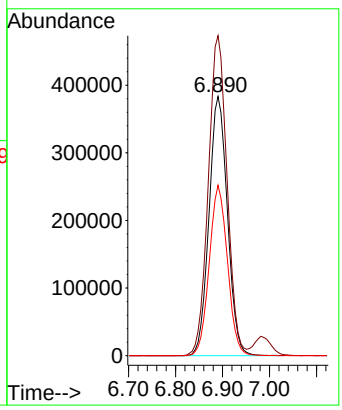
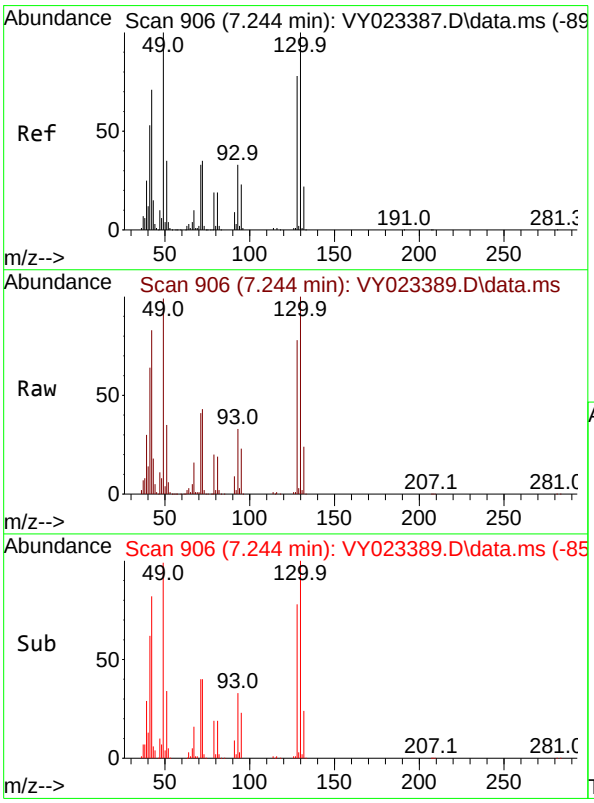
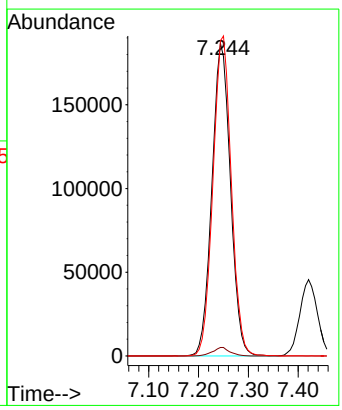


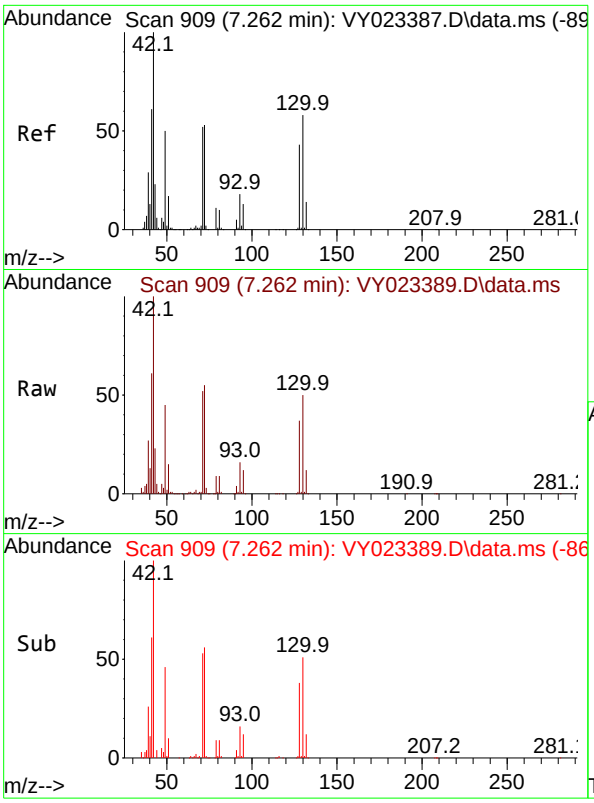


#28
Bromochloromethane
Concen: 123.567 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 49 Resp: 482210

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	101.2	81.9	122.9

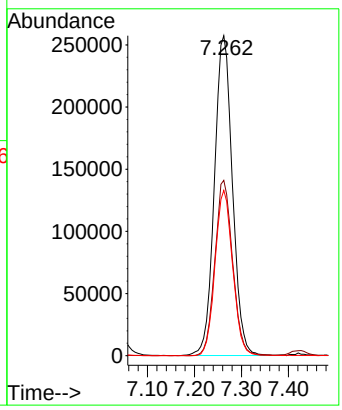




#29
Tetrahydrofuran
Concen: 817.972 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 42 Resp: 68771(

Ion	Ratio	Lower	Upper
42	100		
72	53.9	43.0	64.6
71	50.4	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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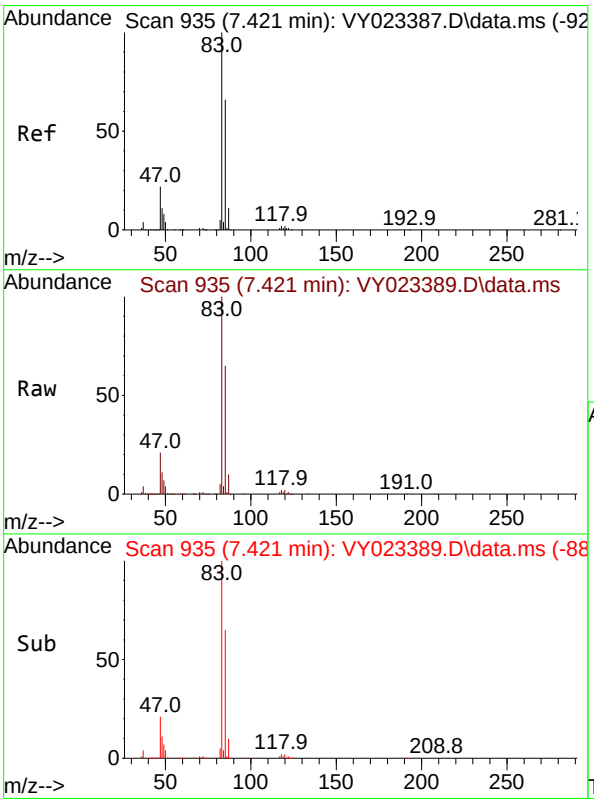
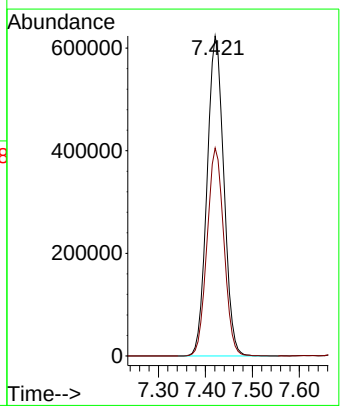
Supervised By :Mahesh Dadoda 10/10/2025

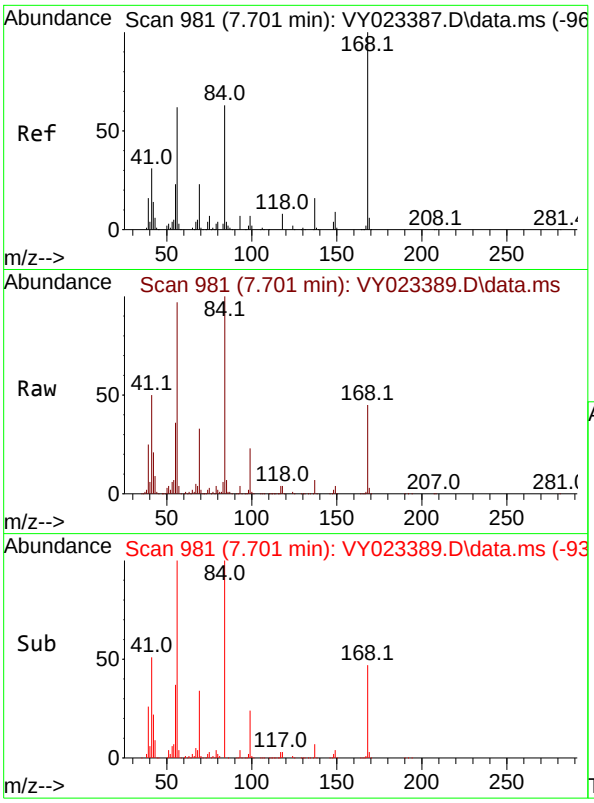


#30
Chloroform
Concen: 142.221 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 1542715

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.5	78.7

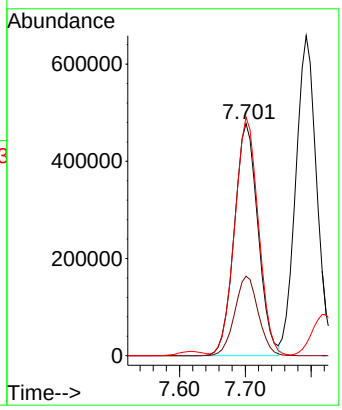




#31
Cyclohexane
Concen: 134.268 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 56 Resp: 119277

Ion	Ratio	Lower	Upper
56	100		
69	34.2	30.0	45.0
84	101.7	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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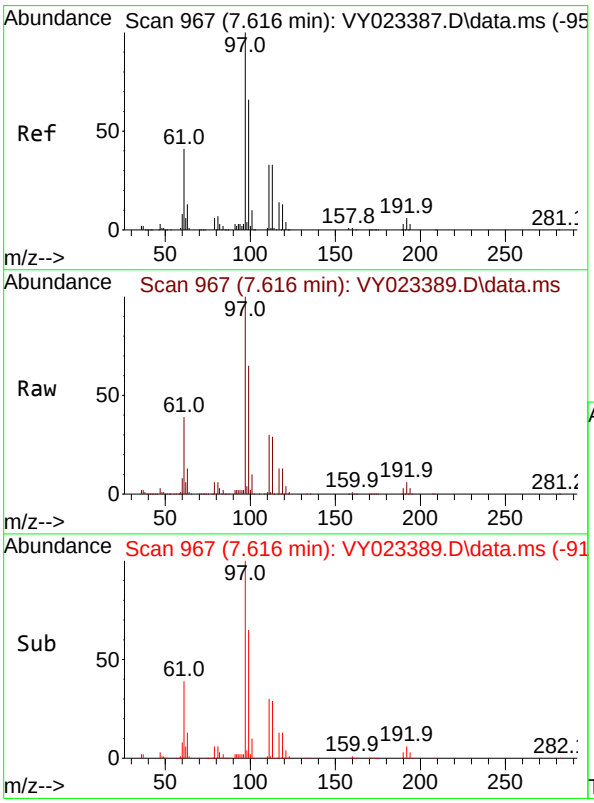
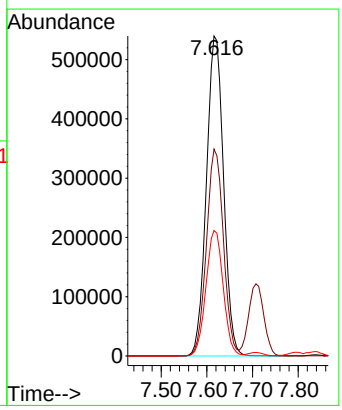
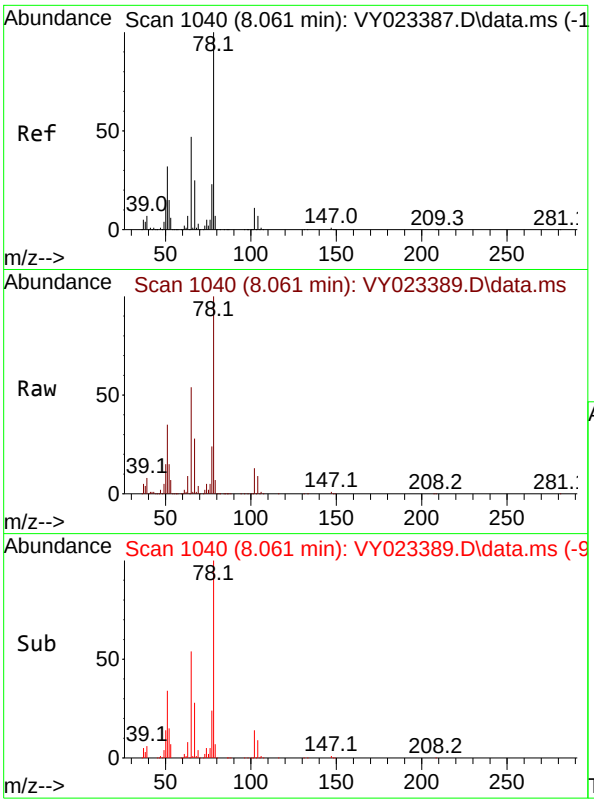


#32
1,1,1-Trichloroethane
Concen: 144.305 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 97 Resp: 1405131

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.5	31.9	47.9

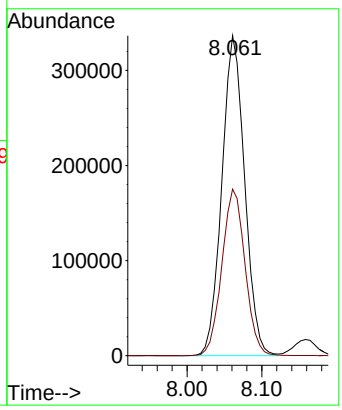




#33
1,2-Dichloroethane-d4
Concen: 140.236 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 65 Resp: 71473

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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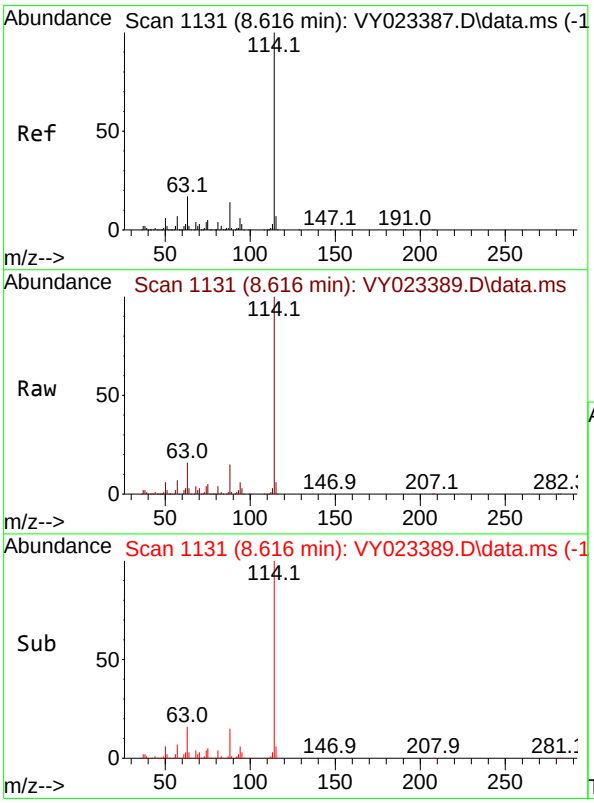
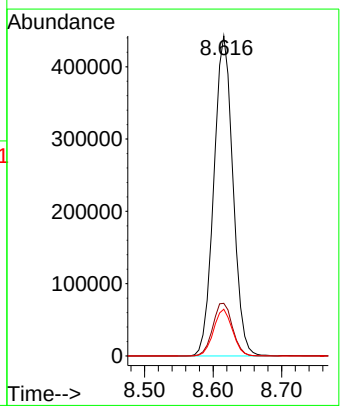
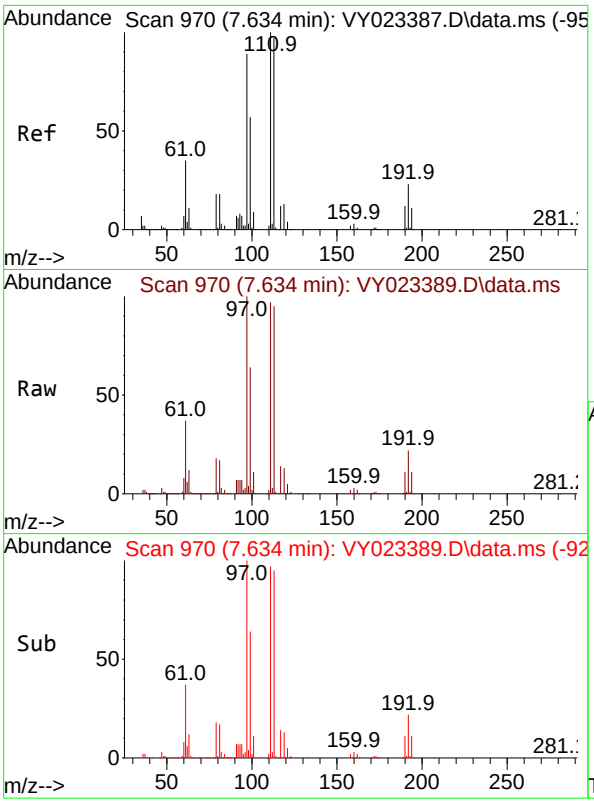


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:114 Resp: 855488

Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	34.2
88	14.6	0.0	28.4





#35
Dibromofluoromethane
Concen: 149.977 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:113 Resp: 77863

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	22.7	18.0	27.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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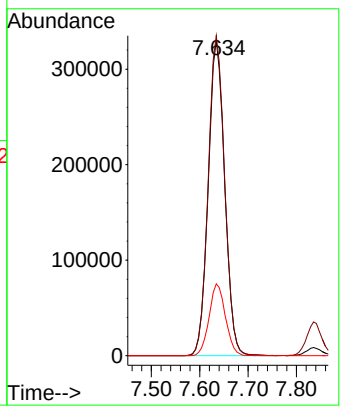
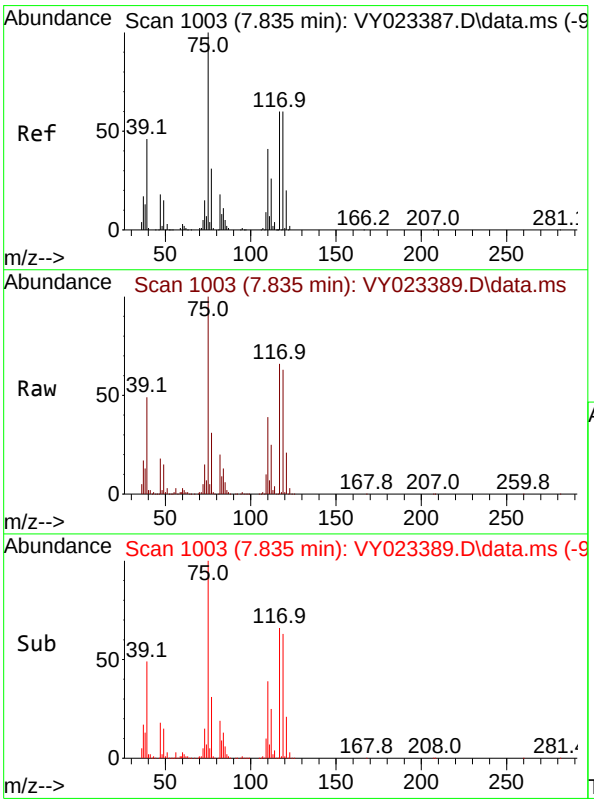
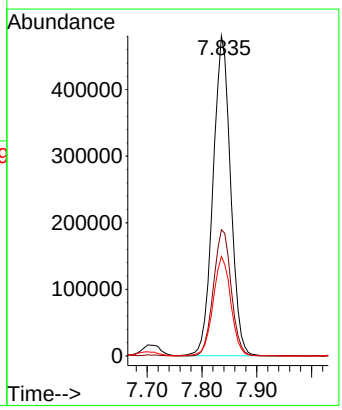


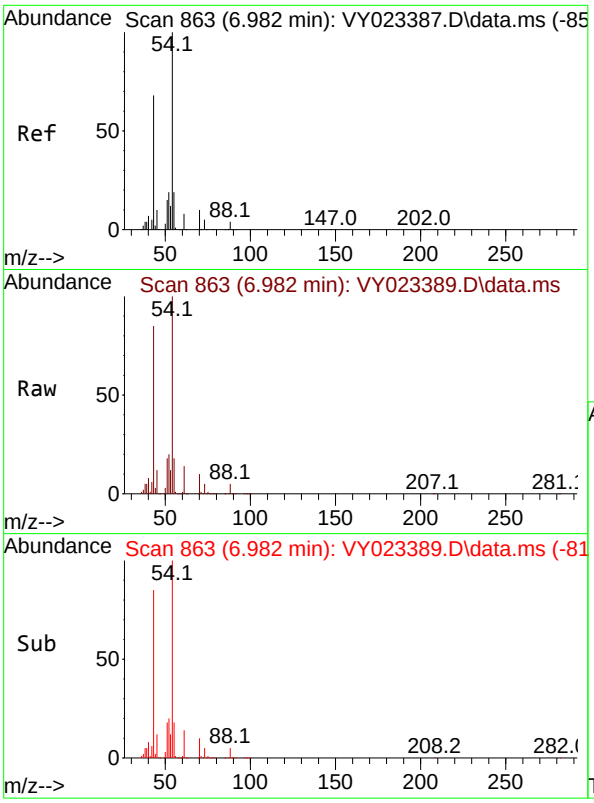


#36
1,1-Dichloropropene
Concen: 146.031 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 1069665

Ion	Ratio	Lower	Upper
75	100		
110	39.9	19.9	59.7
77	31.4	25.0	37.6





#37
Ethyl Acetate
Concen: 158.853 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 46002

Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.8
70	12.7	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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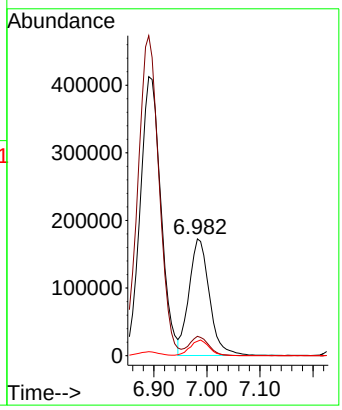
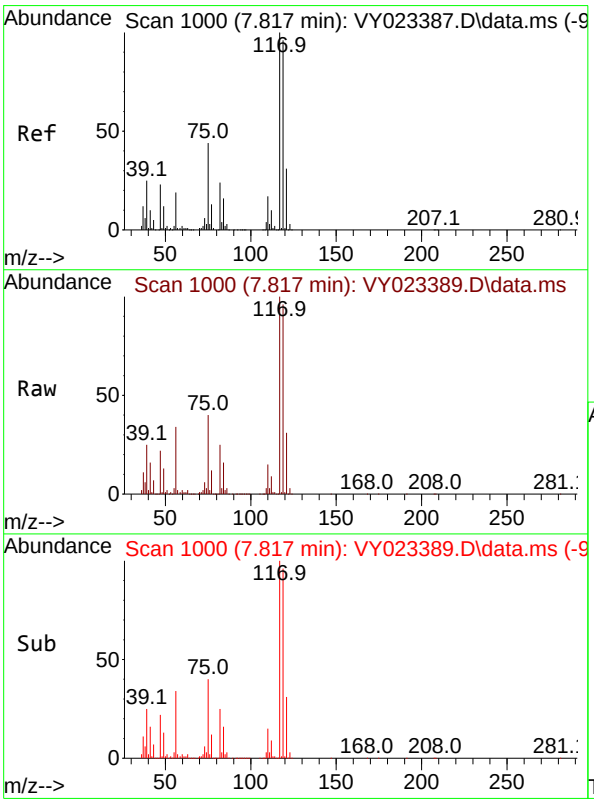
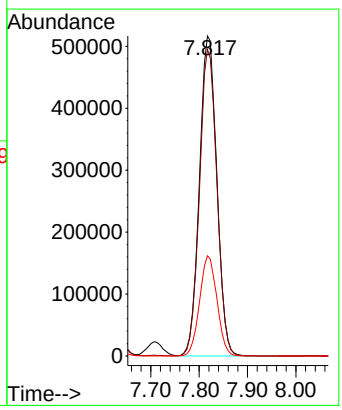


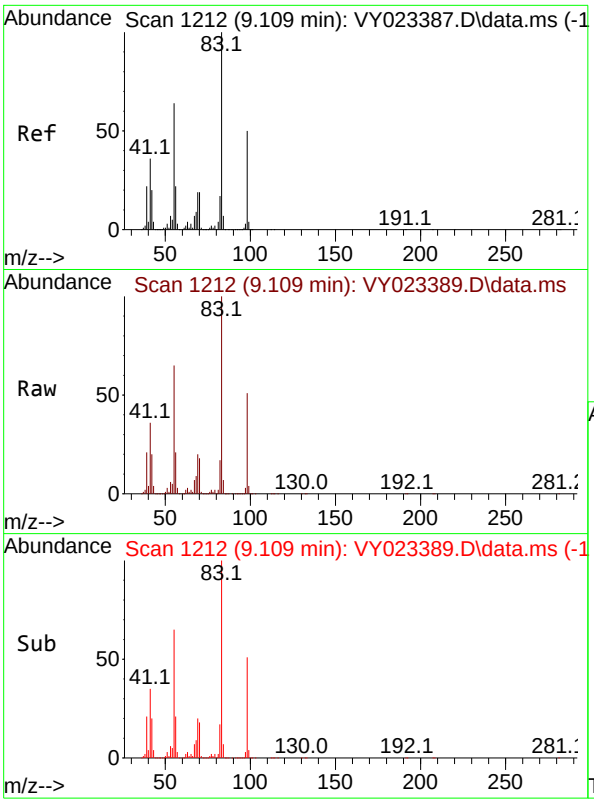


#38
Carbon Tetrachloride
Concen: 151.646 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:117 Resp: 1290353

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.8	115.2
121	31.3	24.5	36.7





#39
Methylcyclohexane
Concen: 159.580 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 149661

Ion	Ratio	Lower	Upper
83	100		
55	65.2	51.4	77.2
98	51.2	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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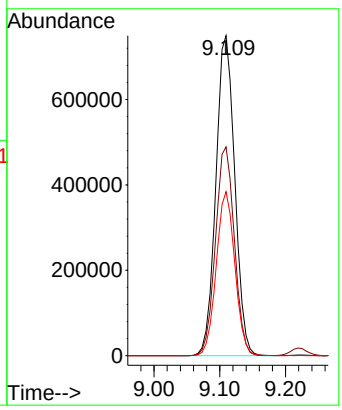
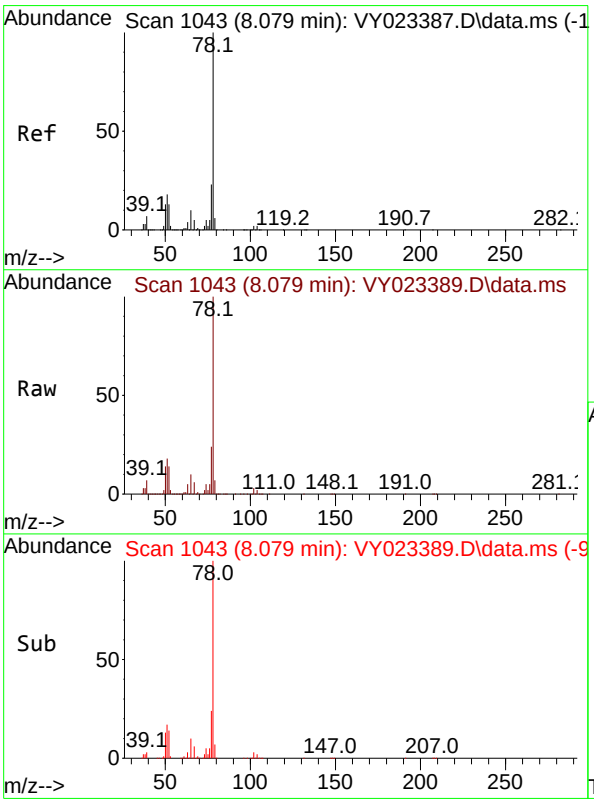
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

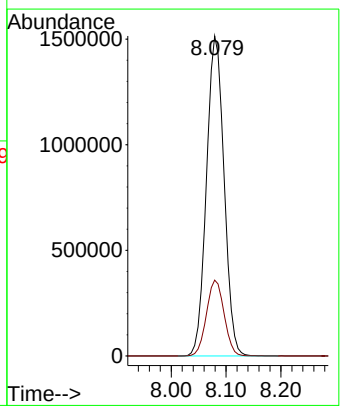


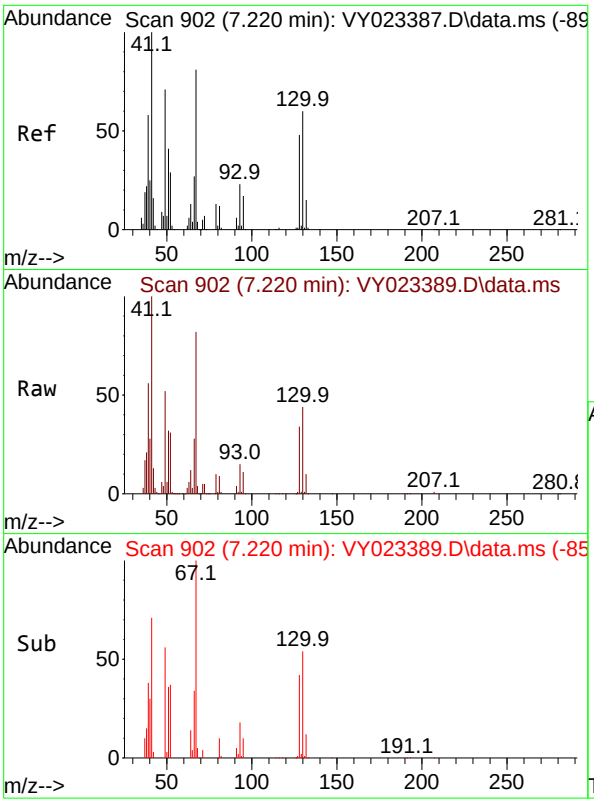


#40
Benzene
Concen: 147.442 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 78 Resp: 3366812

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5

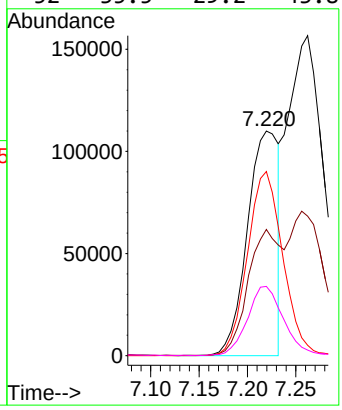




#41
Methacrylonitrile
Concen: 164.212 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 24697

Ion	Ratio	Lower	Upper
41	100		
39	61.7	52.2	78.4
67	93.3	74.9	112.3
52	35.5	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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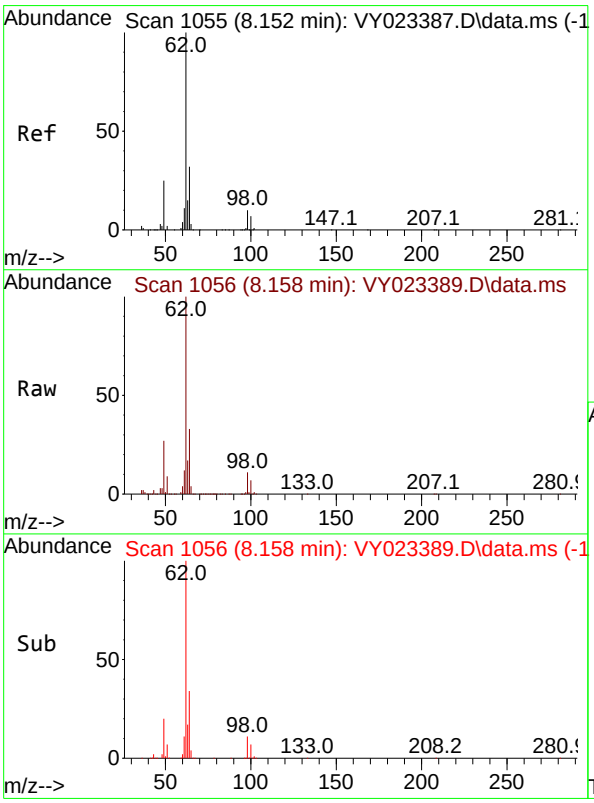
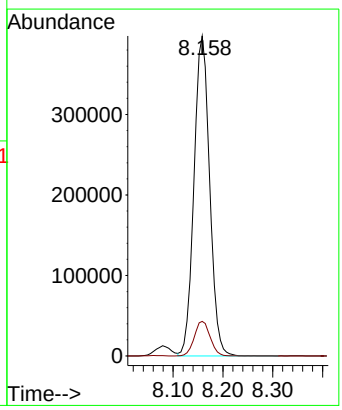
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

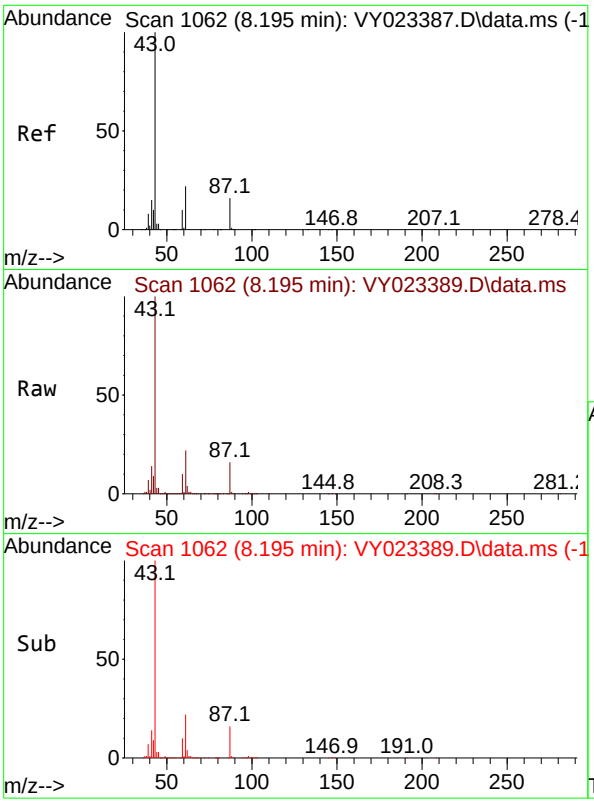


#42
1,2-Dichloroethane
Concen: 149.063 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 62 Resp: 866250

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.6

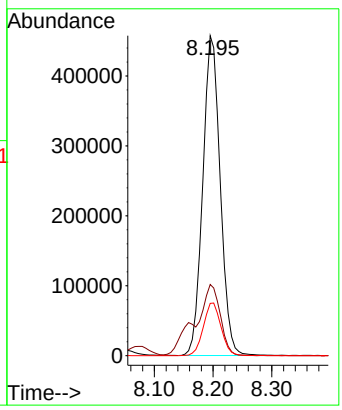




#43
Isopropyl Acetate
Concen: 167.955 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 94608

Ion	Ratio	Lower	Upper
43	100		
61	22.6	18.1	27.1
87	16.7	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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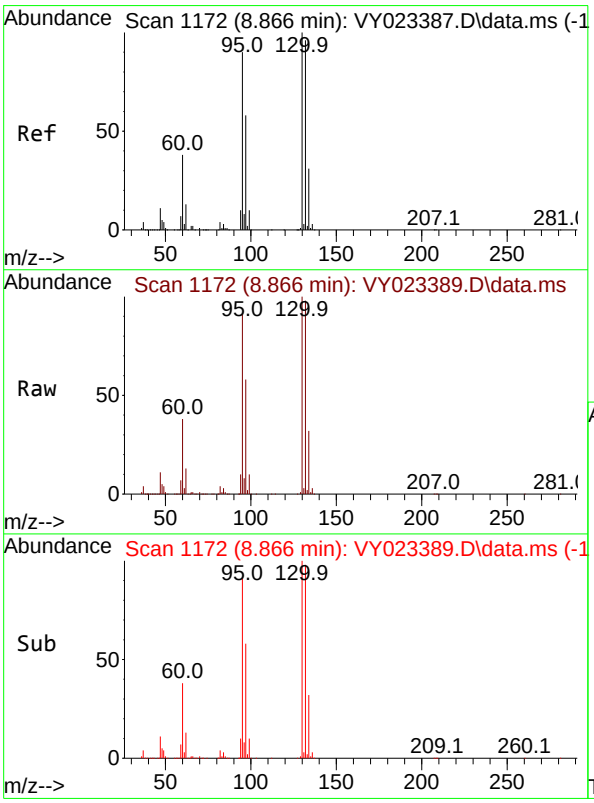
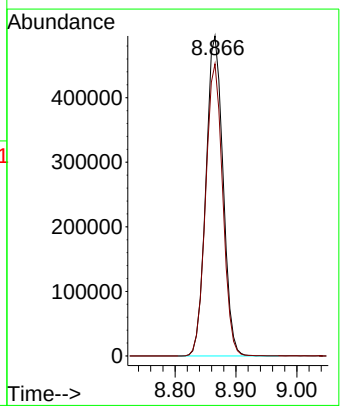
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

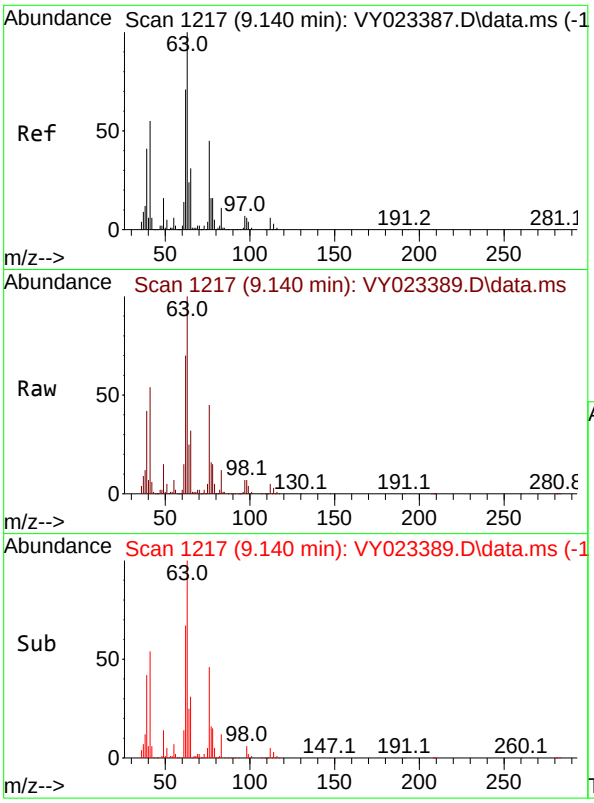


#44
Trichloroethene
Concen: 150.740 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:130 Resp: 966011

Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	180.6

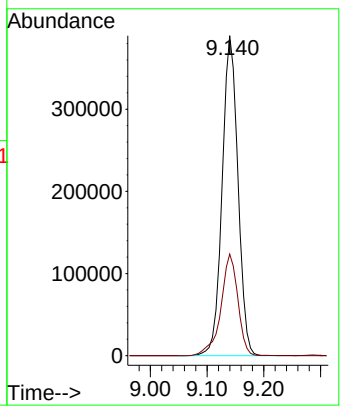




#45
1,2-Dichloropropane
Concen: 146.403 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 75228

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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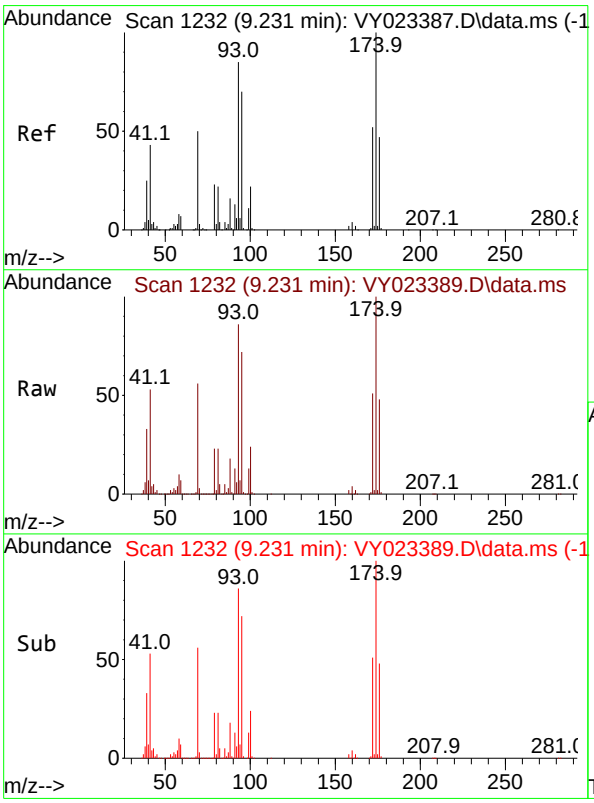
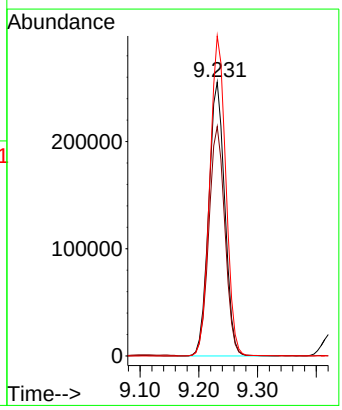
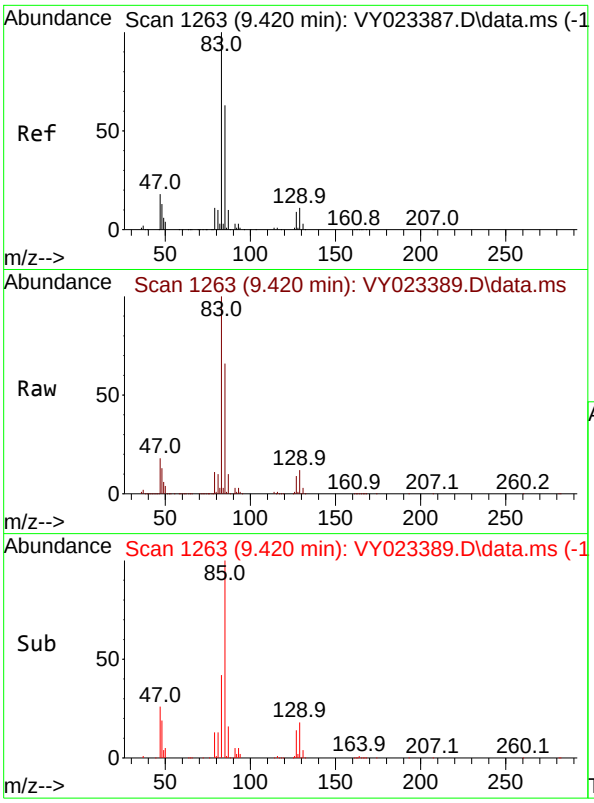


#46
Dibromomethane
Concen: 153.895 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 93 Resp: 483702

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.4	98.0
174	116.7	92.9	139.3

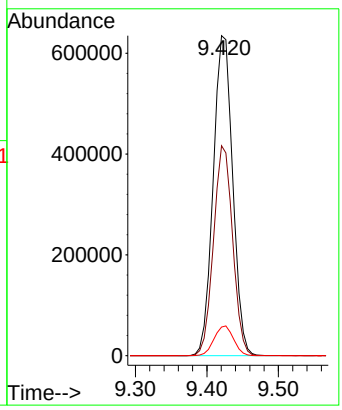




#47
Bromodichloromethane
Concen: 151.965 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 120224

Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.8	76.2
127	9.0	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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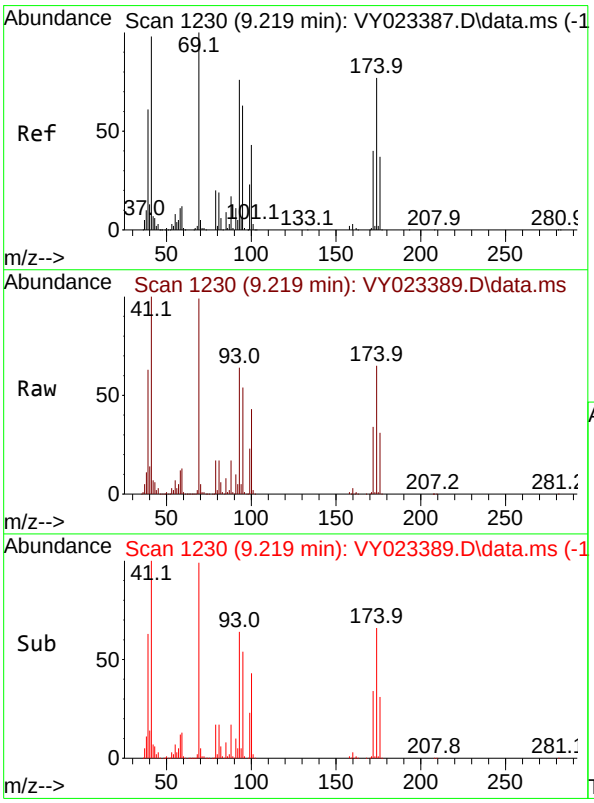
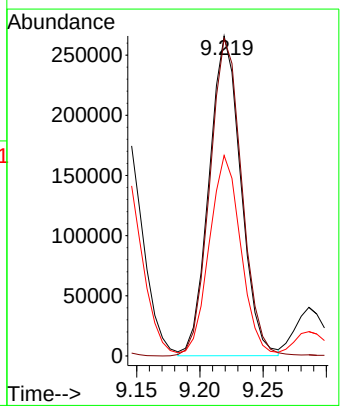
Supervised By :Mahesh Dadoda 10/10/2025

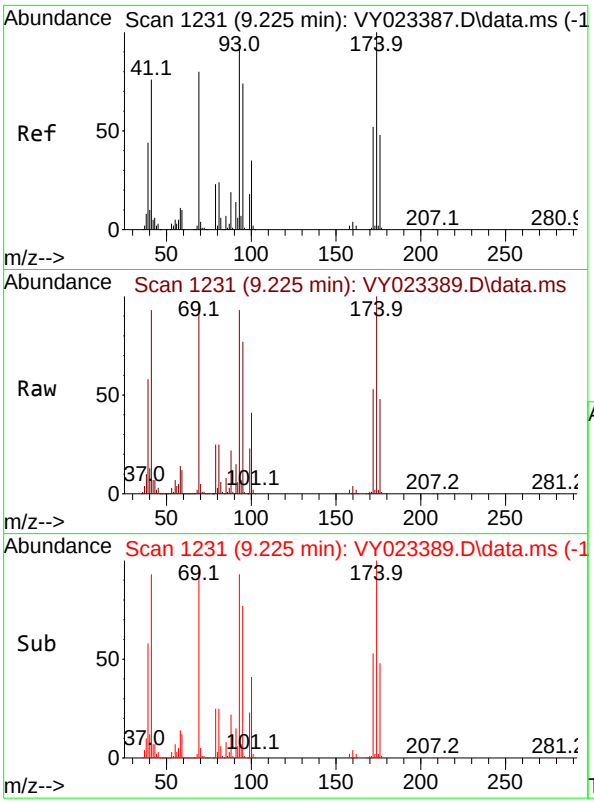


#48
Methyl methacrylate
Concen: 176.368 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 463614

Ion	Ratio	Lower	Upper
41	100		
69	100.4	81.0	121.4
39	60.3	48.2	72.4





#49
1,4-Dioxane
Concen: 3809.726 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 88 Resp: 12399

Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.8	32.8
58	62.1	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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Reviewed By :Semsettin Yesilyurt 10/10/2025
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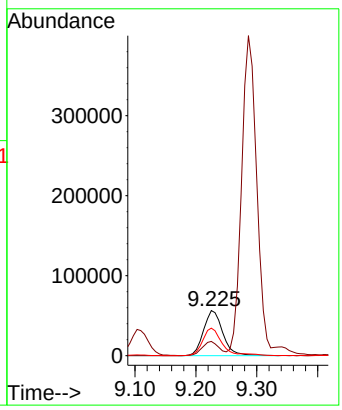
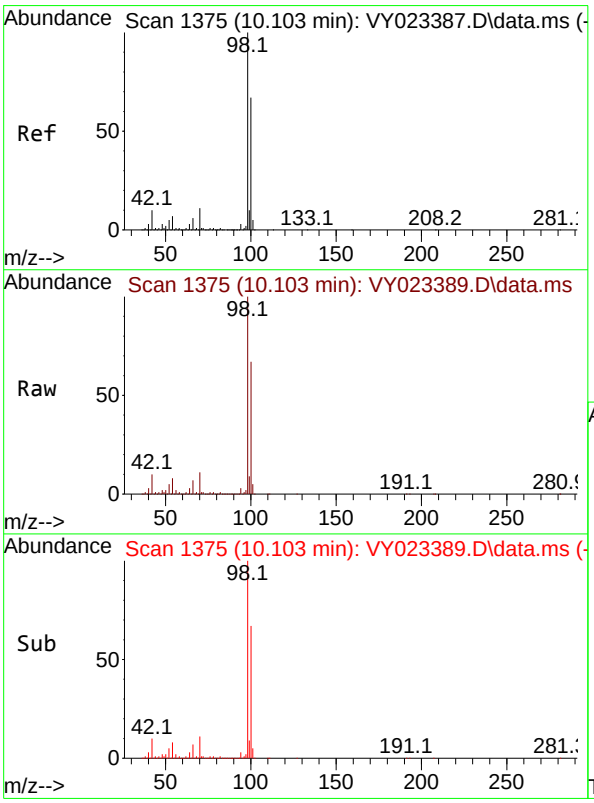
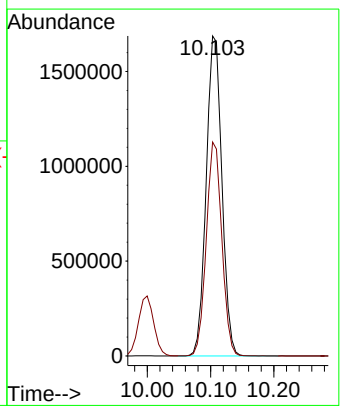


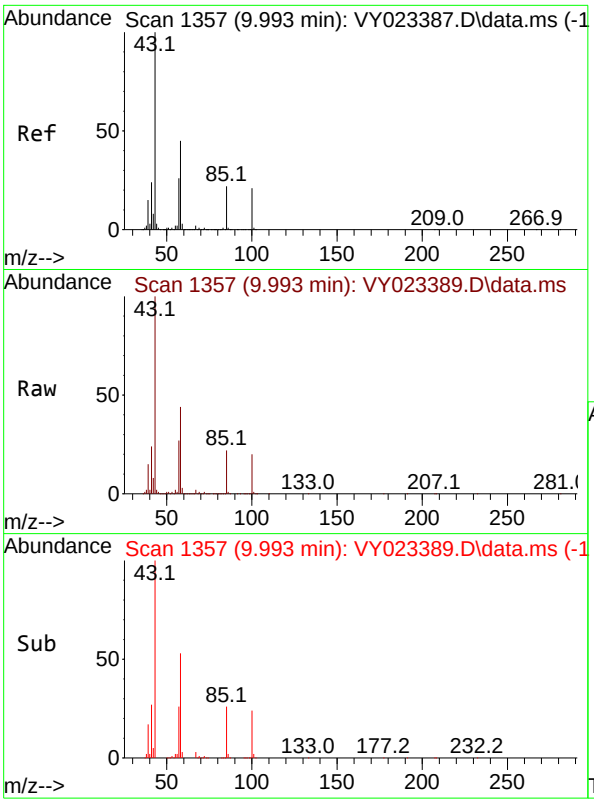


#50
Toluene-d8
Concen: 148.741 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 98 Resp: 2912319

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 872.045 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 251610

Ion	Ratio	Lower	Upper
43	100		
58	44.1	35.3	52.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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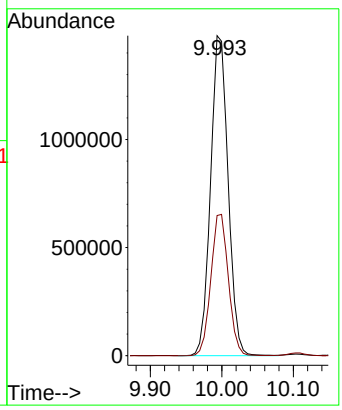
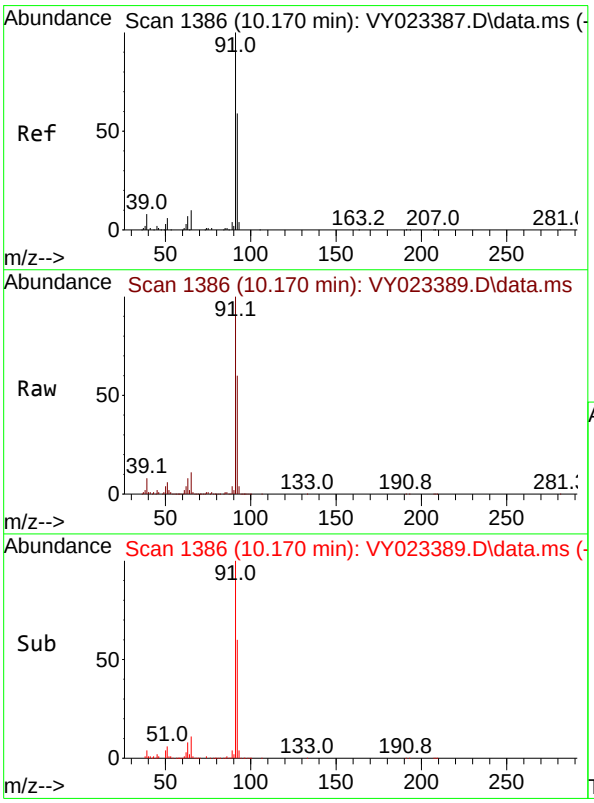
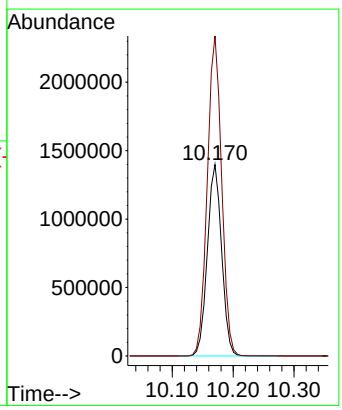


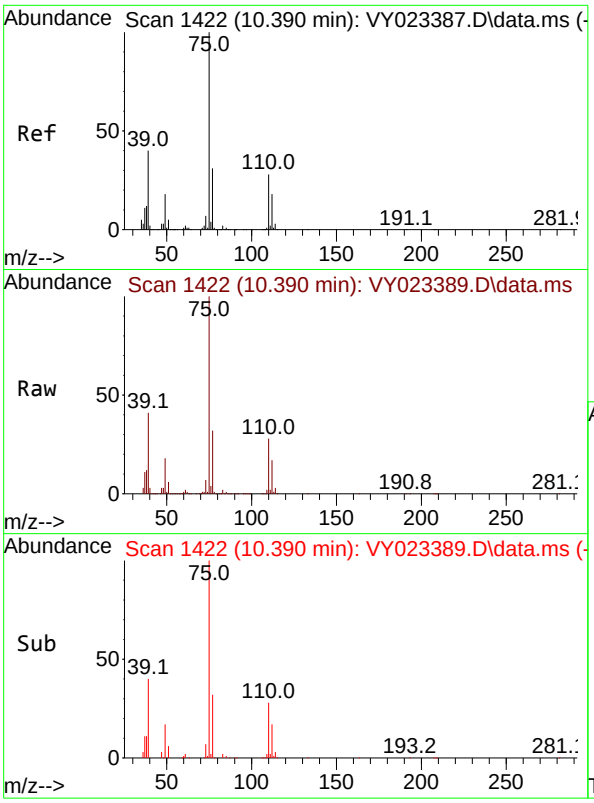


#52
Toluene
Concen: 156.786 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 92 Resp: 2272574

Ion	Ratio	Lower	Upper
92	100		
91	168.3	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 165.367 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 112364

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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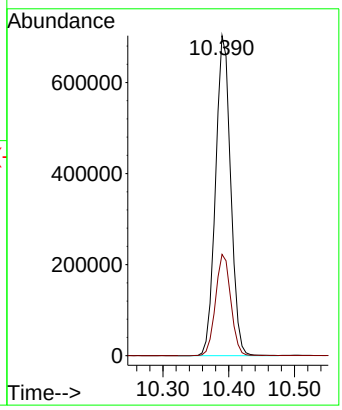
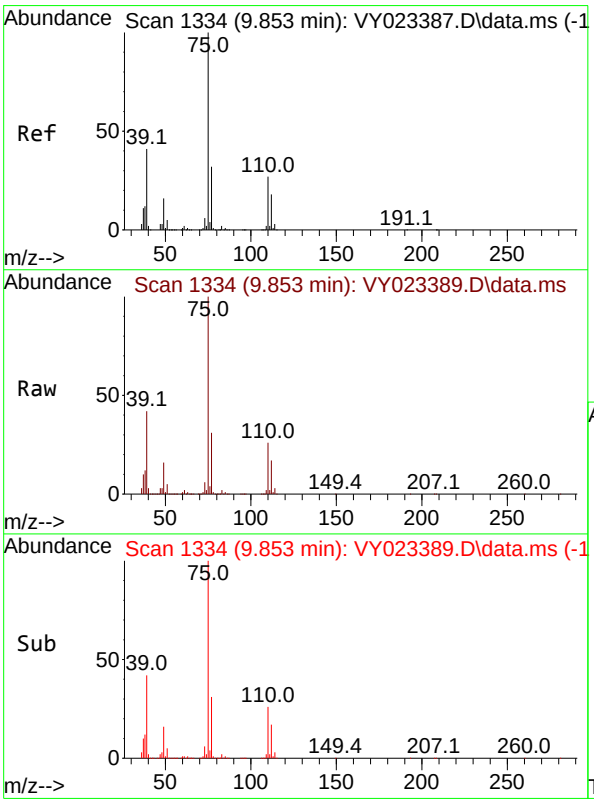
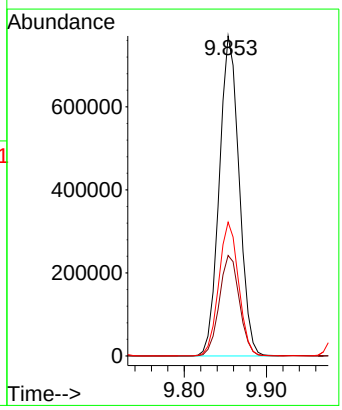


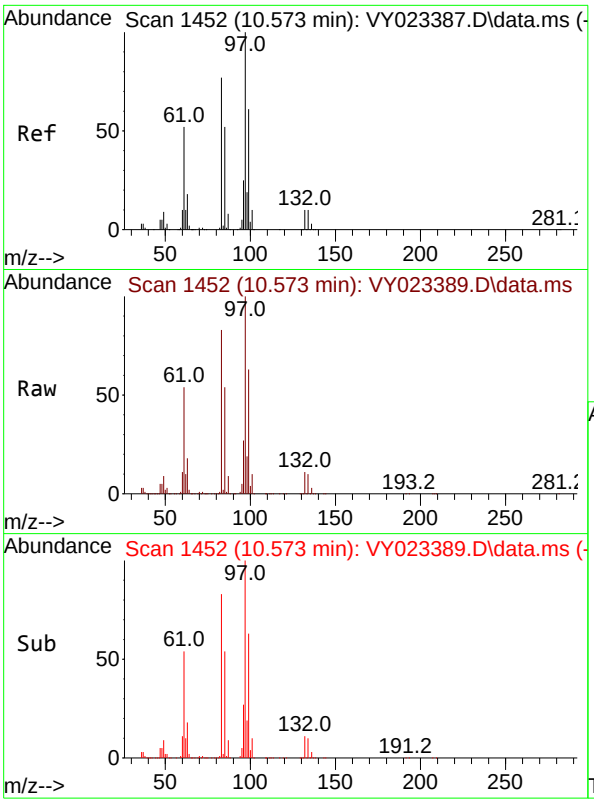


#54
cis-1,3-Dichloropropene
Concen: 159.654 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 1296713

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	41.7	32.8	49.2

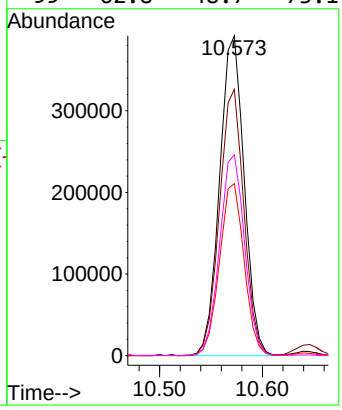




#55
1,1,2-Trichloroethane
Concen: 156.020 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 97 Resp: 65224

Ion	Ratio	Lower	Upper
97	100		
83	83.2	61.8	92.6
85	53.7	41.3	61.9
99	62.8	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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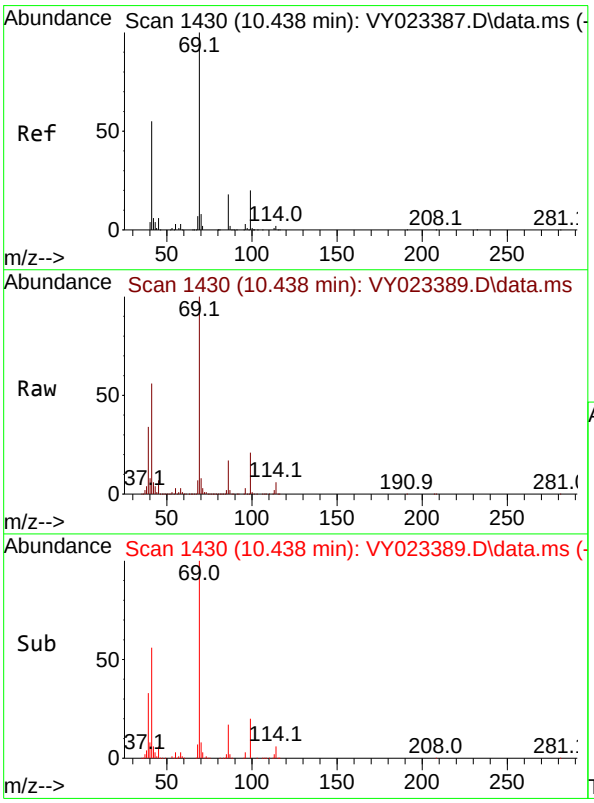
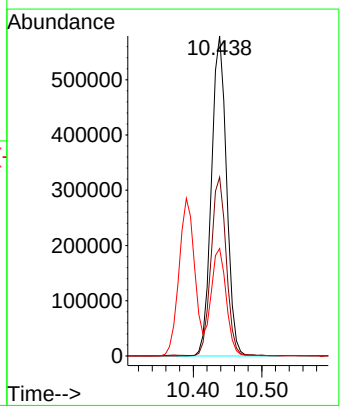
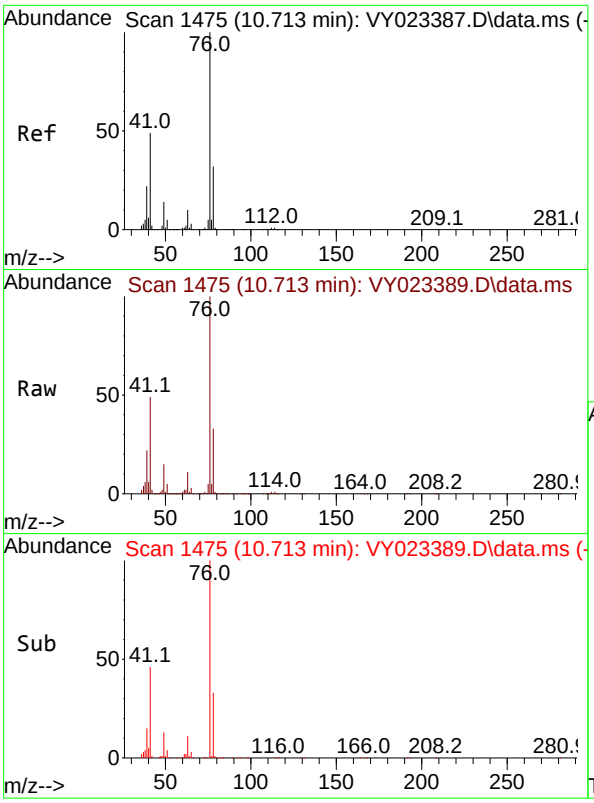


#56
Ethyl methacrylate
Concen: 184.048 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 69 Resp: 886127

Ion	Ratio	Lower	Upper
69	100		
41	56.0	44.6	67.0
39	33.6	27.0	40.4

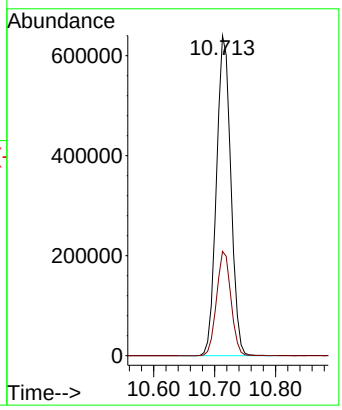




#57
1,3-Dichloropropane
Concen: 155.122 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 76 Resp: 104959

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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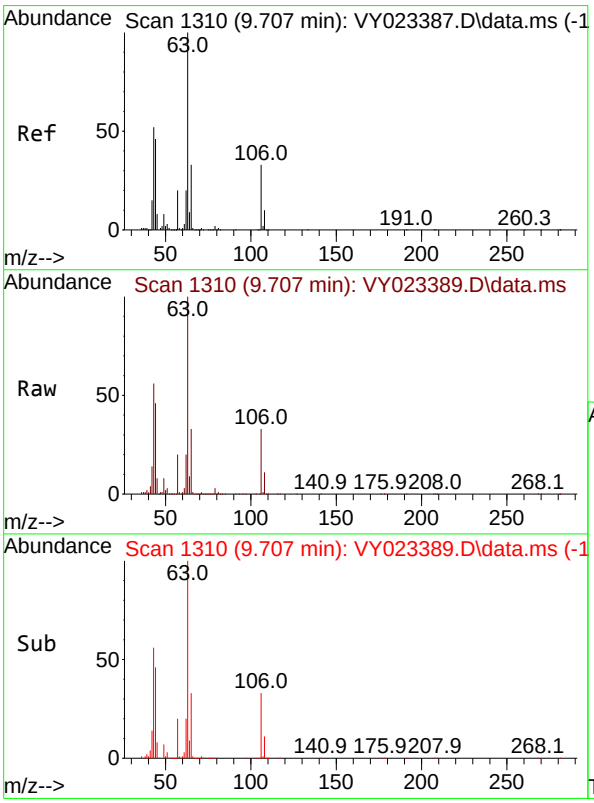
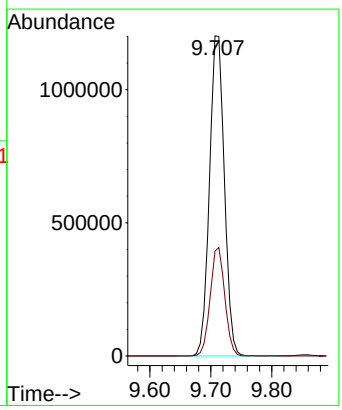
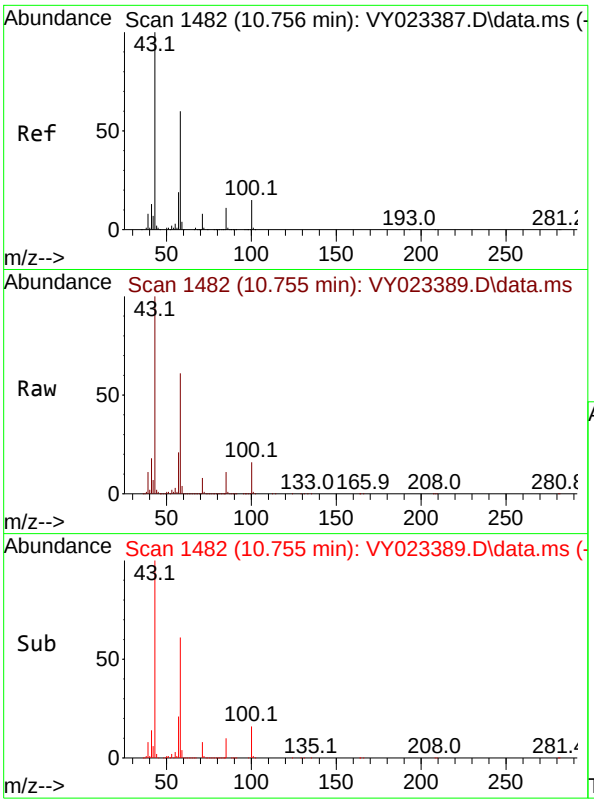


#58
2-Chloroethyl Vinyl ether
Concen: 968.559 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 2040136

Ion	Ratio	Lower	Upper
63	100		
106	33.2	26.6	39.8





#59
2-Hexanone
Concen: 889.038 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 177603

Ion	Ratio	Lower	Upper
43	100		
58	61.4	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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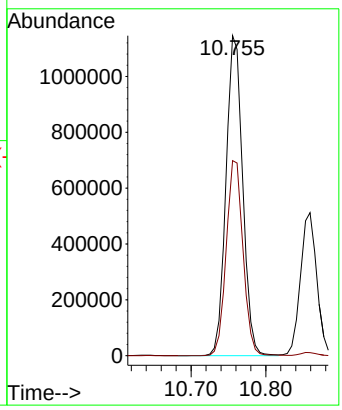
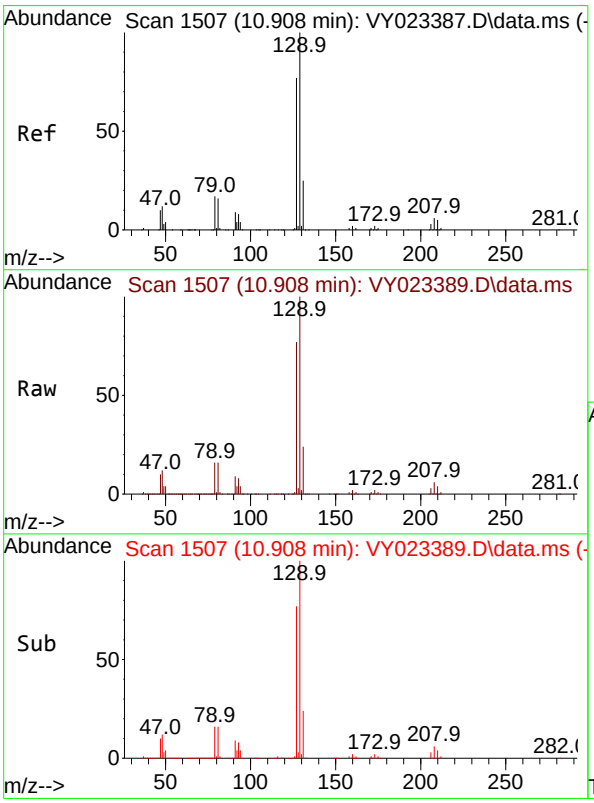
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

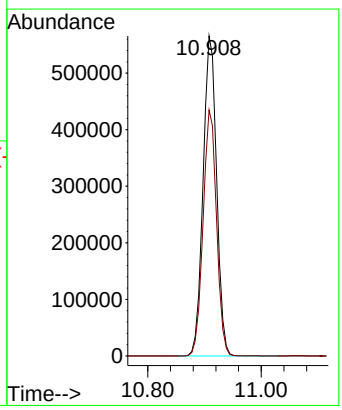


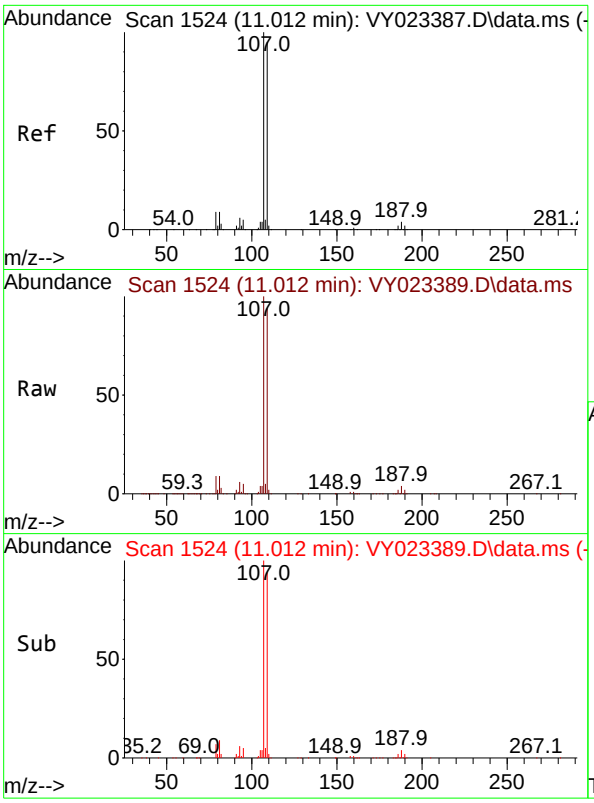


#60
Dibromochloromethane
Concen: 164.084 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:129 Resp: 935577

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.7

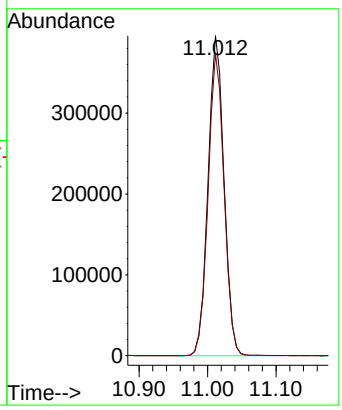




#61
1,2-Dibromoethane
Concen: 162.699 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:107 Resp: 63989

Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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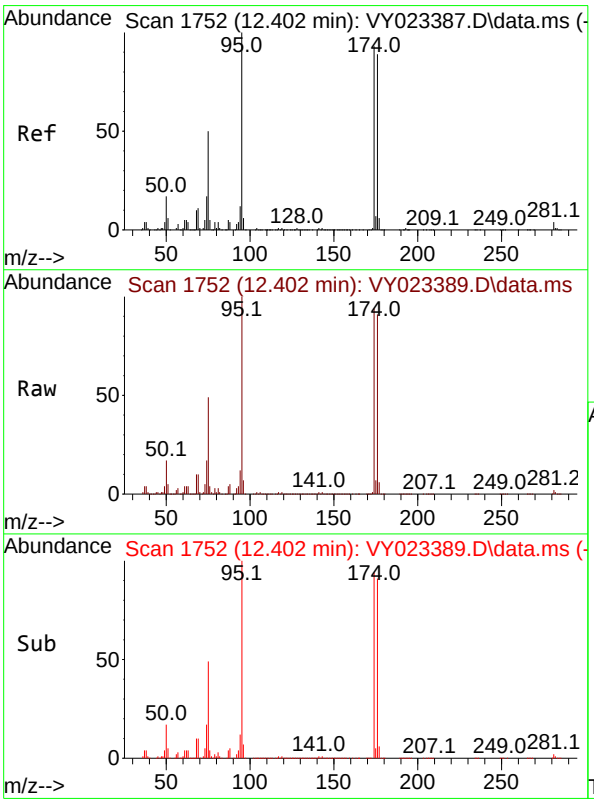
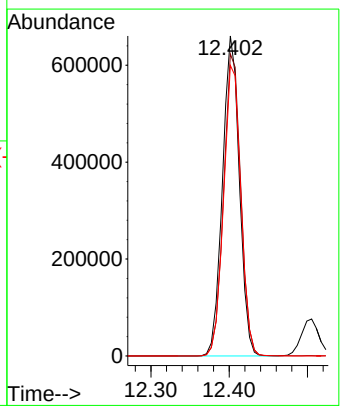
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

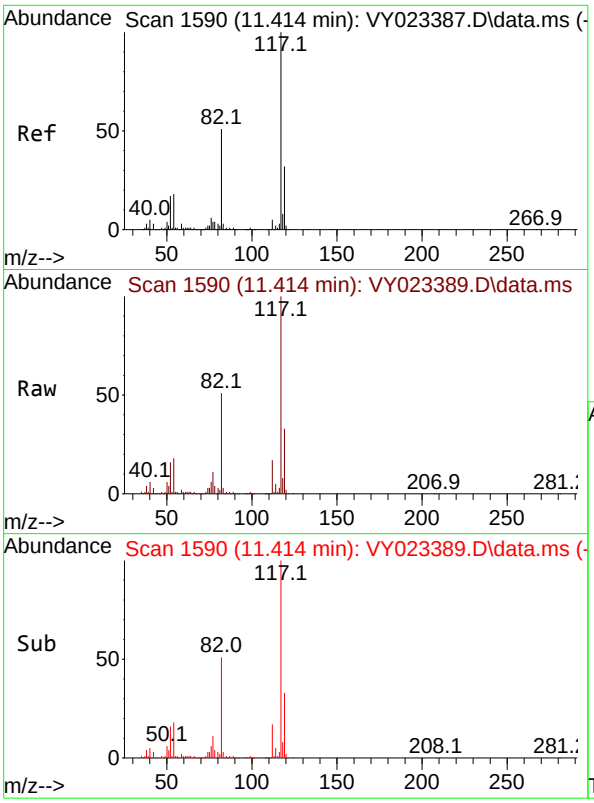


#62
4-Bromofluorobenzene
Concen: 160.423 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 95 Resp: 990964

Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	192.8
176	92.8	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:117 Resp: 76535

Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.0	61.4
119	33.3	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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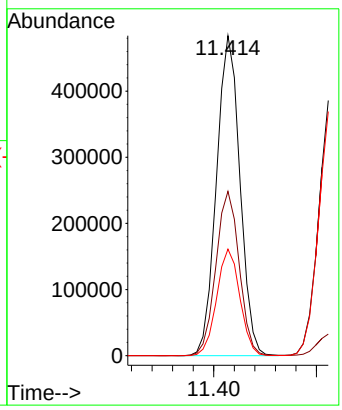
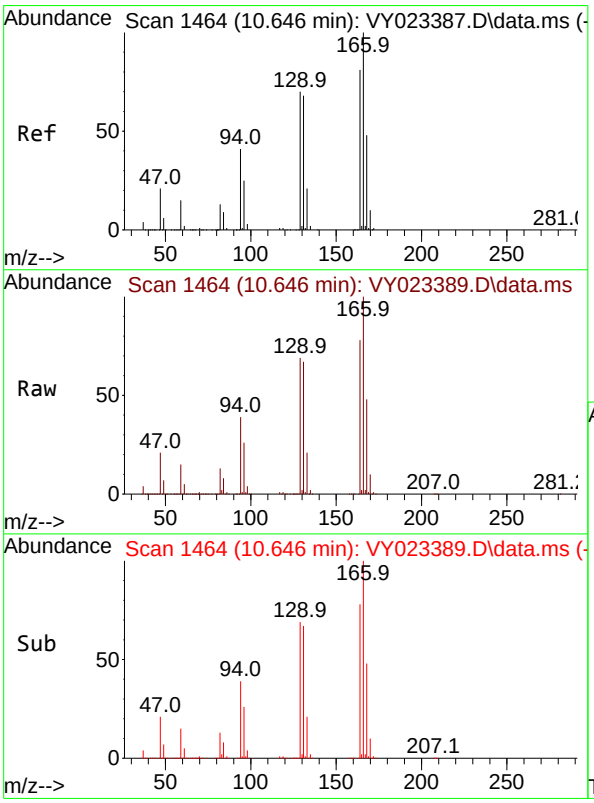
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

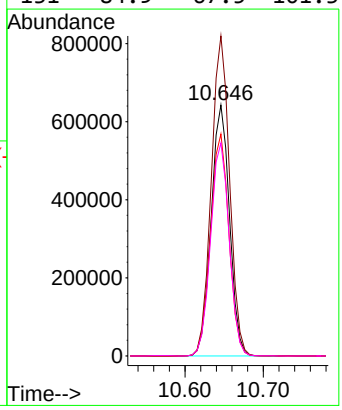


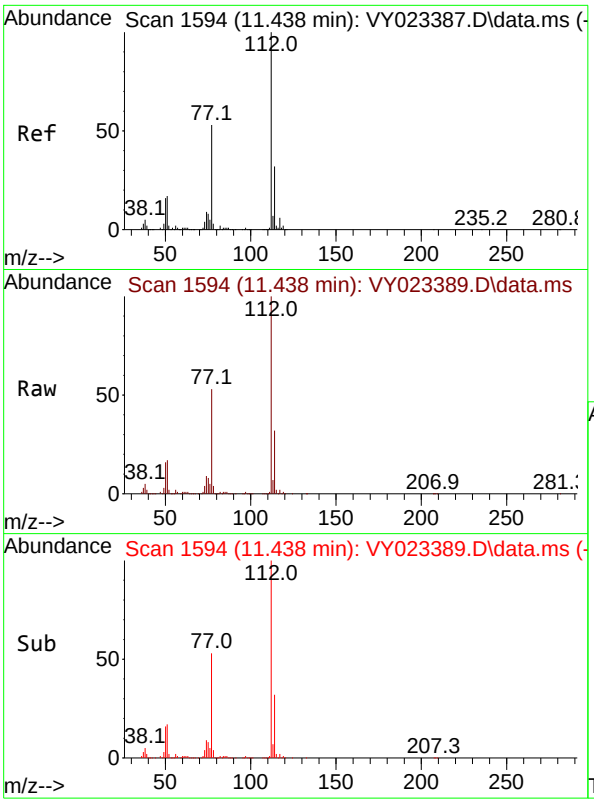


#64
Tetrachloroethene
Concen: 136.739 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:164 Resp: 1046931

Ion	Ratio	Lower	Upper
164	100		
166	127.5	99.4	149.0
129	88.4	69.4	104.2
131	84.9	67.5	101.3

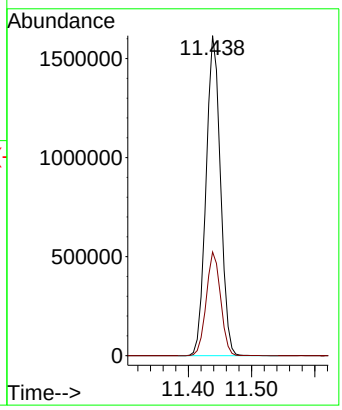




#65
Chlorobenzene
Concen: 154.117 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:112 Resp: 256317

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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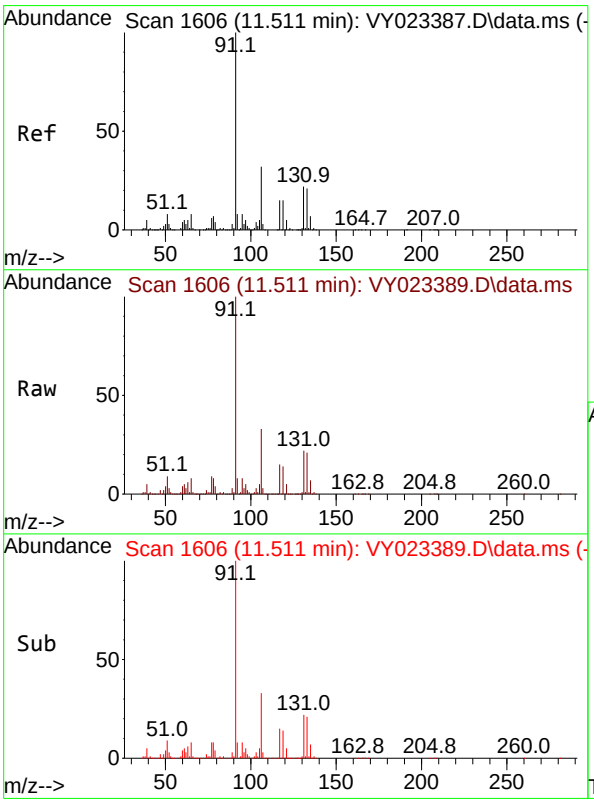
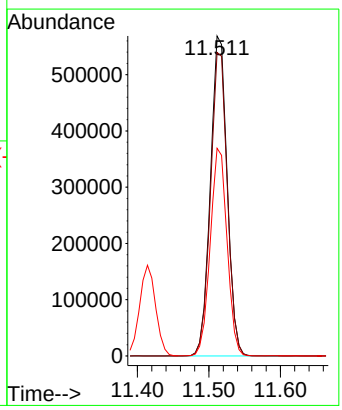
Supervised By :Mahesh Dadoda 10/10/2025

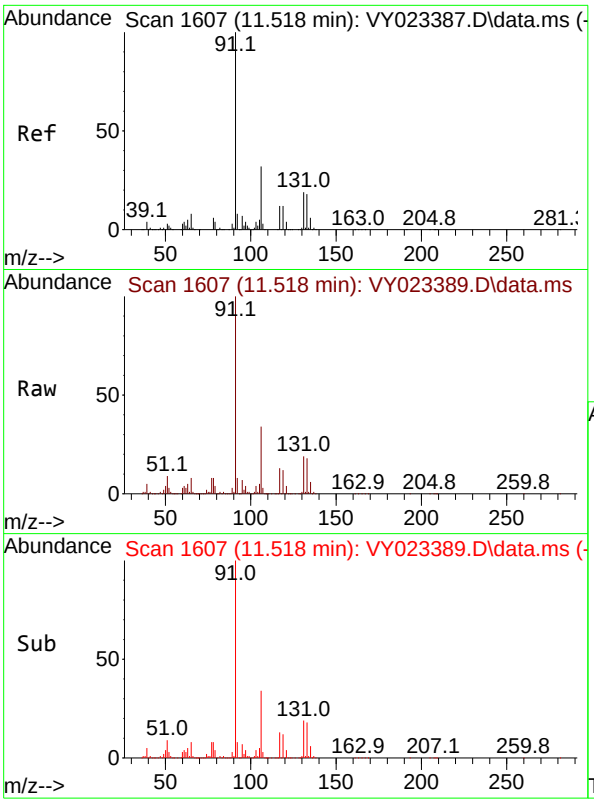


#66
1,1,1,2-Tetrachloroethane
Concen: 157.870 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:131 Resp: 923367

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.4	145.2
119	65.2	32.4	97.2





#67
Ethyl Benzene
Concen: 159.957 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 434180

Ion	Ratio	Lower	Upper
91	100		
106	33.8	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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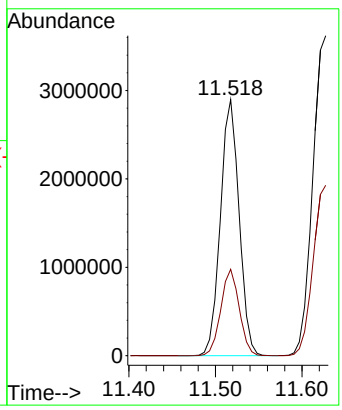
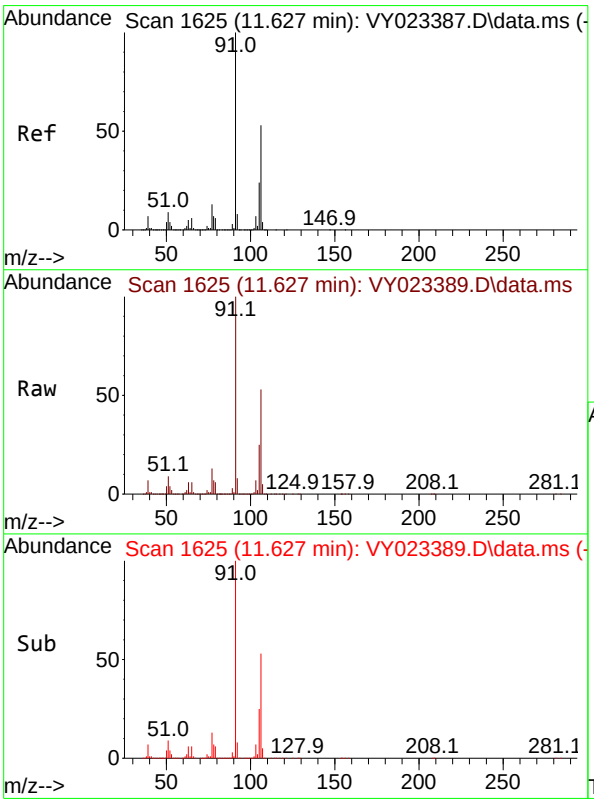
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

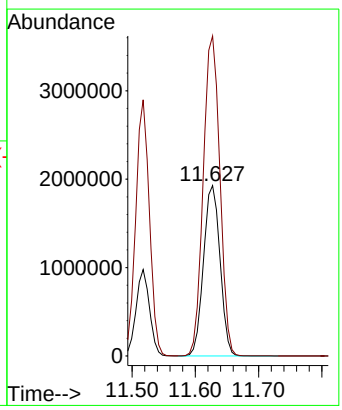


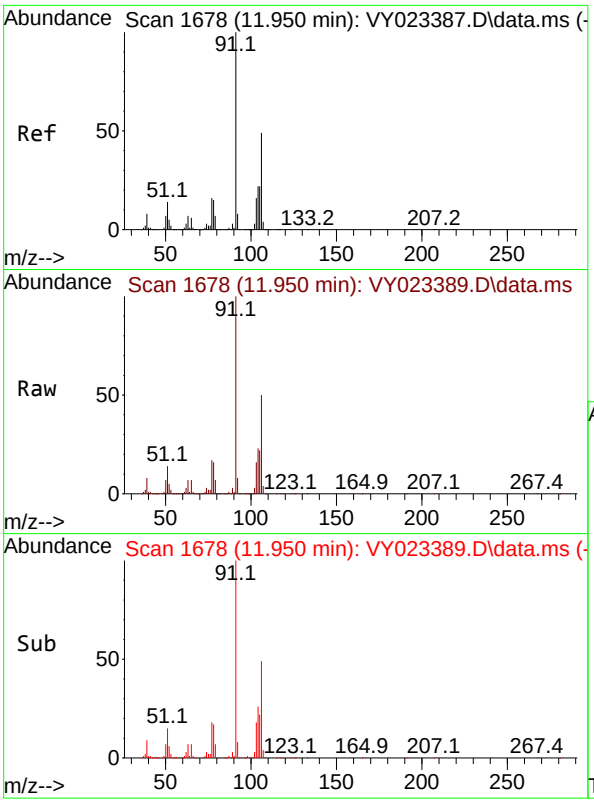


#68
m/p-Xylenes
Concen: 321.899 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:106 Resp: 3502137

Ion	Ratio	Lower	Upper
106	100		
91	189.2	152.6	229.0

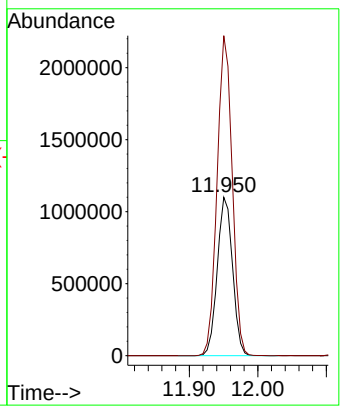




#69
o-Xylene
Concen: 168.295 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:106 Resp: 169498

Ion	Ratio	Lower	Upper
106	100		
91	200.0	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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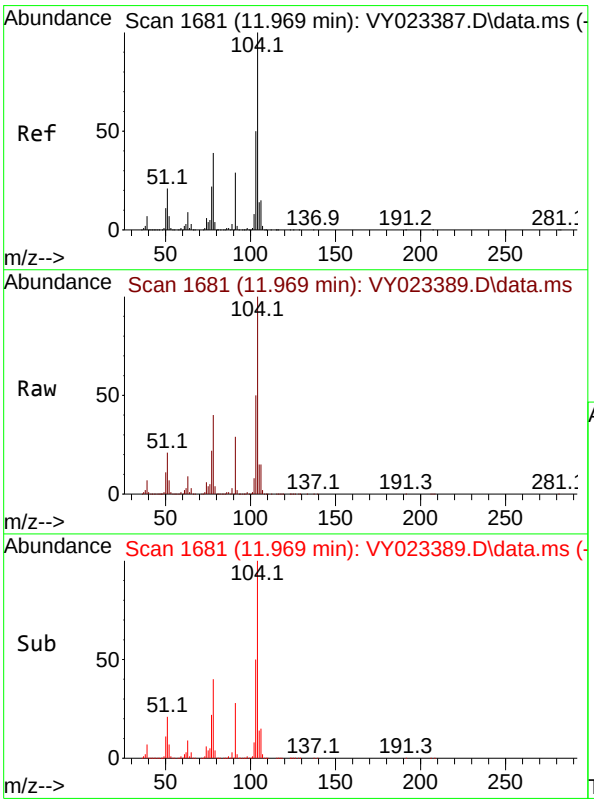
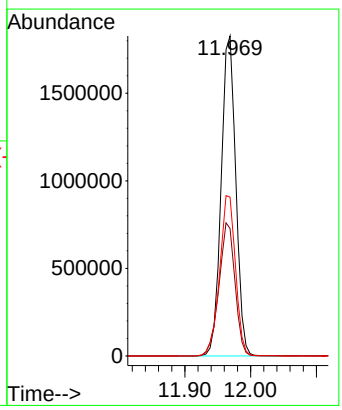
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

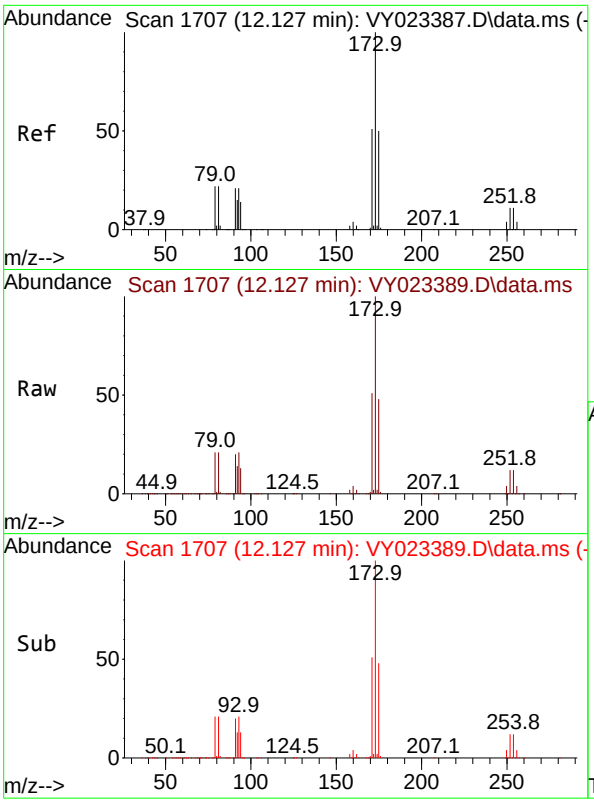


#70
Styrene
Concen: 170.203 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:104 Resp: 2830398

Ion	Ratio	Lower	Upper
104	100		
78	45.5	36.1	54.1
103	54.3	43.2	64.8

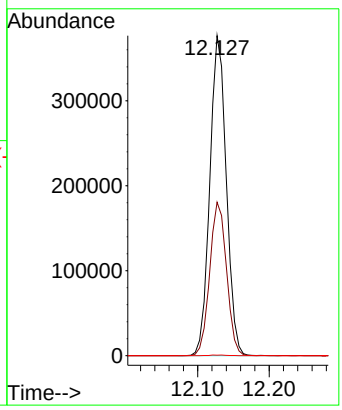




#71
Bromoform
Concen: 172.115 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:173 Resp: 60264

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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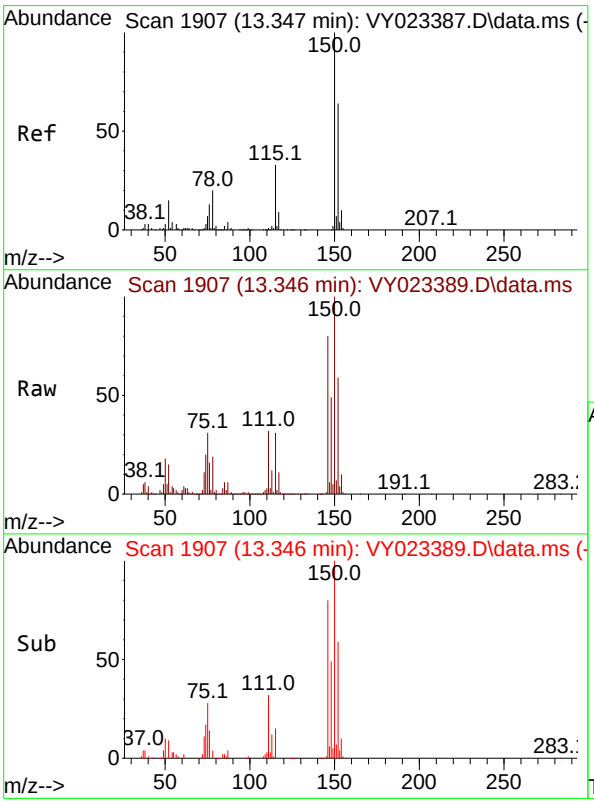
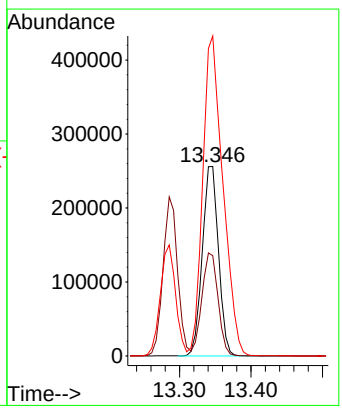
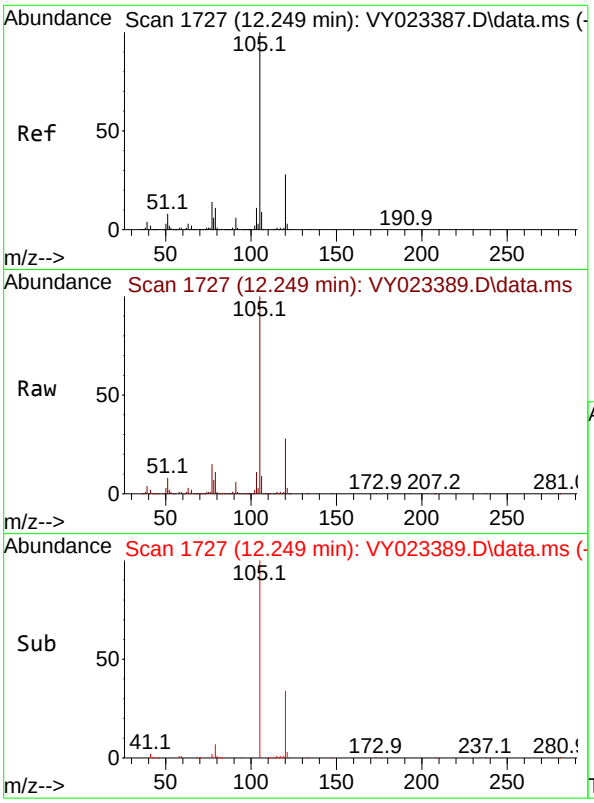


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:152 Resp: 402368

Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.2
150	210.4	0.0	347.4

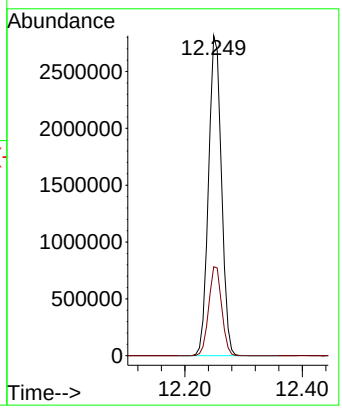




#73
Isopropylbenzene
Concen: 160.084 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 429066

Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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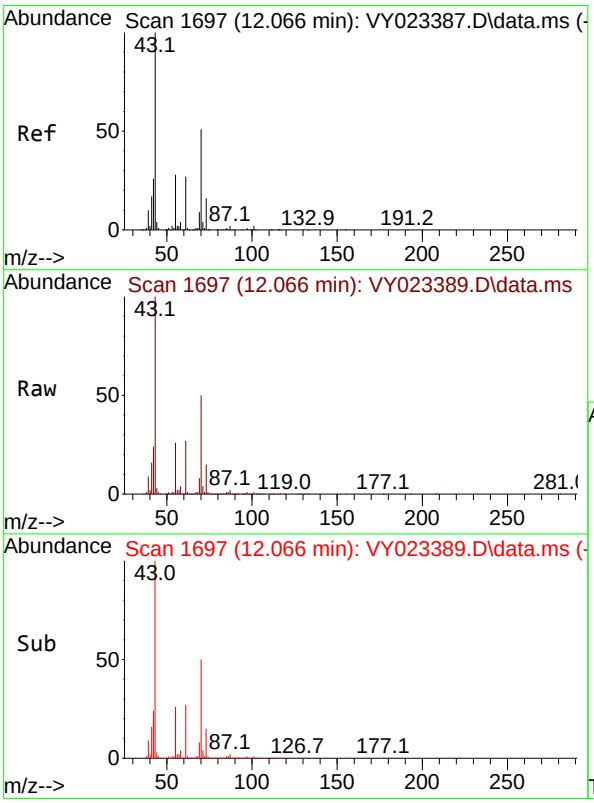
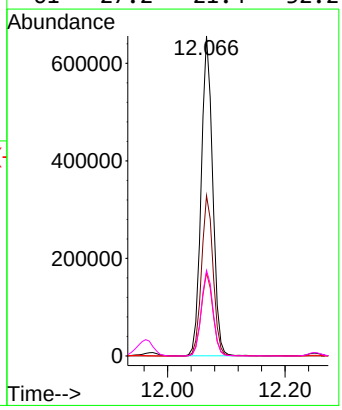
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

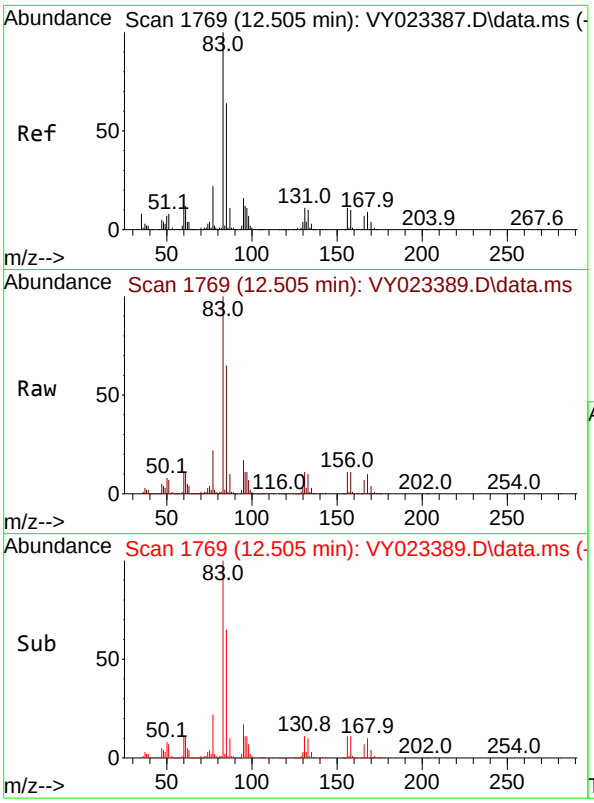


#74
N-amyl acetate
Concen: 177.866 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 890882

Ion	Ratio	Lower	Upper
43	100		
70	50.6	41.1	61.7
55	26.4	23.0	34.6
61	27.2	21.4	32.2

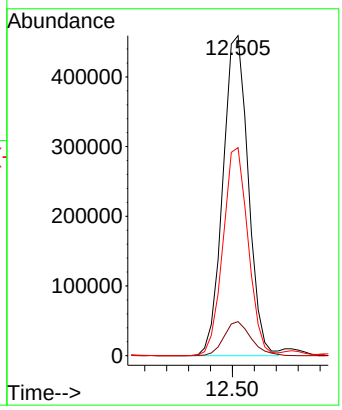




#75
1,1,2,2-Tetrachloroethane
Concen: 165.010 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 73777

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.9	17.6
85	64.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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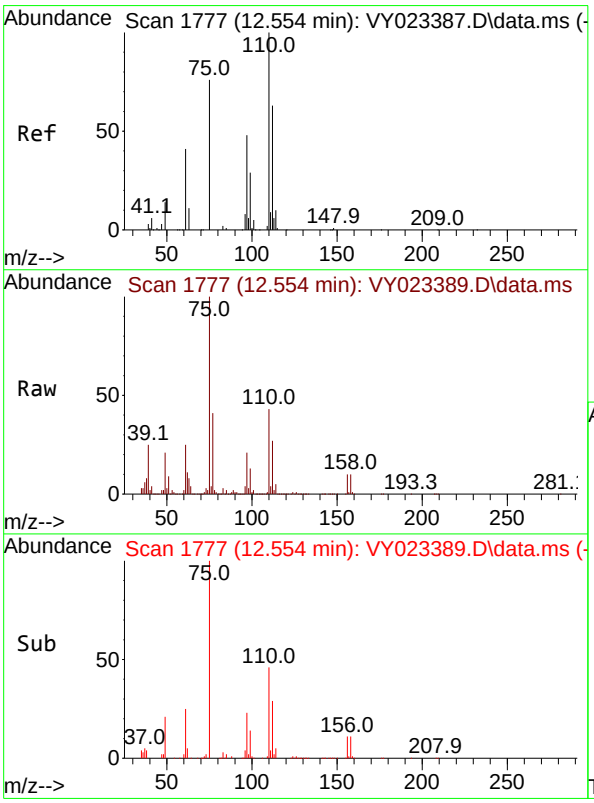
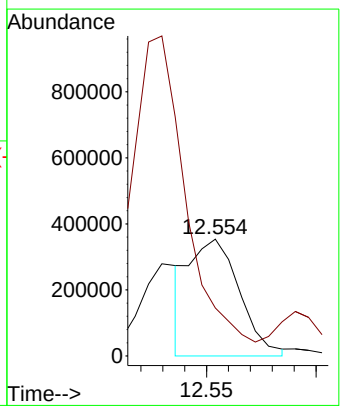
Supervised By :Mahesh Dadoda 10/10/2025

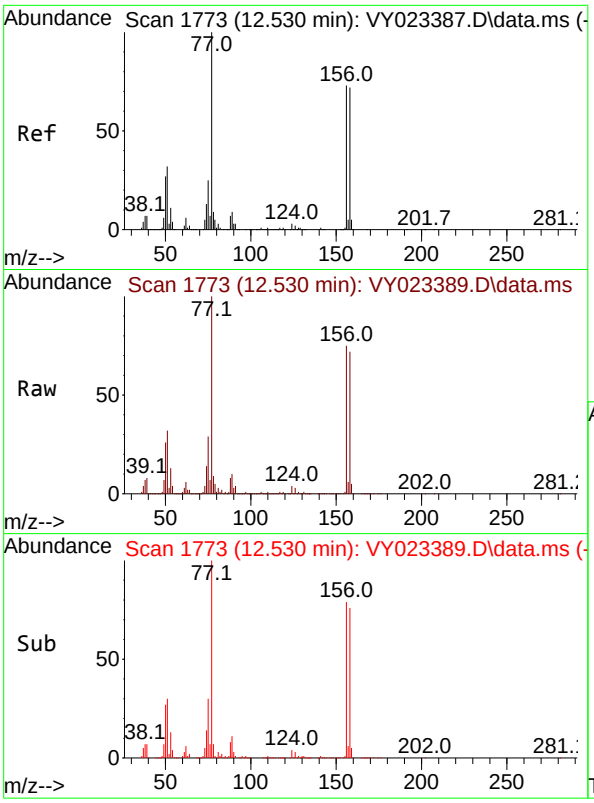


#76
1,2,3-Trichloropropane
Concen: 142.542 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 565754

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

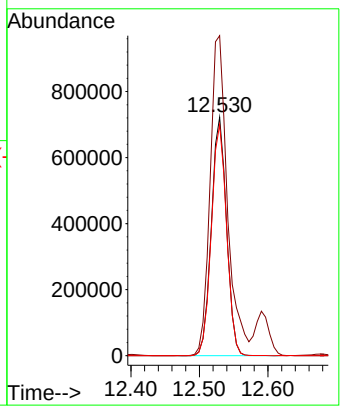




#77
Bromobenzene
Concen: 161.555 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:156 Resp: 111131

Ion	Ratio	Lower	Upper
156	100		
77	153.9	76.8	230.5
158	97.4	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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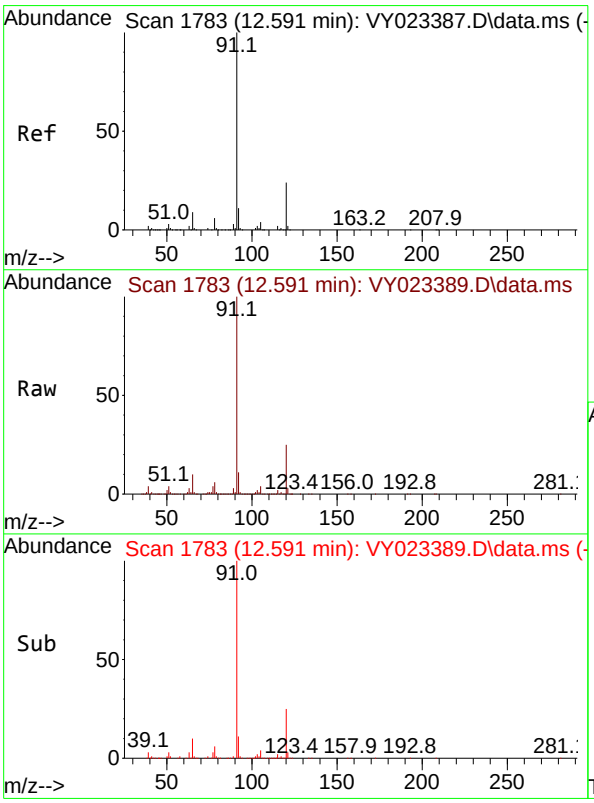
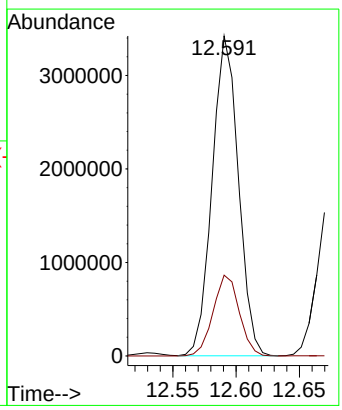
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

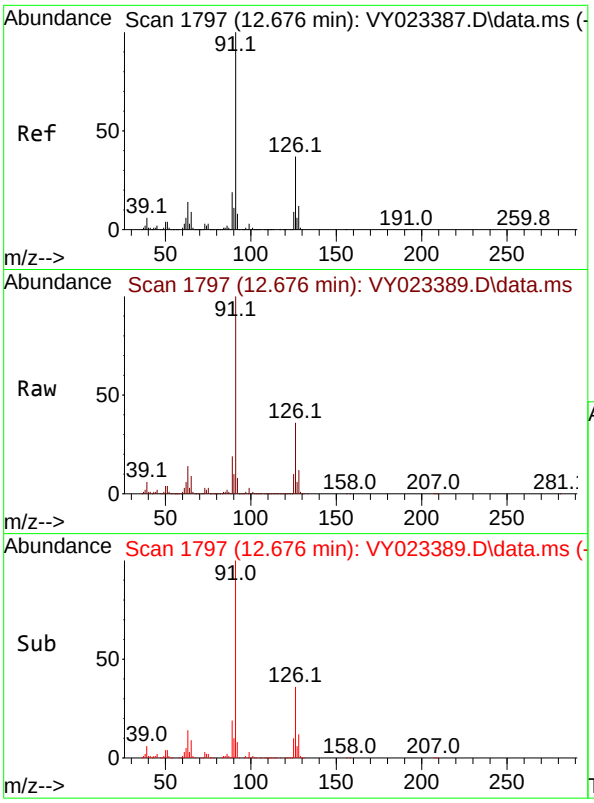


#78
n-propylbenzene
Concen: 156.465 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 4932015

Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8

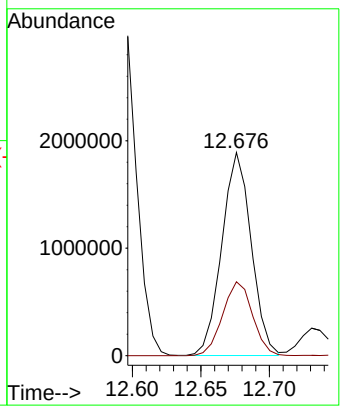




#79
2-Chlorotoluene
Concen: 155.063 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 282204

Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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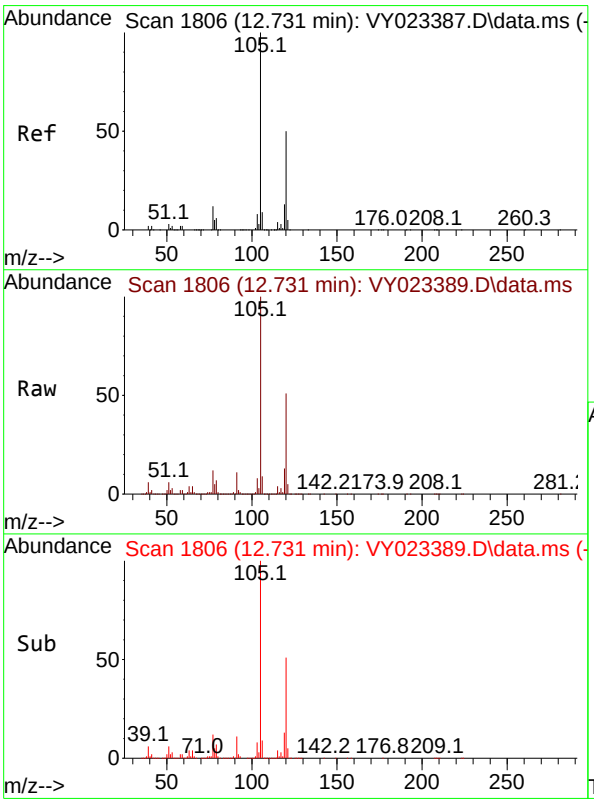
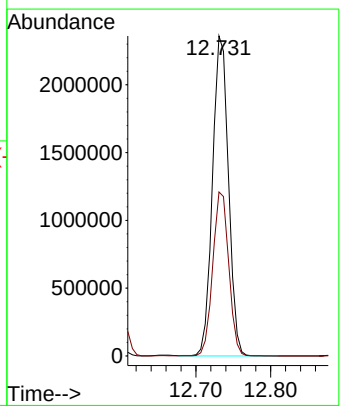
Supervised By :Mahesh Dadoda 10/10/2025

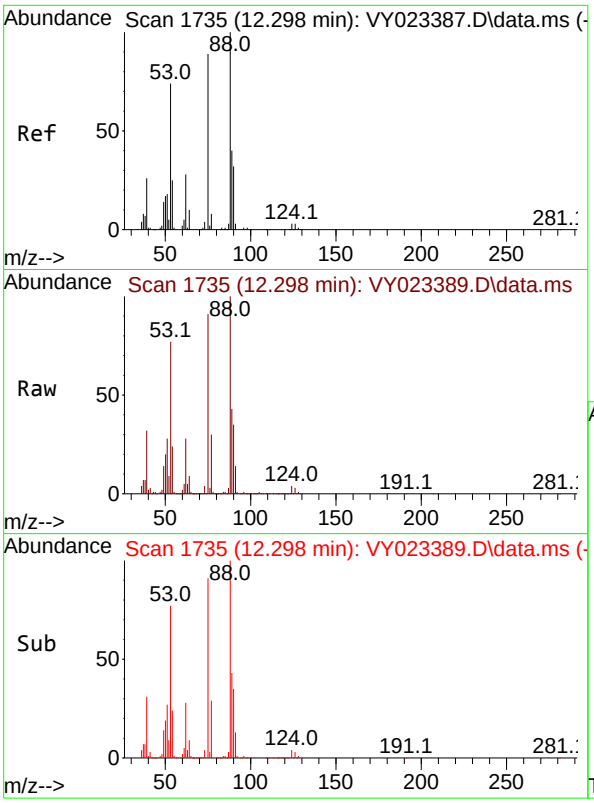


#80
1,3,5-Trimethylbenzene
Concen: 160.460 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 3496249

Ion	Ratio	Lower	Upper
105	100		
120	51.4	25.4	76.4

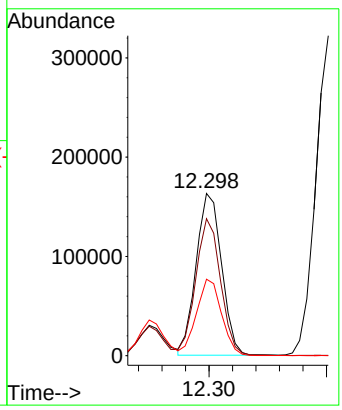




#81
trans-1,4-Dichloro-2-butene
Concen: 166.570 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 24519

Ion	Ratio	Lower	Upper
75	100		
53	83.6	68.6	102.8
89	46.8	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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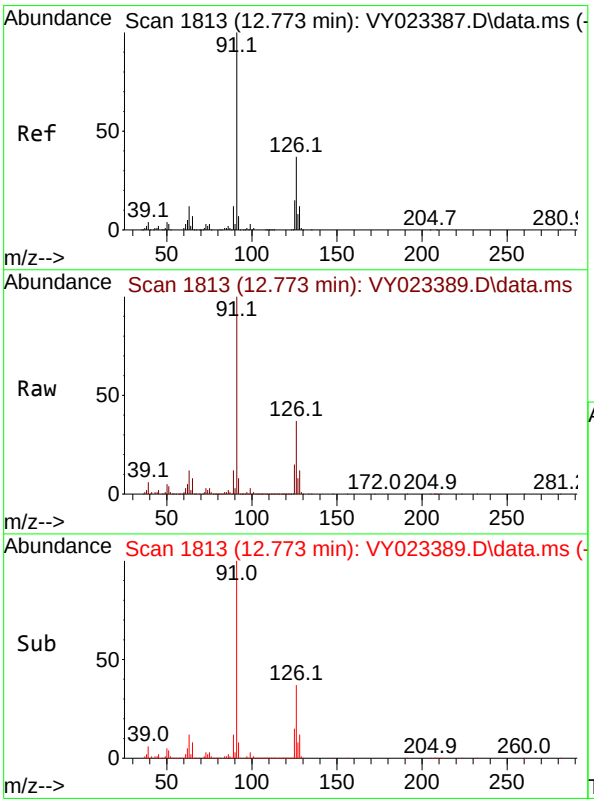
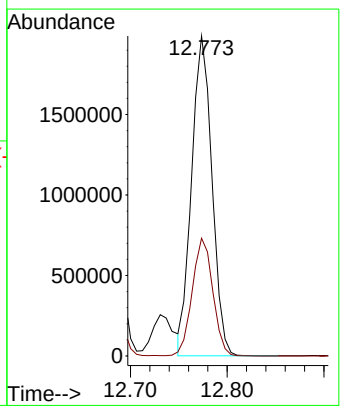
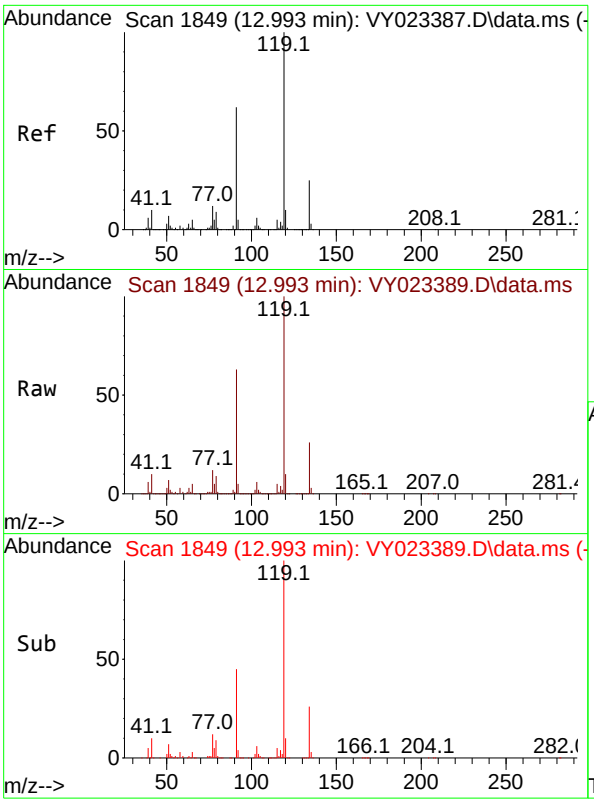


#82
4-Chlorotoluene
Concen: 152.701 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 2902371

Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.4	55.4





#83
tert-Butylbenzene
Concen: 162.197 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:119 Resp: 322038

Ion	Ratio	Lower	Upper
119	100		
91	61.6	29.9	89.8
134	27.4	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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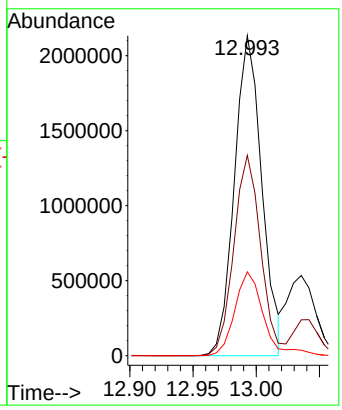
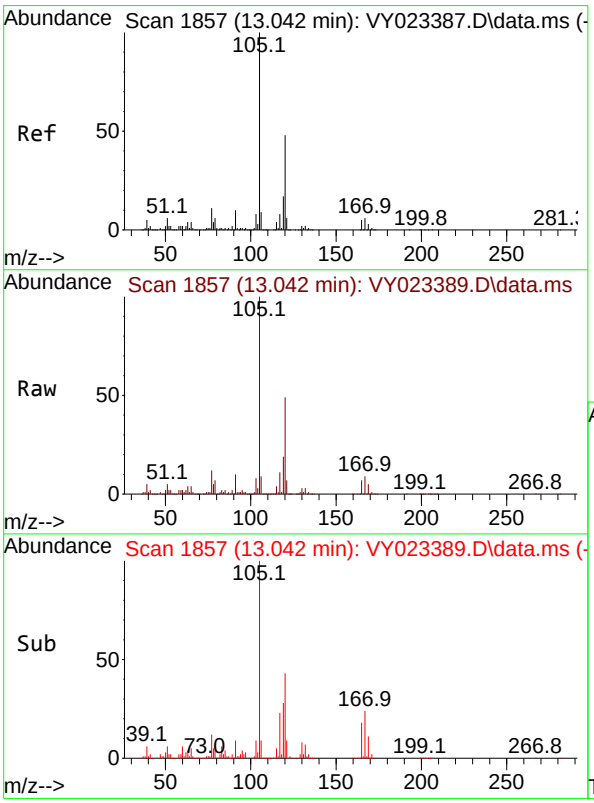
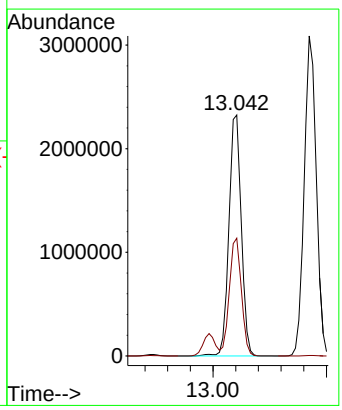


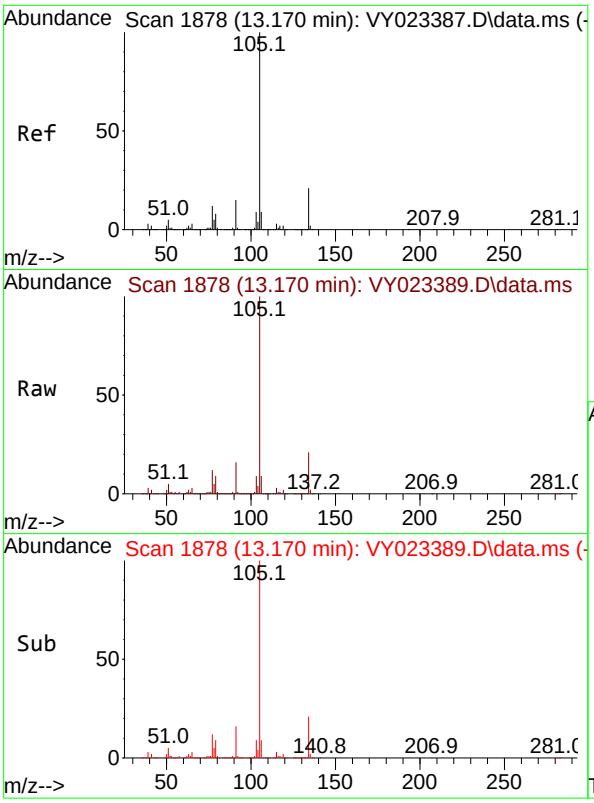


#84
1,2,4-Trimethylbenzene
Concen: 162.527 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 3503639

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.8	71.2

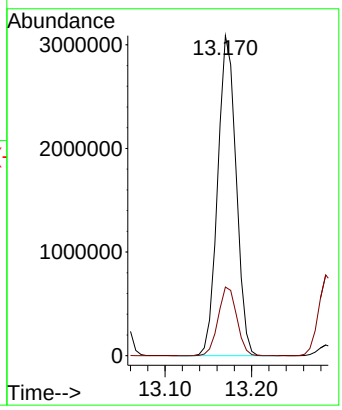




#85
sec-Butylbenzene
Concen: 158.609 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 456071

Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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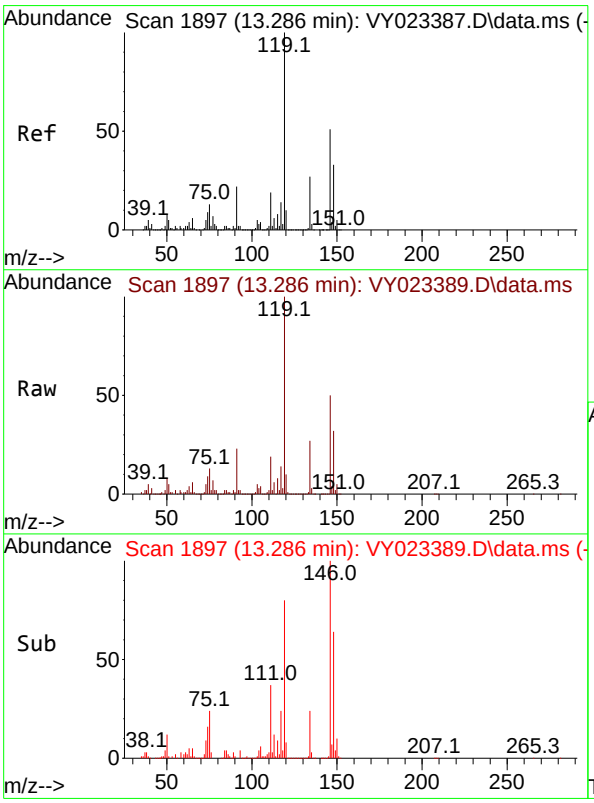
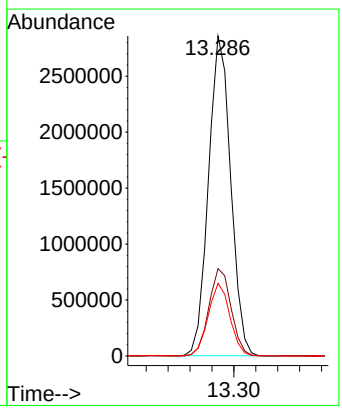
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

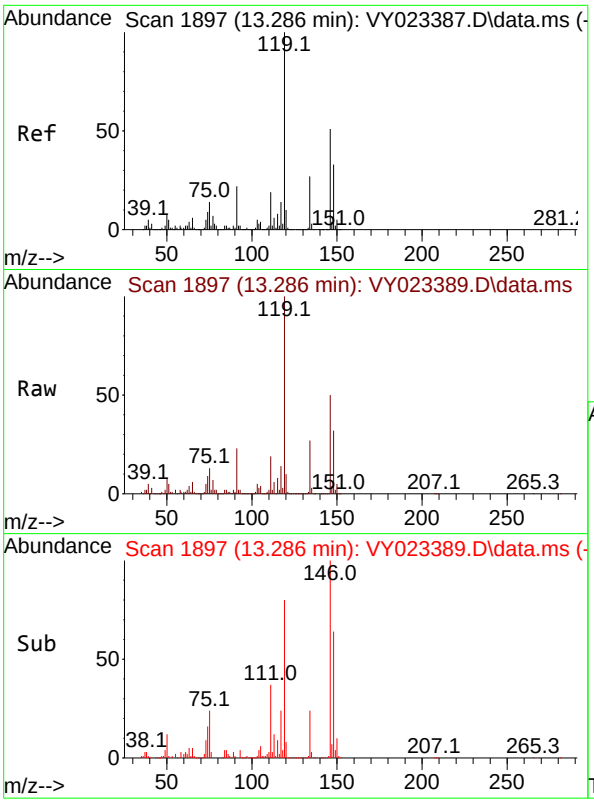


#86
p-Isopropyltoluene
Concen: 165.622 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:119 Resp: 4024712

Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.6	40.7
91	22.1	10.9	32.9





#87
1,3-Dichlorobenzene
Concen: 159.350 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:146 Resp: 216527

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.0	31.9	95.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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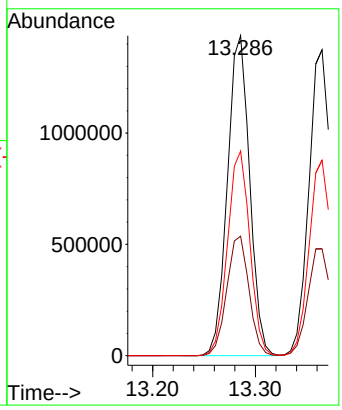
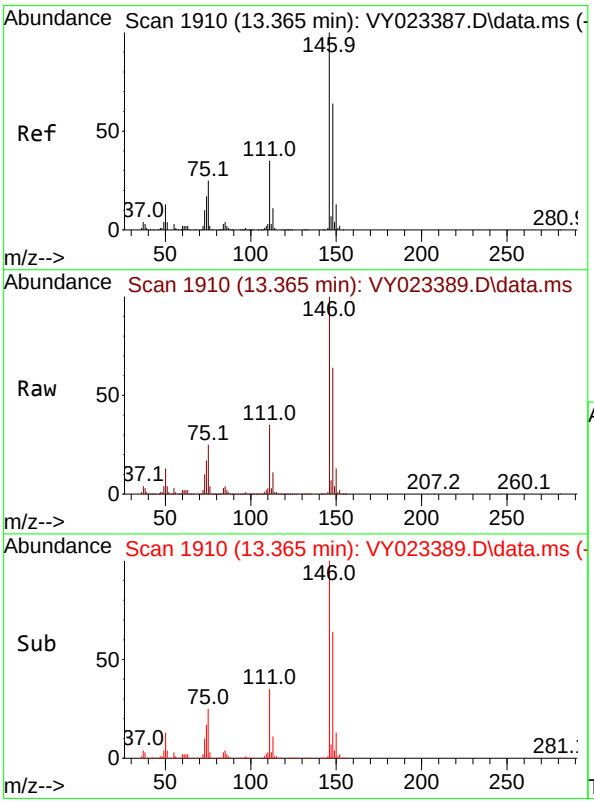
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

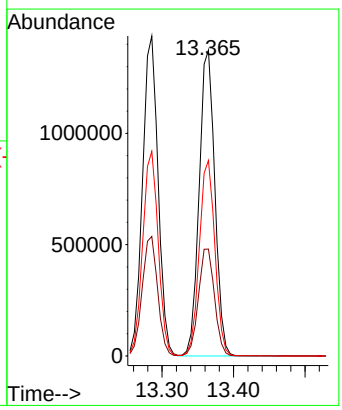


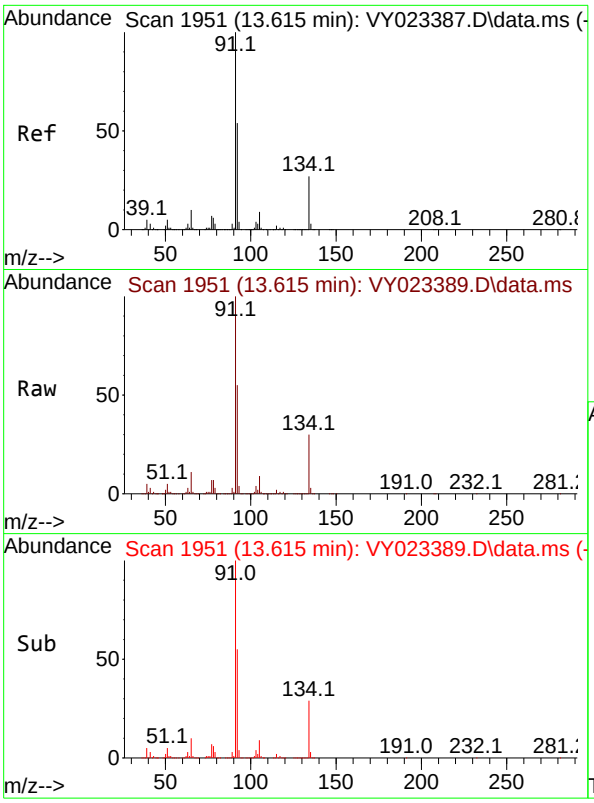


#88
1,4-Dichlorobenzene
Concen: 155.104 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:146 Resp: 2090133

Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.0	54.0
148	63.6	31.9	95.7





#89
n-Butylbenzene
Concen: 163.379 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 350571

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.0	80.8
134	28.6	14.1	42.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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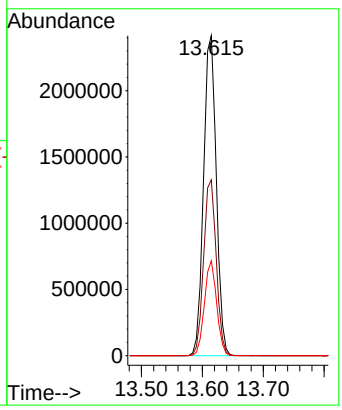
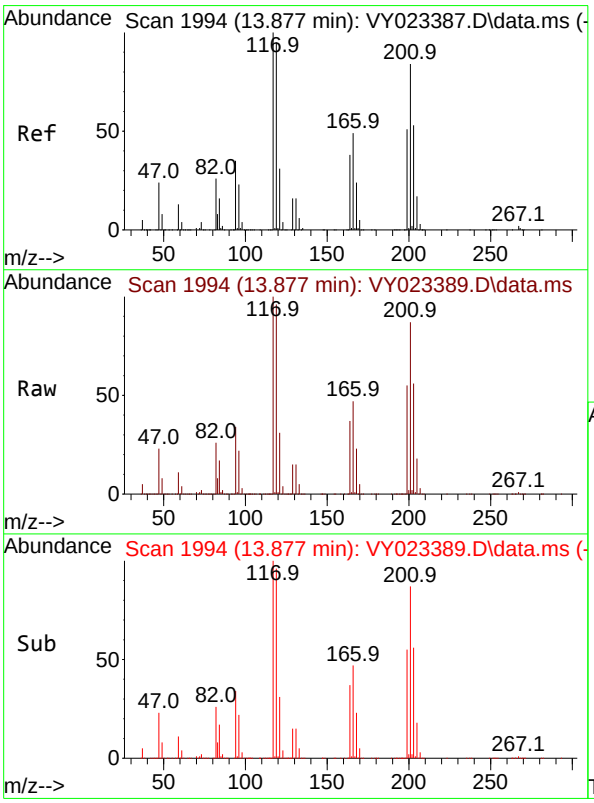
Supervised By :Mahesh Dadoda 10/10/2025

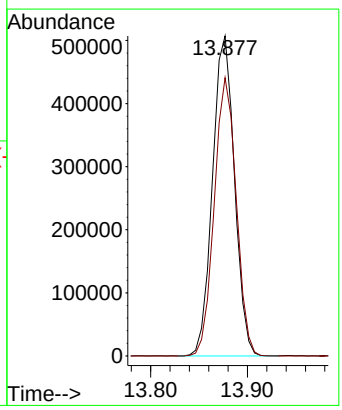


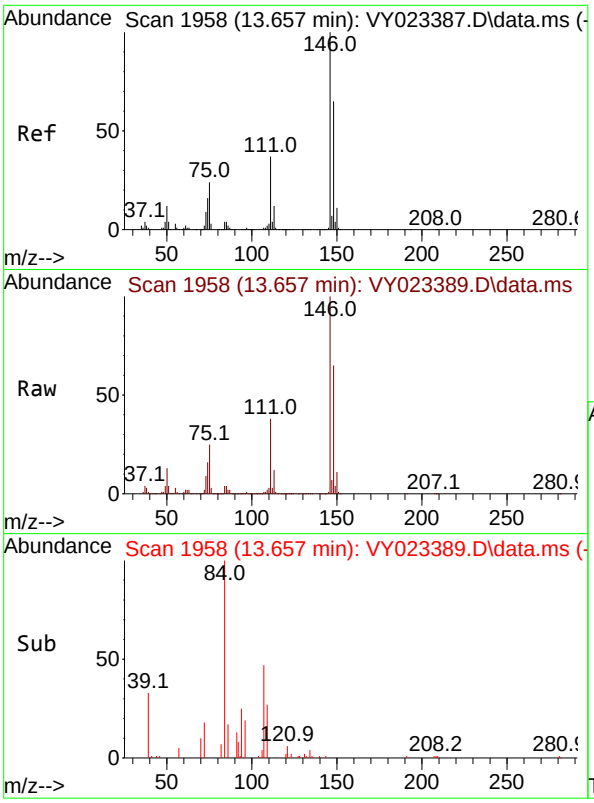


#90
Hexachloroethane
Concen: 151.487 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:117 Resp: 799264

Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.8	131.4

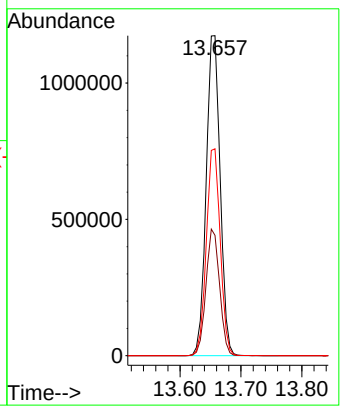




#91
1,2-Dichlorobenzene
Concen: 157.101 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:146 Resp: 186269

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.5	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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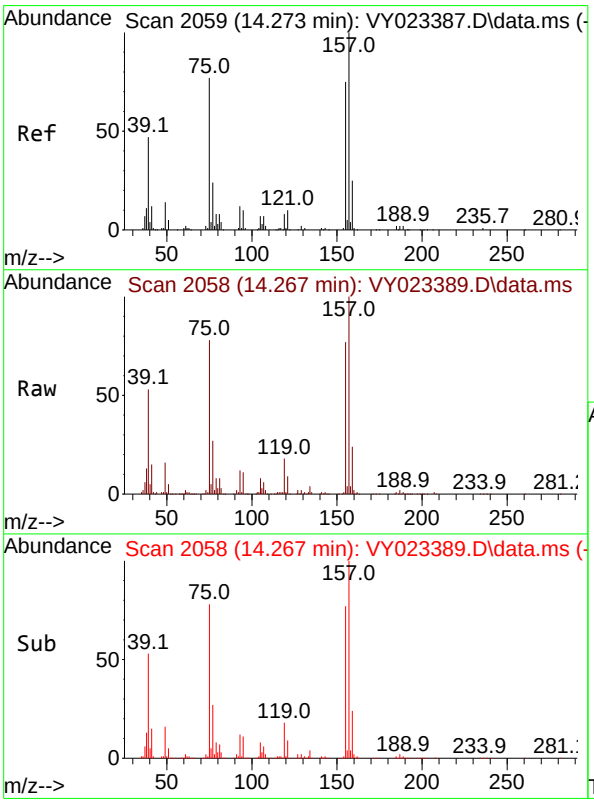
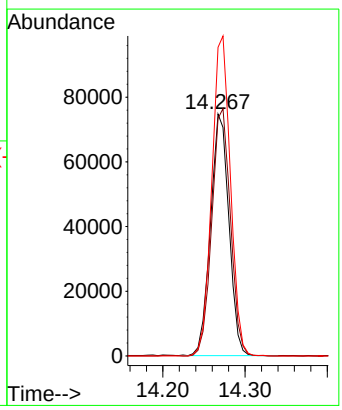
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

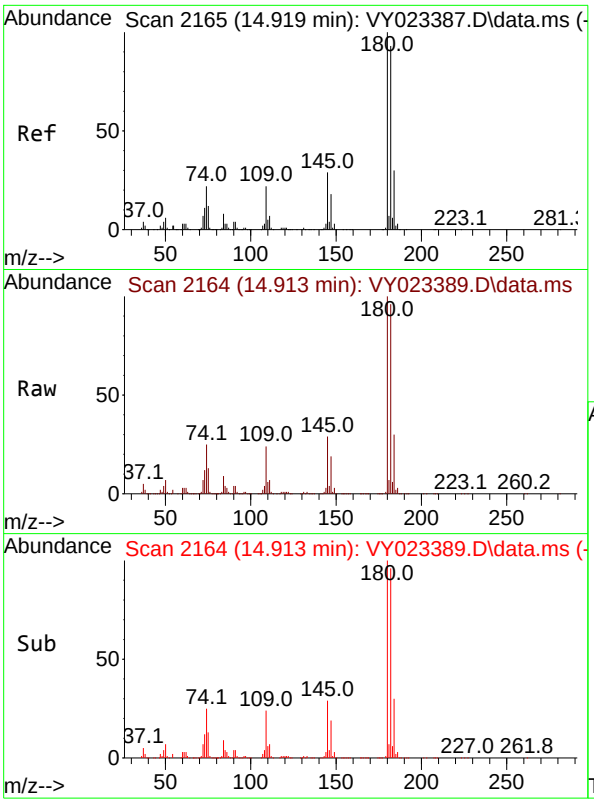


#92
1,2-Dibromo-3-Chloropropane
Concen: 164.099 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 116273

Ion	Ratio	Lower	Upper
75	100		
155	103.6	50.0	150.0
157	133.4	63.8	191.5

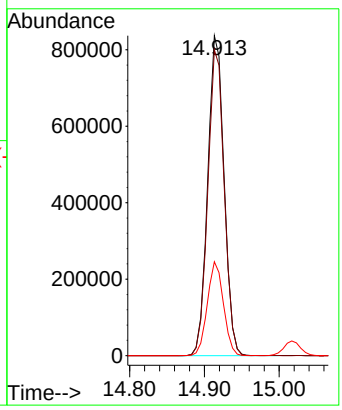




#93
1,2,4-Trichlorobenzene
Concen: 182.183 ug/l
RT: 14.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:180 Resp: 127262

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	28.9	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
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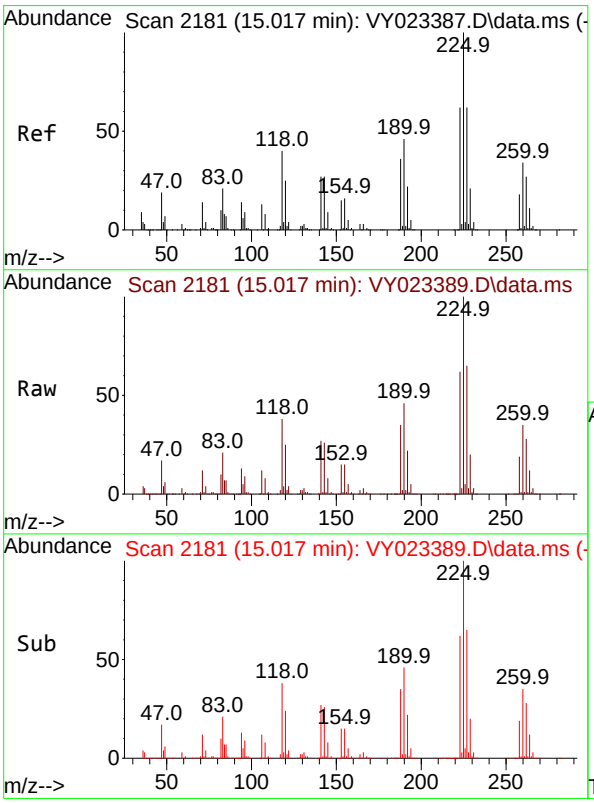
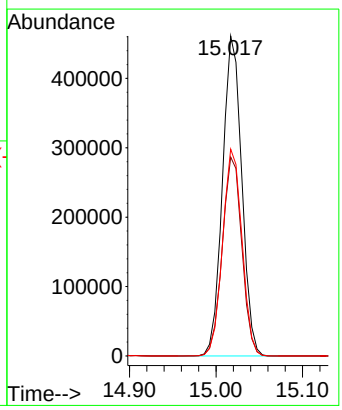
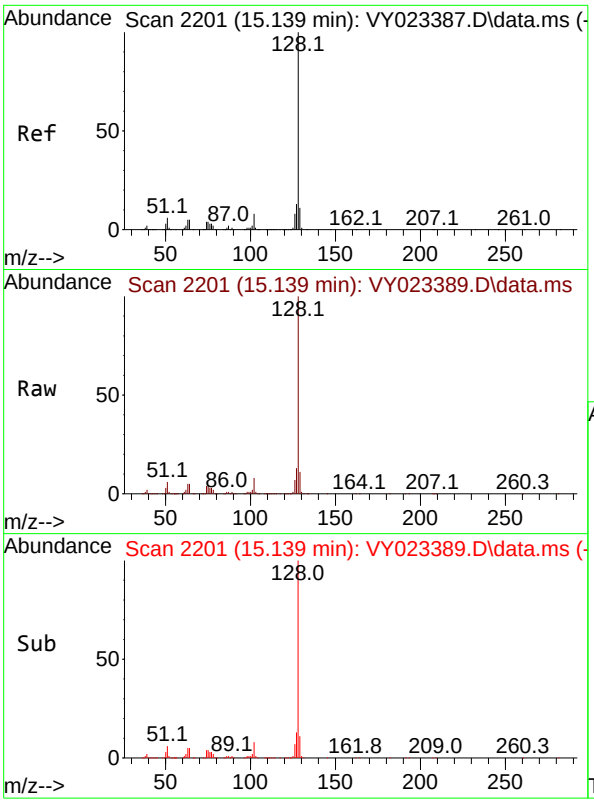


#94
Hexachlorobutadiene
Concen: 163.518 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:225 Resp: 711748

Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.8	92.3
227	65.0	31.9	95.7

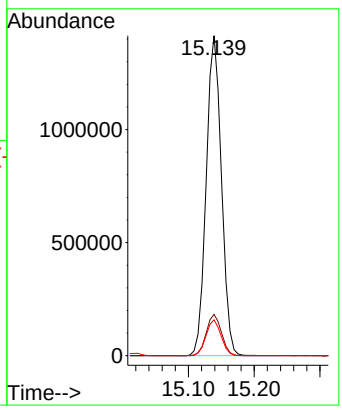




#95
Naphthalene
Concen: 204.639 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:128 Resp: 227754

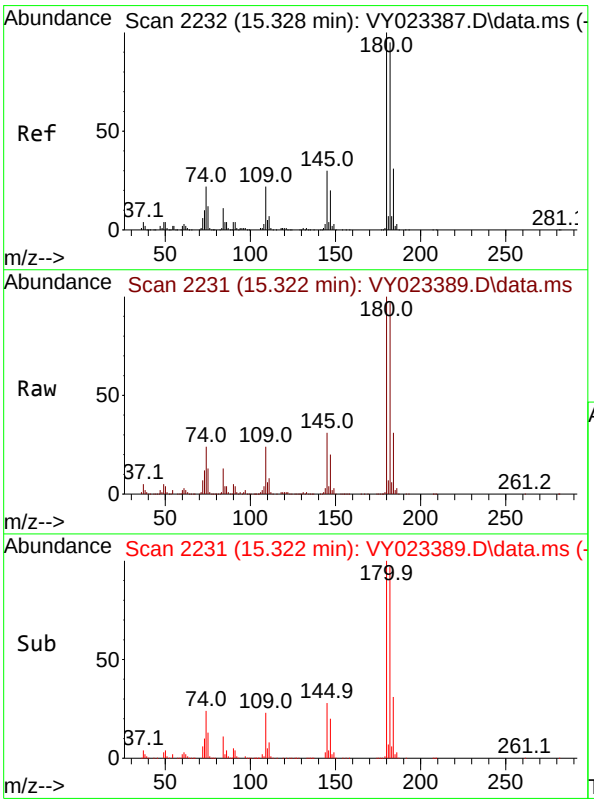
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

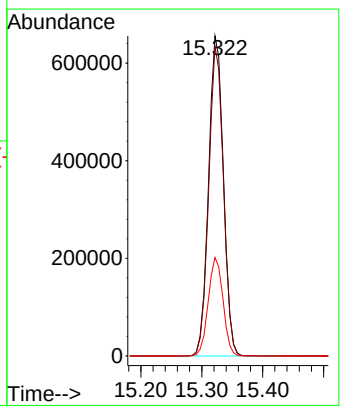
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 183.206 ug/l
RT: 15.322 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:180 Resp: 1110193

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	30.5	15.3	45.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	574332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	861639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	771372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	405636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	237493	49.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.900%			
35) Dibromofluoromethane	7.634	113	260038	49.116	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.240%			
50) Toluene-d8	10.103	98	970614	49.228	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.460%			
62) 4-Bromofluorobenzene	12.402	95	324700	49.881	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	185683	44.916	ug/l	99
3) Chloromethane	2.068	50	295766	52.519	ug/l	98
4) Vinyl Chloride	2.208	62	362714	49.449	ug/l	100
5) Bromomethane	2.598	94	300735	48.856	ug/l	98
6) Chloroethane	2.739	64	256831	51.367	ug/l	99
7) Trichlorofluoromethane	3.056	101	494789	48.582	ug/l	99
8) Diethyl Ether	3.458	74	135857	51.050	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	257524	48.728	ug/l	100
10) Methyl Iodide	4.007	142	305209	51.875	ug/l	98
11) Tert butyl alcohol	4.860	59	82562	231.079	ug/l	100
12) 1,1-Dichloroethene	3.787	96	254382	49.653	ug/l	97
13) Acrolein	3.653	56	124288	246.184	ug/l	99
14) Allyl chloride	4.385	41	316213	50.645	ug/l	99
15) Acrylonitrile	5.055	53	256219	251.575	ug/l	99
16) Acetone	3.866	43	243433	212.910	ug/l	98
17) Carbon Disulfide	4.104	76	733457	50.021	ug/l	100
18) Methyl Acetate	4.385	43	151281	50.439	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	643111	52.230	ug/l	97
20) Methylene Chloride	4.616	84	324604	52.503	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	290384	51.482	ug/l	98
22) Diisopropyl ether	6.019	45	709381	51.364	ug/l	99
23) Vinyl Acetate	5.958	43	1950969	260.981	ug/l	99
24) 1,1-Dichloroethane	5.915	63	464207	50.742	ug/l	98
25) 2-Butanone	6.890	43	325351	233.083	ug/l	99
26) 2,2-Dichloropropane	6.884	77	416585	49.626	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	341964	52.485	ug/l	97
28) Bromochloromethane	7.244	49	155146	45.427	ug/l	100
29) Tetrahydrofuran	7.262	42	200513	253.317	ug/l	99
30) Chloroform	7.421	83	513997	51.137	ug/l	98
31) Cyclohexane	7.701	56	378819	47.416	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	456112	49.934	ug/l	100
36) 1,1-Dichloropropene	7.835	75	348786	49.761	ug/l	99
37) Ethyl Acetate	6.982	43	138119	49.740	ug/l	98
38) Carbon Tetrachloride	7.817	117	413653	48.671	ug/l	99
39) Methylcyclohexane	9.109	83	456031	49.970	ug/l	99
40) Benzene	8.079	78	1107790	49.906	ug/l	97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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	7.220	41	72100	48.008	ug/l		96
42) 1,2-Dichloroethane	8.158	62	282332	49.318	ug/l		99
43) Isopropyl Acetate	8.195	43	279887	50.548	ug/l		100
44) Trichloroethene	8.866	130	319131	49.120	ug/l		98
45) 1,2-Dichloropropane	9.140	63	246887	50.355	ug/l		100
46) Dibromomethane	9.231	93	157758	50.885	ug/l		98
47) Bromodichloromethane	9.420	83	393918	50.450	ug/l		99
48) Methyl methacrylate	9.219	41	128606	49.440	ug/l		95
49) 1,4-Dioxane	9.231	88	37356	1039.252	ug/l		97
51) 4-Methyl-2-Pentanone	10.000	43	724992	253.421	ug/l		100
52) Toluene	10.170	92	743055	51.556	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	347336	51.160	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	413860	51.649	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	210245	50.430	ug/l		97
56) Ethyl methacrylate	10.438	69	256731	53.385	ug/l		99
57) 1,3-Dichloropropane	10.713	76	337673	51.113	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	586266	272.133	ug/l		100
59) 2-Hexanone	10.762	43	501877	245.480	ug/l		99
60) Dibromochloromethane	10.908	129	297946	50.974	ug/l		99
61) 1,2-Dibromoethane	11.018	107	201415	50.658	ug/l		100
64) Tetrachloroethene	10.646	164	382998	48.087	ug/l		99
65) Chlorobenzene	11.438	112	828466	49.381	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	296157	49.537	ug/l		99
67) Ethyl Benzene	11.518	91	1380691	50.841	ug/l		100
68) m/p-Xylenes	11.627	106	1108386	101.757	ug/l		100
69) o-Xylene	11.950	106	526954	51.577	ug/l		100
70) Styrene	11.969	104	875709	52.122	ug/l		100
71) Bromoform	12.133	173	185682	50.070	ug/l	#	98
73) Isopropylbenzene	12.255	105	1345109	50.318	ug/l		100
74) N-amyl acetate	12.066	43	245291	51.087	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	217245	49.688	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	153438m	42.874	ug/l		
77) Bromobenzene	12.530	156	352420	49.590	ug/l		99
78) n-propylbenzene	12.591	91	1568180	50.694	ug/l		100
79) 2-Chlorotoluene	12.676	91	906610	50.047	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1106664	51.231	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	67959	46.566	ug/l		97
82) 4-Chlorotoluene	12.773	91	941314	50.455	ug/l		100
83) tert-Butylbenzene	12.993	119	1037510	52.019	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1110672	51.520	ug/l		99
85) sec-Butylbenzene	13.176	105	1454774	50.848	ug/l		100
86) p-Isopropyltoluene	13.292	119	1263377	51.864	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	686854	49.632	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	671644	49.140	ug/l		100
89) n-Butylbenzene	13.615	91	1100086	51.829	ug/l		99
90) Hexachloroethane	13.877	117	257335	49.116	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	602989	49.698	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34928	48.687	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	386806	51.138	ug/l		100
94) Hexachlorobutadiene	15.023	225	236040	50.061	ug/l		99
95) Naphthalene	15.139	128	628190	52.154	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	335267	51.172	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

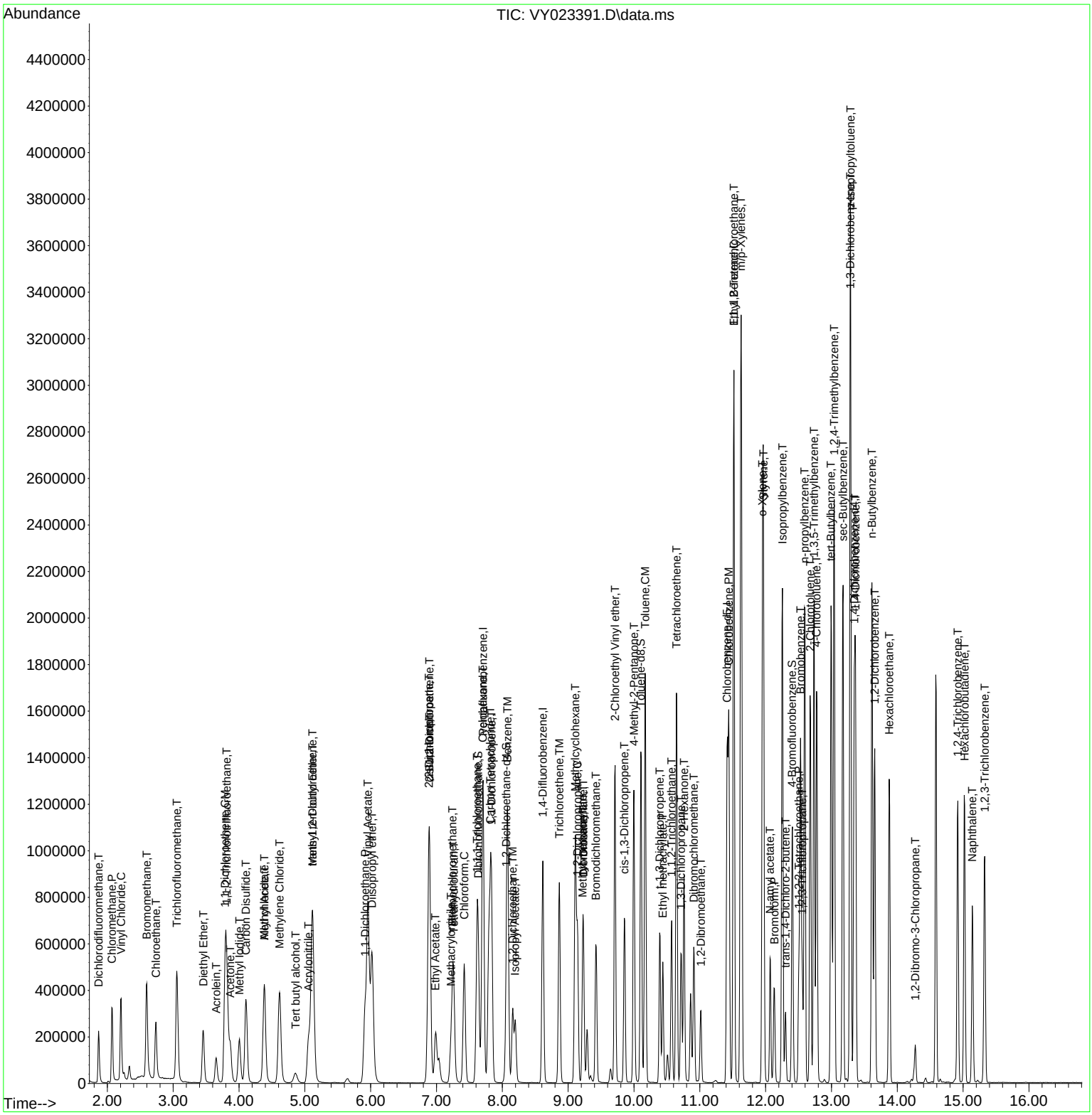
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

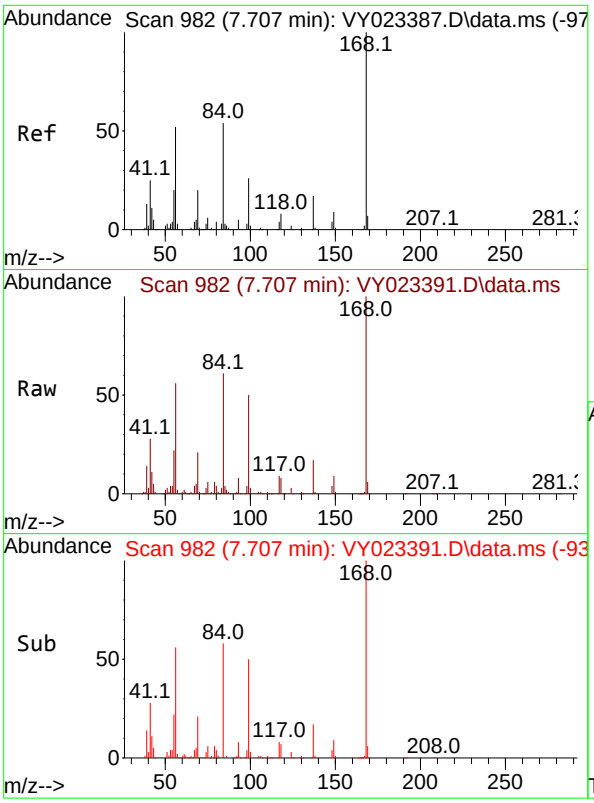
Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

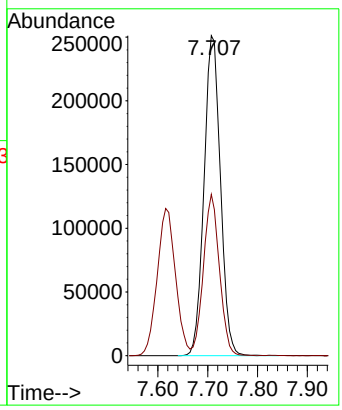




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:168 Resp: 57433

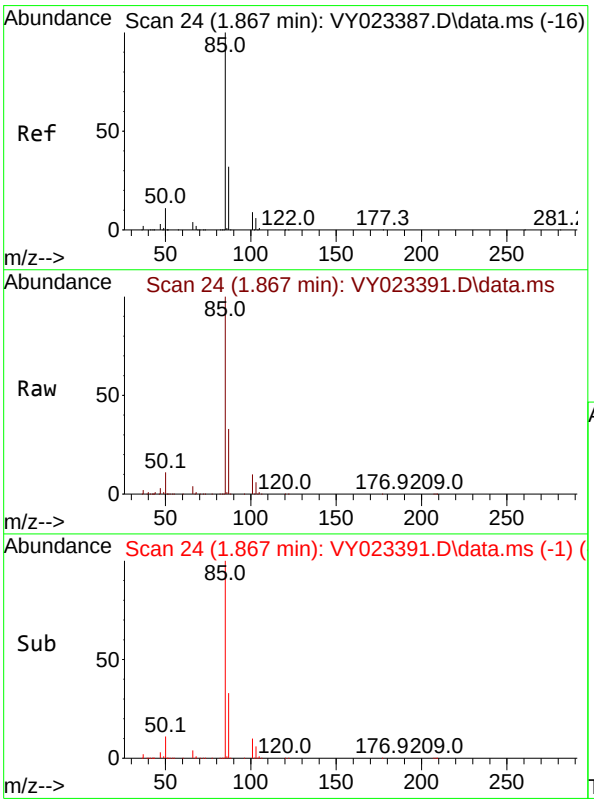
Ion	Ratio	Lower	Upper
168	100		
99	50.4	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

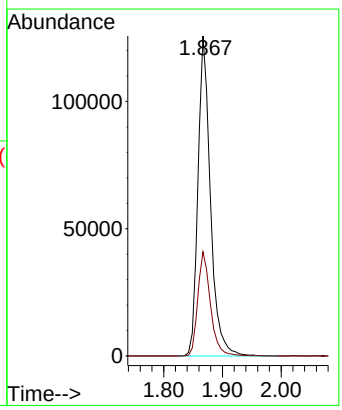
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

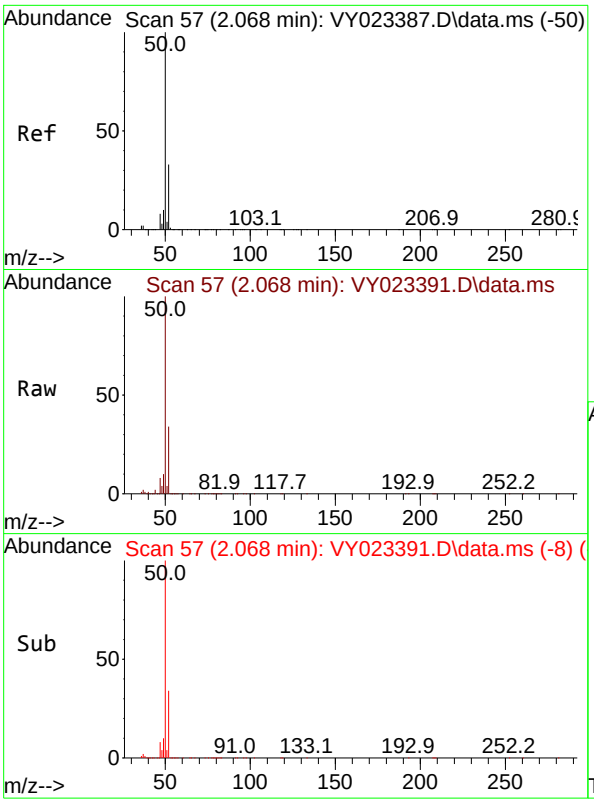


#2
Dichlorodifluoromethane
Concen: 44.916 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 85 Resp: 185683

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.0	47.9

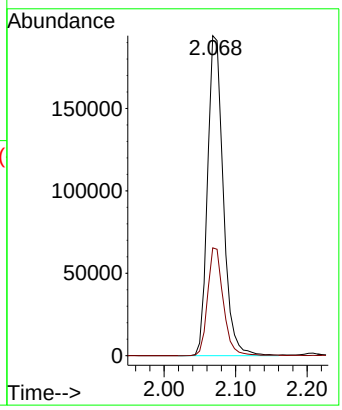




#3
Chloromethane
Concen: 52.519 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 50 Resp: 29576

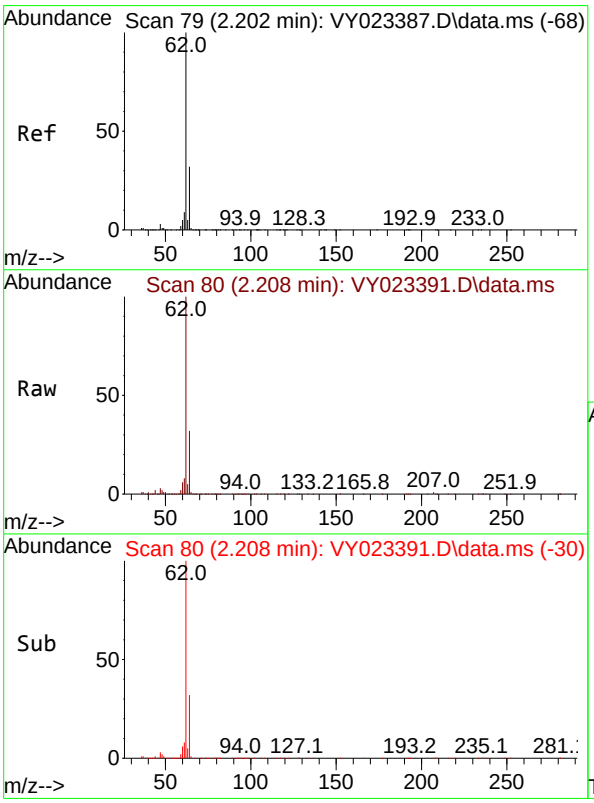
Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

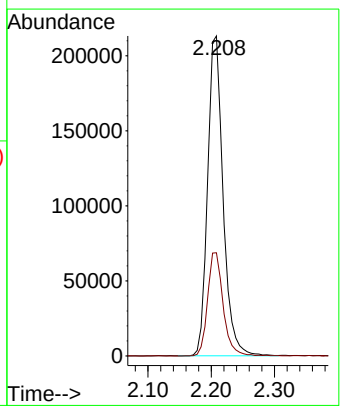
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

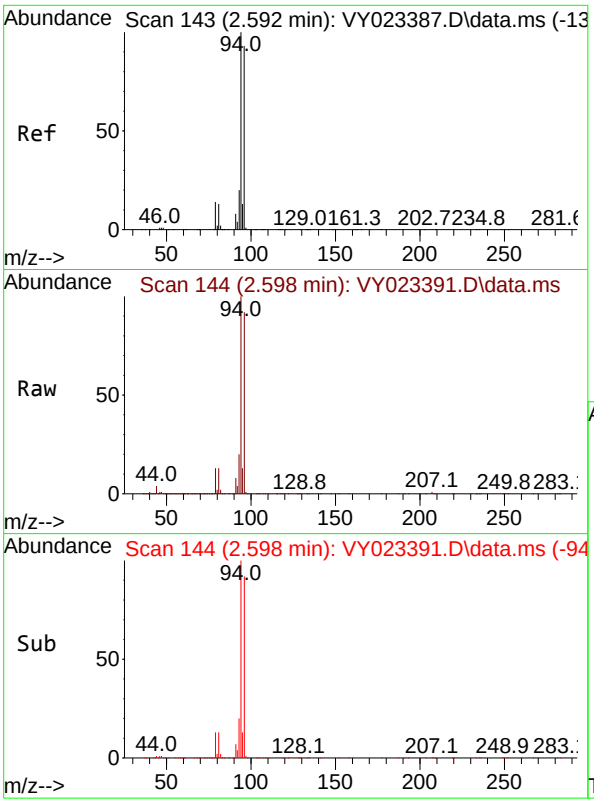


#4
Vinyl Chloride
Concen: 49.449 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 62 Resp: 362714

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.8	38.8

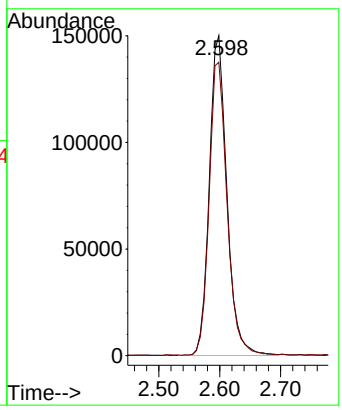




#5
Bromomethane
Concen: 48.856 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 94 Resp: 30073

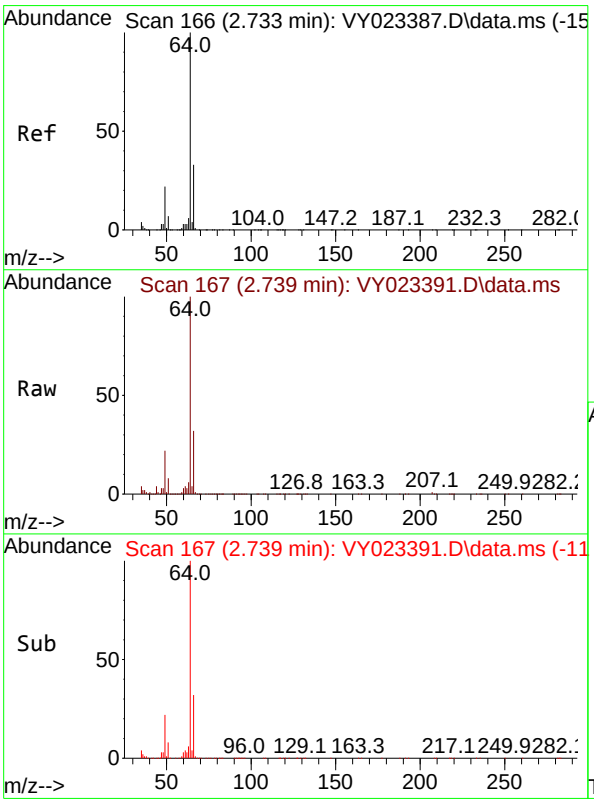
Ion	Ratio	Lower	Upper
94	100		
96	91.5	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

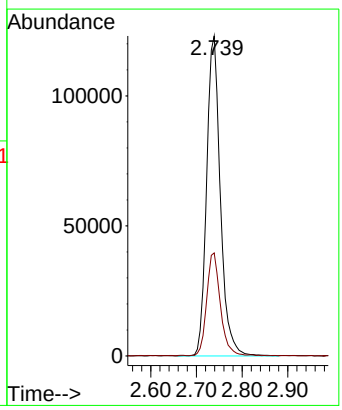
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

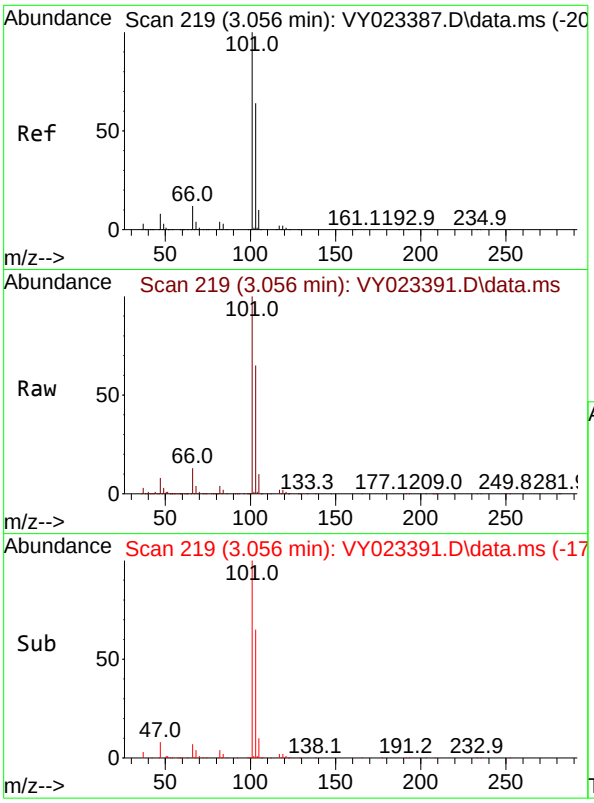


#6
Chloroethane
Concen: 51.367 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 64 Resp: 256831

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.2	39.4

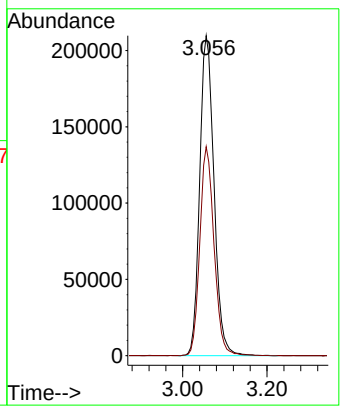




#7
Trichlorofluoromethane
Concen: 48.582 ug/l
RT: 3.056 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:101 Resp: 49478

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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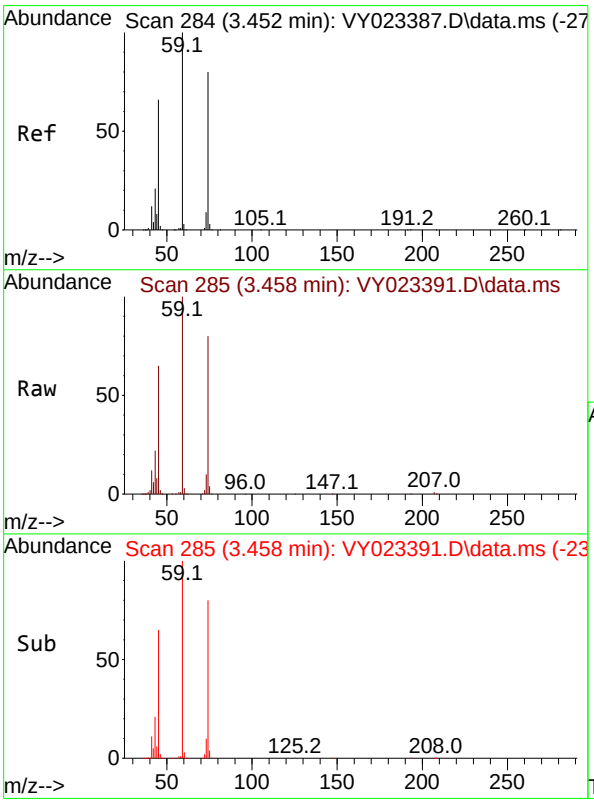
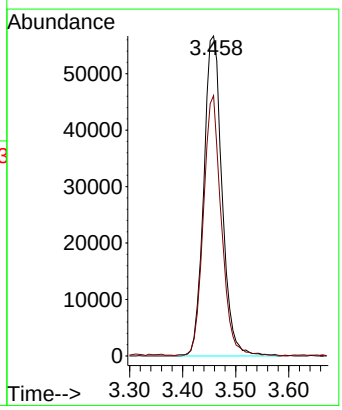
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

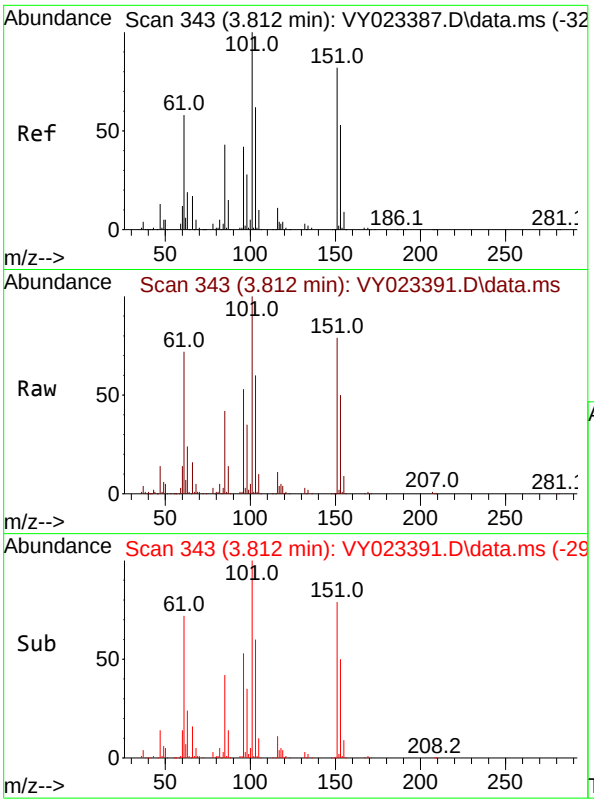


#8
Diethyl Ether
Concen: 51.050 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 74 Resp: 135857

Ion	Ratio	Lower	Upper
74	100		
45	80.1	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.728 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Tgt Ion:101 Resp: 25752

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	83.2	67.0	100.6

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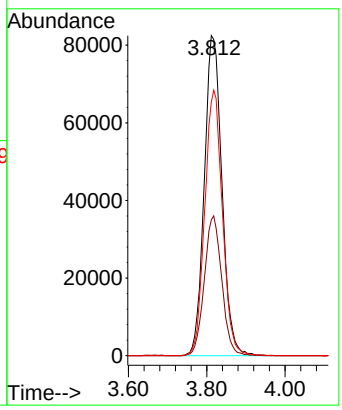
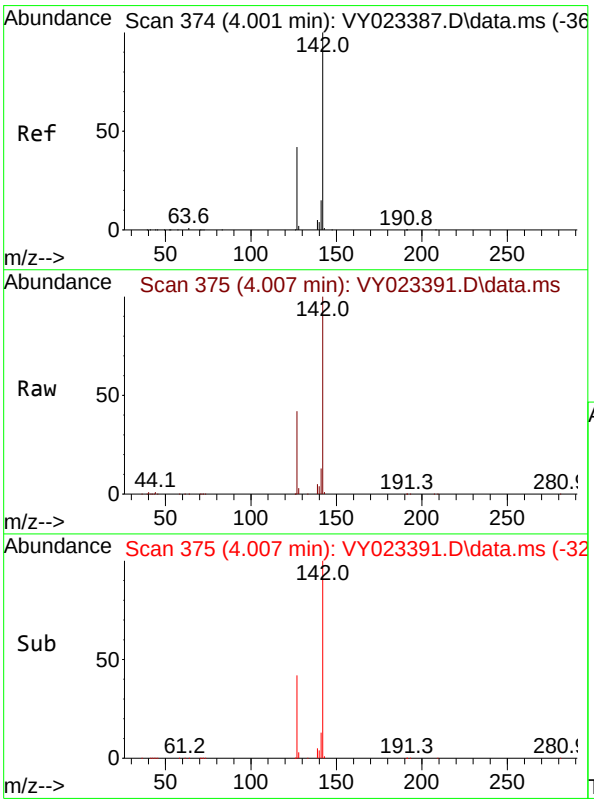
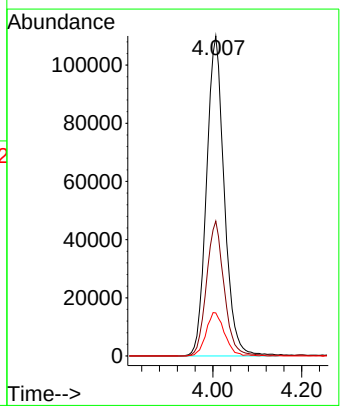


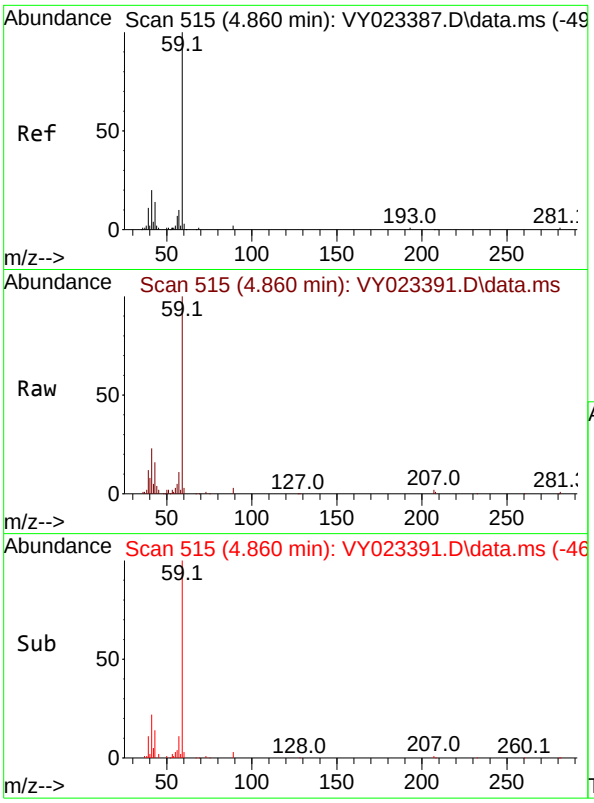


#10
Methyl Iodide
Concen: 51.875 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:142 Resp: 305209

Ion	Ratio	Lower	Upper
142	100		
127	41.8	34.8	52.2
141	14.1	11.6	17.4

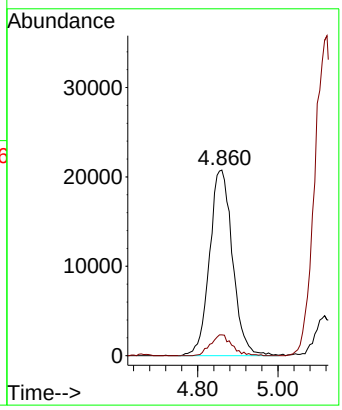




#11
Tert butyl alcohol
Concen: 231.079 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 59 Resp: 8256

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
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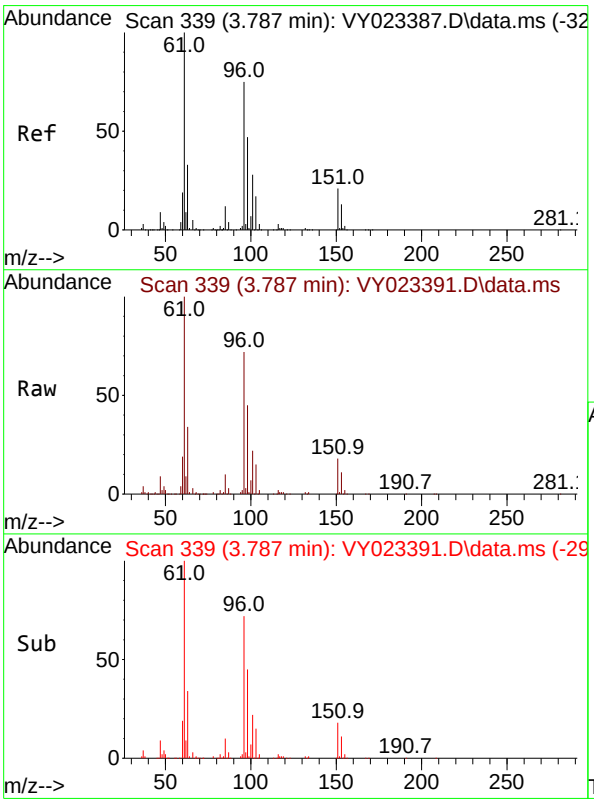
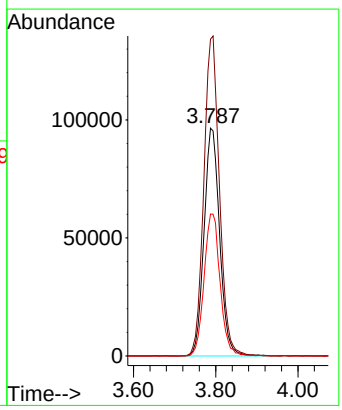
Supervised By :Mahesh Dadoda 10/10/2025

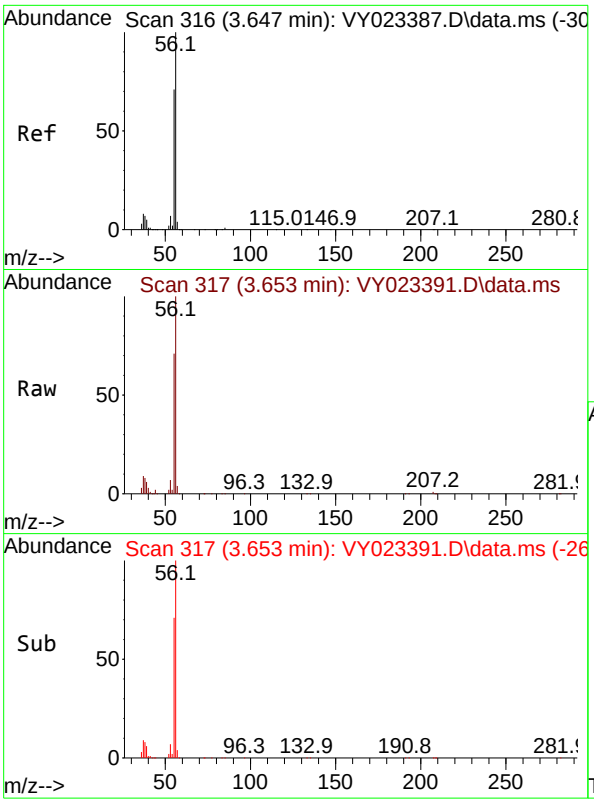


#12
1,1-Dichloroethene
Concen: 49.653 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 96 Resp: 254382

Ion	Ratio	Lower	Upper
96	100		
61	139.1	106.7	160.1
98	62.3	50.2	75.4

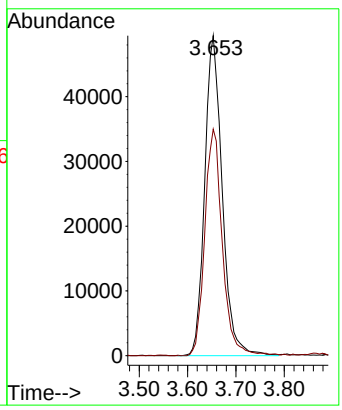




#13
Acrolein
Concen: 246.184 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 56 Resp: 12428

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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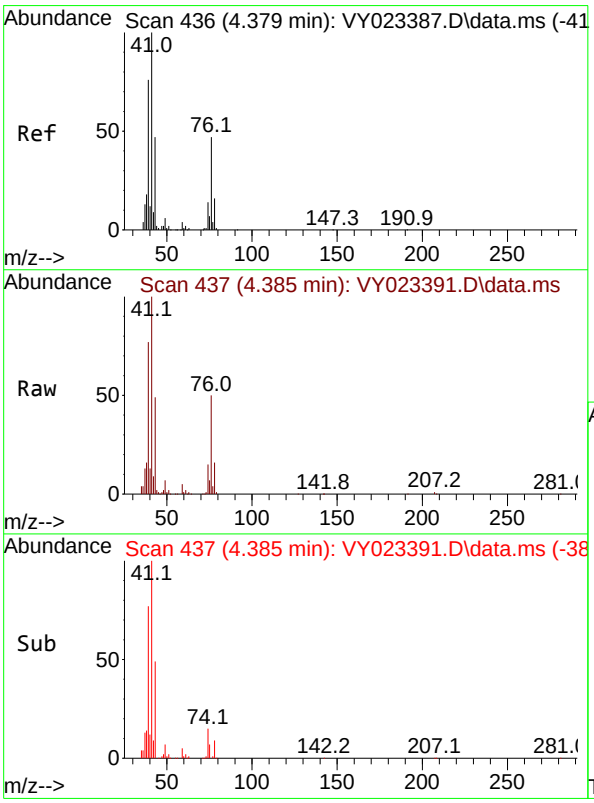
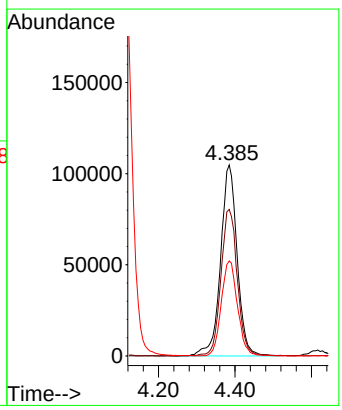
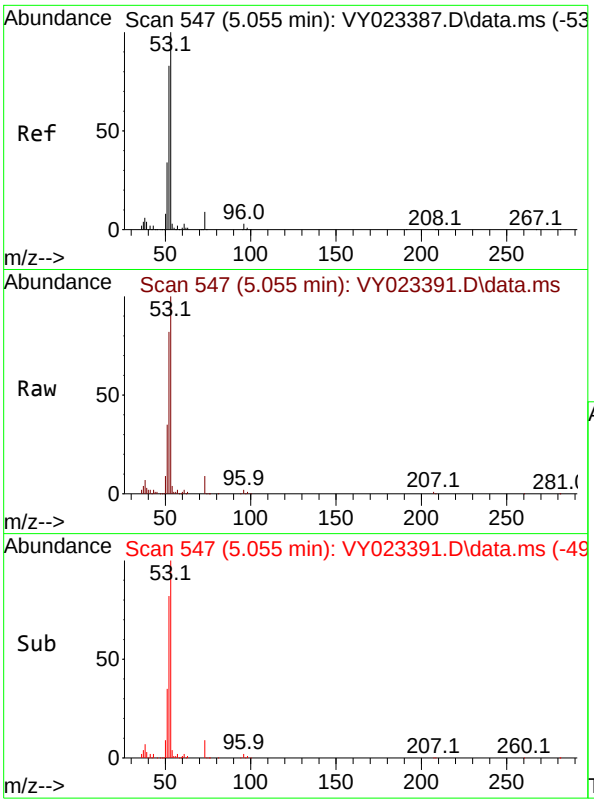


#14
Allyl chloride
Concen: 50.645 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 41 Resp: 316213

Ion	Ratio	Lower	Upper
41	100		
39	76.2	59.9	89.9
76	48.1	38.0	57.0

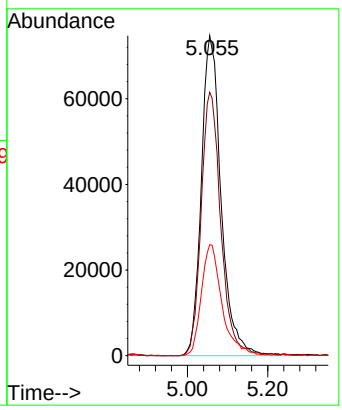




#15
Acrylonitrile
Concen: 251.575 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 53 Resp: 25621

Ion	Ratio	Lower	Upper
53	100		
52	81.7	64.6	97.0
51	36.4	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
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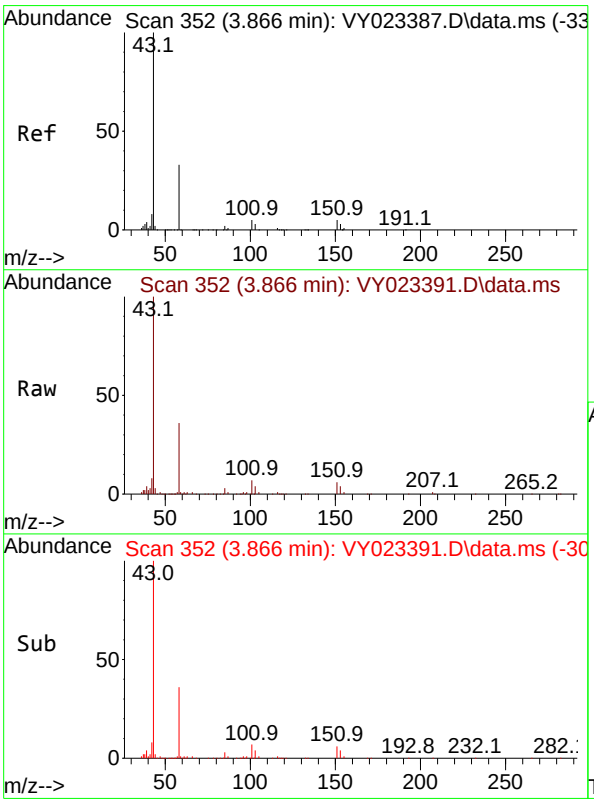
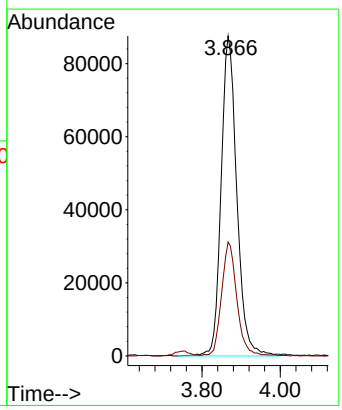
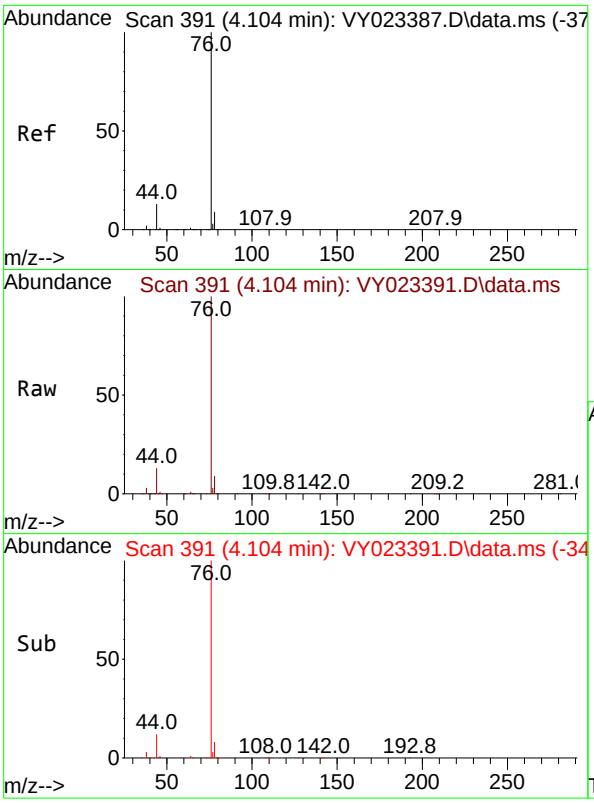


#16
Acetone
Concen: 212.910 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 243433

Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.7	41.5

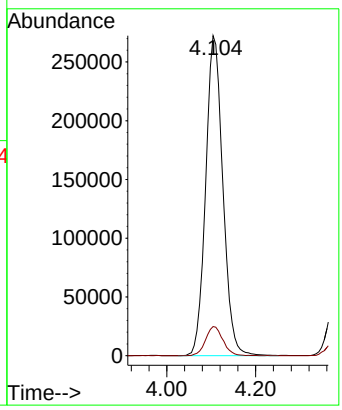




#17
Carbon Disulfide
Concen: 50.021 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 76 Resp: 73345

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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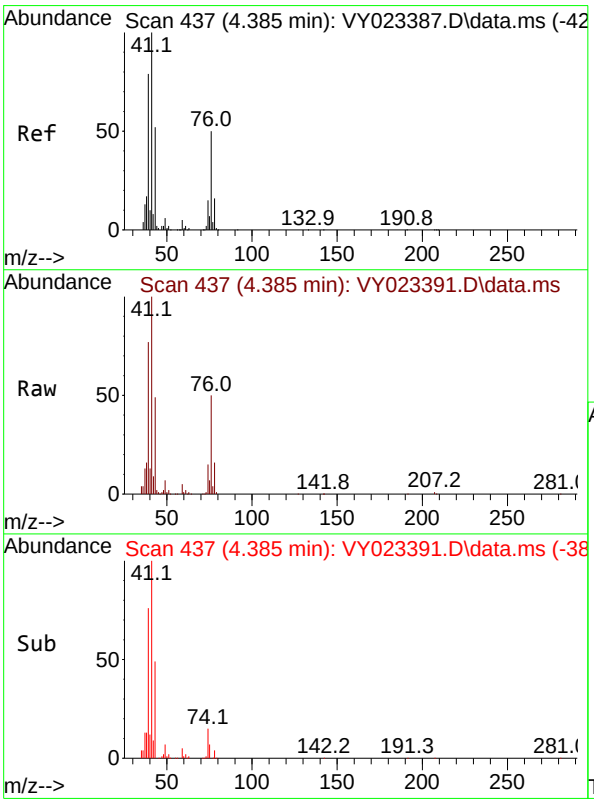
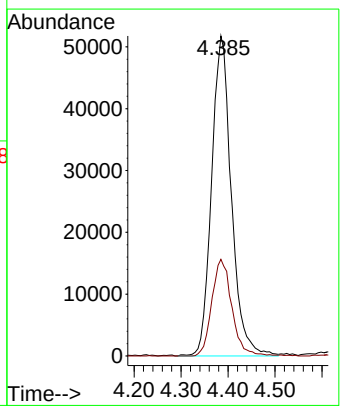
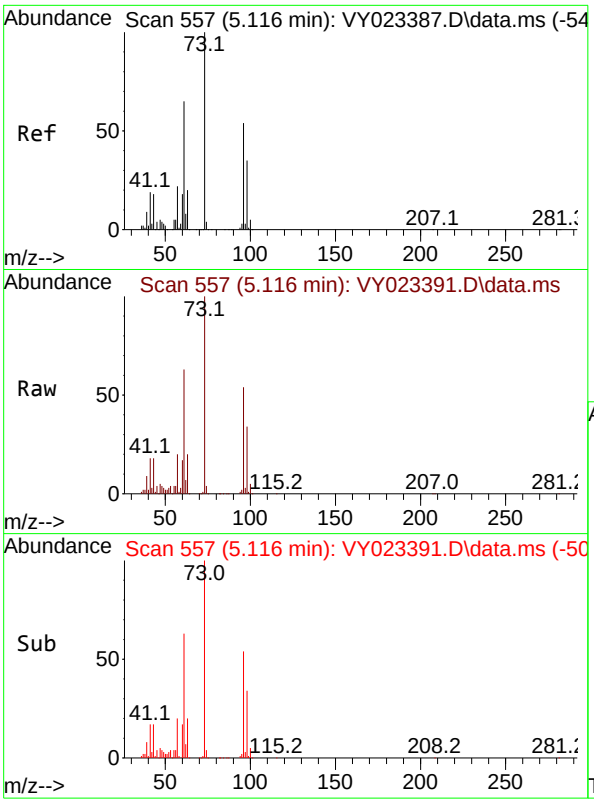


#18
Methyl Acetate
Concen: 50.439 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 151281

Ion	Ratio	Lower	Upper
43	100		
74	30.5	24.2	36.4

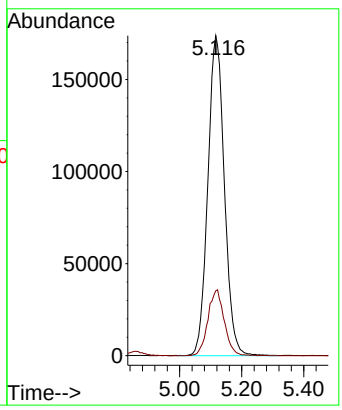




#19
Methyl tert-butyl Ether
Concen: 52.230 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 73 Resp: 64311

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
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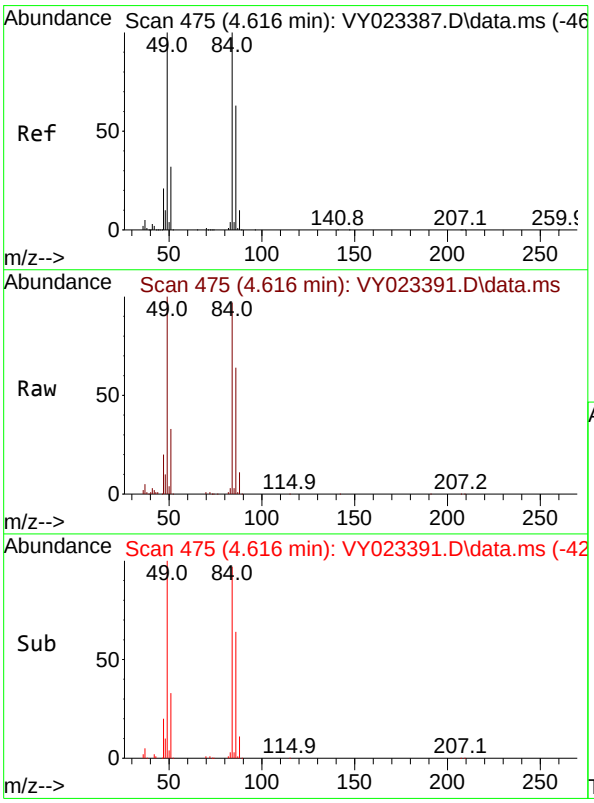
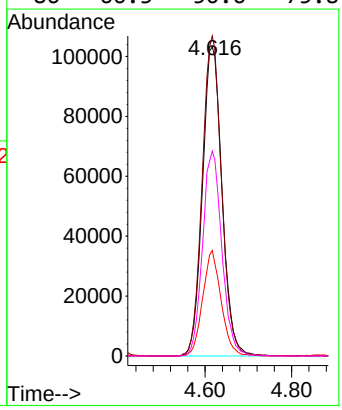
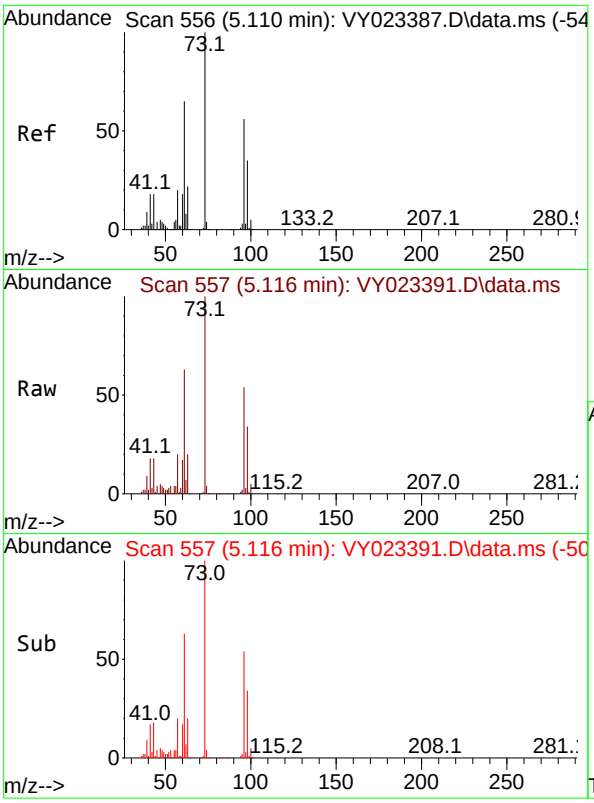


#20
Methylene Chloride
Concen: 52.503 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 84 Resp: 324604

Ion	Ratio	Lower	Upper
84	100		
49	103.5	80.2	120.4
51	34.1	25.9	38.9
86	66.3	50.6	75.8

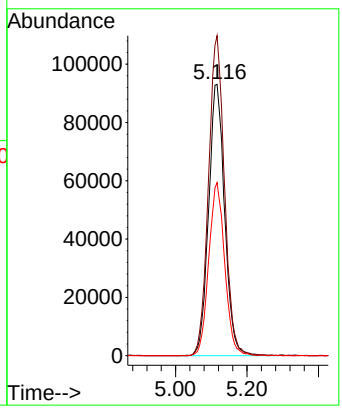




#21
trans-1,2-Dichloroethene
Concen: 51.482 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 96 Resp: 29038

Ion	Ratio	Lower	Upper
96	100		
61	117.9	92.7	139.1
98	63.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
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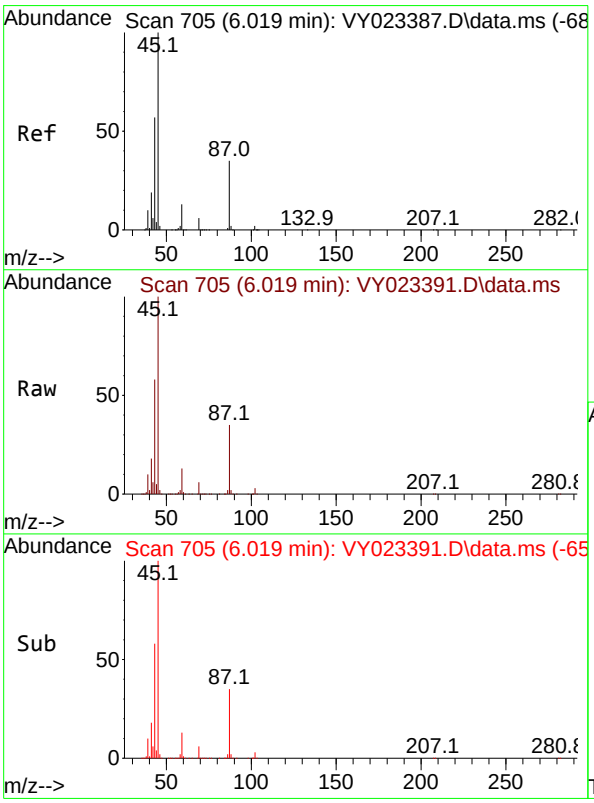
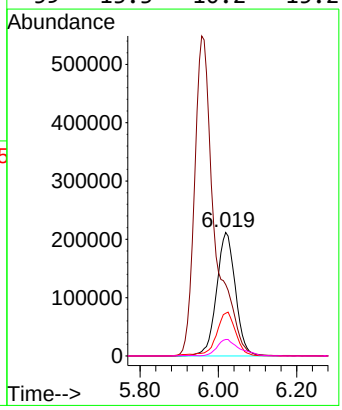
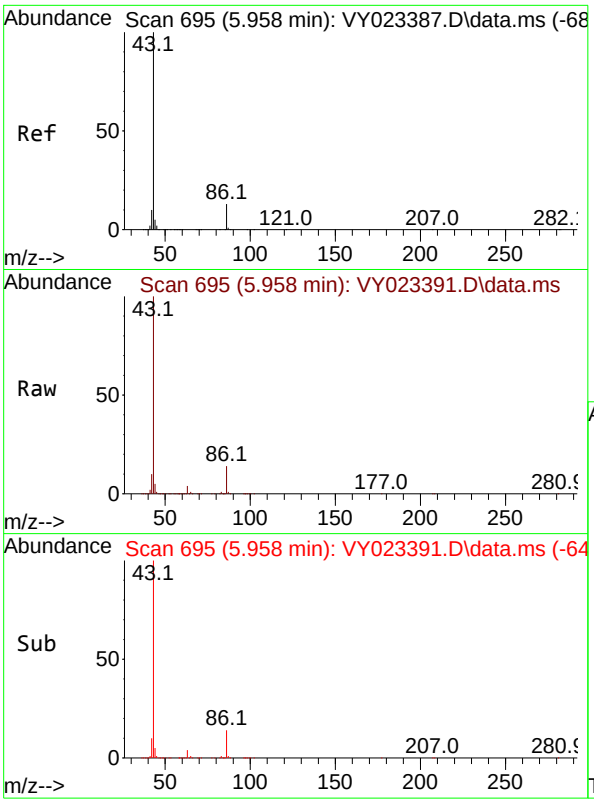


#22
Diisopropyl ether
Concen: 51.364 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 45 Resp: 709381

Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.6	68.4
87	34.6	28.1	42.1
59	13.3	10.2	15.2

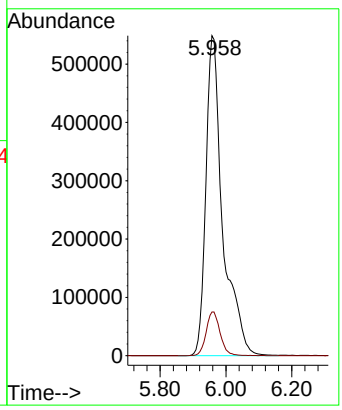




#23
Vinyl Acetate
Concen: 260.981 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 195096

Ion	Ratio	Lower	Upper
43	100		
86	13.7	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
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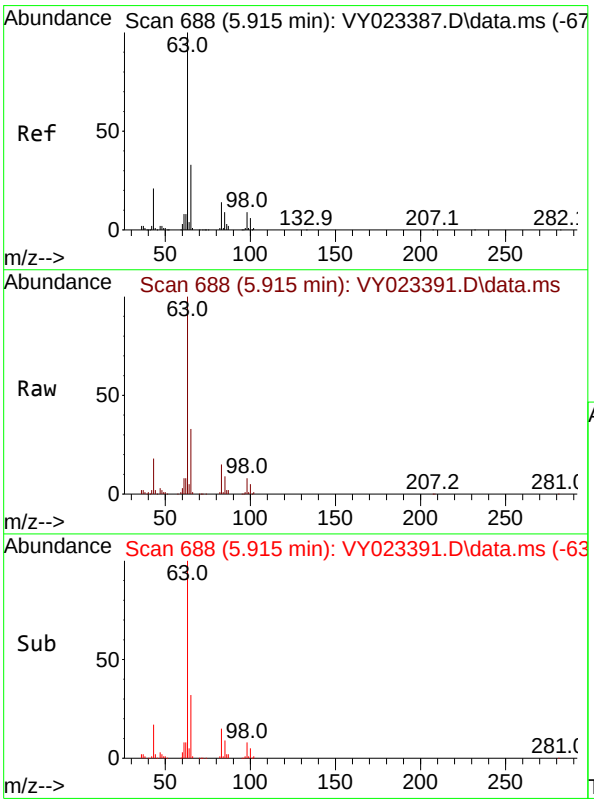
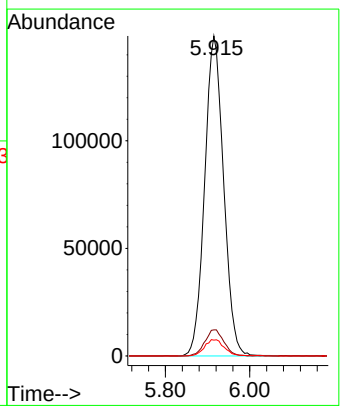
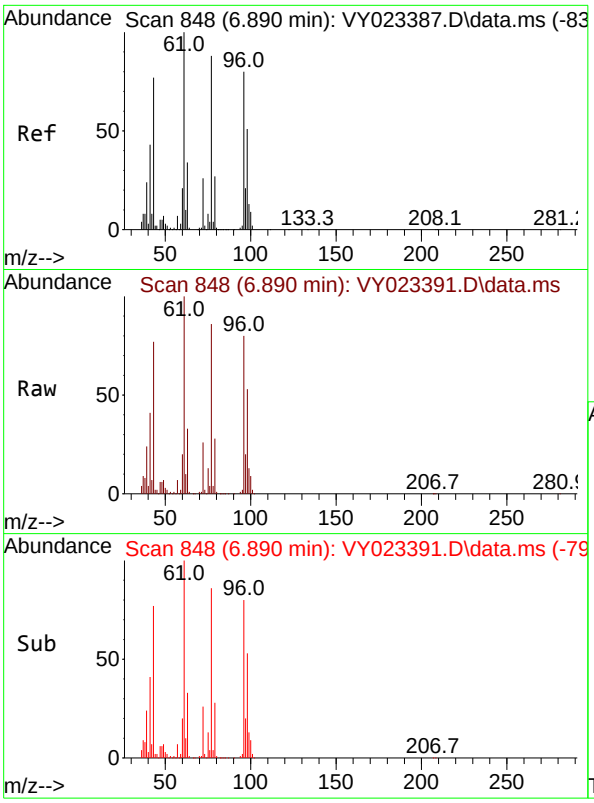


#24
1,1-Dichloroethane
Concen: 50.742 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 63 Resp: 464207

Ion	Ratio	Lower	Upper
63	100		
98	8.1	4.3	13.1
100	5.0	2.8	8.4





#25
2-Butanone
Concen: 233.083 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 32535

Ion	Ratio	Lower	Upper
43	100		
72	33.8	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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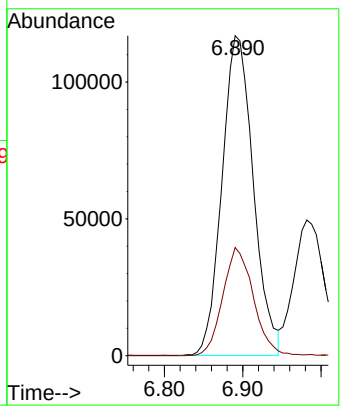
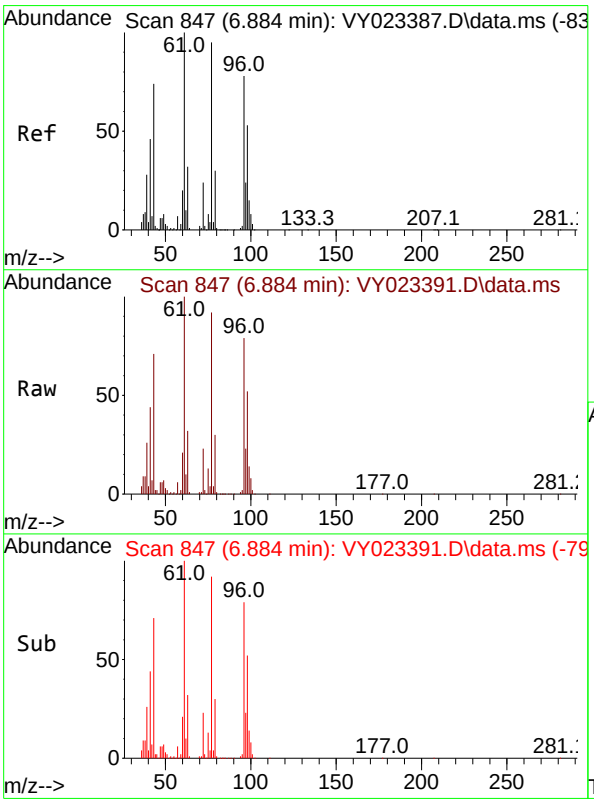
Supervised By :Mahesh Dadoda 10/10/2025

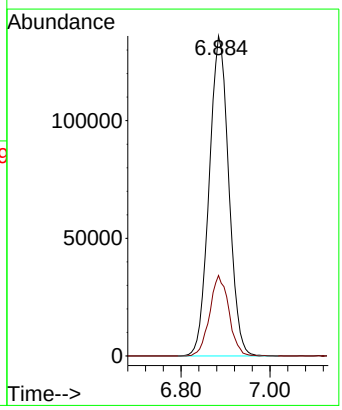


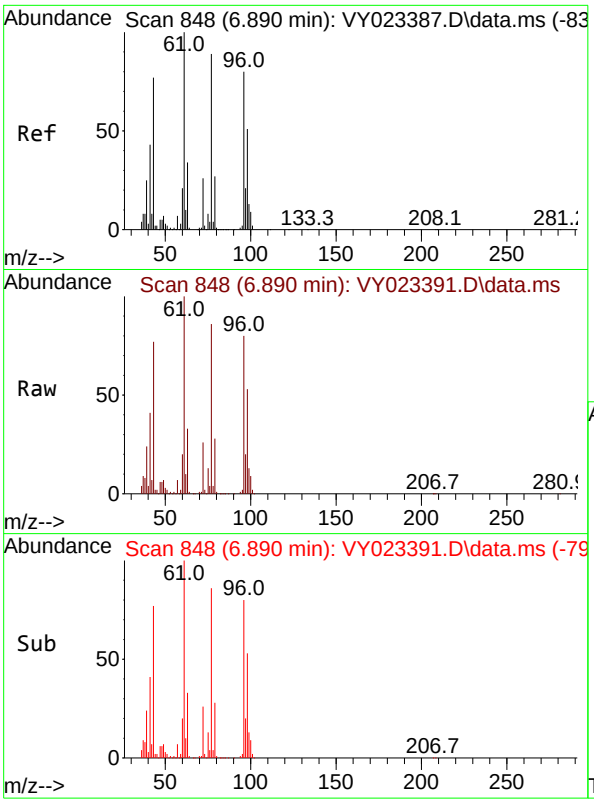


#26
2,2-Dichloropropane
Concen: 49.626 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 77 Resp: 416585

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.1	36.3

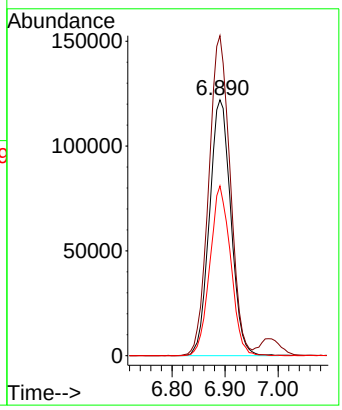




#27
cis-1,2-Dichloroethene
Concen: 52.485 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 96 Resp: 34196

Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	258.2
98	64.3	0.0	132.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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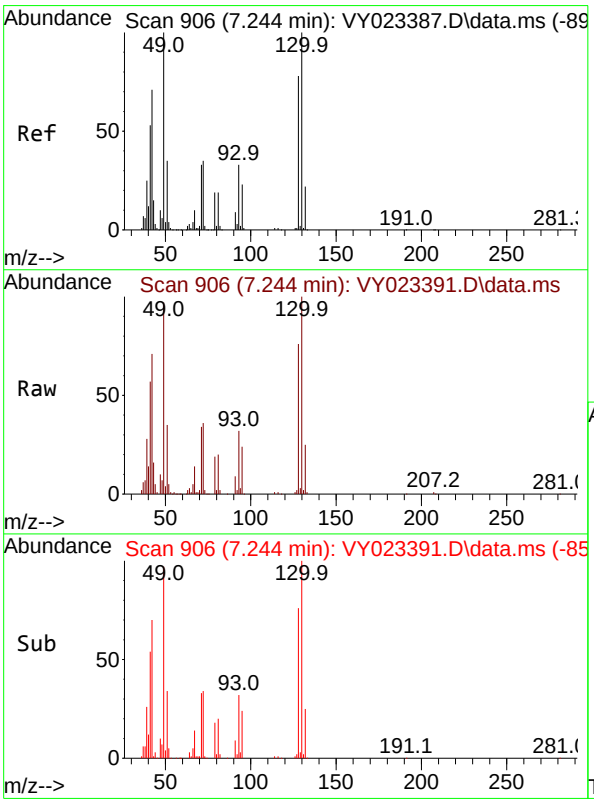
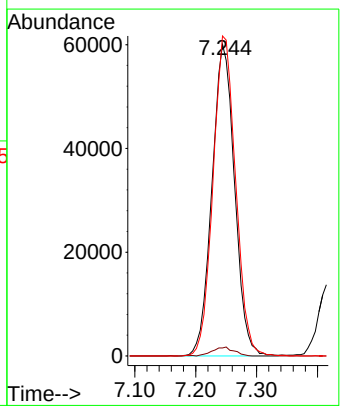
Supervised By :Mahesh Dadoda 10/10/2025

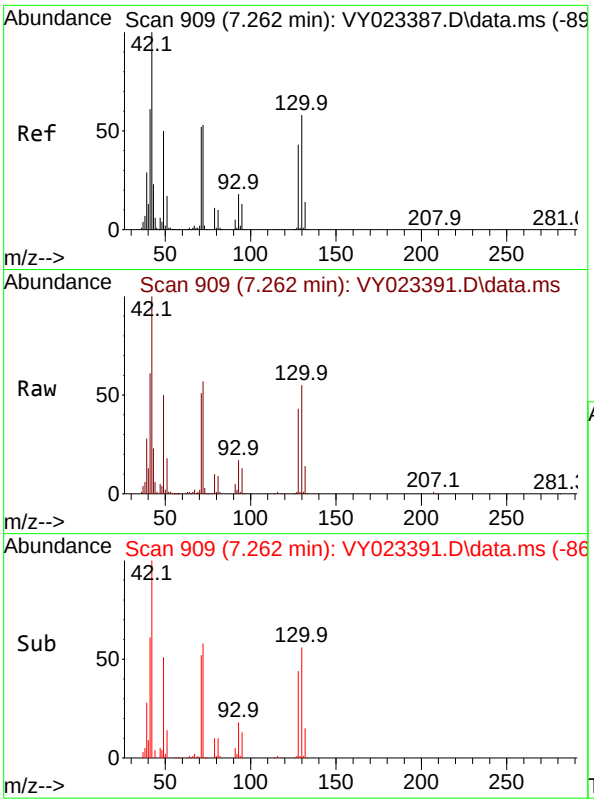


#28
Bromochloromethane
Concen: 45.427 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 49 Resp: 155146

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	102.6	81.9	122.9

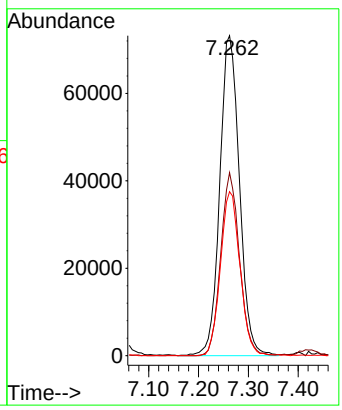




#29
Tetrahydrofuran
Concen: 253.317 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 42 Resp: 20051

Ion	Ratio	Lower	Upper
42	100		
72	54.6	43.0	64.6
71	51.1	40.1	60.1



Instrument :
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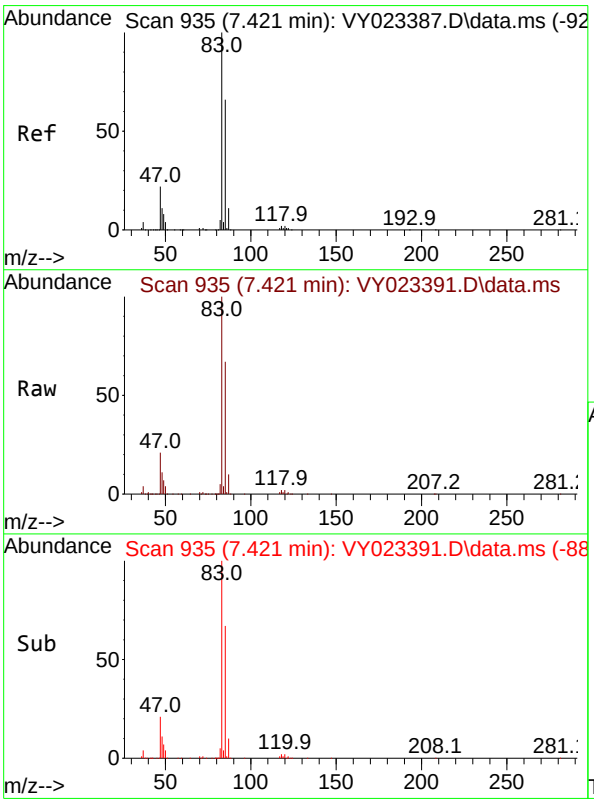
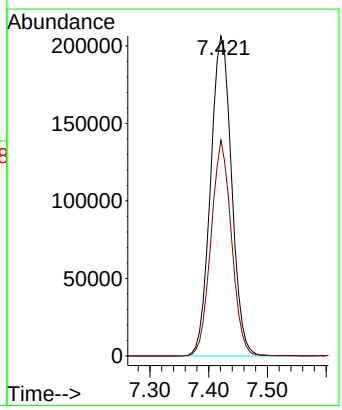
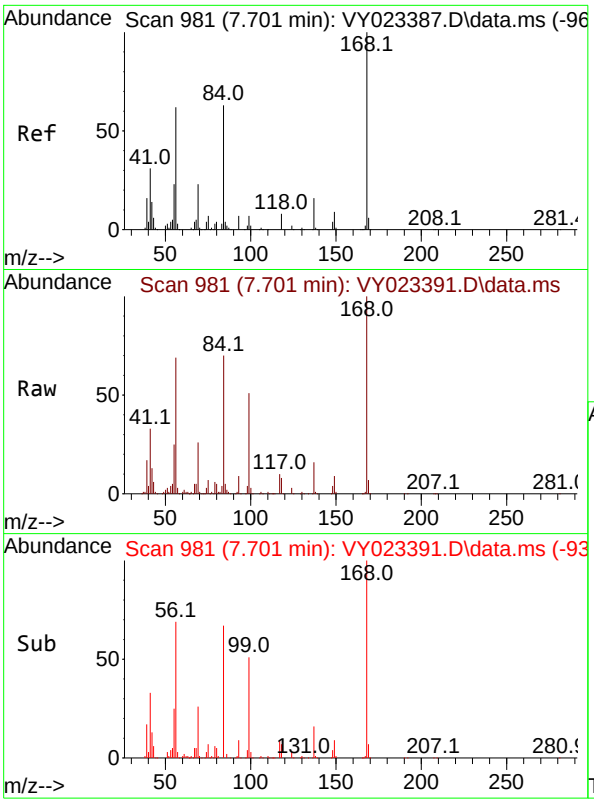


#30
Chloroform
Concen: 51.137 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 513997

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.5	78.7





#31
Cyclohexane
Concen: 47.416 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 56 Resp: 37881

Ion	Ratio	Lower	Upper
56	100		
69	37.1	30.0	45.0
84	99.4	81.2	121.8

Instrument :
MSVOA_Y
ClientSampleId :
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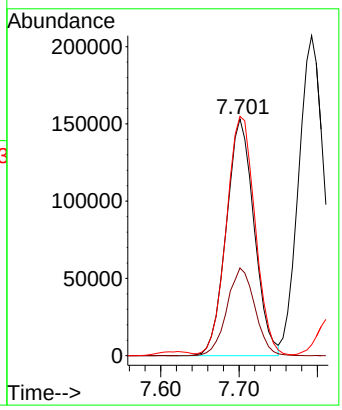
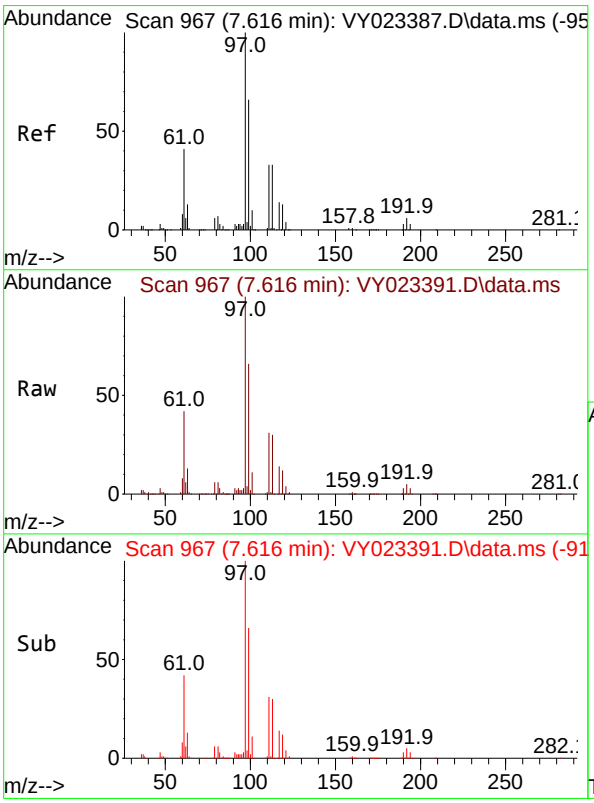
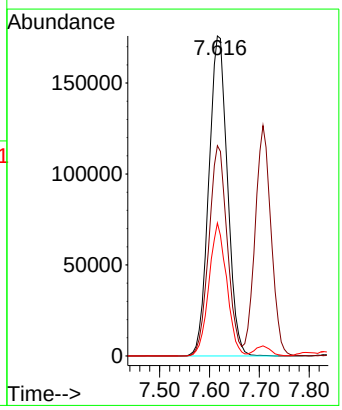


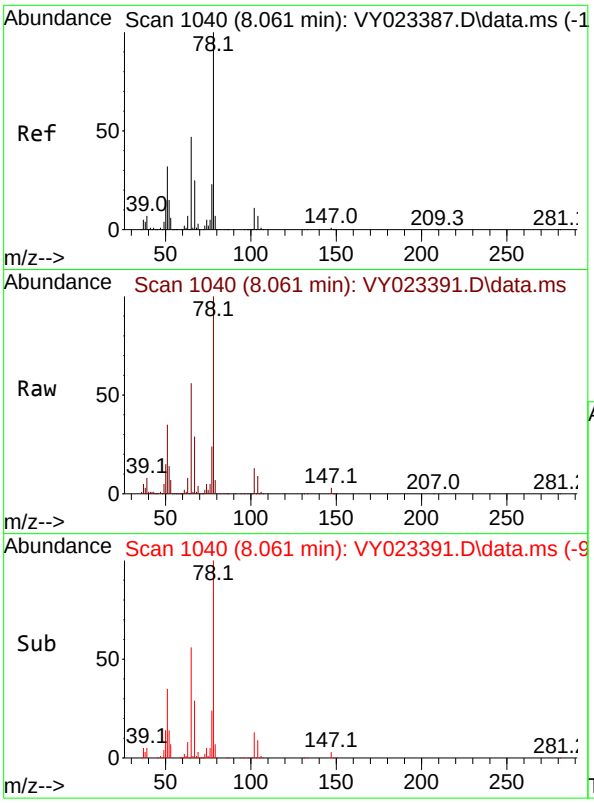


#32
1,1,1-Trichloroethane
Concen: 49.934 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 97 Resp: 456112

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	39.8	31.9	47.9

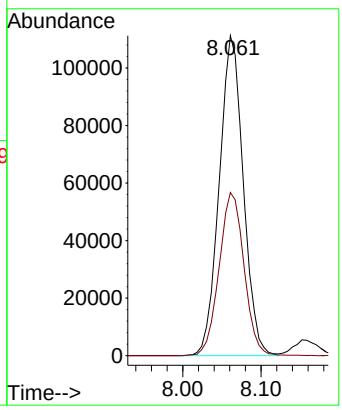




#33
1,2-Dichloroethane-d4
Concen: 49.450 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 65 Resp: 23749

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8



Instrument :
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ClientSampleId :
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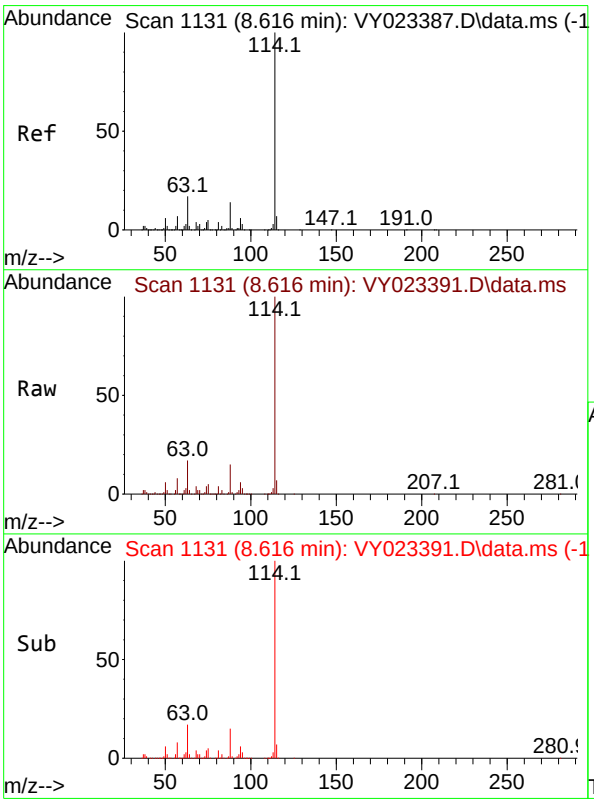
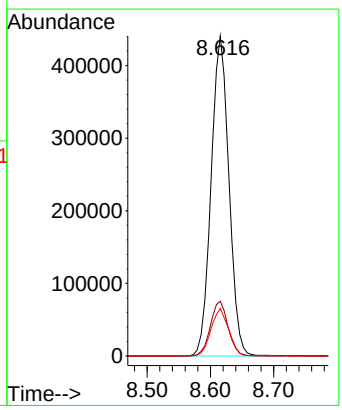
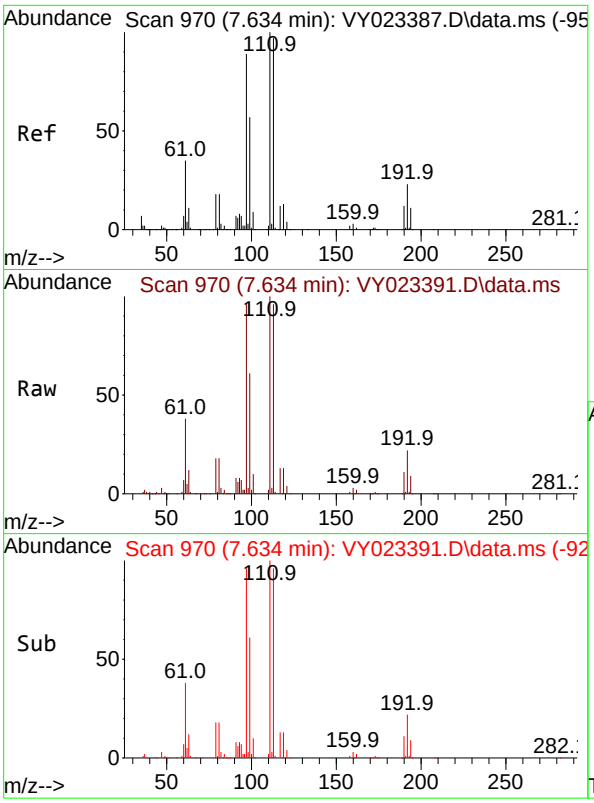


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:114 Resp: 861639

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	34.2
88	14.9	0.0	28.4





#35
Dibromofluoromethane
Concen: 49.116 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:113 Resp: 26003

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	22.5	18.0	27.0

Instrument :
MSVOA_Y
ClientSampleId :
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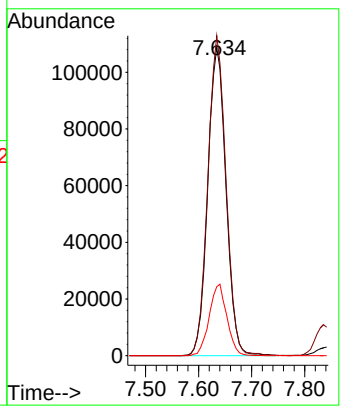
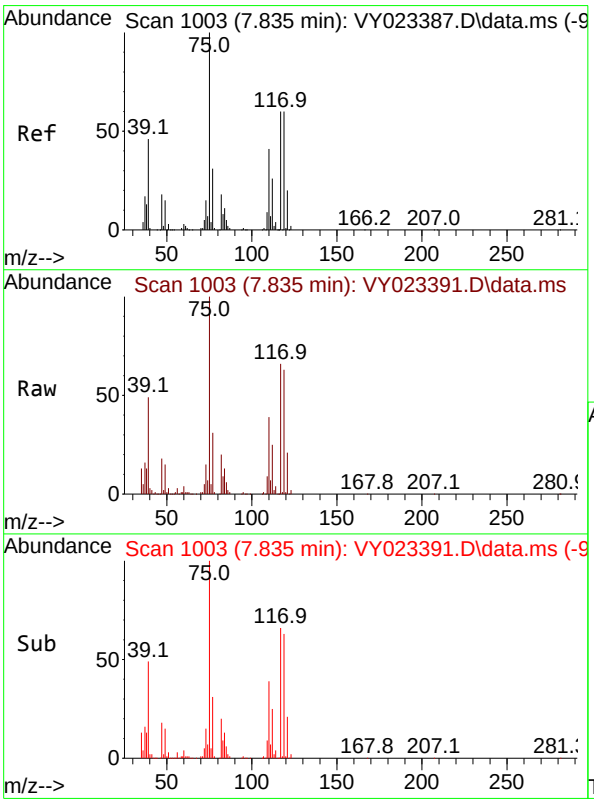
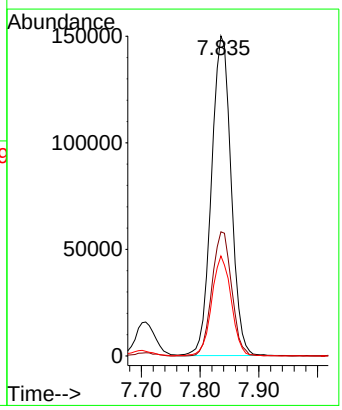


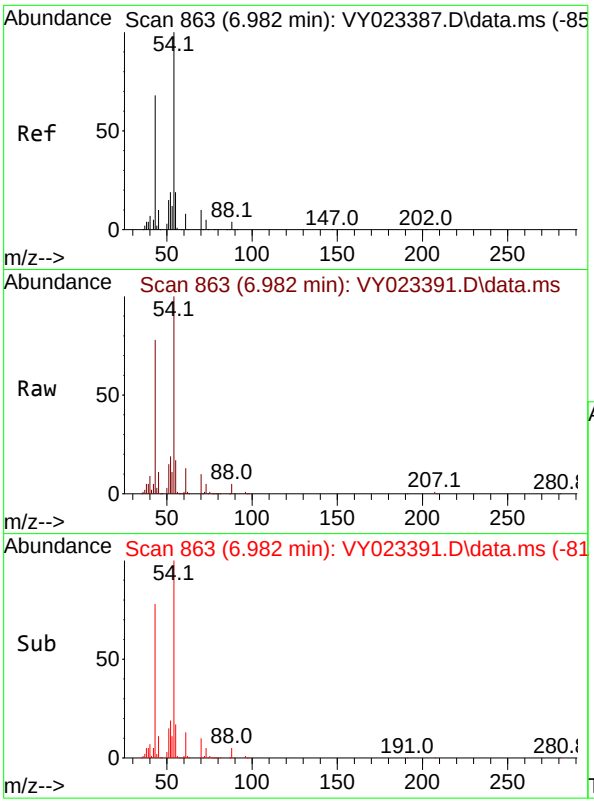


#36
1,1-Dichloropropene
Concen: 49.761 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 348786

Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.9	59.7
77	31.0	25.0	37.6





#37
Ethyl Acetate
Concen: 49.740 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 13811

Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.8	17.8
70	12.7	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
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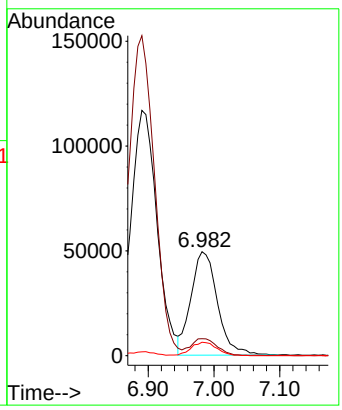
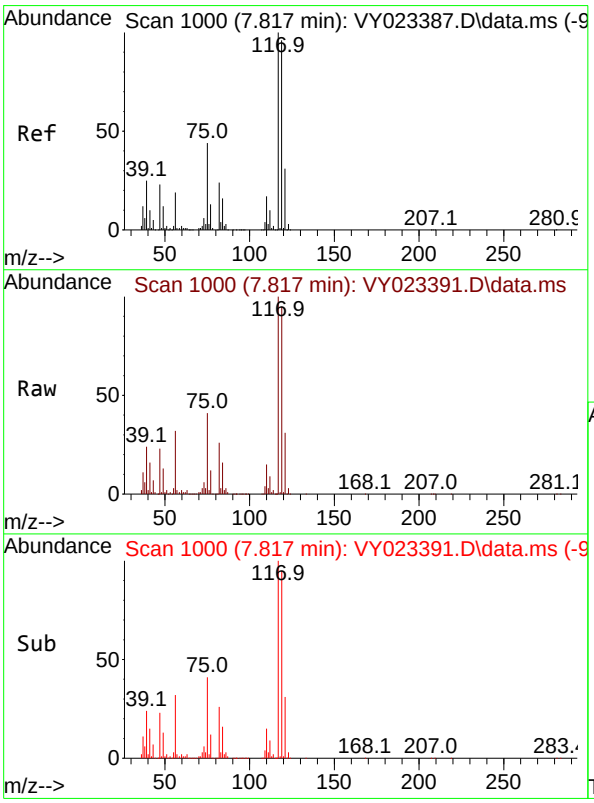
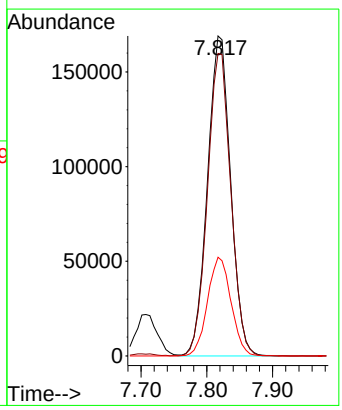


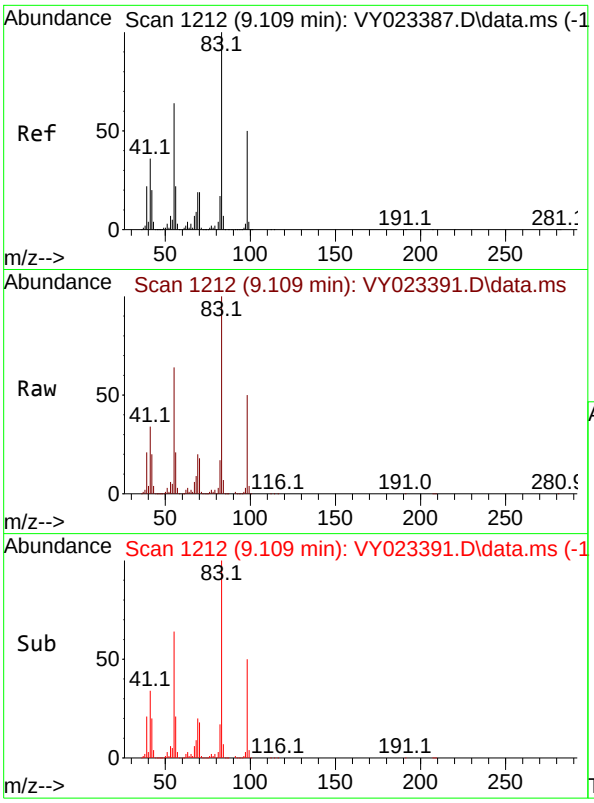


#38
Carbon Tetrachloride
Concen: 48.671 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:117 Resp: 413653

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.8	115.2
121	30.8	24.5	36.7

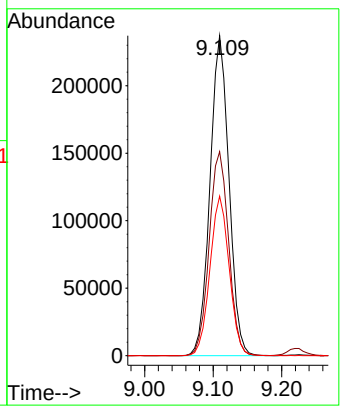




#39
Methylcyclohexane
Concen: 49.970 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 45603

Ion	Ratio	Lower	Upper
83	100		
55	63.8	51.4	77.2
98	49.9	40.4	60.6



Instrument :
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ClientSampleId :
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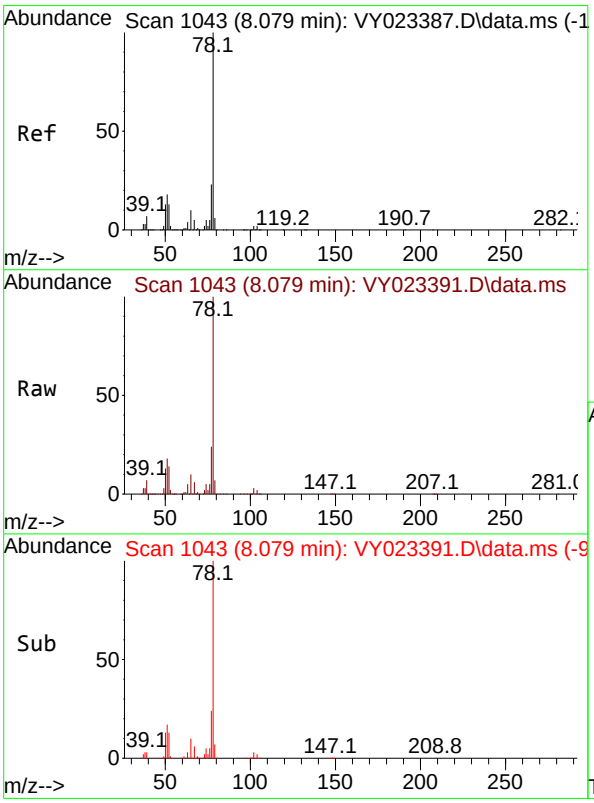
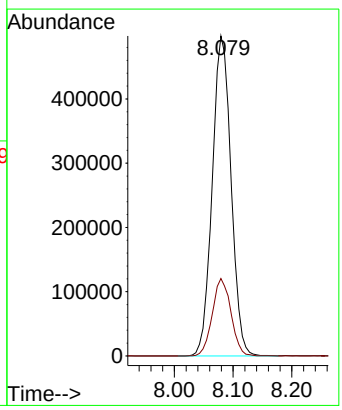
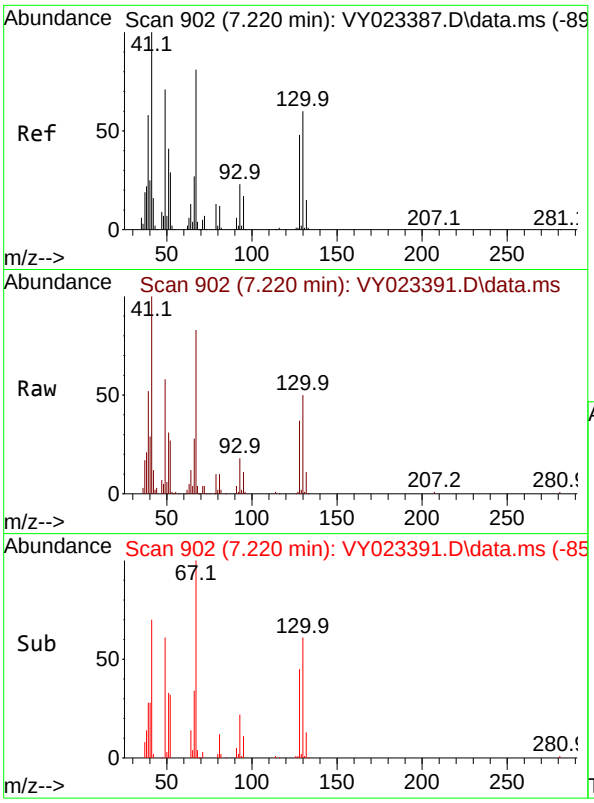


#40
Benzene
Concen: 49.906 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 78 Resp: 1107790

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.3	27.5

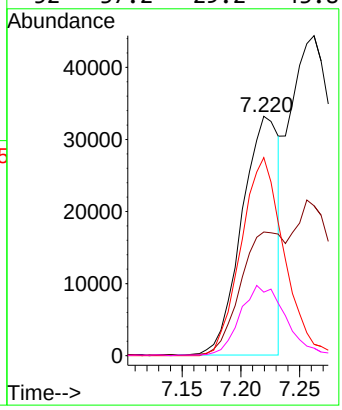




#41
Methacrylonitrile
Concen: 48.008 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 41 Resp: 7210

Ion	Ratio	Lower	Upper
41	100		
39	62.2	52.2	78.4
67	97.9	74.9	112.3
52	37.2	29.2	43.8



Instrument :
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ClientSampleId :
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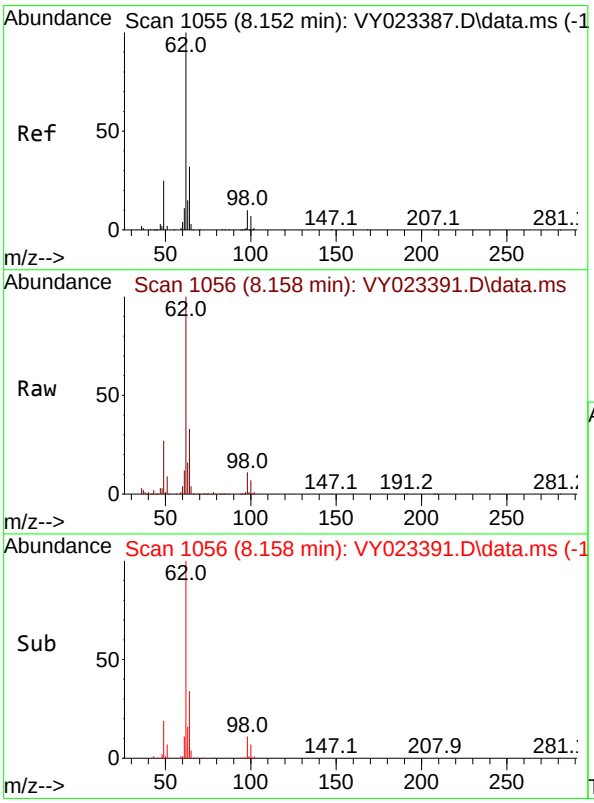
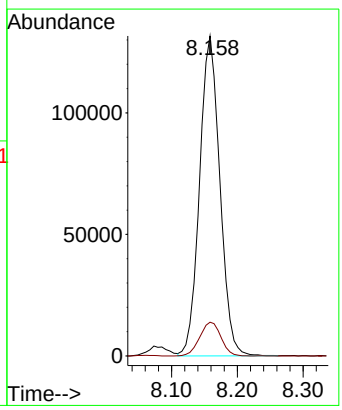
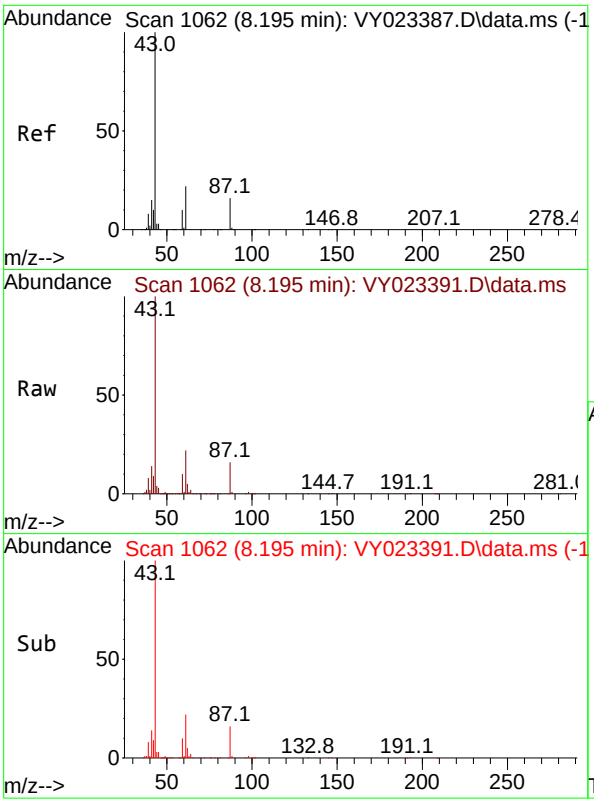


#42
1,2-Dichloroethane
Concen: 49.318 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 62 Resp: 282332

Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.6

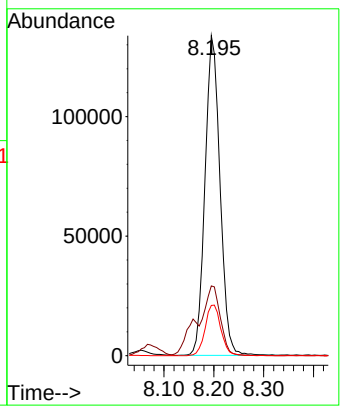




#43
Isopropyl Acetate
Concen: 50.548 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 27988

Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.1	27.1
87	16.7	13.5	20.3



Instrument :
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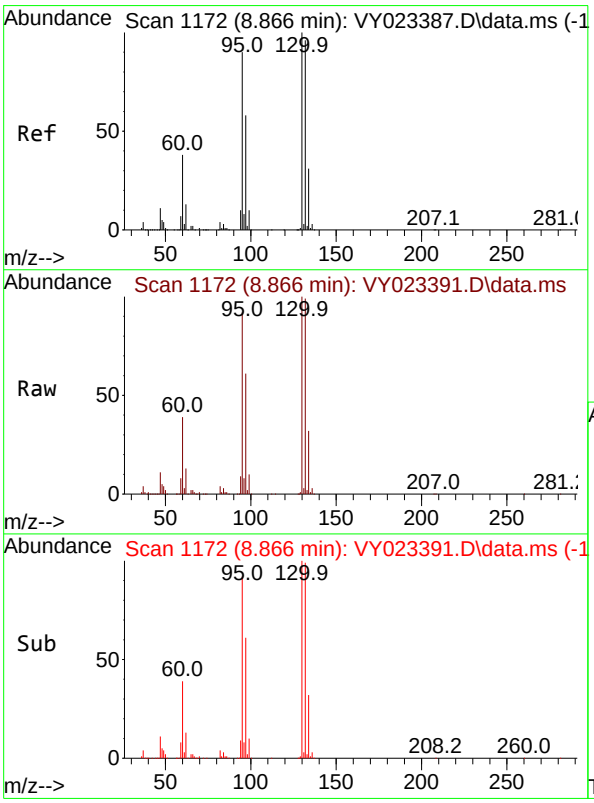
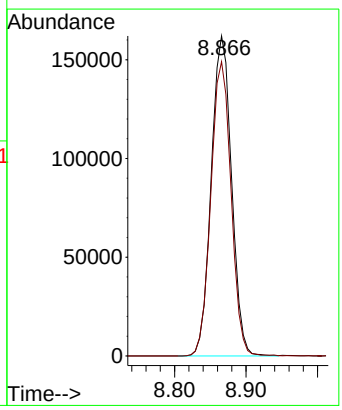
Supervised By :Mahesh Dadoda 10/10/2025

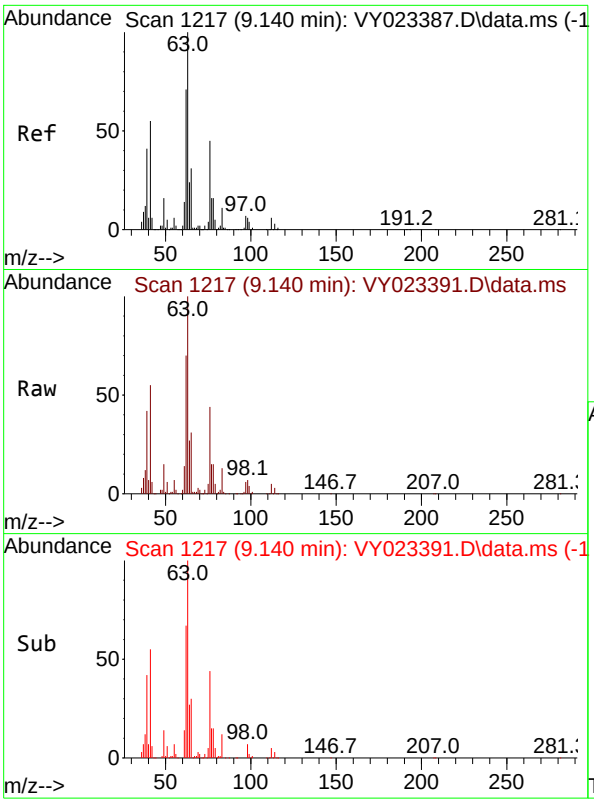


#44
Trichloroethene
Concen: 49.120 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:130 Resp: 319131

Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	180.6

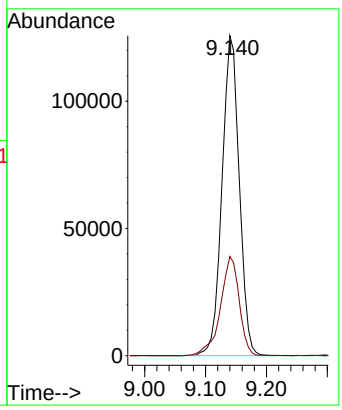




#45
1,2-Dichloropropane
Concen: 50.355 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 63 Resp: 24688

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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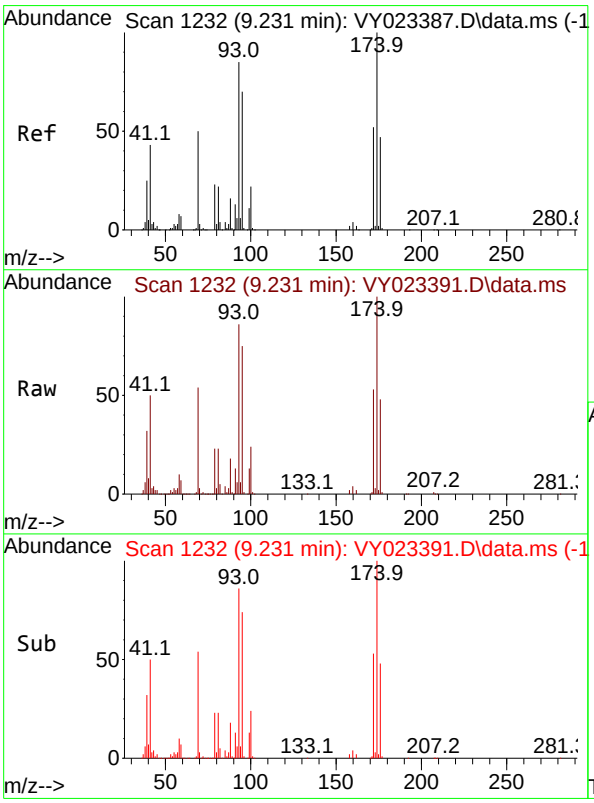
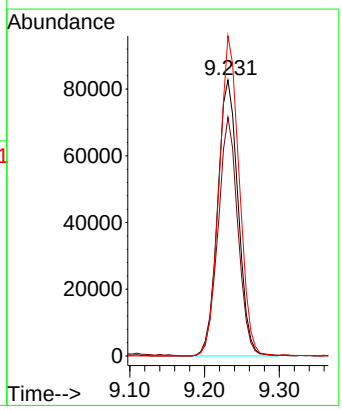
Supervised By :Mahesh Dadoda 10/10/2025

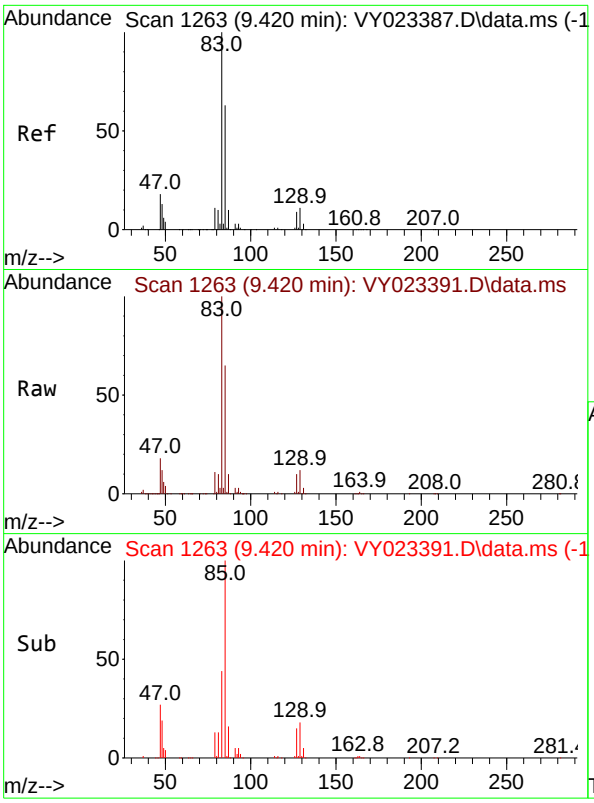


#46
Dibromomethane
Concen: 50.885 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 93 Resp: 157758

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.4	98.0
174	113.9	92.9	139.3

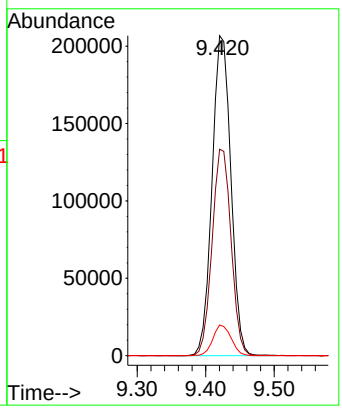




#47
Bromodichloromethane
Concen: 50.450 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 39391

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.8	76.2
127	9.6	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
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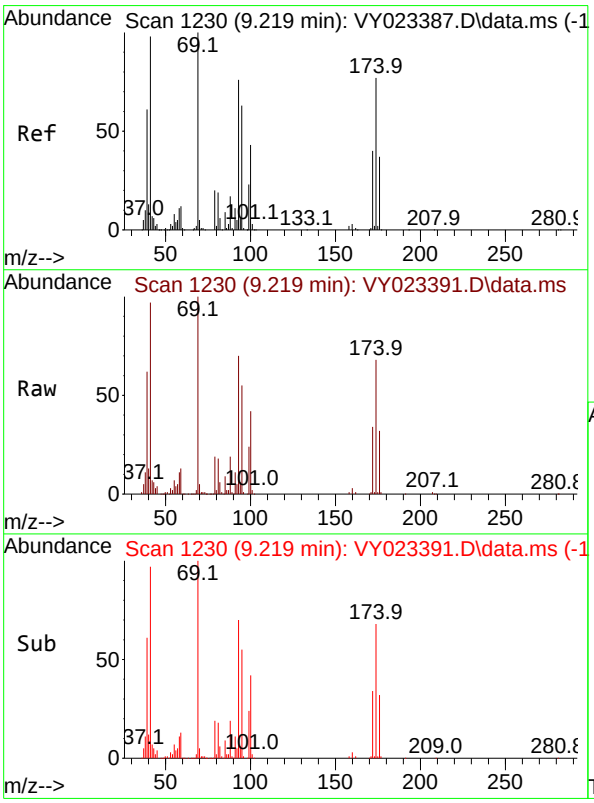
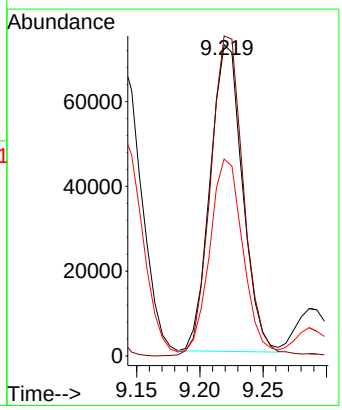
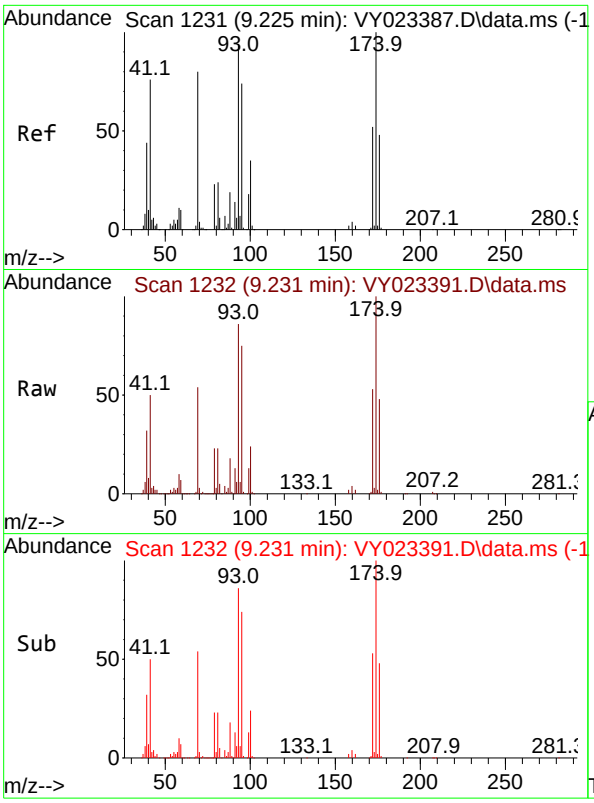


#48
Methyl methacrylate
Concen: 49.440 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 41 Resp: 128606

Ion	Ratio	Lower	Upper
41	100		
69	106.6	81.0	121.4
39	63.5	48.2	72.4





#49
1,4-Dioxane
Concen: 1039.252 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 88 Resp: 3735

Ion	Ratio	Lower	Upper
88	100		
43	27.4	21.8	32.8
58	61.4	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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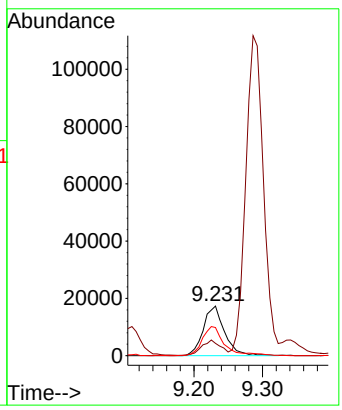
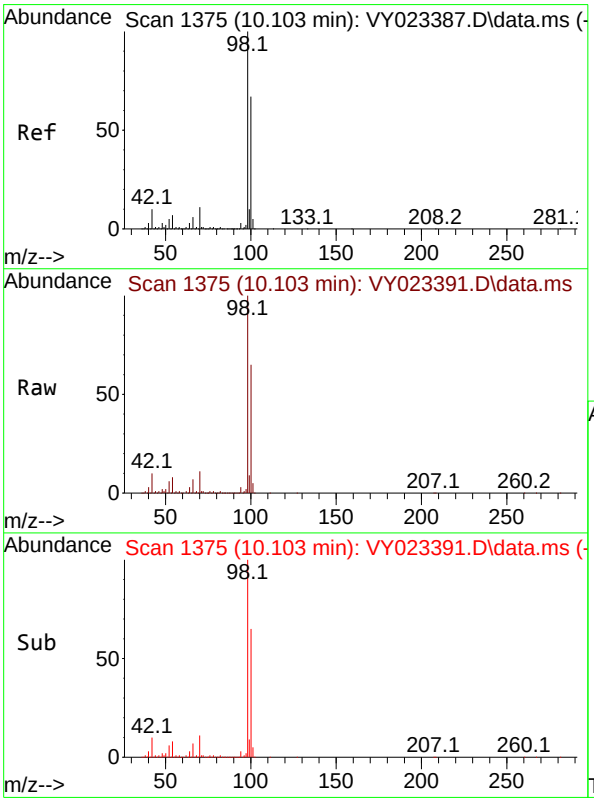
Supervised By :Mahesh Dadoda 10/10/2025

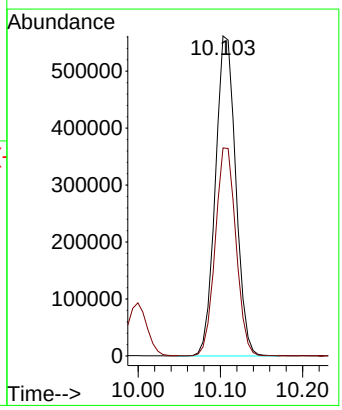


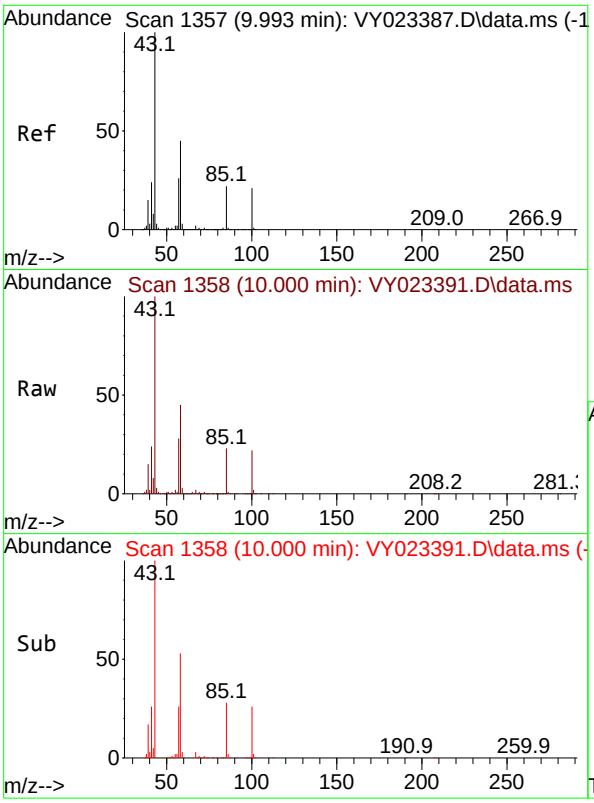


#50
Toluene-d8
Concen: 49.228 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 98 Resp: 970614

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4

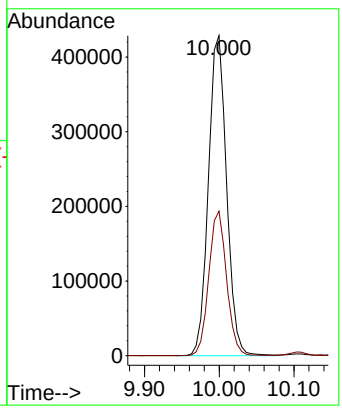




#51
4-Methyl-2-Pentanone
Concen: 253.421 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 72499

Ion	Ratio	Lower	Upper
43	100		
58	44.4	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
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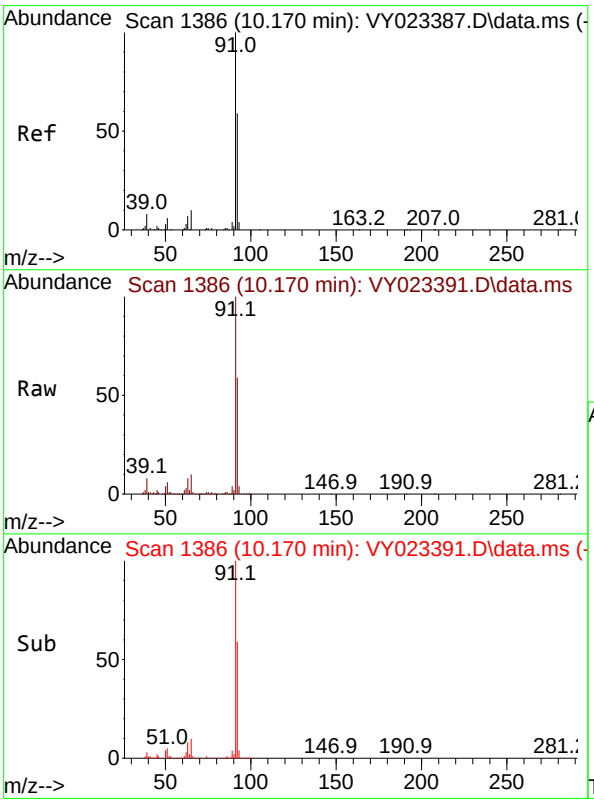
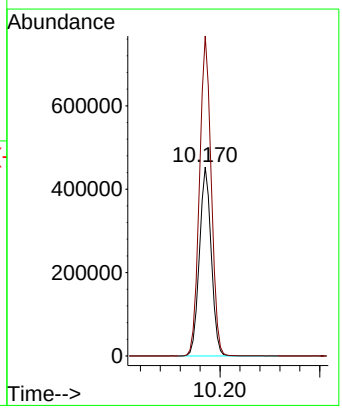
Supervised By :Mahesh Dadoda 10/10/2025

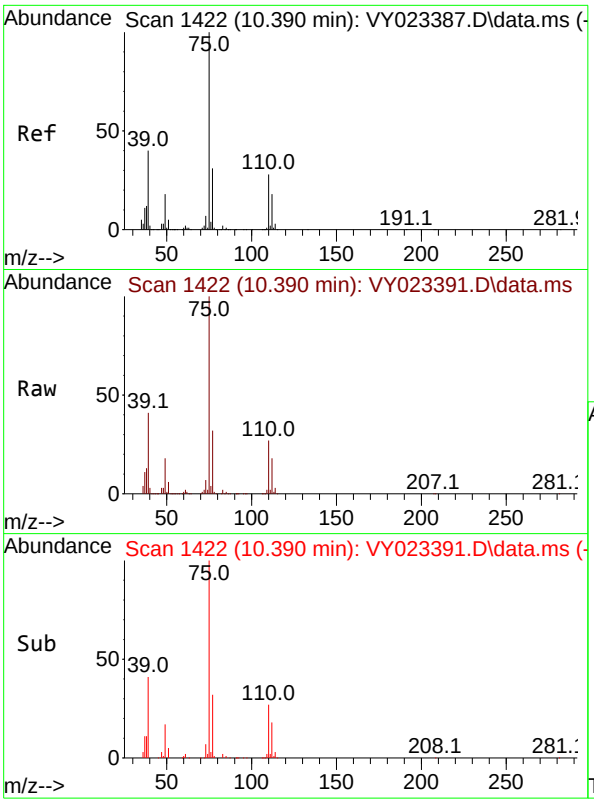


#52
Toluene
Concen: 51.556 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 92 Resp: 743055

Ion	Ratio	Lower	Upper
92	100		
91	168.9	136.4	204.6

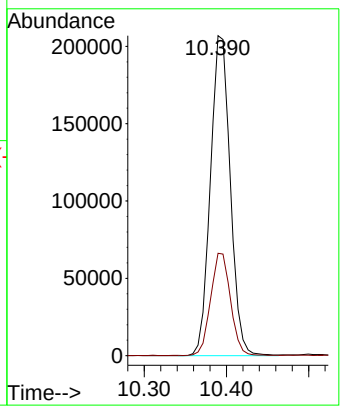




#53
t-1,3-Dichloropropene
Concen: 51.160 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 34733

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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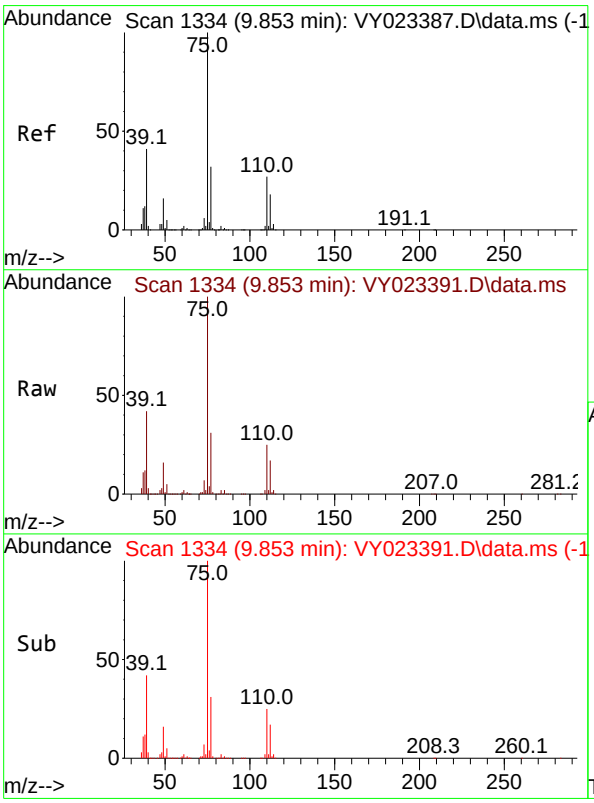
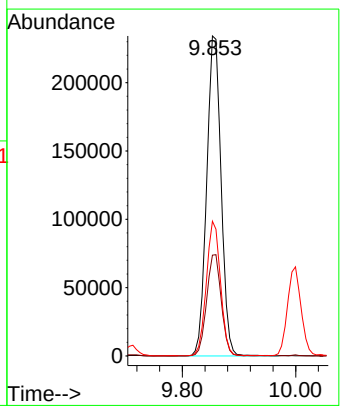
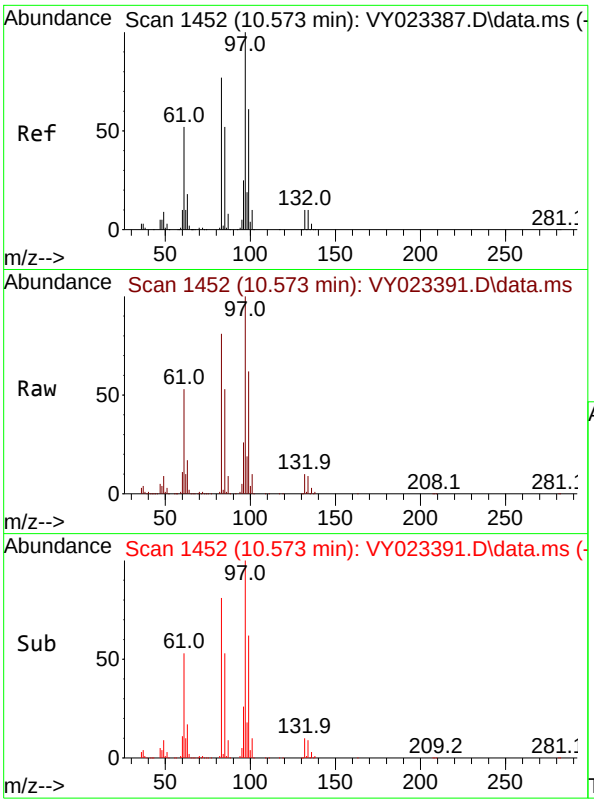


#54
cis-1,3-Dichloropropene
Concen: 51.649 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 413860

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	42.1	32.8	49.2

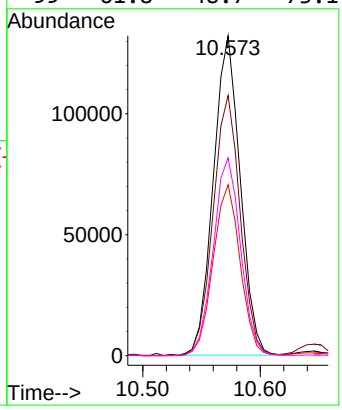




#55
1,1,2-Trichloroethane
Concen: 50.430 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 97 Resp: 21024

Ion	Ratio	Lower	Upper
97	100		
83	81.4	61.8	92.6
85	53.5	41.3	61.9
99	61.8	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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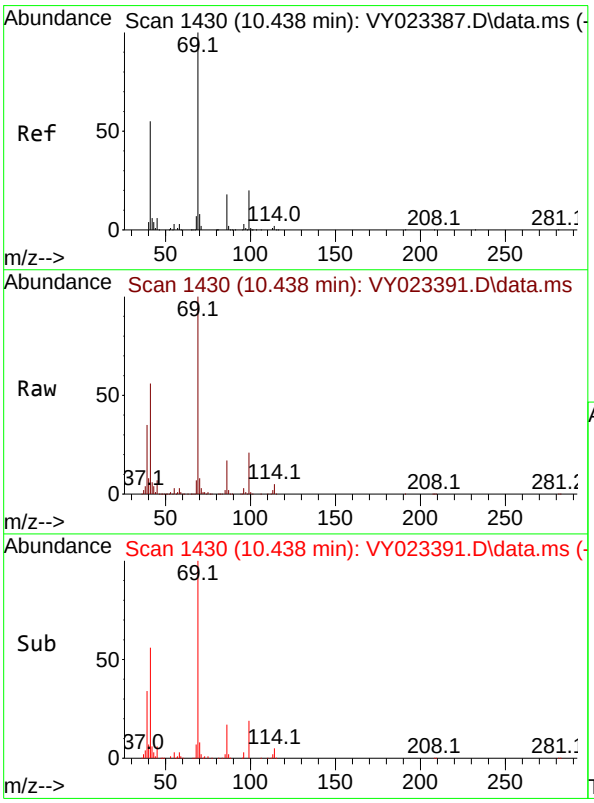
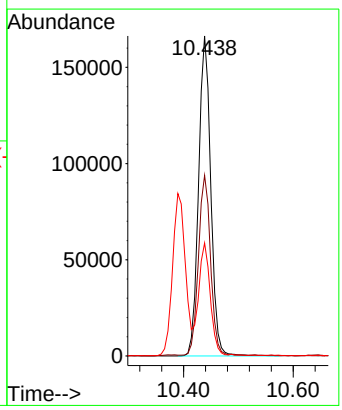
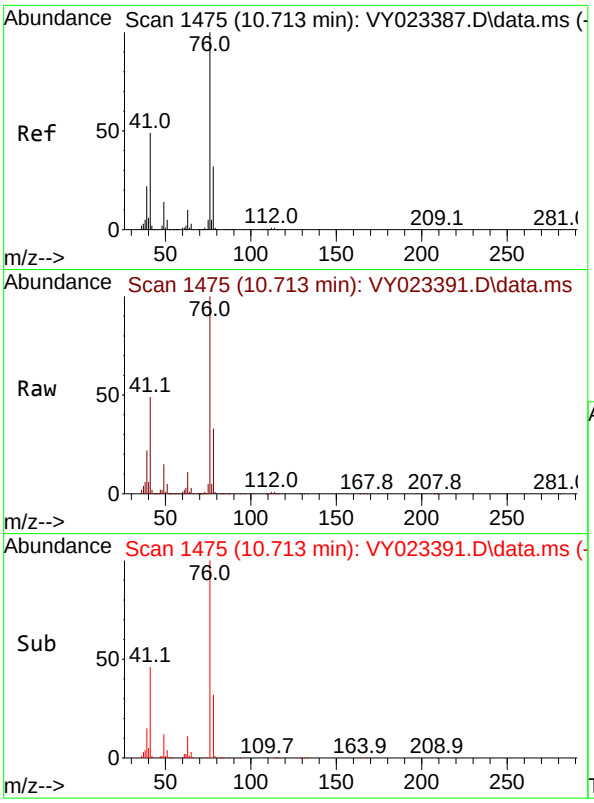


#56
Ethyl methacrylate
Concen: 53.385 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 69 Resp: 256731

Ion	Ratio	Lower	Upper
69	100		
41	56.1	44.6	67.0
39	34.2	27.0	40.4

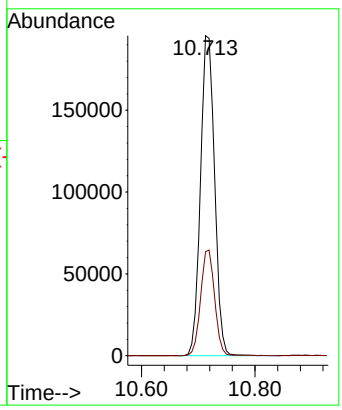




#57
1,3-Dichloropropane
Concen: 51.113 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 76 Resp: 33767

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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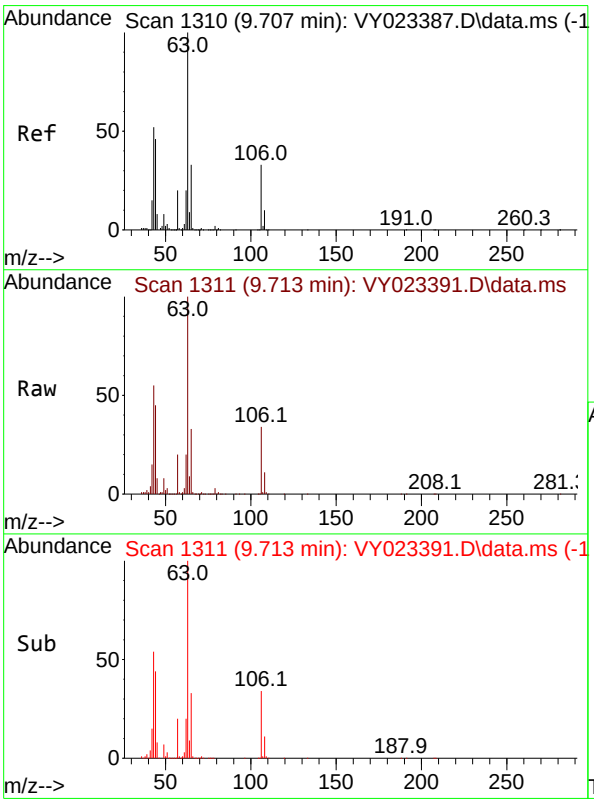
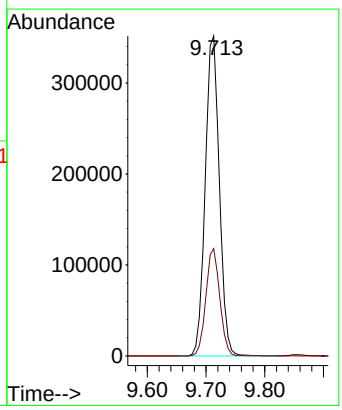
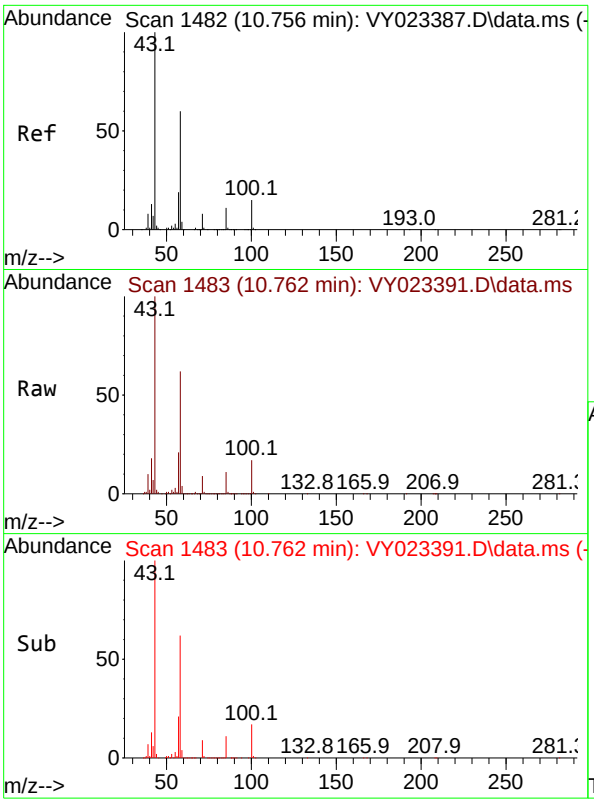


#58
2-Chloroethyl Vinyl ether
Concen: 272.133 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 63 Resp: 586266

Ion	Ratio	Lower	Upper
63	100		
106	33.2	26.6	39.8





#59
2-Hexanone
Concen: 245.480 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 50187

Ion	Ratio	Lower	Upper
43	100		
58	61.7	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
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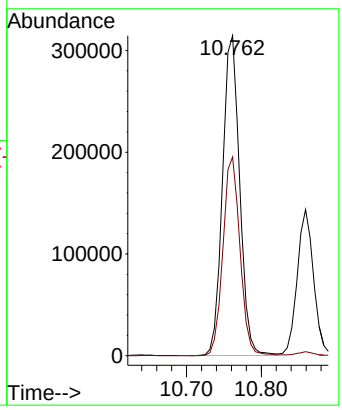
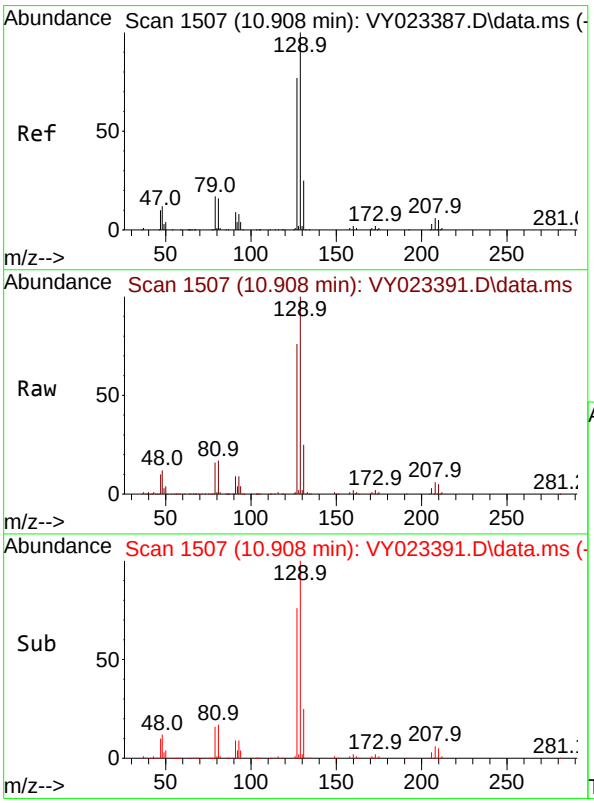
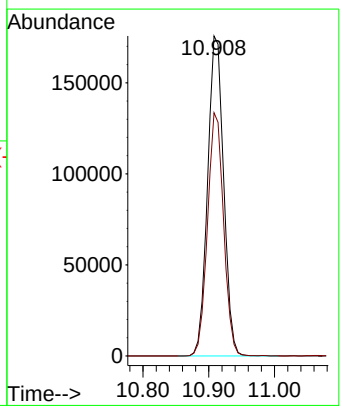


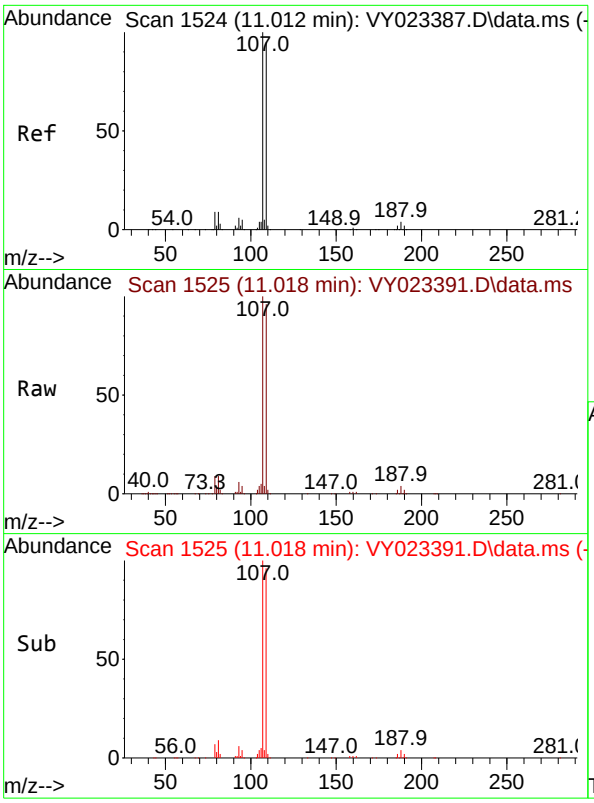


#60
Dibromochloromethane
Concen: 50.974 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:129 Resp: 297946

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.7





#61
1,2-Dibromoethane
Concen: 50.658 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:107 Resp: 20141

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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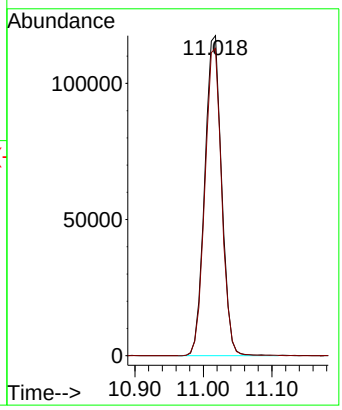
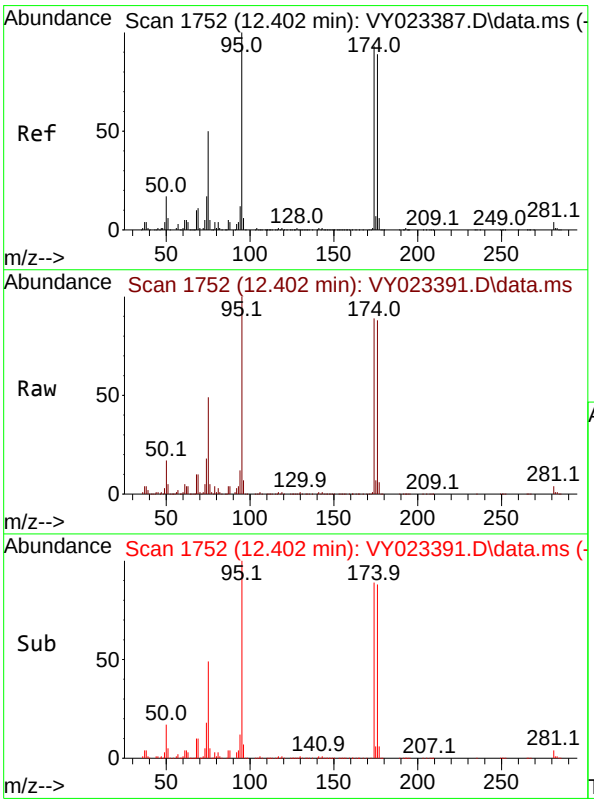
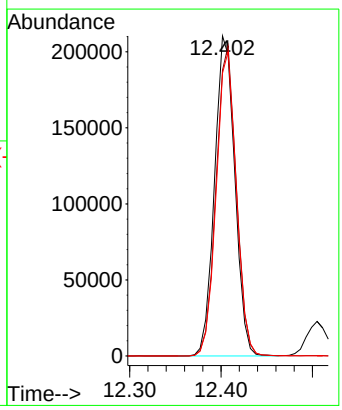


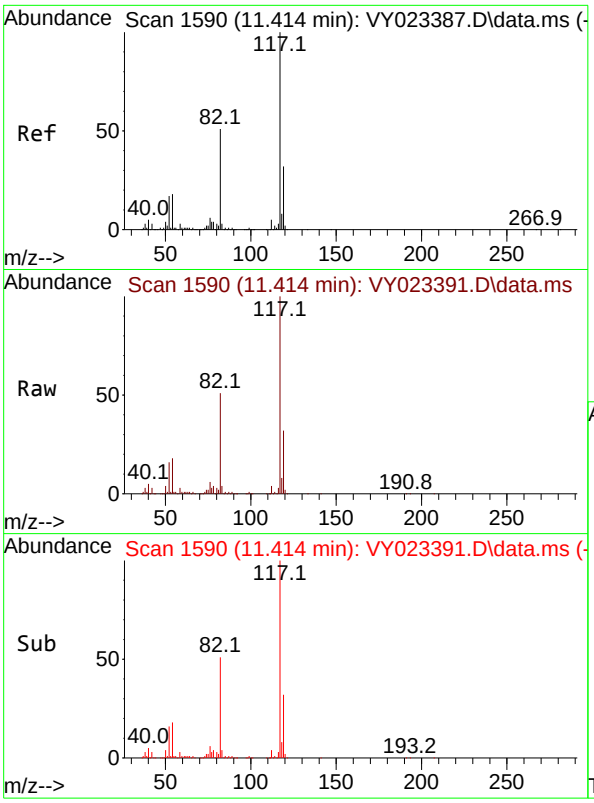


#62
4-Bromofluorobenzene
Concen: 49.881 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 95 Resp: 324700

Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	192.8
176	93.9	0.0	187.6

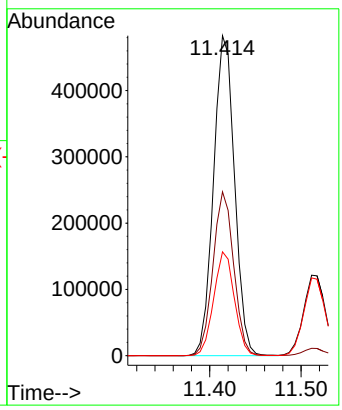




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:117 Resp: 77137

Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.0	61.4
119	32.5	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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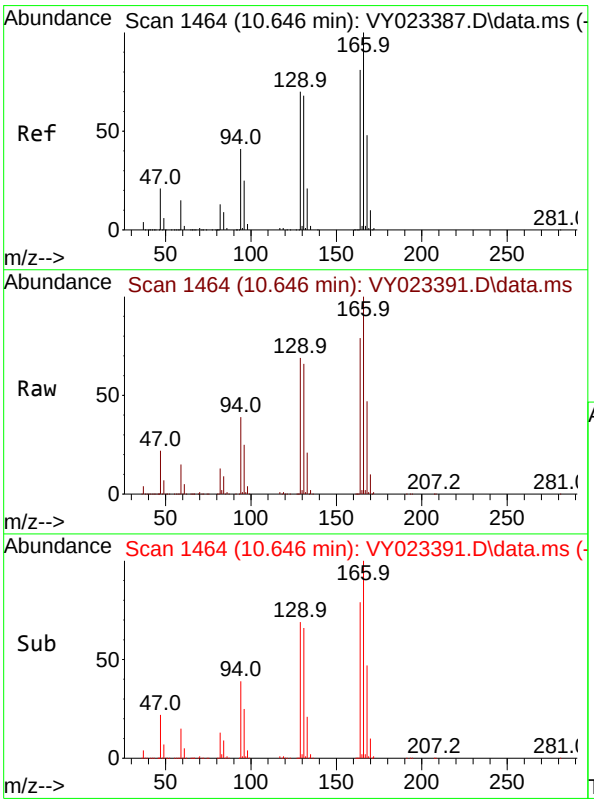
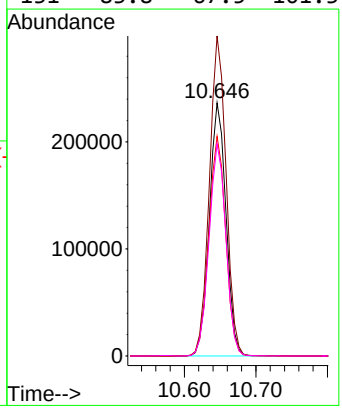
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

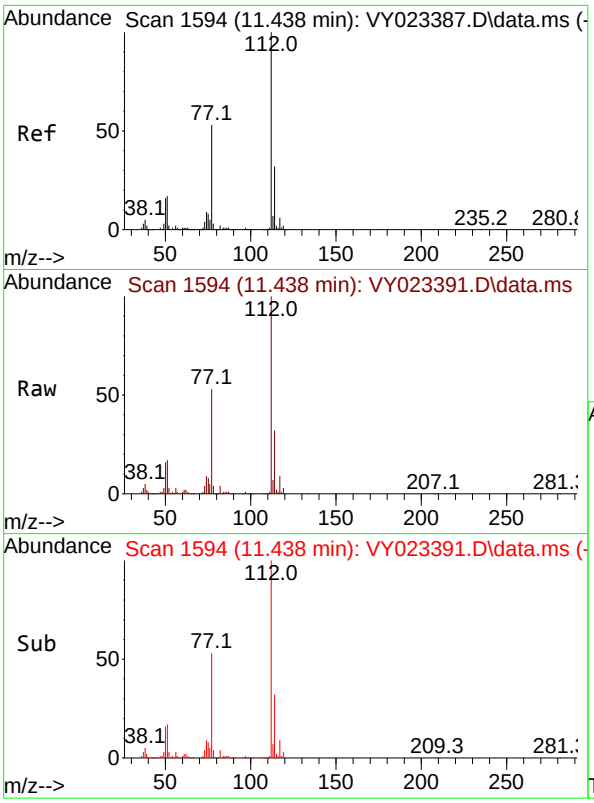


#64
Tetrachloroethene
Concen: 48.087 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:164 Resp: 382998

Ion	Ratio	Lower	Upper
164	100		
166	126.4	99.4	149.0
129	86.7	69.4	104.2
131	83.8	67.5	101.3

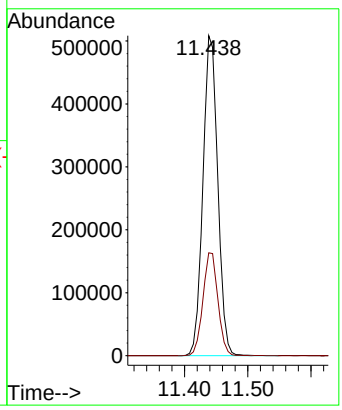




#65
Chlorobenzene
Concen: 49.381 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:112 Resp: 82846

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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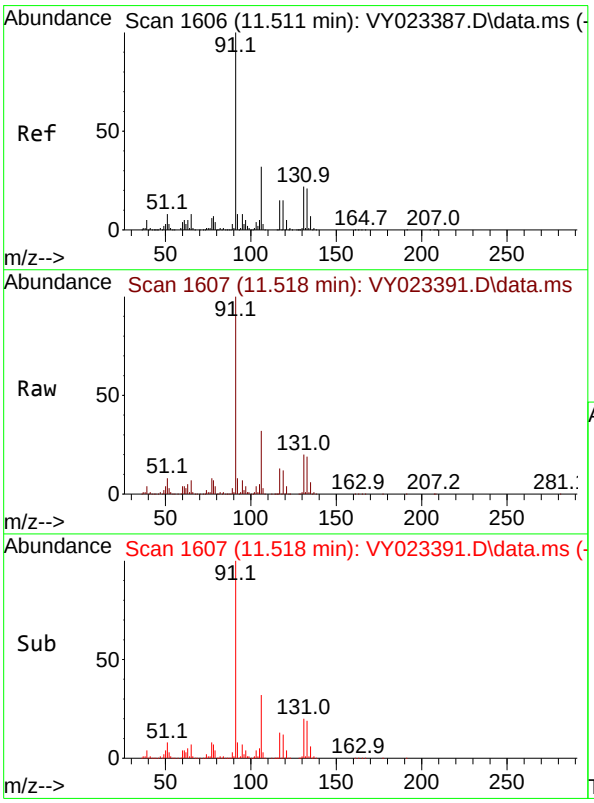
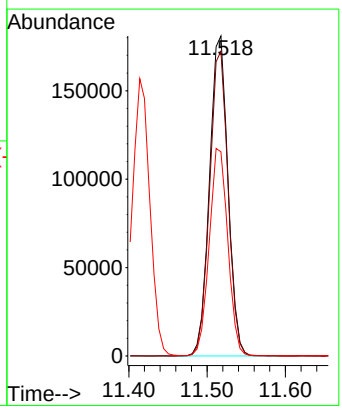
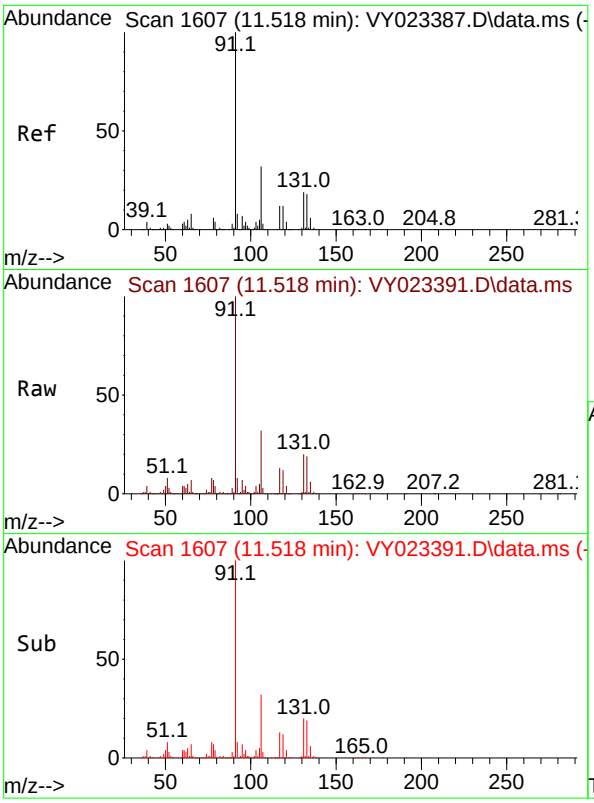


#66
1,1,1,2-Tetrachloroethane
Concen: 49.537 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:131 Resp: 296157

Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.4	145.2
119	65.2	32.4	97.2

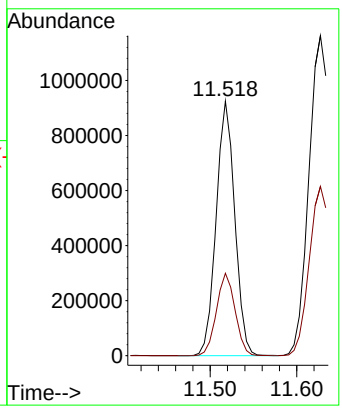




#67
Ethyl Benzene
Concen: 50.841 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 138069

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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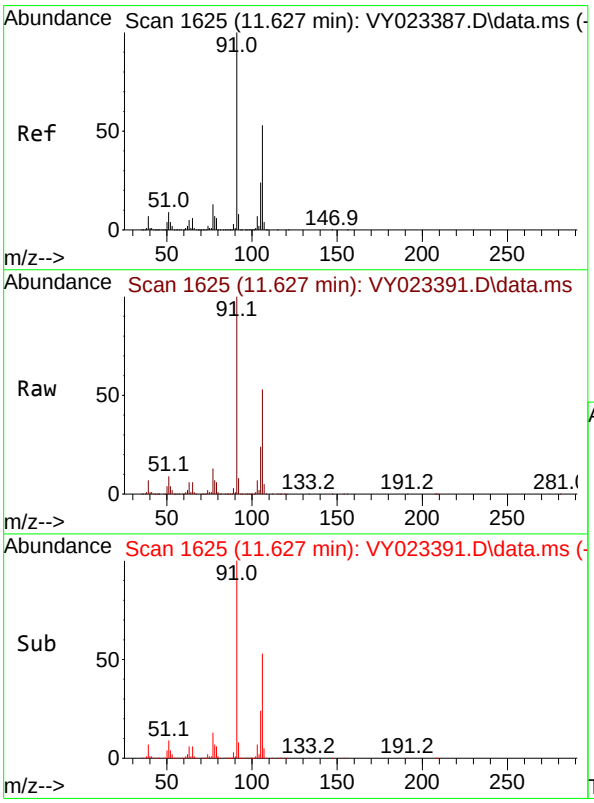
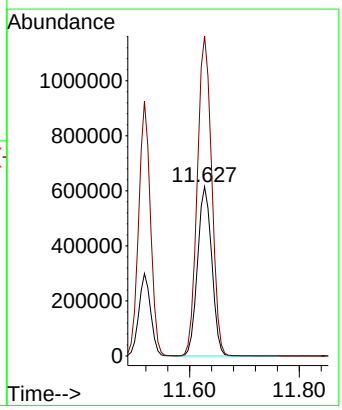
Supervised By :Mahesh Dadoda 10/10/2025

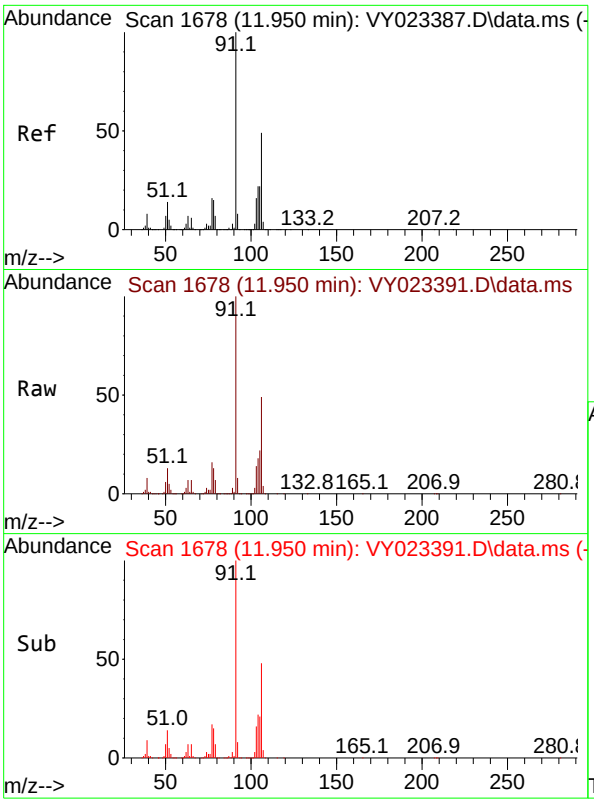


#68
m/p-Xylenes
Concen: 101.757 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:106 Resp: 1108386

Ion	Ratio	Lower	Upper
106	100		
91	190.7	152.6	229.0

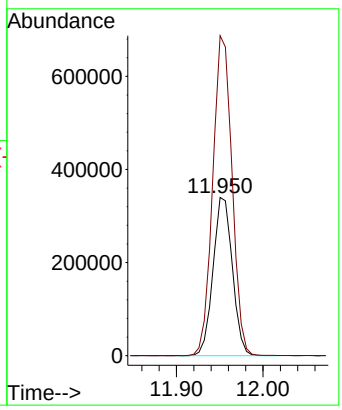




#69
o-Xylene
Concen: 51.577 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:106 Resp: 52695

Ion	Ratio	Lower	Upper
106	100		
91	202.1	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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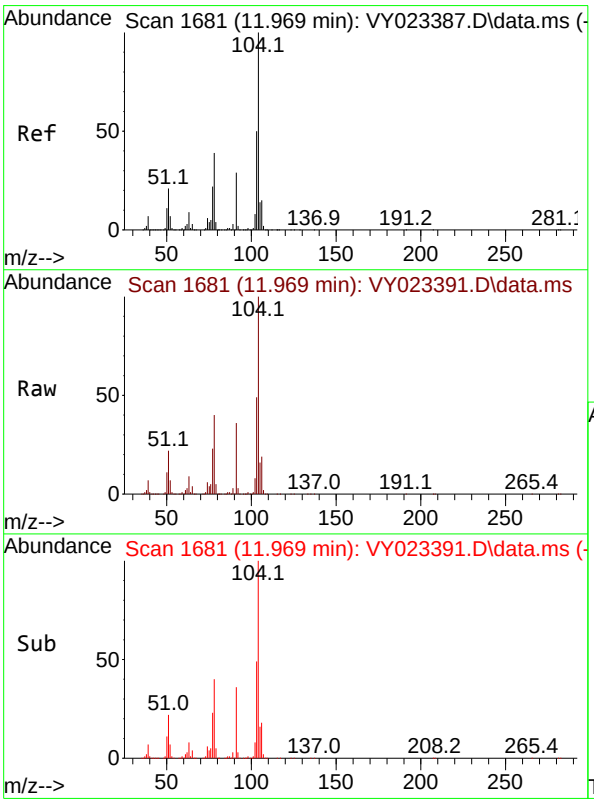
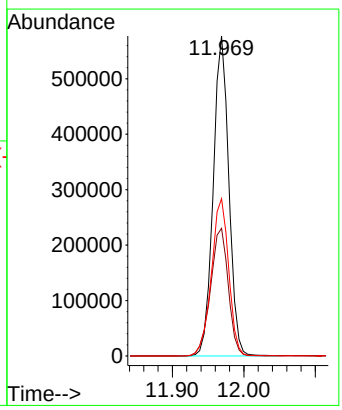
Supervised By :Mahesh Dadoda 10/10/2025

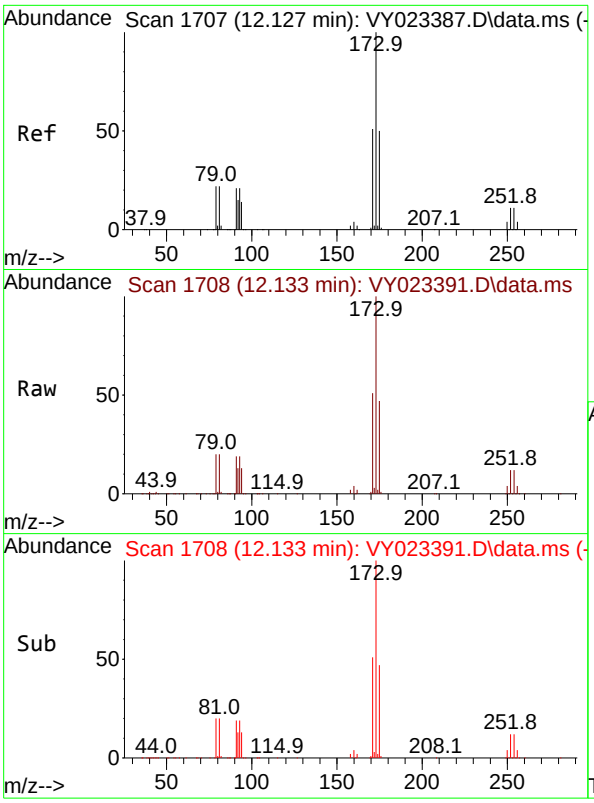


#70
Styrene
Concen: 52.122 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:104 Resp: 875709

Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.1	54.1
103	54.2	43.2	64.8

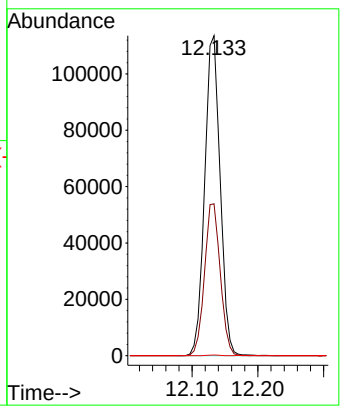




#71
Bromoform
Concen: 50.070 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:173 Resp: 18568

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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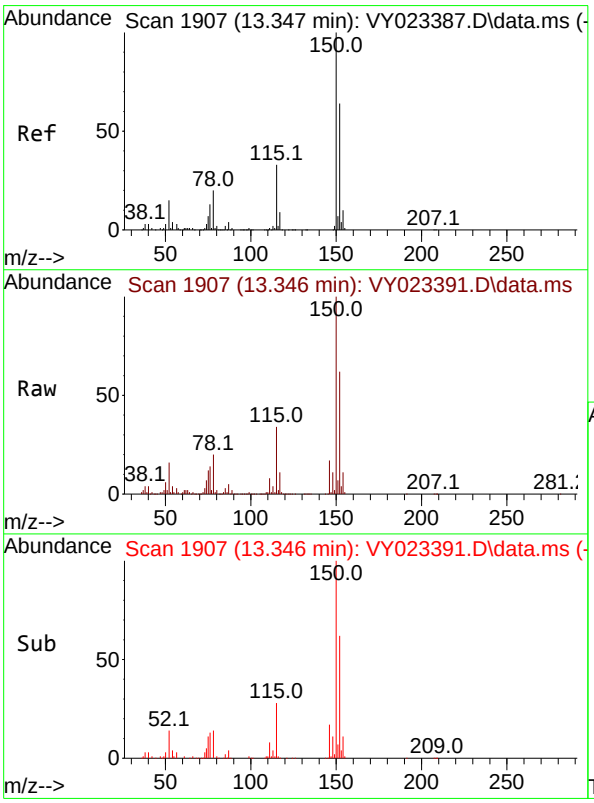
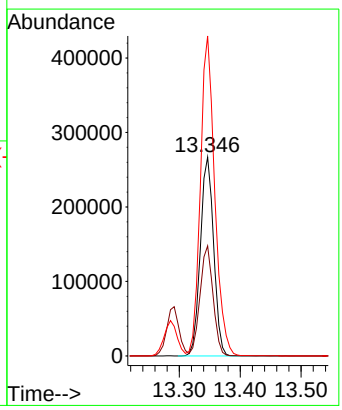
Supervised By :Mahesh Dadoda 10/10/2025

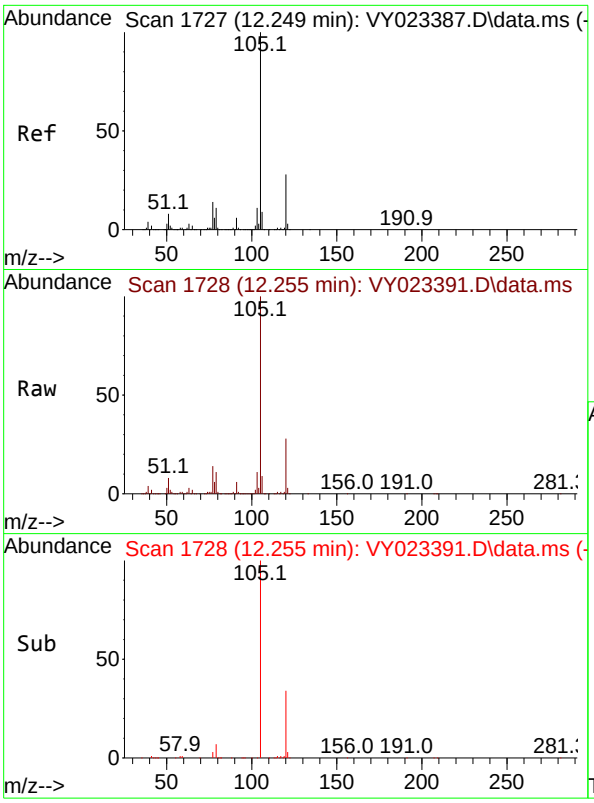


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:152 Resp: 405636

Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.2
150	173.7	0.0	347.4

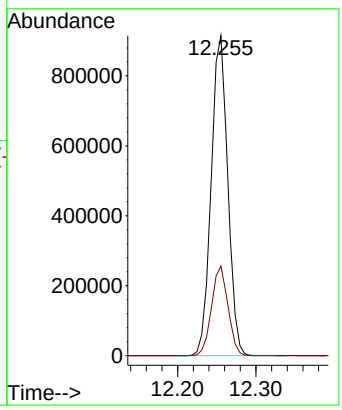




#73
Isopropylbenzene
Concen: 50.318 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 134510

Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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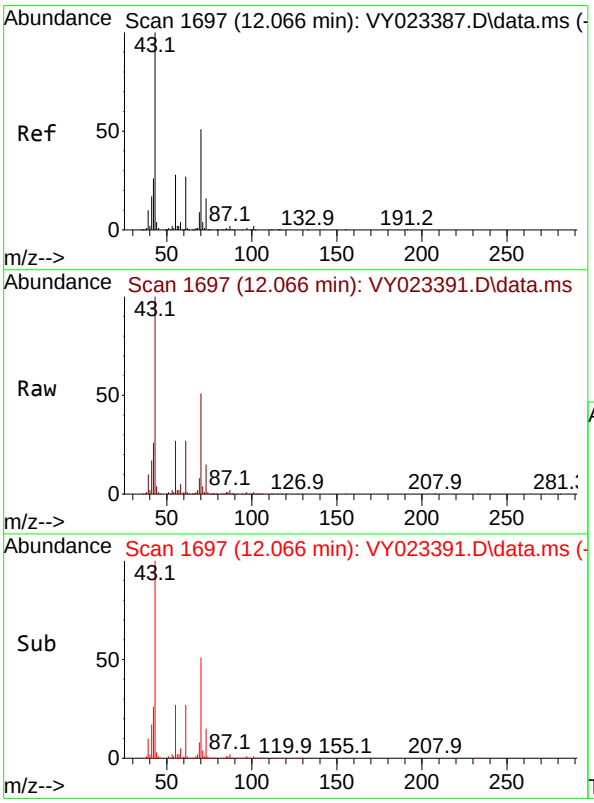
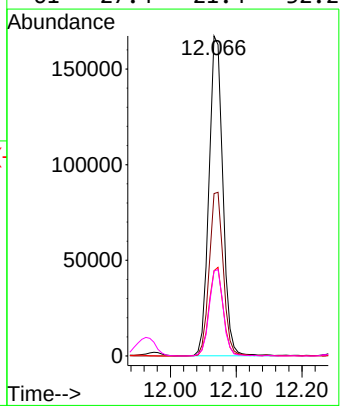
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

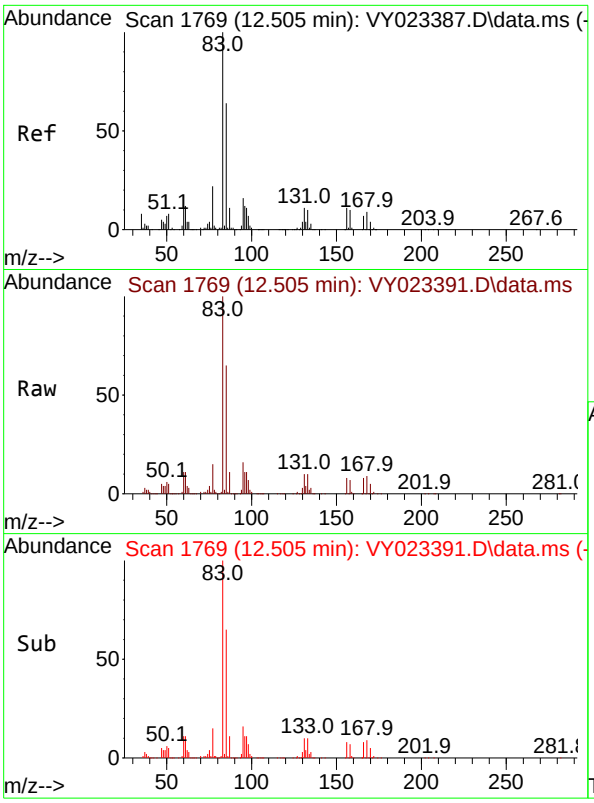


#74
N-amyl acetate
Concen: 51.087 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 245291

Ion	Ratio	Lower	Upper
43	100		
70	51.8	41.1	61.7
55	28.3	23.0	34.6
61	27.4	21.4	32.2

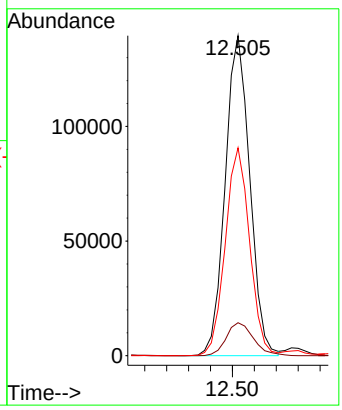




#75
1,1,2,2-Tetrachloroethane
Concen: 49.688 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 21724

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.9	17.6
85	64.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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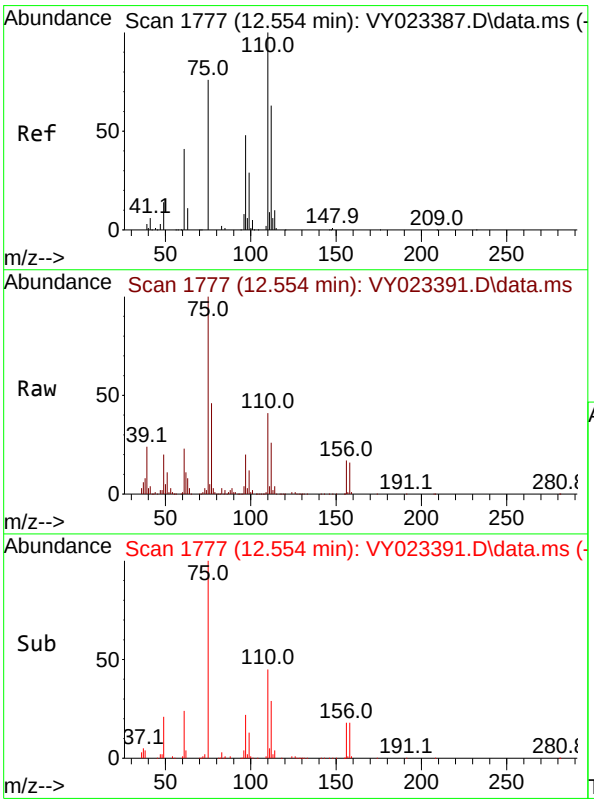
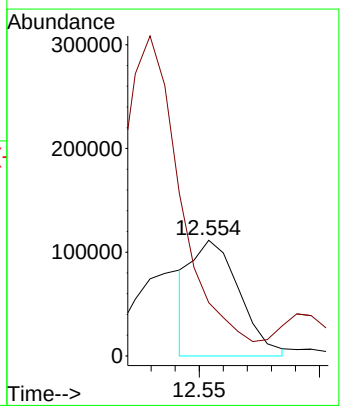
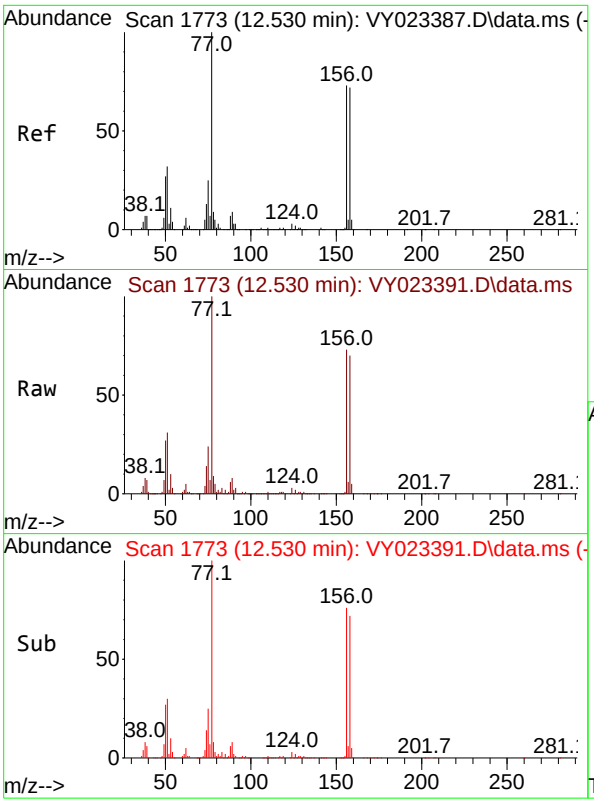


#76
1,2,3-Trichloropropane
Concen: 42.874 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 153438

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

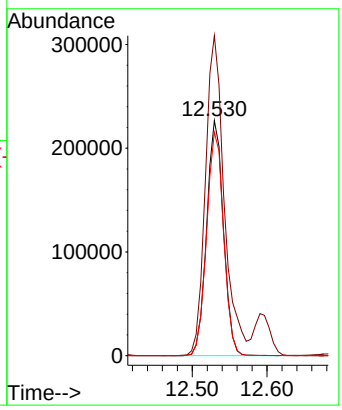




#77
Bromobenzene
Concen: 49.590 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:156 Resp: 35242

Ion	Ratio	Lower	Upper
156	100		
77	152.8	76.8	230.5
158	96.5	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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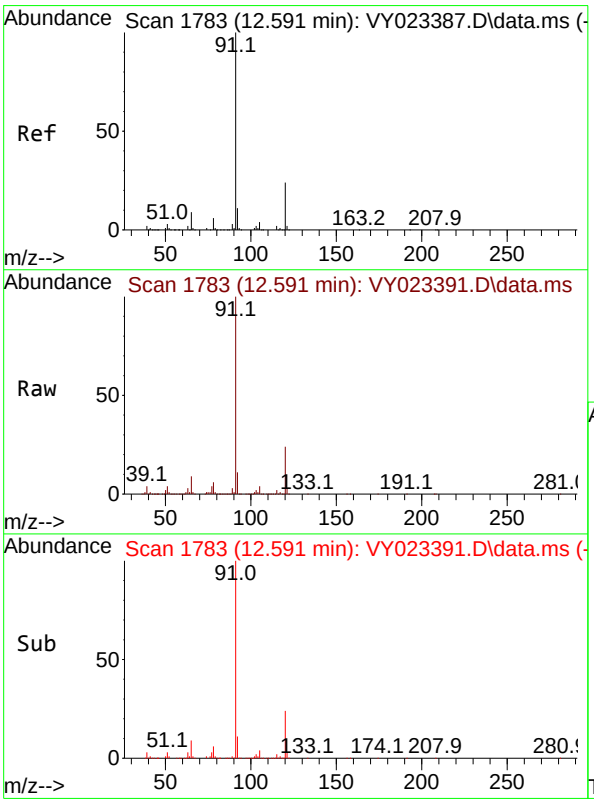
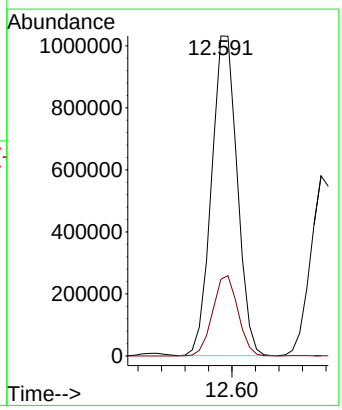
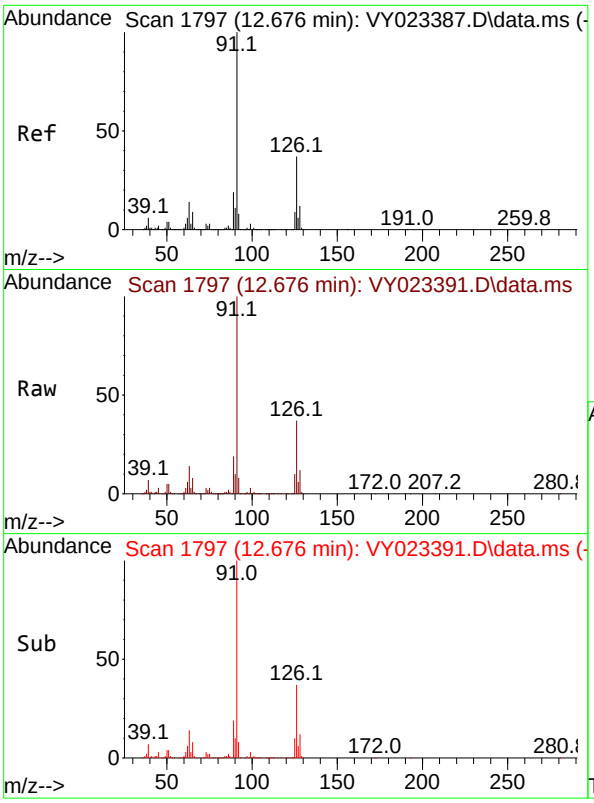


#78
n-propylbenzene
Concen: 50.694 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 1568180

Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.8

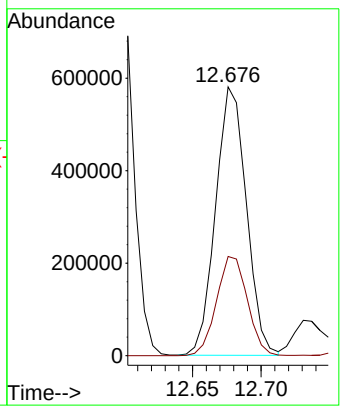




#79
2-Chlorotoluene
Concen: 50.047 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 90661

Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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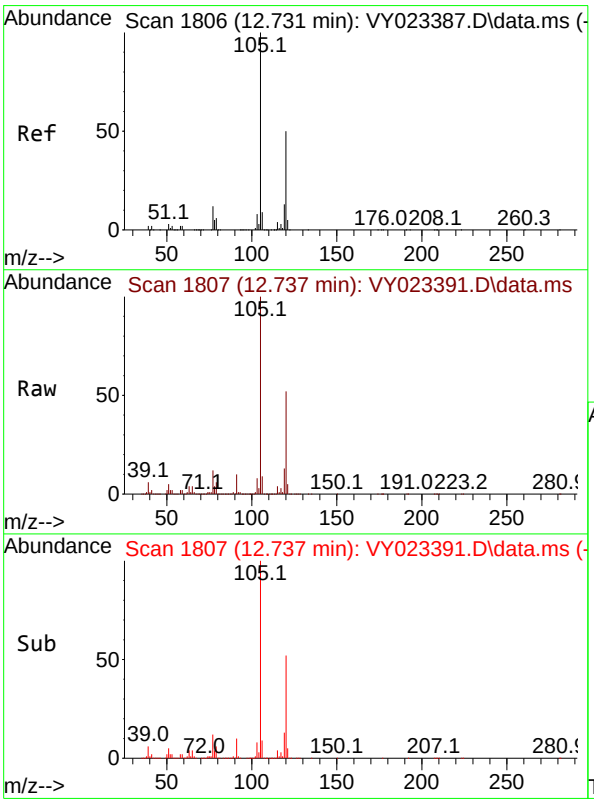
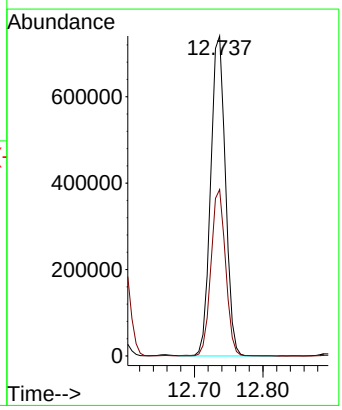
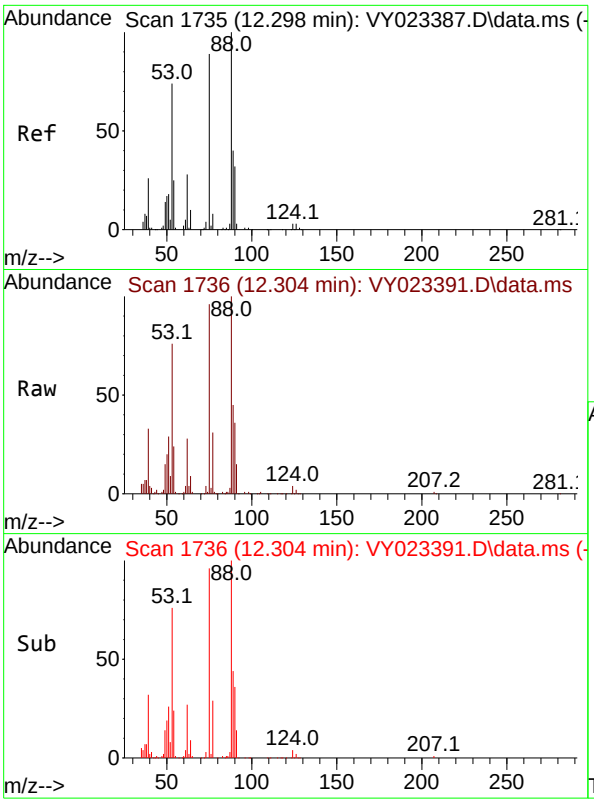


#80
1,3,5-Trimethylbenzene
Concen: 51.231 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 1106664

Ion	Ratio	Lower	Upper
105	100		
120	51.4	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 46.566 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

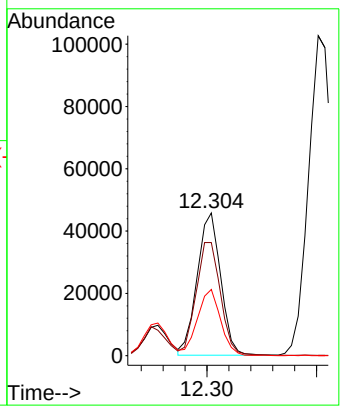
Tgt Ion: 75 Resp: 6795

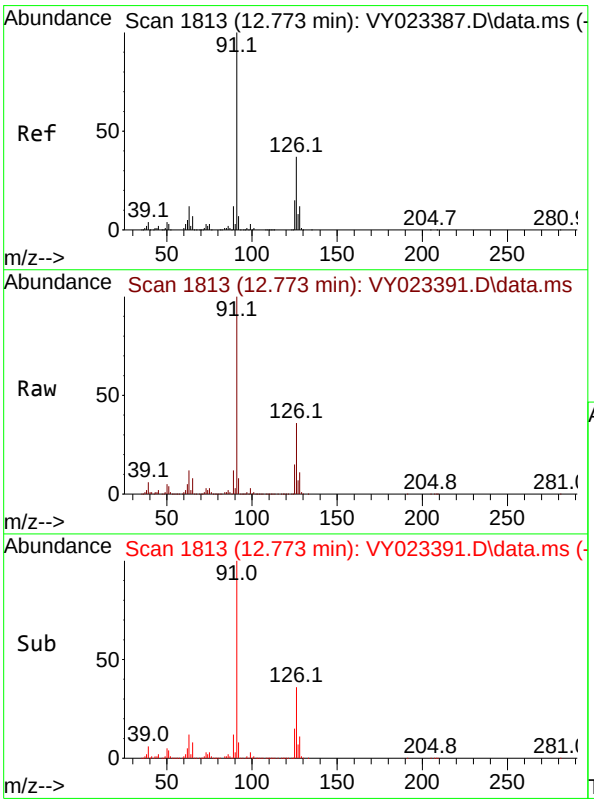
Ion	Ratio	Lower	Upper
75	100		
53	82.6	68.6	102.8
89	46.5	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

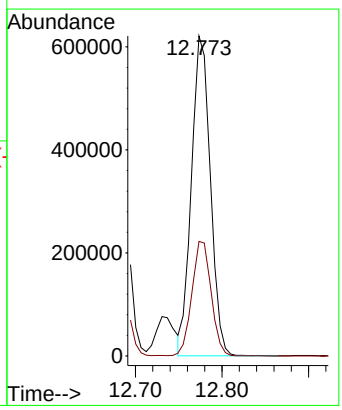


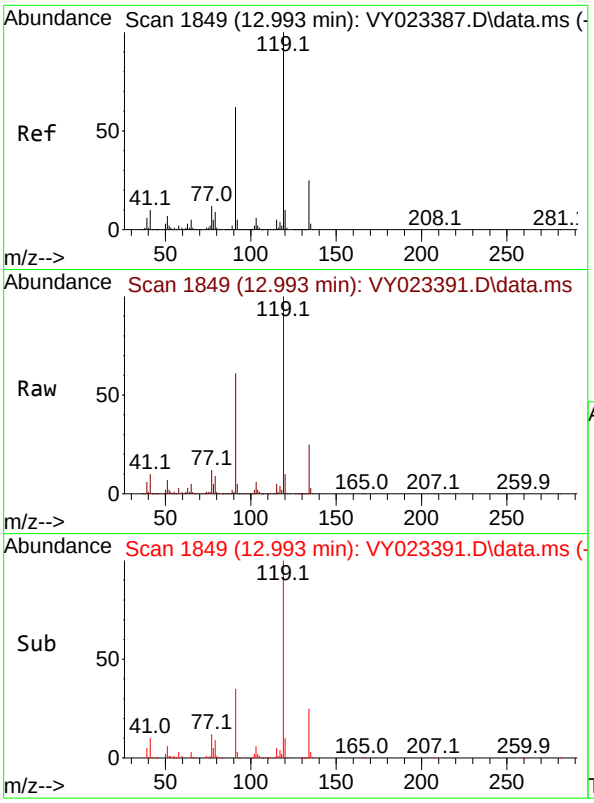


#82
4-Chlorotoluene
Concen: 50.455 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 941314

Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.4	55.4

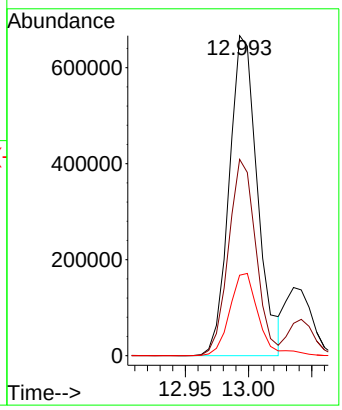




#83
tert-Butylbenzene
Concen: 52.019 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:119 Resp: 103751

Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.9	89.8
134	26.3	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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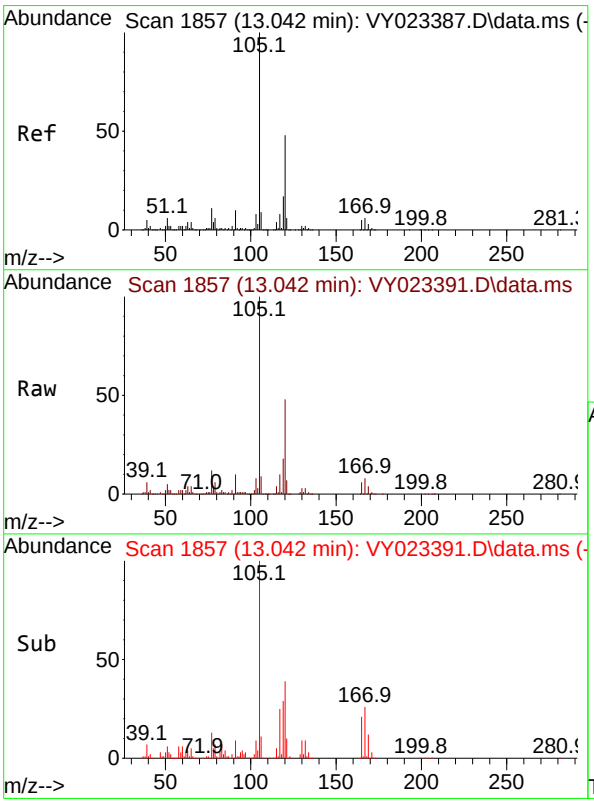
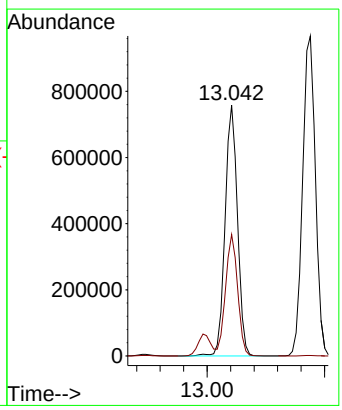
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

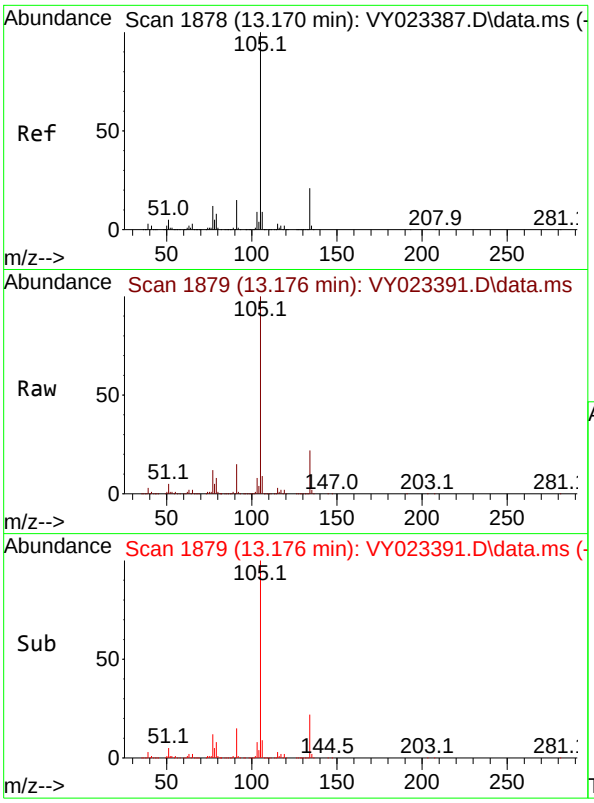


#84
1,2,4-Trimethylbenzene
Concen: 51.520 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 1110672

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.2

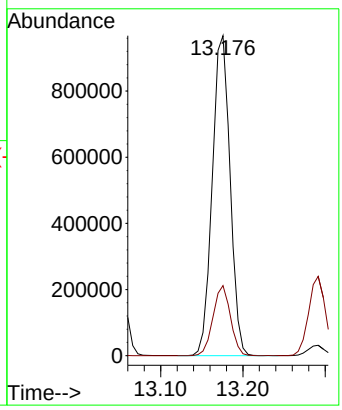




#85
sec-Butylbenzene
Concen: 50.848 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 145477

Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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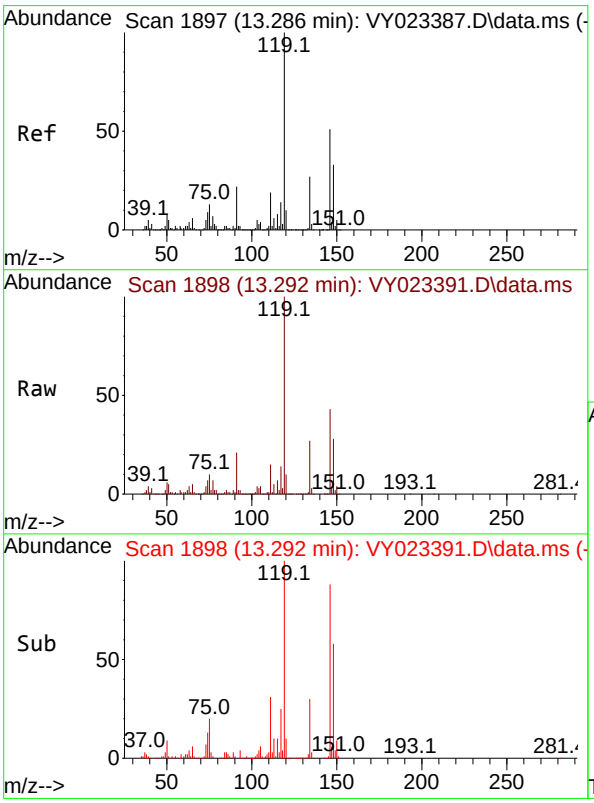
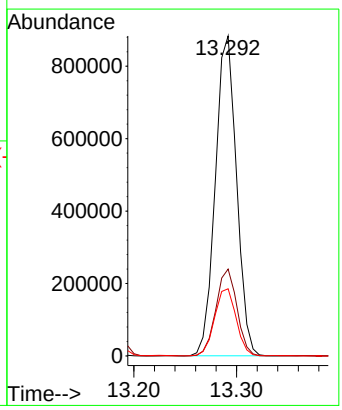
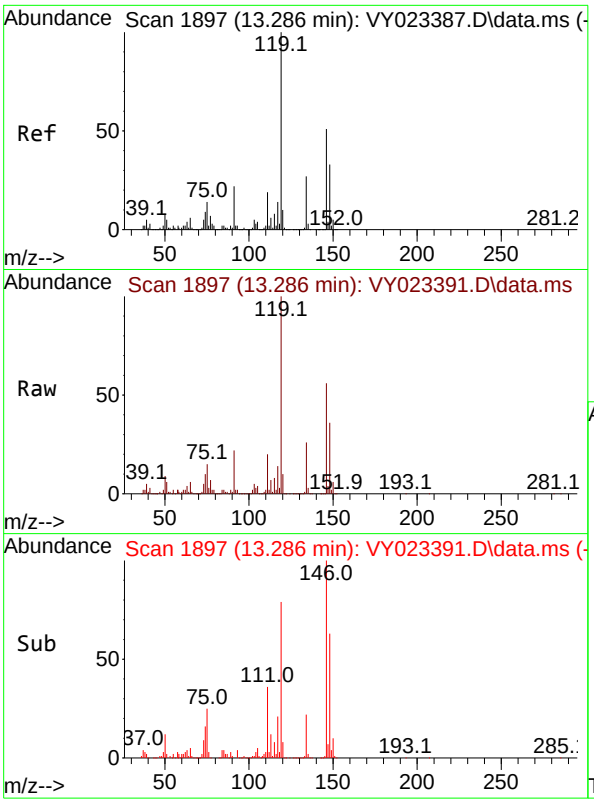


#86
p-Isopropyltoluene
Concen: 51.864 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:119 Resp: 1263377

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	21.3	10.9	32.9

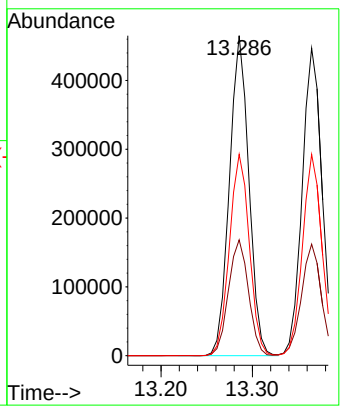




#87
1,3-Dichlorobenzene
Concen: 49.632 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:146 Resp: 68685

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.5	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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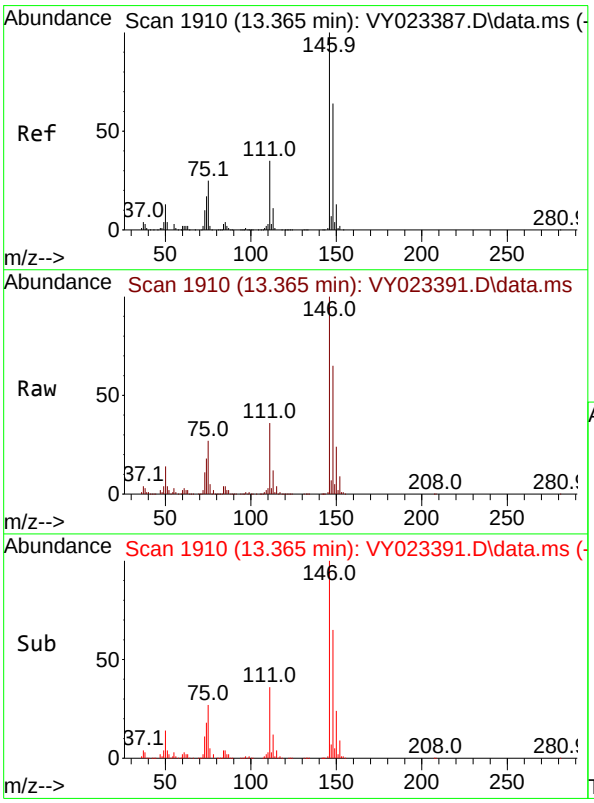
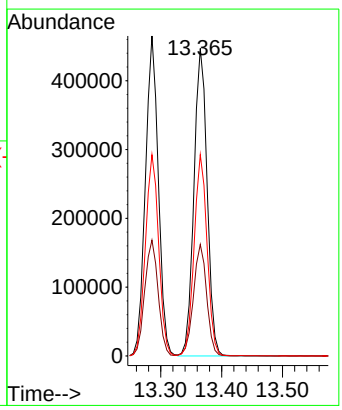
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

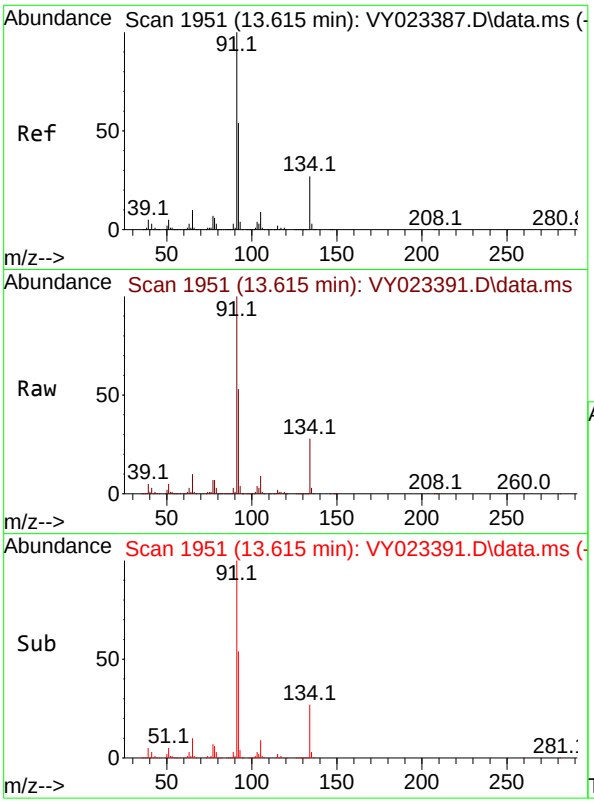


#88
1,4-Dichlorobenzene
Concen: 49.140 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:146 Resp: 671644

Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.0	54.0
148	64.2	31.9	95.7

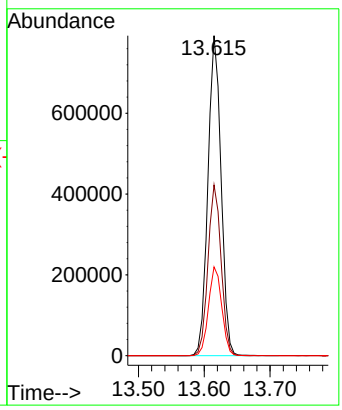




#89
n-Butylbenzene
Concen: 51.829 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 110008

Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	80.8
134	28.1	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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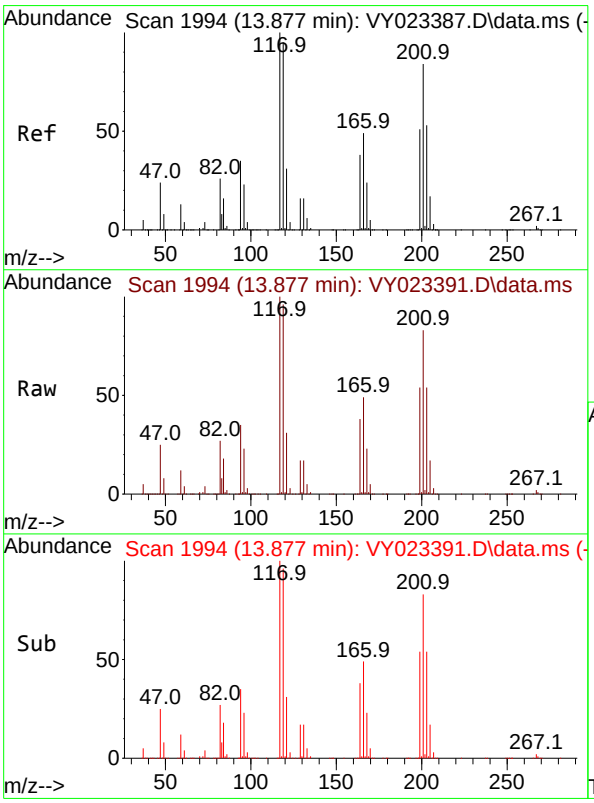
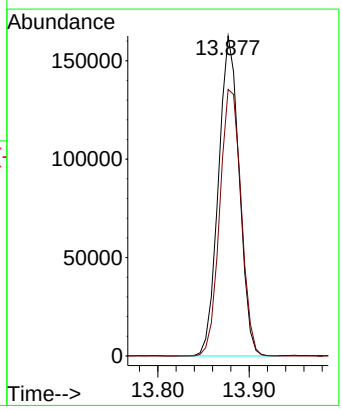
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

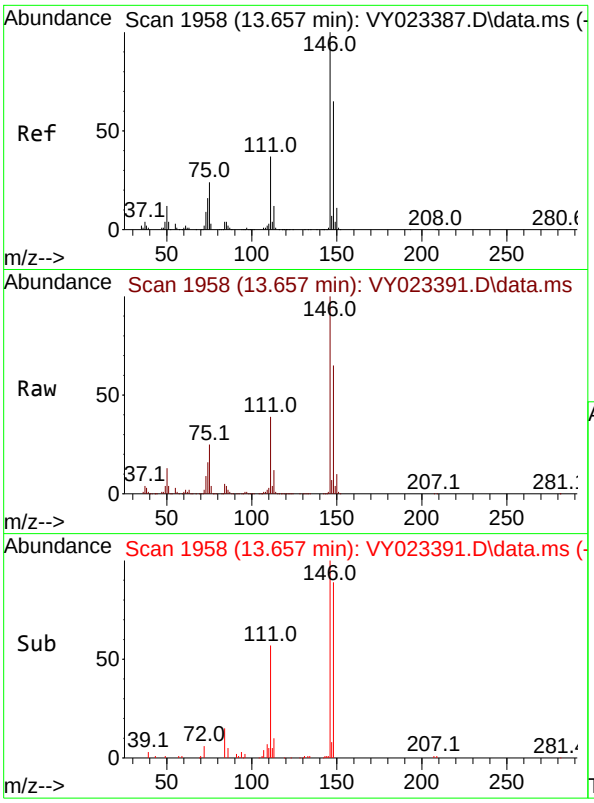


#90
Hexachloroethane
Concen: 49.116 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:117 Resp: 257335

Ion	Ratio	Lower	Upper
117	100		
201	85.7	43.8	131.4

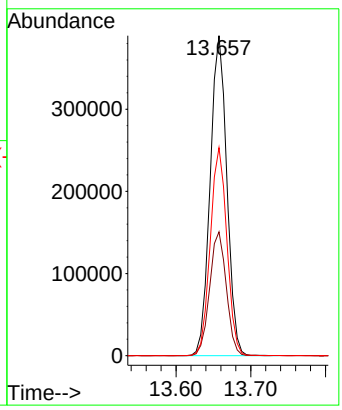




#91
1,2-Dichlorobenzene
Concen: 49.698 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:146 Resp: 60298

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.8	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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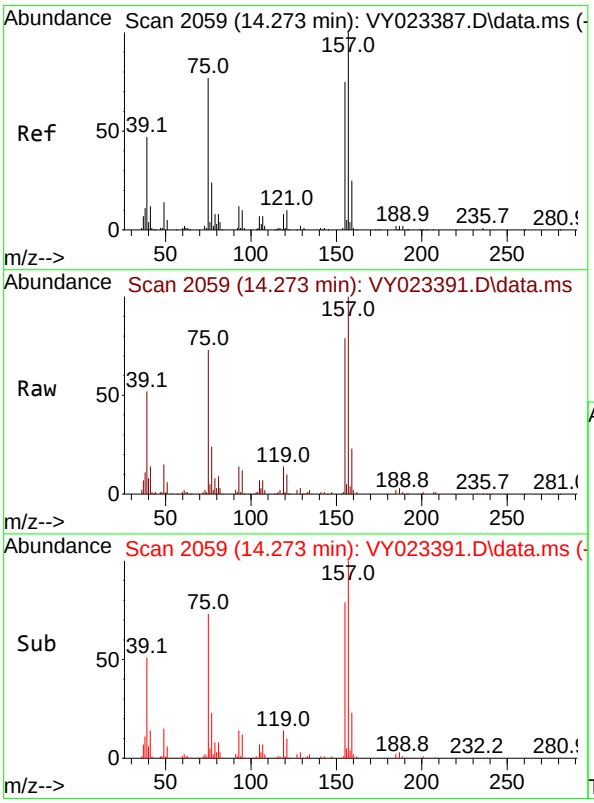
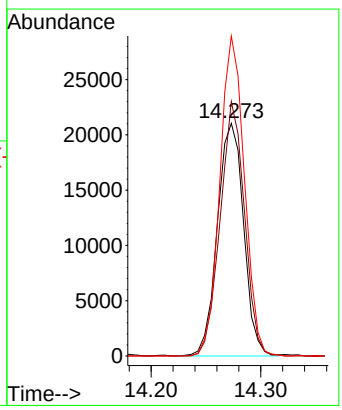
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

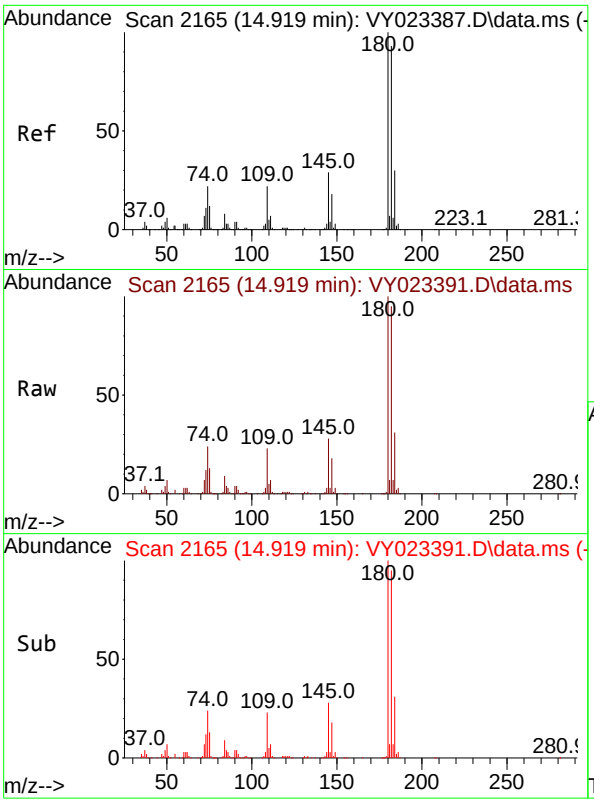


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.687 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 34928

Ion	Ratio	Lower	Upper
75	100		
155	101.5	50.0	150.0
157	128.5	63.8	191.5

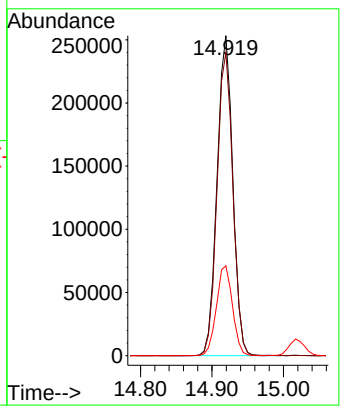




#93
1,2,4-Trichlorobenzene
Concen: 51.138 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:180 Resp: 38680

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.6
145	28.8	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
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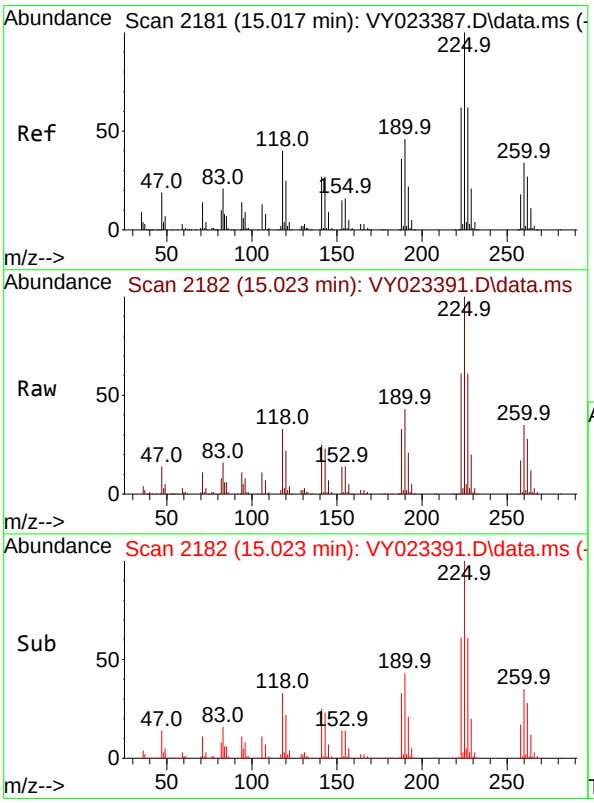
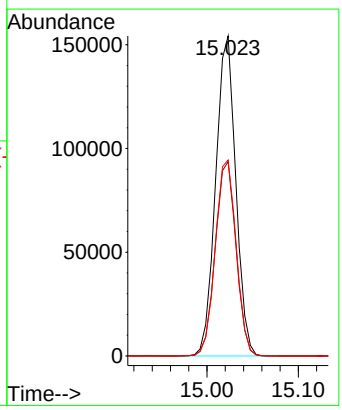
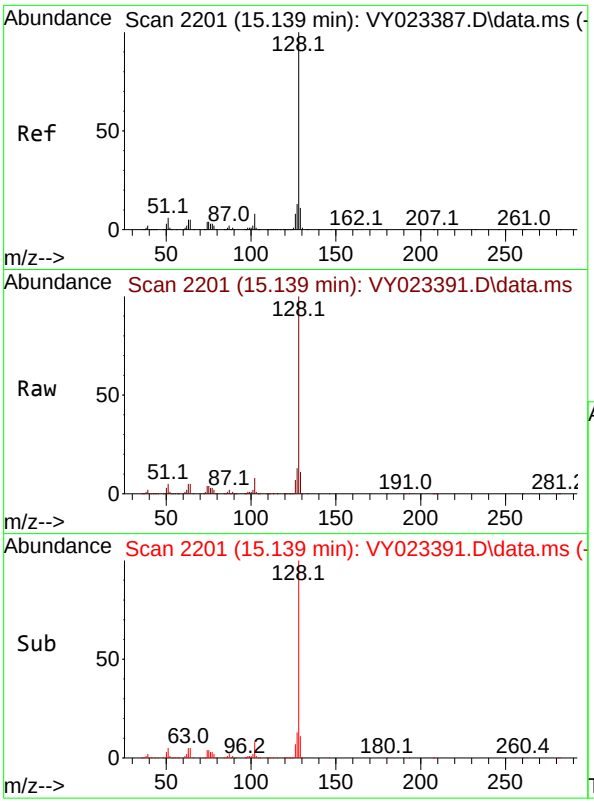


#94
Hexachlorobutadiene
Concen: 50.061 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:225 Resp: 236040

Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.8	92.3
227	63.6	31.9	95.7

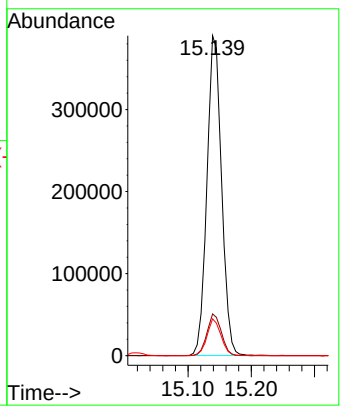




#95
Naphthalene
Concen: 52.154 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:128 Resp: 62819

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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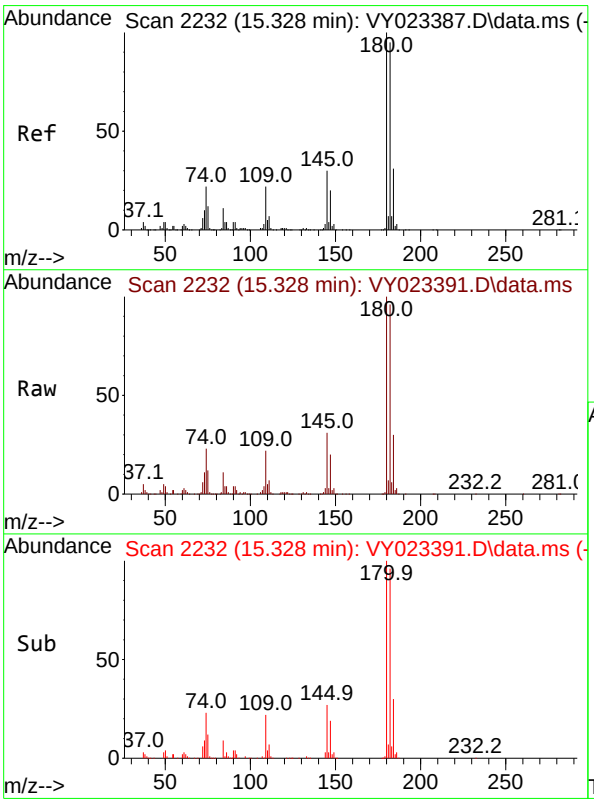
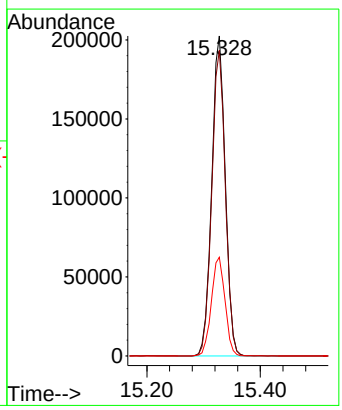


#96
1,2,3-Trichlorobenzene
Concen: 51.172 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:180 Resp: 335267

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.8
145	31.1	15.3	45.9



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	44.916	10.2	98	0.00
3	P	Chloromethane	50.000	52.519	-5.0	112	0.00
4	C	Vinyl Chloride	50.000	49.449	1.1#	103	0.00
5	T	Bromomethane	50.000	48.856	2.3	109	0.00
6	T	Chloroethane	50.000	51.367	-2.7	105	0.00
7	T	Trichlorofluoromethane	50.000	48.582	2.8	100	0.00
8	T	Diethyl Ether	50.000	51.050	-2.1	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.728	2.5	100	0.00
10	T	Methyl Iodide	50.000	51.875	-3.8	96	0.00
11	T	Tert butyl alcohol	250.000	231.079	7.6	112	0.00
12	CM	1,1-Dichloroethene	50.000	49.653	0.7#	101	0.00
13	T	Acrolein	250.000	246.184	1.5	101	0.00
14	T	Allyl chloride	50.000	50.645	-1.3	102	0.00
15	T	Acrylonitrile	250.000	251.575	-0.6	106	0.00
16	T	Acetone	250.000	212.910	14.8	99	0.00
17	T	Carbon Disulfide	50.000	50.021	-0.0	101	0.00
18	T	Methyl Acetate	50.000	50.439	-0.9	104	0.00
19	T	Methyl tert-butyl Ether	50.000	52.230	-4.5	107	0.00
20	T	Methylene Chloride	50.000	52.503	-5.0	120	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.482	-3.0	105	0.00
22	T	Diisopropyl ether	50.000	51.364	-2.7	103	0.00
23	T	Vinyl Acetate	250.000	260.981	-4.4	106	0.00
24	P	1,1-Dichloroethane	50.000	50.742	-1.5	104	0.00
25	T	2-Butanone	250.000	233.083	6.8	105	0.00
26	T	2,2-Dichloropropane	50.000	49.626	0.7	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.485	-5.0	107	0.00
28	T	Bromochloromethane	50.000	45.427	9.1	99	0.00
29	T	Tetrahydrofuran	250.000	253.317	-1.3	107	0.00
30	C	Chloroform	50.000	51.137	-2.3#	104	0.00
31	T	Cyclohexane	50.000	47.416	5.2	100	0.00
32	T	1,1,1-Trichloroethane	50.000	49.934	0.1	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.450	1.1	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	49.116	1.8	101	0.00
36	T	1,1-Dichloropropene	50.000	49.761	0.5	102	0.00
37	T	Ethyl Acetate	50.000	49.740	0.5	107	0.00
38	T	Carbon Tetrachloride	50.000	48.671	2.7	100	0.00
39	T	Methylcyclohexane	50.000	49.970	0.1	101	0.00
40	TM	Benzene	50.000	49.906	0.2	102	0.00
41	T	Methacrylonitrile	50.000	48.008	4.0	105	0.00
42	TM	1,2-Dichloroethane	50.000	49.318	1.4	104	0.00
43	T	Isopropyl Acetate	50.000	50.548	-1.1	108	0.00
44	TM	Trichloroethene	50.000	49.120	1.8	101	0.00
45	C	1,2-Dichloropropane	50.000	50.355	-0.7#	105	0.00
46	T	Dibromomethane	50.000	50.885	-1.8	106	0.00
47	T	Bromodichloromethane	50.000	50.450	-0.9	104	0.00
48	T	Methyl methacrylate	50.000	49.440	1.1	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	1039.252	-3.9	110	0.00
50	S	Toluene-d8	50.000	49.228	1.5	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.421	-1.4	106	0.00
52	CM	Toluene	50.000	51.556	-3.1#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	51.160	-2.3	105	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.649	-3.3	106	0.00
55	T	1,1,2-Trichloroethane	50.000	50.430	-0.9	106	0.00
56	T	Ethyl methacrylate	50.000	53.385	-6.8	107	0.00
57	T	1,3-Dichloropropane	50.000	51.113	-2.2	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	272.133	-8.9	106	0.00
59	T	2-Hexanone	250.000	245.480	1.8	105	0.00
60	T	Dibromochloromethane	50.000	50.974	-1.9	106	0.00
61	T	1,2-Dibromoethane	50.000	50.658	-1.3	105	0.00
62	S	4-Bromofluorobenzene	50.000	49.881	0.2	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	48.087	3.8	98	0.00
65	PM	Chlorobenzene	50.000	49.381	1.2	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.537	0.9	106	0.00
67	C	Ethyl Benzene	50.000	50.841	-1.7#	104	0.00
68	T	m/p-Xylenes	100.000	101.757	-1.8	103	0.00
69	T	o-Xylene	50.000	51.577	-3.2	105	0.00
70	T	Styrene	50.000	52.122	-4.2	105	0.00
71	P	Bromoform	50.000	50.070	-0.1	108	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	50.318	-0.6	103	0.00
74	T	N-amyl acetate	50.000	51.087	-2.2	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.688	0.6	111	0.00
76	T	1,2,3-Trichloropropane	50.000	42.874	14.3	90	0.00
77	T	Bromobenzene	50.000	49.590	0.8	106	0.00
78	T	n-propylbenzene	50.000	50.694	-1.4	103	0.00
79	T	2-Chlorotoluene	50.000	50.047	-0.1	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.231	-2.5	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.566	6.9	103	0.00
82	T	4-Chlorotoluene	50.000	50.455	-0.9	105	0.00
83	T	tert-Butylbenzene	50.000	52.019	-4.0	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.520	-3.0	105	0.00
85	T	sec-Butylbenzene	50.000	50.848	-1.7	104	0.00
86	T	p-Isopropyltoluene	50.000	51.864	-3.7	104	0.00
87	T	1,3-Dichlorobenzene	50.000	49.632	0.7	106	0.00
88	T	1,4-Dichlorobenzene	50.000	49.140	1.7	105	0.00
89	T	n-Butylbenzene	50.000	51.829	-3.7	105	0.00
90	T	Hexachloroethane	50.000	49.116	1.8	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.698	0.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.687	2.6	107	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.138	-2.3	107	0.00
94	T	Hexachlorobutadiene	50.000	50.061	-0.1	104	0.00
95	T	Naphthalene	50.000	52.154	-4.3	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	51.172	-2.3	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	97	0.00
2	T	Dichlorodifluoromethane	0.360	0.323	10.3	98	0.00
3	P	Chloromethane	0.490	0.515	-5.1	112	0.00
4	C	Vinyl Chloride	0.639	0.632	1.1#	103	0.00
5	T	Bromomethane	0.536	0.524	2.2	109	0.00
6	T	Chloroethane	0.435	0.447	-2.8	105	0.00
7	T	Trichlorofluoromethane	0.887	0.862	2.8	100	0.00
8	T	Diethyl Ether	0.232	0.237	-2.2	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.460	0.448	2.6	100	0.00
10	T	Methyl Iodide	0.512	0.531	-3.7	96	0.00
11	T	Tert butyl alcohol	0.031	0.029	6.5	112	0.00
12	CM	1,1-Dichloroethene	0.446	0.443	0.7#	101	0.00
13	T	Acrolein	0.044	0.043	2.3	101	0.00
14	T	Allyl chloride	0.544	0.551	-1.3	102	0.00
15	T	Acrylonitrile	0.089	0.089	0.0	106	0.00
16	T	Acetone	0.100	0.085	15.0	99	0.00
17	T	Carbon Disulfide	1.277	1.277	0.0	101	0.00
18	T	Methyl Acetate	0.261	0.263	-0.8	104	0.00
19	T	Methyl tert-butyl Ether	1.072	1.120	-4.5	107	0.00
20	T	Methylene Chloride	0.538	0.565	-5.0	120	0.00
21	T	trans-1,2-Dichloroethene	0.491	0.506	-3.1	105	0.00
22	T	Diisopropyl ether	1.202	1.235	-2.7	103	0.00
23	T	Vinyl Acetate	0.651	0.679	-4.3	106	0.00
24	P	1,1-Dichloroethane	0.796	0.808	-1.5	104	0.00
25	T	2-Butanone	0.122	0.113	7.4	105	0.00
26	T	2,2-Dichloropropane	0.731	0.725	0.8	100	0.00
27	T	cis-1,2-Dichloroethene	0.567	0.595	-4.9	107	0.00
28	T	Bromochloromethane	0.297	0.270	9.1	99	0.00
29	T	Tetrahydrofuran	0.069	0.070	-1.4	107	0.00
30	C	Chloroform	0.875	0.895	-2.3#	104	0.00
31	T	Cyclohexane	0.696	0.660	5.2	100	0.00
32	T	1,1,1-Trichloroethane	0.795	0.794	0.1	101	0.00
33	S	1,2-Dichloroethane-d4	0.418	0.414	1.0	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.307	0.302	1.6	101	0.00
36	T	1,1-Dichloropropene	0.407	0.405	0.5	102	0.00
37	T	Ethyl Acetate	0.161	0.160	0.6	107	0.00
38	T	Carbon Tetrachloride	0.493	0.480	2.6	100	0.00
39	T	Methylcyclohexane	0.530	0.529	0.2	101	0.00
40	TM	Benzene	1.288	1.286	0.2	102	0.00
41	T	Methacrylonitrile	0.087	0.084	3.4	105	0.00
42	TM	1,2-Dichloroethane	0.332	0.328	1.2	104	0.00
43	T	Isopropyl Acetate	0.321	0.325	-1.2	108	0.00
44	TM	Trichloroethene	0.377	0.370	1.9	101	0.00
45	C	1,2-Dichloropropane	0.285	0.287	-0.7#	105	0.00
46	T	Dibromomethane	0.180	0.183	-1.7	106	0.00
47	T	Bromodichloromethane	0.453	0.457	-0.9	104	0.00
48	T	Methyl methacrylate	0.151	0.149	1.3	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	0.002	0.002	0.0	110	0.00
50	S	Toluene-d8	1.144	1.126	1.6	100	0.00
51	T	4-Methyl-2-Pentanone	0.166	0.168	-1.2	106	0.00
52	CM	Toluene	0.836	0.862	-3.1#	105	0.00
53	T	t-1,3-Dichloropropene	0.394	0.403	-2.3	105	0.00
54	T	cis-1,3-Dichloropropene	0.465	0.480	-3.2	106	0.00
55	T	1,1,2-Trichloroethane	0.242	0.244	-0.8	106	0.00
56	T	Ethyl methacrylate	0.279	0.298	-6.8	107	0.00
57	T	1,3-Dichloropropane	0.383	0.392	-2.3	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.136	-8.8	106	0.00
59	T	2-Hexanone	0.119	0.116	2.5	105	0.00
60	T	Dibromochloromethane	0.339	0.346	-2.1	106	0.00
61	T	1,2-Dibromoethane	0.231	0.234	-1.3	105	0.00
62	S	4-Bromofluorobenzene	0.378	0.377	0.3	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.516	0.497	3.7	98	0.00
65	PM	Chlorobenzene	1.087	1.074	1.2	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.384	1.0	106	0.00
67	C	Ethyl Benzene	1.760	1.790	-1.7#	104	0.00
68	T	m/p-Xylenes	0.706	0.718	-1.7	103	0.00
69	T	o-Xylene	0.662	0.683	-3.2	105	0.00
70	T	Styrene	1.089	1.135	-4.2	105	0.00
71	P	Bromoform	0.240	0.241	-0.4	108	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.295	3.316	-0.6	103	0.00
74	T	N-amyl acetate	0.592	0.605	-2.2	108	0.00
75	P	1,1,2,2-Tetrachloroethane	0.539	0.536	0.6	111	0.00
76	T	1,2,3-Trichloropropane	0.441	0.378	14.3	90	0.00
77	T	Bromobenzene	0.876	0.869	0.8	106	0.00
78	T	n-propylbenzene	3.813	3.866	-1.4	103	0.00
79	T	2-Chlorotoluene	2.233	2.235	-0.1	104	0.00
80	T	1,3,5-Trimethylbenzene	2.663	2.728	-2.4	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.180	0.168	6.7	103	0.00
82	T	4-Chlorotoluene	2.300	2.321	-0.9	105	0.00
83	T	tert-Butylbenzene	2.458	2.558	-4.1	105	0.00
84	T	1,2,4-Trimethylbenzene	2.657	2.738	-3.0	105	0.00
85	T	sec-Butylbenzene	3.527	3.586	-1.7	104	0.00
86	T	p-Isopropyltoluene	3.003	3.115	-3.7	104	0.00
87	T	1,3-Dichlorobenzene	1.706	1.693	0.8	106	0.00
88	T	1,4-Dichlorobenzene	1.685	1.656	1.7	105	0.00
89	T	n-Butylbenzene	2.616	2.712	-3.7	105	0.00
90	T	Hexachloroethane	0.646	0.634	1.9	105	0.00
91	T	1,2-Dichlorobenzene	1.496	1.487	0.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.088	0.086	2.3	107	0.00
93	T	1,2,4-Trichlorobenzene	0.932	0.954	-2.4	107	0.00
94	T	Hexachlorobutadiene	0.581	0.582	-0.2	104	0.00
95	T	Naphthalene	1.485	1.549	-4.3	109	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023391.D
Acq On : 07 Oct 2025 14:12
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Quant Time: Oct 08 05:15:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.808	0.827	-2.4	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VV039306.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3434
Instrument ID: MSVOA_V
Calibration Date/Time: 11/04/2025 11:21
Lab File ID: VV039306.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 11:32
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.632	0.498		-21.2	20
Chloromethane	0.658	0.594	0.1	-9.73	20
Vinyl Chloride	0.751	0.624		-16.91	20
Bromomethane	0.487	0.490		0.62	20
Chloroethane	0.507	0.437		-13.81	20
Trichlorofluoromethane	1.147	0.984		-14.21	20
1,1,2-Trichlorotrifluoroethane	0.687	0.591		-13.97	20
1,1-Dichloroethene	0.674	0.567		-15.88	20
Acetone	0.404	0.369		-8.66	20
Carbon Disulfide	1.904	1.632		-14.29	20
Methyl tert-butyl Ether	2.029	2.267		11.73	20
Methyl Acetate	0.921	0.845		-8.25	20
Methylene Chloride	0.788	0.762		-3.3	20
trans-1,2-Dichloroethene	0.710	0.645		-9.15	20
1,1-Dichloroethane	1.286	1.215	0.1	-5.52	20
Cyclohexane	0.936	0.854		-8.76	20
2-Butanone	0.434	0.460		5.99	20
Carbon Tetrachloride	0.603	0.558		-7.46	20
cis-1,2-Dichloroethene	0.711	0.763		7.31	20
Bromochloromethane	0.548	0.607		10.77	20
Chloroform	1.311	1.296		-1.14	20
1,1,1-Trichloroethane	1.146	1.034		-9.77	20
Methylcyclohexane	0.566	0.515		-9.01	20
Benzene	1.588	1.614		1.64	20
1,2-Dichloroethane	0.557	0.580		4.13	20
Trichloroethene	0.399	0.389		-2.51	20
1,2-Dichloropropane	0.386	0.424		9.85	20
Bromodichloromethane	0.636	0.666		4.72	20
4-Methyl-2-Pentanone	0.526	0.599		13.88	20
Toluene	0.959	1.020		6.36	20
t-1,3-Dichloropropene	0.556	0.647		16.37	20
cis-1,3-Dichloropropene	0.618	0.707		14.4	20
1,1,2-Trichloroethane	0.433	0.465		7.39	20
2-Hexanone	0.386	0.441		14.25	20
Dibromochloromethane	0.506	0.551		8.89	20
1,2-Dibromoethane	0.451	0.501		11.09	20
Tetrachloroethene	0.365	0.343		-6.03	20
Chlorobenzene	1.184	1.160	0.3	-2.03	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VV039306.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO02
Lab Code:	ACE	SDG No.:	Q3434
Instrument ID:	MSVOA_V	Calibration Date/Time:	11/04/2025 11:21
Lab File ID:	VV039306.D	Init. Calib. Date(s):	10/07/2025 10/07/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:40 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.744	1.818		4.24	20
m/p-Xylenes	0.692	0.759		9.68	20
o-Xylene	0.611	0.685		12.11	20
Styrene	1.087	1.291		18.77	20
Bromoform	0.359	0.392	0.1	9.19	20
Isopropylbenzene	3.036	3.218		5.99	20
1,1,2,2-Tetrachloroethane	1.394	1.328	0.3	-4.74	20
1,3-Dichlorobenzene	1.665	1.693		1.68	20
1,4-Dichlorobenzene	1.863	1.758		-5.64	20
1,2-Dichlorobenzene	1.584	1.613		1.83	20
1,2-Dibromo-3-Chloropropane	0.287	0.266		-7.32	20
1,2,4-Trichlorobenzene	0.883	0.929		5.21	20
1,2,3-Trichlorobenzene	0.918	0.977		6.43	20
1,2-Dichloroethane-d4	0.710	0.797		12.25	20
Dibromofluoromethane	0.394	0.423		7.36	20
Toluene-d8	1.340	1.413		5.45	20
4-Bromofluorobenzene	0.477	0.528		10.69	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_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	637264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1024756	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1022016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	572200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	507925	56.092	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 112.180%			
35) Dibromofluoromethane	4.500	113	433799	53.726	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 107.460%			
50) Toluene-d8	7.233	98	1447777	52.707	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 105.420%			
62) 4-Bromofluorobenzene	9.998	95	540972	55.299	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 110.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.124	85	317564m	39.427	ug/l	
3) Chloromethane	1.230	50	378539	45.141	ug/l	99
4) Vinyl Chloride	1.298	62	397662	41.566	ug/l	99
5) Bromomethane	1.500	94	312107	50.281	ug/l	99
6) Chloroethane	1.561	64	278677	52.893	ug/l	99
7) Trichlorofluoromethane	1.728	101	627251	42.918	ug/l	100
8) Diethyl Ether	1.918	74	280720	53.152	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.082	101	376510	43.023	ug/l	99
10) Methyl Iodide	2.198	142	502834	66.690	ug/l	98
11) Tert butyl alcohol	2.564	59	302735	172.512	ug/l	99
12) 1,1-Dichloroethene	2.085	96	361270	42.044	ug/l	99
13) Acrolein	2.008	56	596126	597.108	ug/l	99
14) Allyl chloride	2.359	41	624182	45.823	ug/l	99
15) Acrylonitrile	2.674	53	1279167	245.798	ug/l	100
16) Acetone	2.117	43	1174237	280.314	ug/l	100
17) Carbon Disulfide	2.256	76	1039874	42.845	ug/l	100
18) Methyl Acetate	2.378	43	538703	45.910	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	1444674	55.858	ug/l	99
20) Methylene Chloride	2.458	84	485528	60.899	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	411303	45.462	ug/l	100
22) Diisopropyl ether	3.214	45	1376335	56.278	ug/l	87
23) Vinyl Acetate	3.188	43	6174918	287.608	ug/l	99
24) 1,1-Dichloroethane	3.117	63	774138	47.249	ug/l	99
25) 2-Butanone	3.860	43	1467254	264.955	ug/l	100
26) 2,2-Dichloropropane	3.812	77	590738	44.765	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	486071	53.658	ug/l	97
28) Bromochloromethane	4.143	49	386703	55.360	ug/l	99
29) Tetrahydrofuran	4.233	42	923460	260.808	ug/l	98
30) Chloroform	4.275	83	826124	49.444	ug/l	99
31) Cyclohexane	4.584	56	543925	45.579	ug/l	99
32) 1,1,1-Trichloroethane	4.510	97	659230	45.126	ug/l	98
36) 1,1-Dichloropropene	4.744	75	462466	45.602	ug/l	99
37) Ethyl Acetate	3.973	43	592244	49.883	ug/l	97
38) Carbon Tetrachloride	4.735	117	571435	46.250	ug/l	99
39) Methylcyclohexane	6.047	83	528252	45.576	ug/l	98
40) Benzene	5.008	78	1653548	50.813	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.153	41	273531	53.736	ug/l		99
42) 1,2-Dichloroethane	5.037	62	594744	52.074	ug/l		100
43) Isopropyl Acetate	5.188	43	902456	58.059	ug/l		100
44) Trichloroethene	5.828	130	399079	48.767	ug/l		99
45) 1,2-Dichloropropane	6.085	63	434939	54.926	ug/l		98
46) Dibromomethane	6.223	93	350757	52.994	ug/l		97
47) Bromodichloromethane	6.423	83	682315	52.319	ug/l		100
48) Methyl methacrylate	6.294	41	415063	57.640	ug/l		98
49) 1,4-Dioxane	6.288	88	85719m	715.578	ug/l		
51) 4-Methyl-2-Pentanone	7.143	43	3067700	284.472	ug/l		100
52) Toluene	7.307	92	1044959	53.182	ug/l		99
53) t-1,3-Dichloropropene	7.571	75	662717	58.145	ug/l		100
54) cis-1,3-Dichloropropene	6.944	75	724372	57.165	ug/l		99
55) 1,1,2-Trichloroethane	7.757	97	476609	53.719	ug/l		99
56) Ethyl methacrylate	7.712	69	659731	65.633	ug/l		99
57) 1,3-Dichloropropane	7.931	76	768271	57.383	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.809	63	1805314	295.215	ug/l		99
59) 2-Hexanone	8.059	43	2261357	285.636	ug/l		100
60) Dibromochloromethane	8.165	129	564299	54.397	ug/l		99
61) 1,2-Dibromoethane	8.272	107	513123	55.543	ug/l		99
64) Tetrachloroethene	7.895	164	350075	46.957	ug/l		100
65) Chlorobenzene	8.802	112	1185359	48.993	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.895	131	445410	49.149	ug/l		100
67) Ethyl Benzene	8.934	91	1857821	52.129	ug/l		100
68) m/p-Xylenes	9.059	106	1551500	109.762	ug/l		99
69) o-Xylene	9.468	106	699770	56.059	ug/l		99
70) Styrene	9.484	104	1319658	59.415	ug/l		100
71) Bromoform	9.651	173	401043	54.721	ug/l	#	99
73) Isopropylbenzene	9.853	105	1841327	52.993	ug/l		100
74) N-amyl acetate	9.722	43	810885	56.636	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.162	83	759804	47.616	ug/l		100
76) 1,2,3-Trichloropropane	10.194	75	551899	48.325	ug/l		99
77) Bromobenzene	10.140	156	505820	52.955	ug/l		99
78) n-propylbenzene	10.275	91	2189294	51.927	ug/l		99
79) 2-Chlorotoluene	10.345	91	1369613	52.616	ug/l		100
80) 1,3,5-Trimethylbenzene	10.461	105	1589645	54.548	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.927	75	254180	56.209	ug/l		99
82) 4-Chlorotoluene	10.461	91	1636764	54.705	ug/l		99
83) tert-Butylbenzene	10.789	119	1479425	51.126	ug/l		98
84) 1,2,4-Trimethylbenzene	10.837	105	1599433	55.752	ug/l		100
85) sec-Butylbenzene	11.011	105	1792784	49.001	ug/l		100
86) p-Isopropyltoluene	11.165	119	1576710	50.123	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	968709	50.845	ug/l		99
88) 1,4-Dichlorobenzene	11.194	146	1006165	47.188	ug/l		99
89) n-Butylbenzene	11.577	91	1393936	47.584	ug/l		99
90) Hexachloroethane	11.818	117	322222	41.426	ug/l		97
91) 1,2-Dichlorobenzene	11.564	146	922761	50.915	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	151995	46.325	ug/l		99
93) 1,2,4-Trichlorobenzene	13.185	180	531566	52.589	ug/l		99
94) Hexachlorobutadiene	13.368	225	179585	35.087	ug/l		100
95) Naphthalene	13.422	128	1956023	59.064	ug/l		100
96) 1,2,3-Trichlorobenzene	13.664	180	558871	53.198	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

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

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

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
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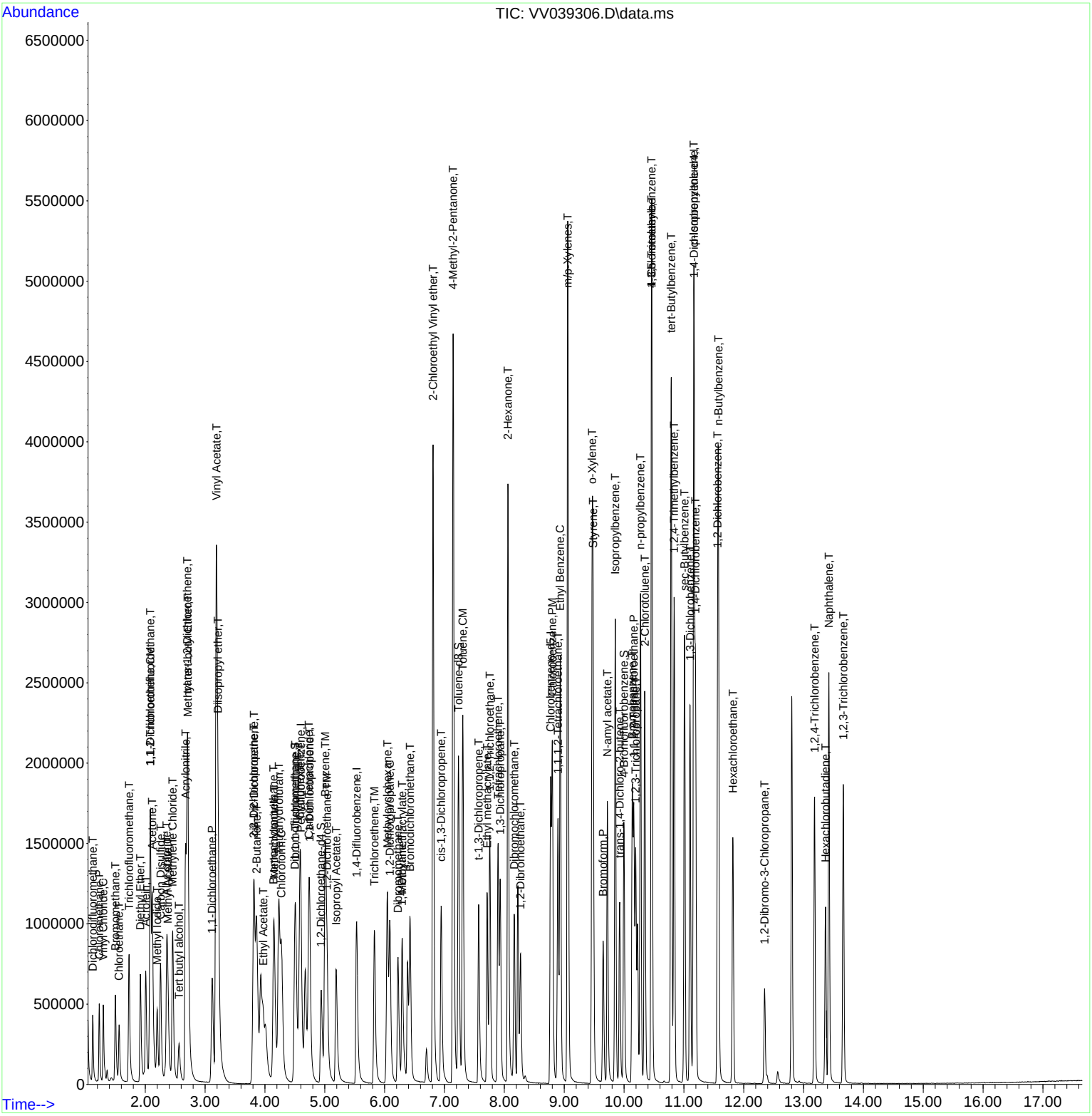
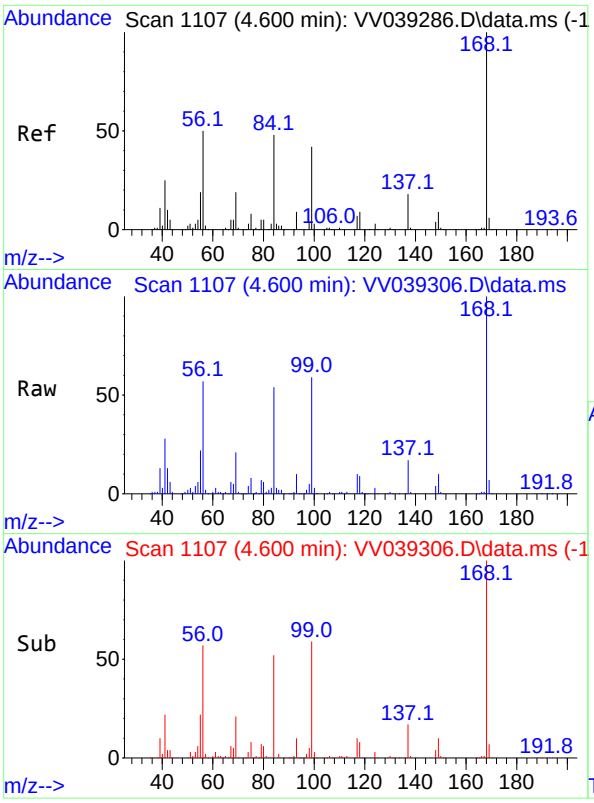
Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

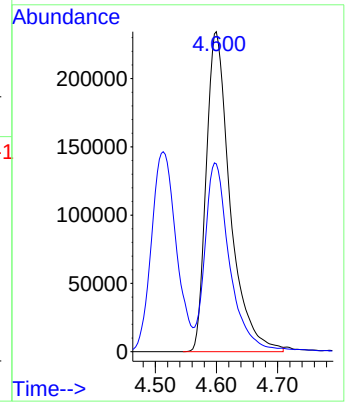




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:168 Resp: 63726

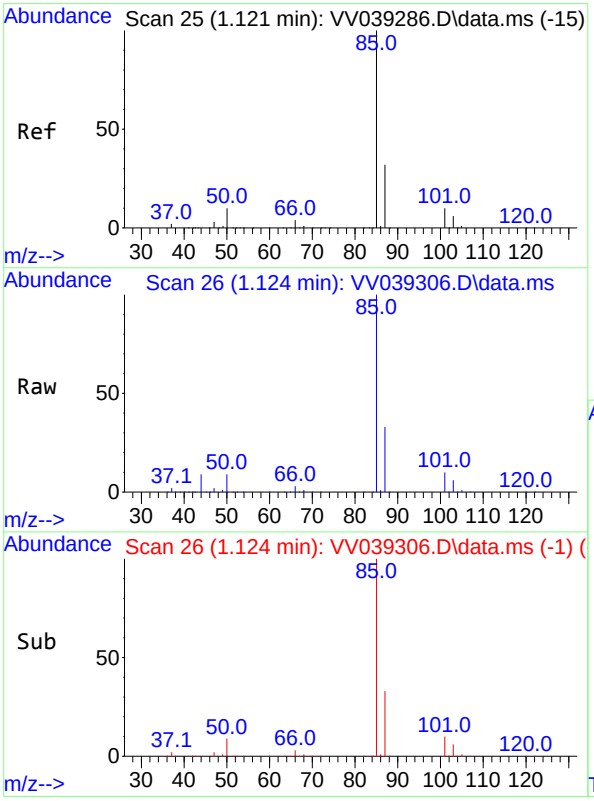
Ion	Ratio	Lower	Upper
168	100		
99	57.7	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

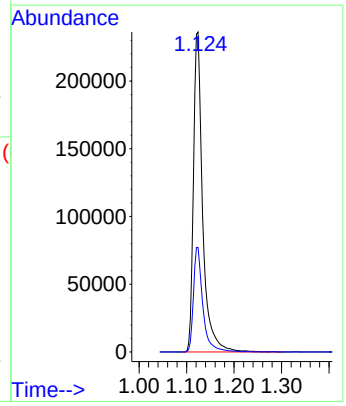
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

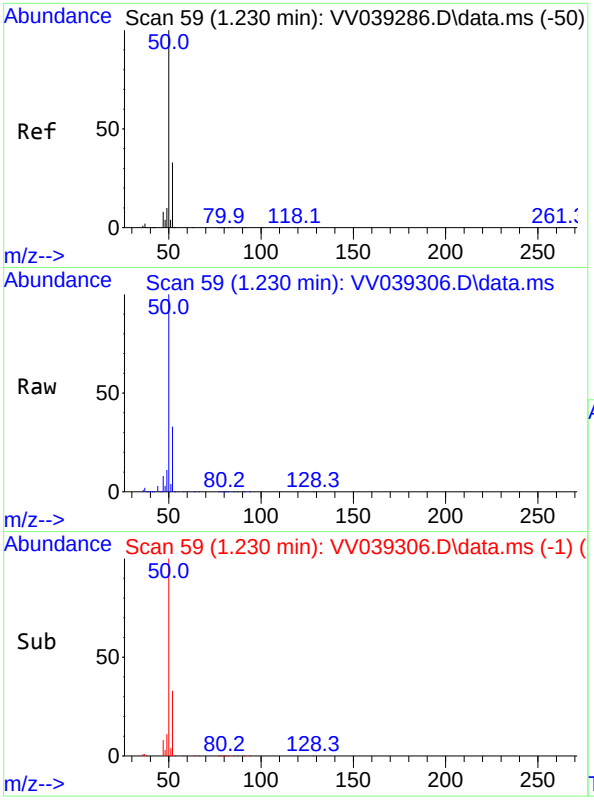


#2
Dichlorodifluoromethane
Concen: 39.427 ug/l m
RT: 1.124 min Scan# 26
Delta R.T. 0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 85 Resp: 317564

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.1	48.2

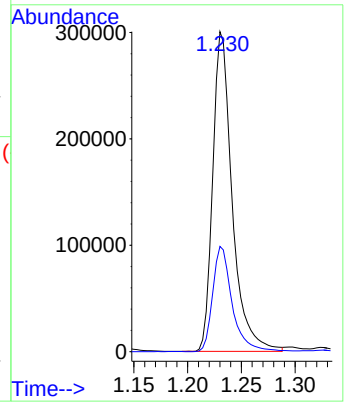




#3
Chloromethane
Concen: 45.141 ug/l
RT: 1.230 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 50 Resp: 37853

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.6	39.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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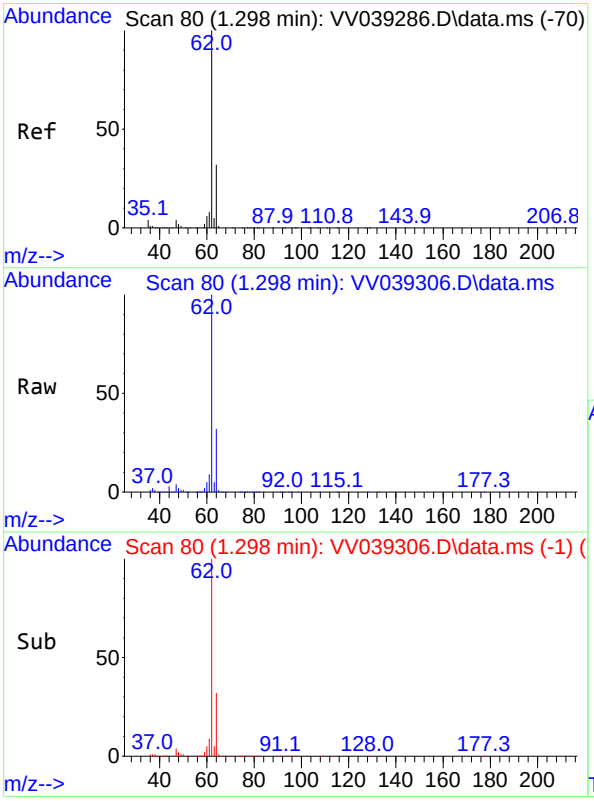
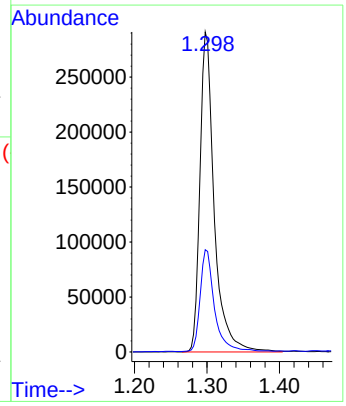
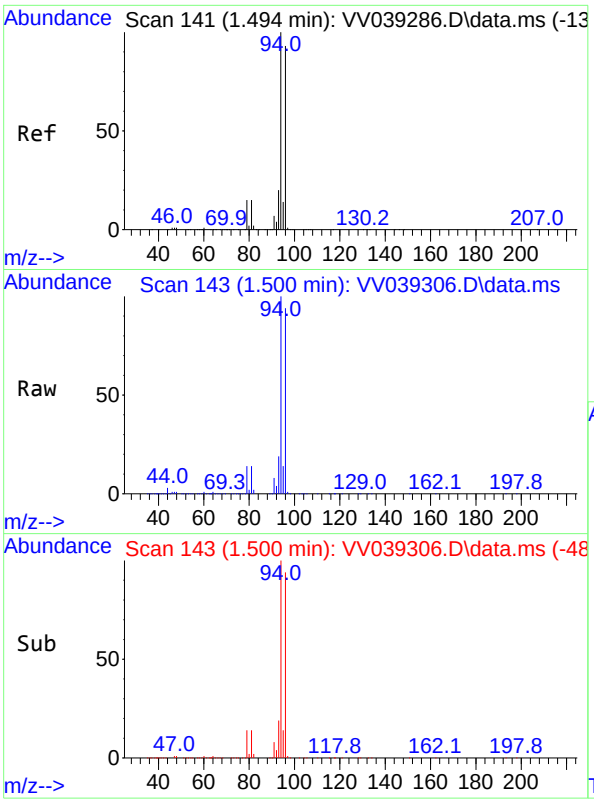


#4
Vinyl Chloride
Concen: 41.566 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 62 Resp: 397662

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.8	38.6

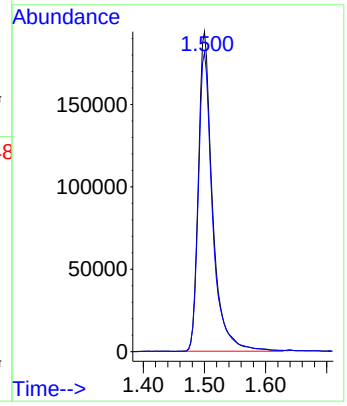




#5
Bromomethane
Concen: 50.281 ug/l
RT: 1.500 min Scan# 14
Delta R.T. 0.006 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 94 Resp: 31210

Ion	Ratio	Lower	Upper
94	100		
96	93.6	74.2	111.2



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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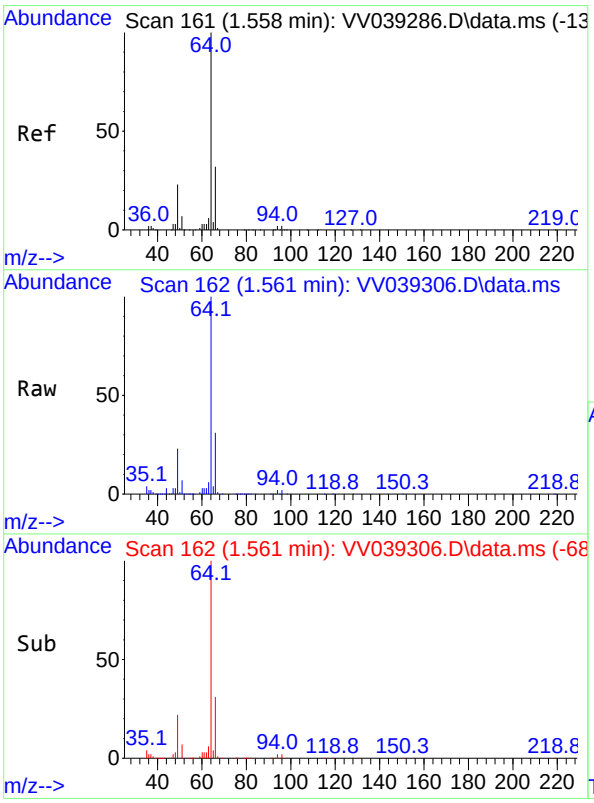
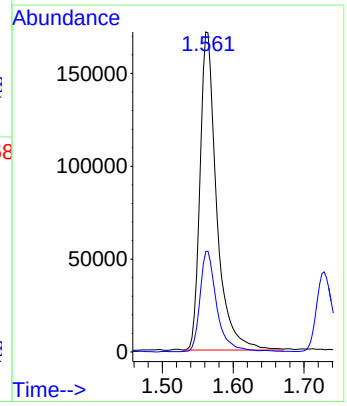
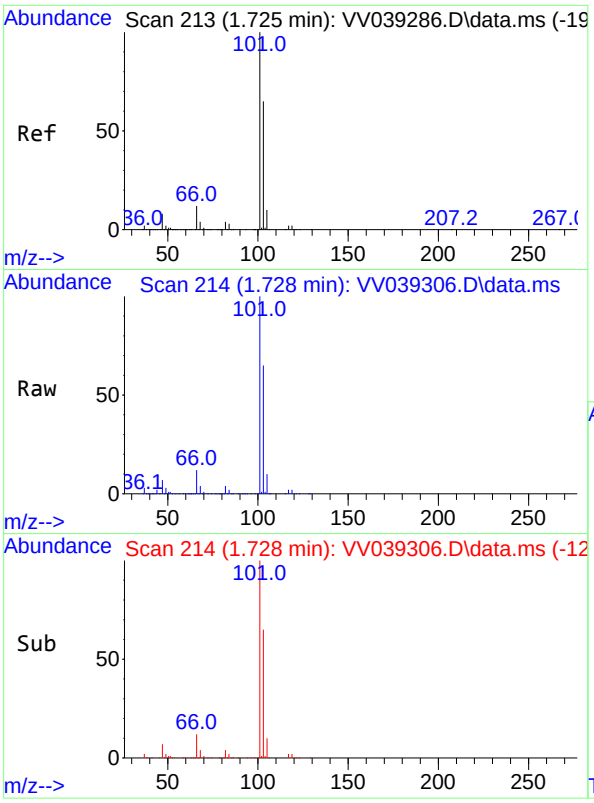


#6
Chloroethane
Concen: 52.893 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 64 Resp: 278677

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.7	38.5

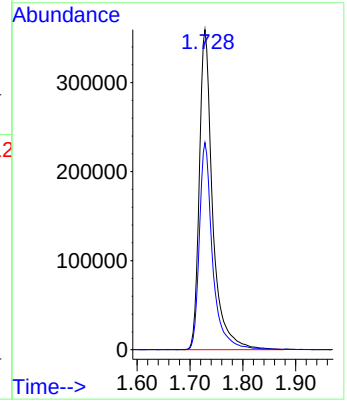




#7
Trichlorofluoromethane
Concen: 42.918 ug/l
RT: 1.728 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:101 Resp: 62725

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.0	78.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
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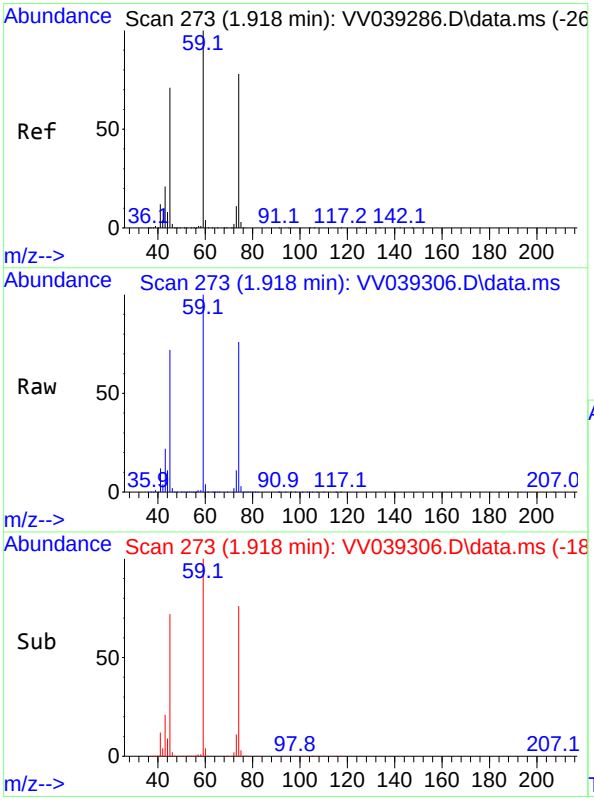
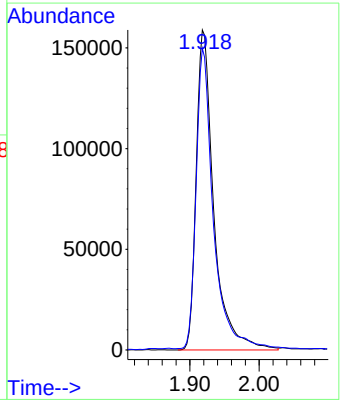
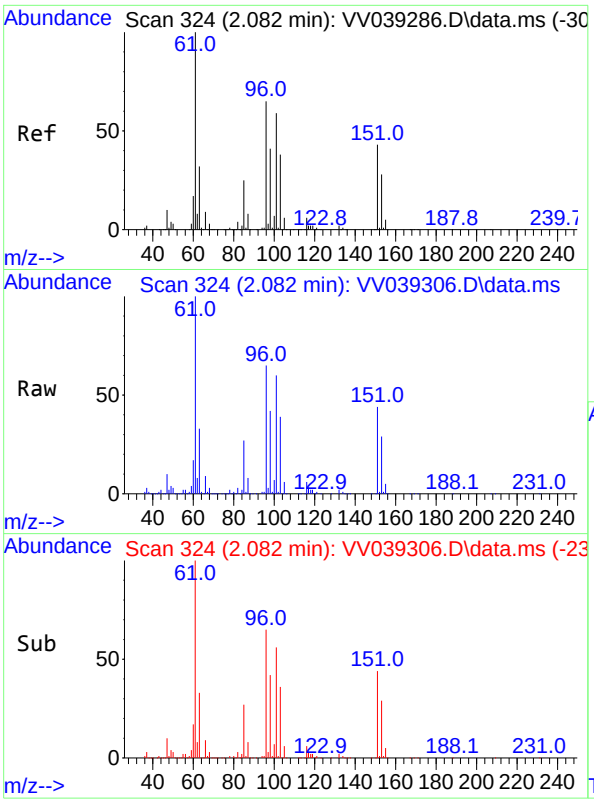


#8
Diethyl Ether
Concen: 53.152 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 74 Resp: 280720

Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.9	137.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.023 ug/l
RT: 2.082 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:101 Resp: 37651

Ion	Ratio	Lower	Upper
101	100		
85	42.6	34.0	51.0
151	74.6	58.5	87.7

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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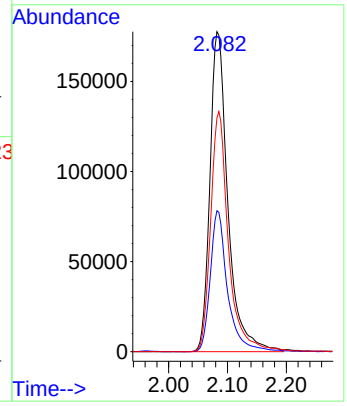
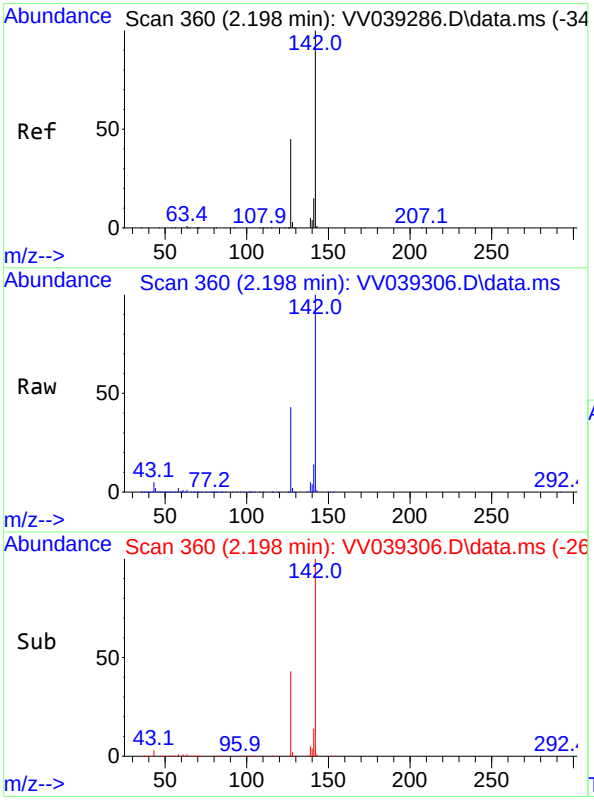
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

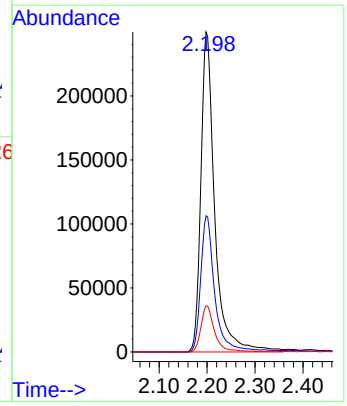


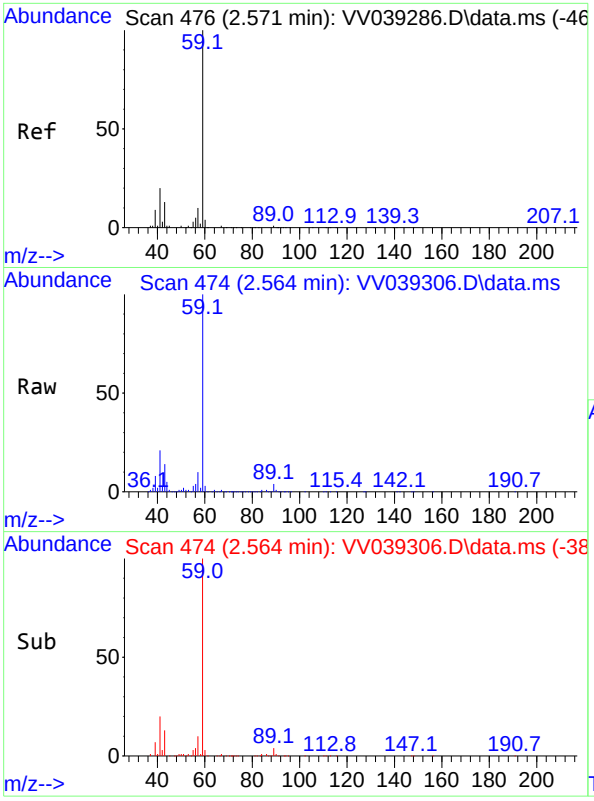


#10
Methyl Iodide
Concen: 66.690 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:142 Resp: 502834

Ion	Ratio	Lower	Upper
142	100		
127	42.7	35.5	53.3
141	14.1	11.5	17.3

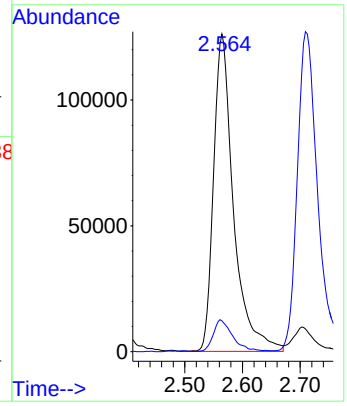




#11
Tert butyl alcohol
Concen: 172.512 ug/l
RT: 2.564 min Scan# 4
Delta R.T. -0.006 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 59 Resp: 30273

Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.1	12.1



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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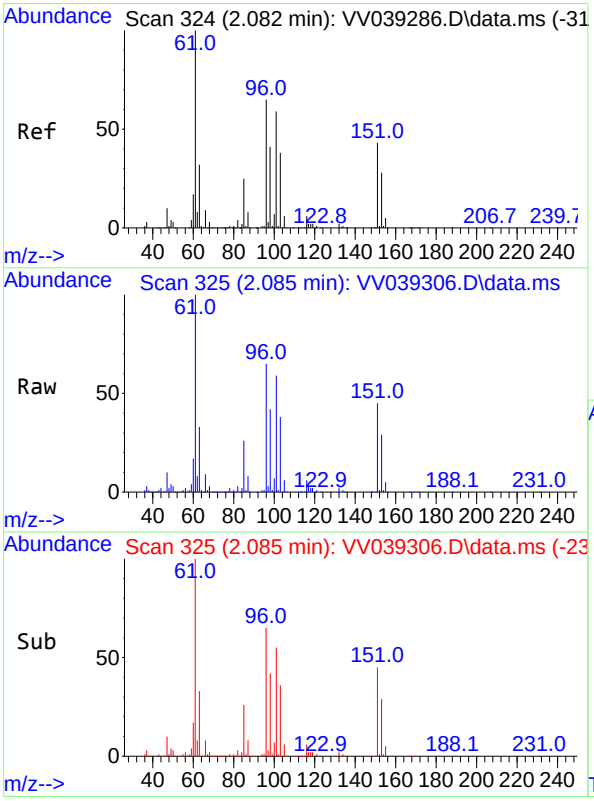
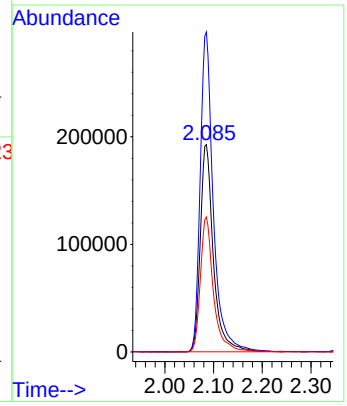
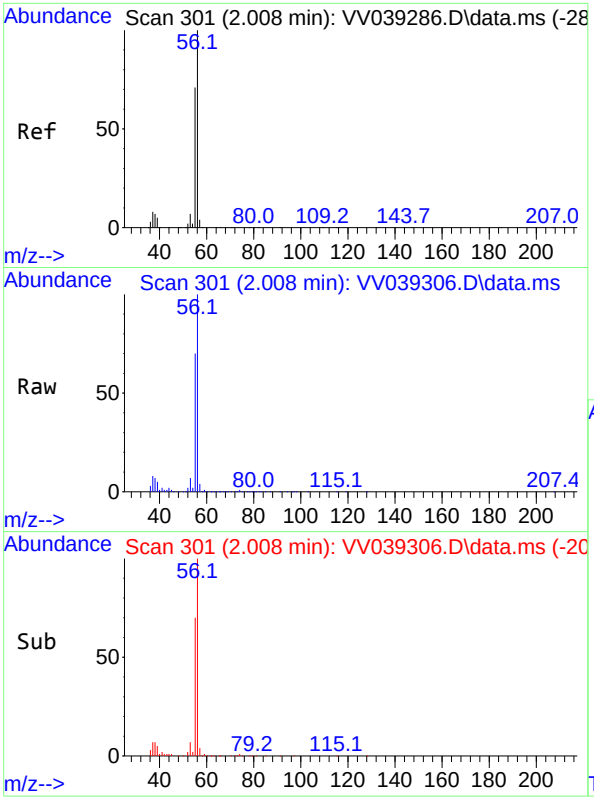


#12
1,1-Dichloroethene
Concen: 42.044 ug/l
RT: 2.085 min Scan# 325
Delta R.T. 0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 96 Resp: 361270

Ion	Ratio	Lower	Upper
96	100		
61	154.4	123.6	185.4
98	65.1	51.1	76.7

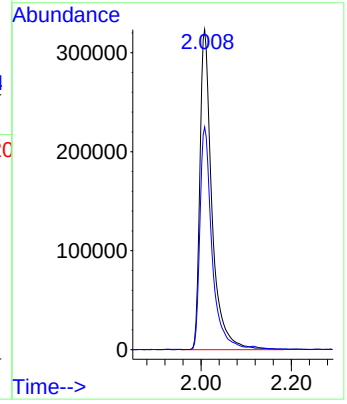




#13
Acrolein
Concen: 597.108 ug/l
RT: 2.008 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 56 Resp: 59612

Ion	Ratio	Lower	Upper
56	100		
55	69.4	56.2	84.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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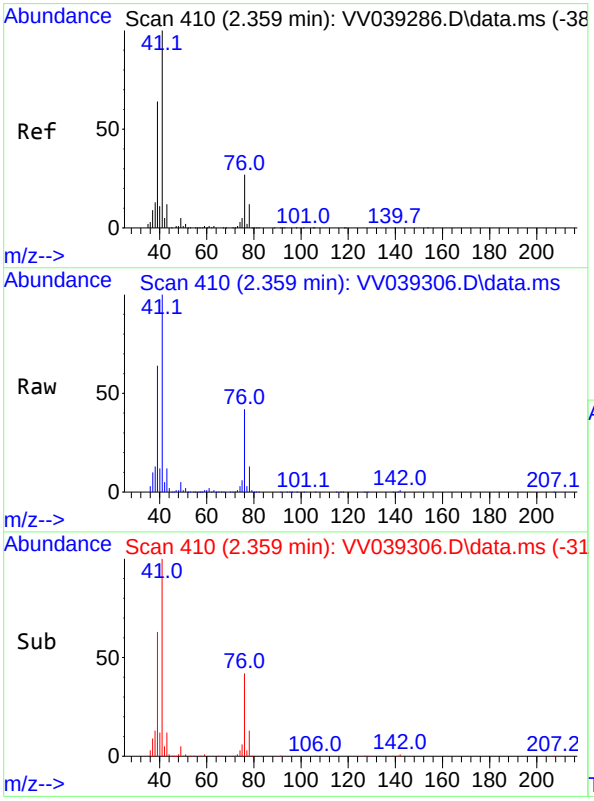
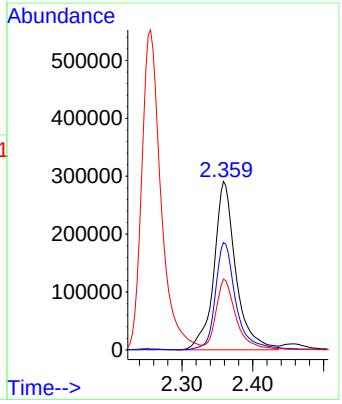
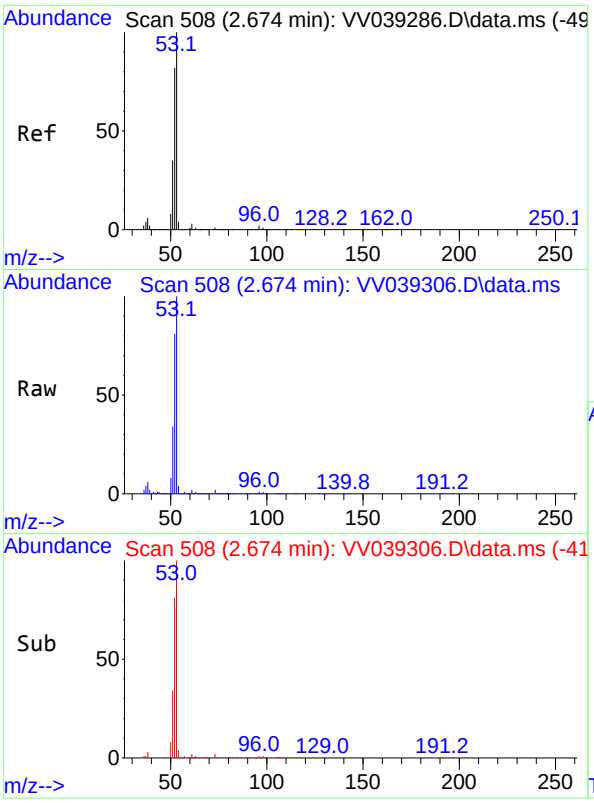


#14
Allyl chloride
Concen: 45.823 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 41 Resp: 624182

Ion	Ratio	Lower	Upper
41	100		
39	60.1	47.8	71.6
76	38.1	30.2	45.2

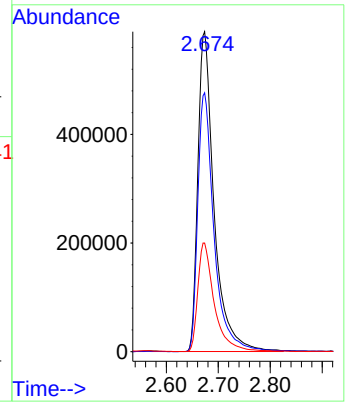




#15
Acrylonitrile
Concen: 245.798 ug/l
RT: 2.674 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 53 Resp: 127916

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.0	97.6
51	34.5	27.9	41.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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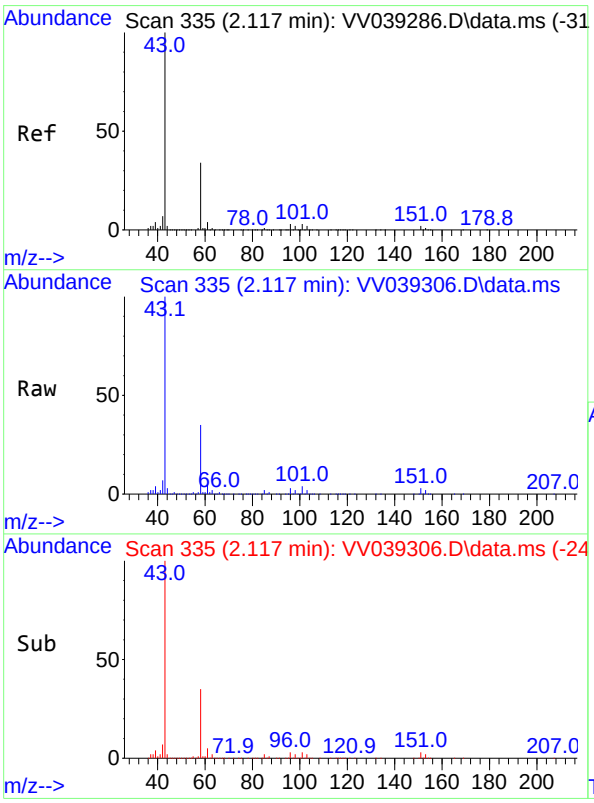
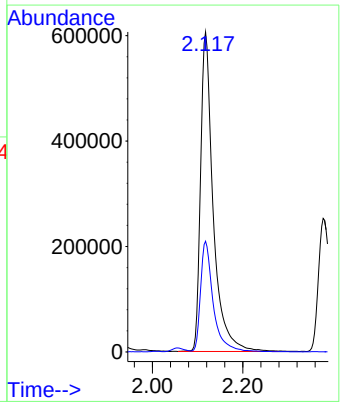
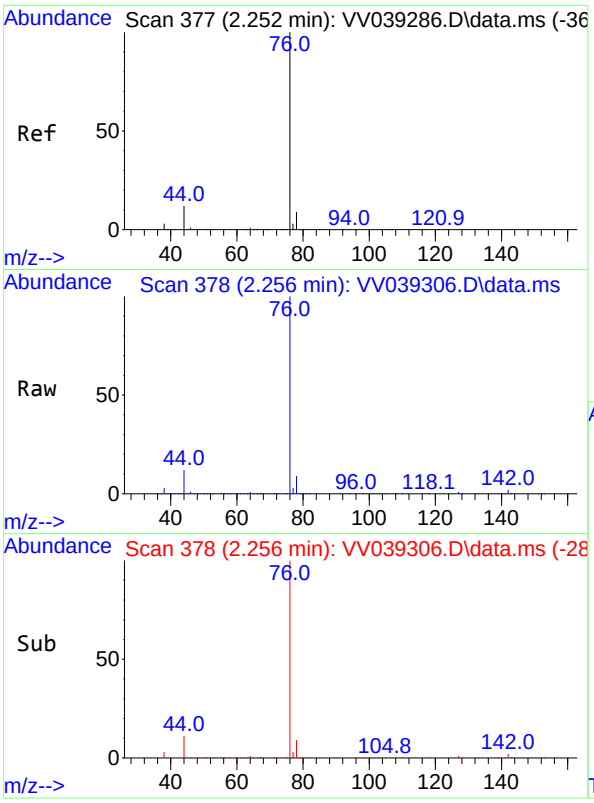


#16
Acetone
Concen: 280.314 ug/l
RT: 2.117 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 43 Resp: 1174237

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.5	41.3

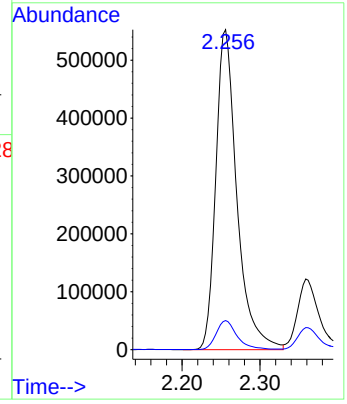




#17
Carbon Disulfide
Concen: 42.845 ug/l
RT: 2.256 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 76 Resp: 103987

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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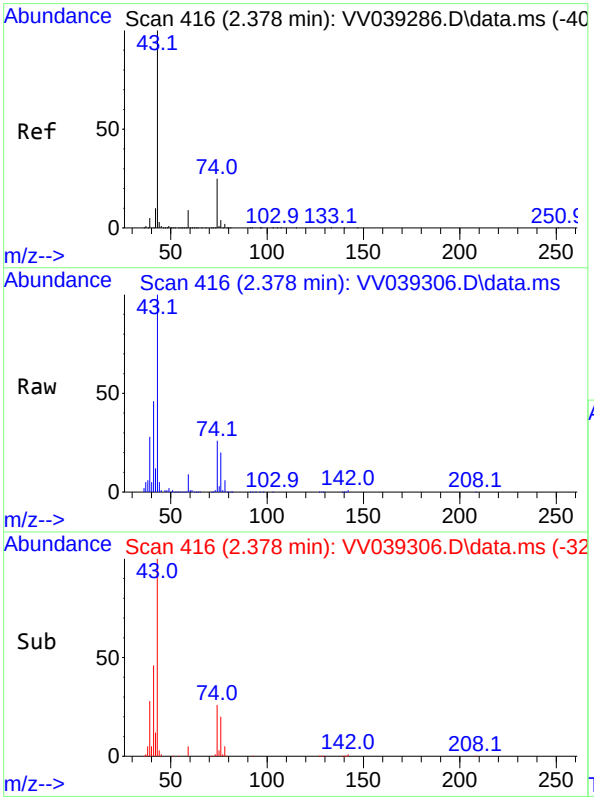
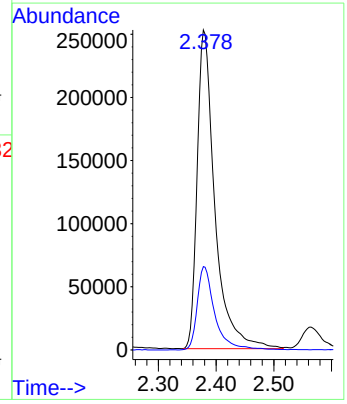
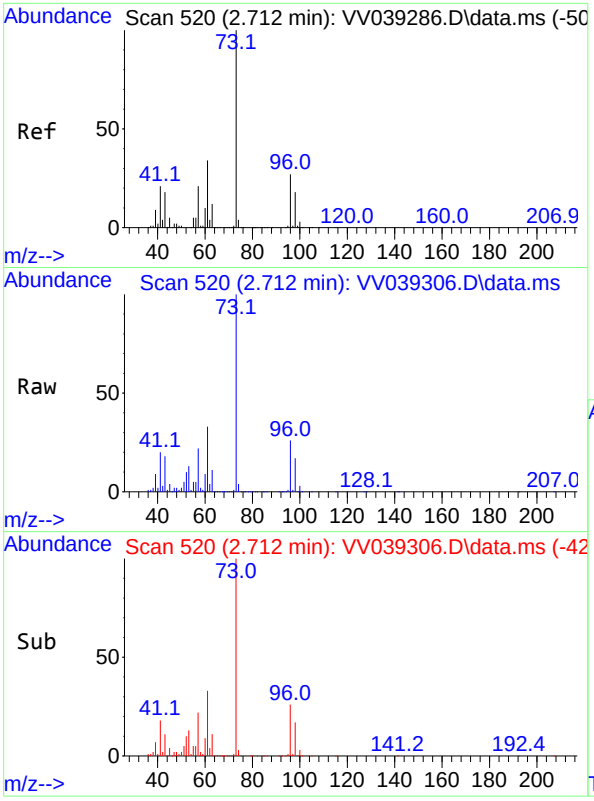


#18
Methyl Acetate
Concen: 45.910 ug/l
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 43 Resp: 538703

Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.5	29.3

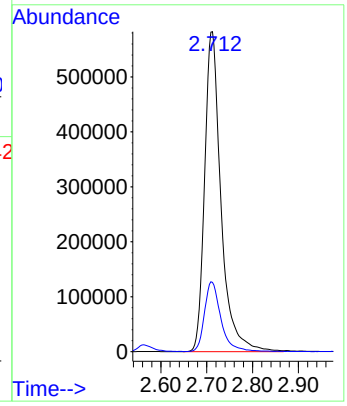




#19
Methyl tert-butyl Ether
Concen: 55.858 ug/l
RT: 2.712 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 73 Resp: 144467

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.0	25.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
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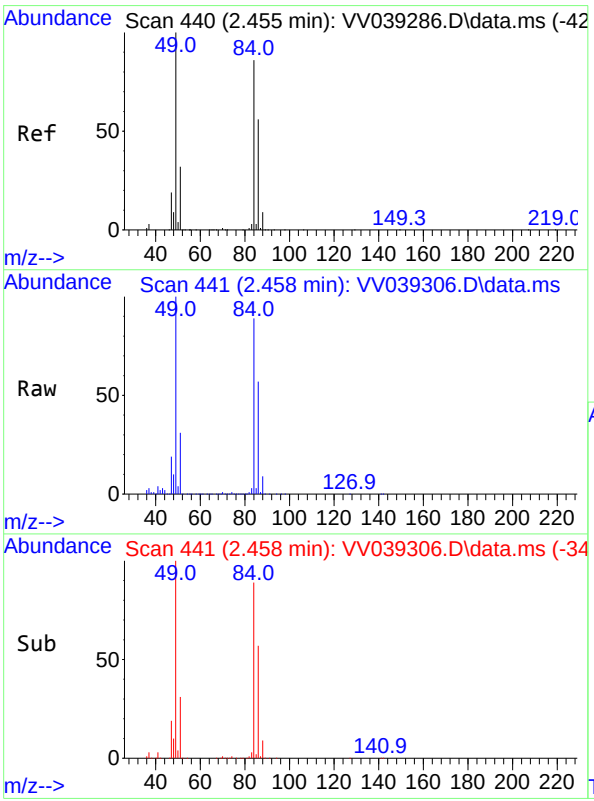
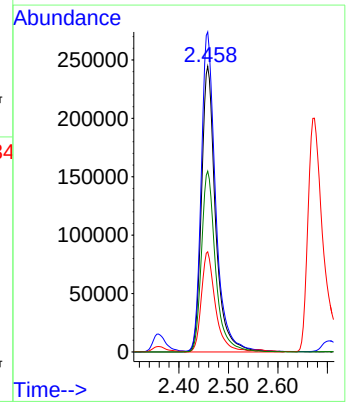
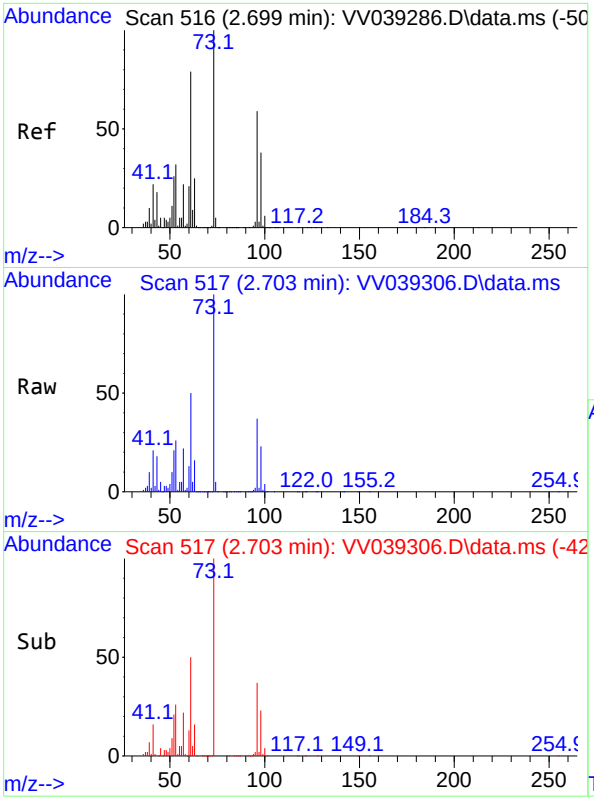


#20
Methylene Chloride
Concen: 60.899 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 84 Resp: 485528

Ion	Ratio	Lower	Upper
84	100		
49	111.9	92.6	139.0
51	34.9	29.6	44.4
86	63.3	51.4	77.2

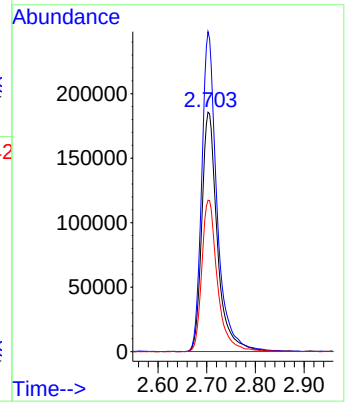




#21
trans-1,2-Dichloroethene
Concen: 45.462 ug/l
RT: 2.703 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 96 Resp: 41130

Ion	Ratio	Lower	Upper
96	100		
61	133.6	106.8	160.2
98	63.2	51.1	76.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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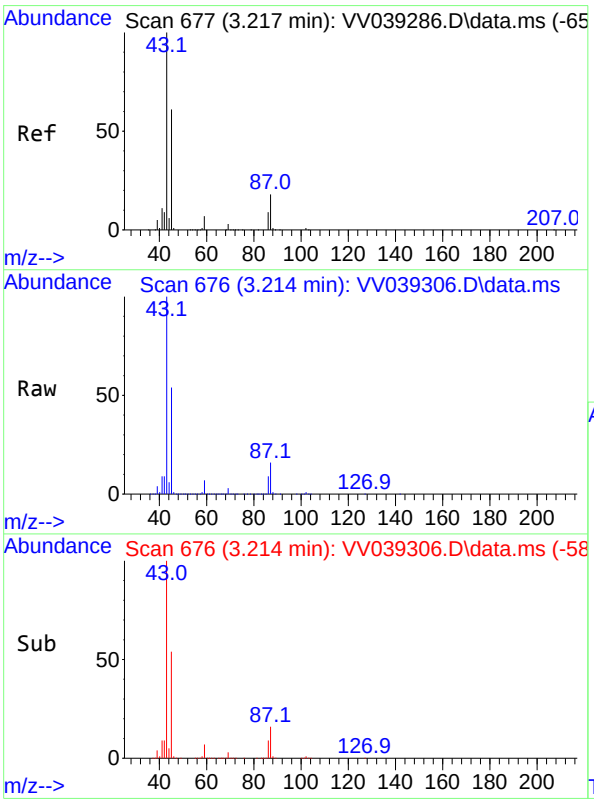
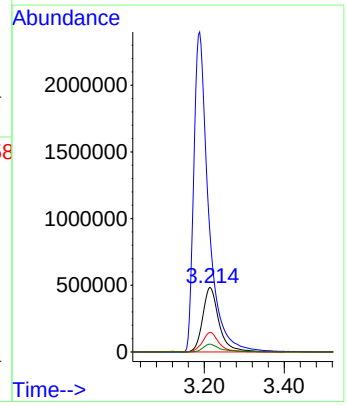
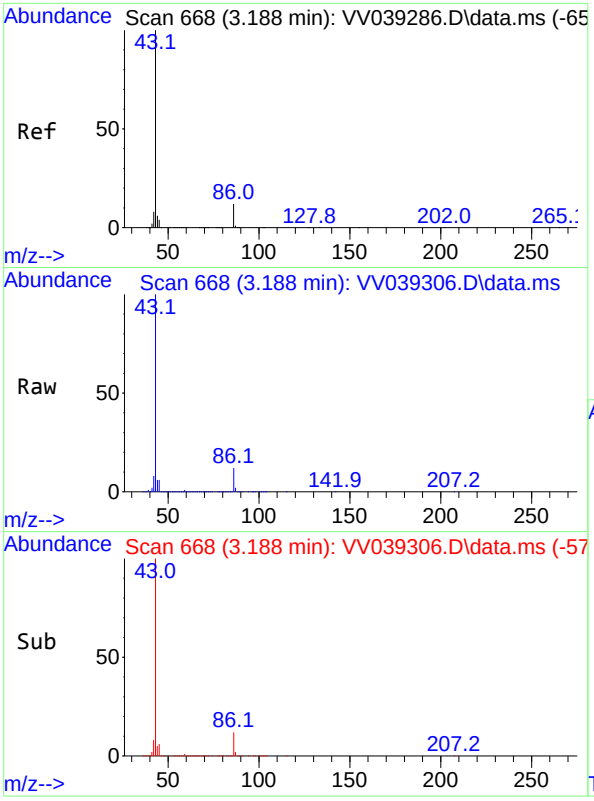


#22
Diisopropyl ether
Concen: 56.278 ug/l
RT: 3.214 min Scan# 676
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 45 Resp: 1376335

Ion	Ratio	Lower	Upper
45	100		
43	184.7	130.8	196.2
87	30.2	23.8	35.8
59	12.1	9.8	14.8





#23
Vinyl Acetate
Concen: 287.608 ug/l
RT: 3.188 min Scan# 6
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 43 Resp: 617491

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.4	14.2

Instrument :
MSVOA_V
ClientSampleId :
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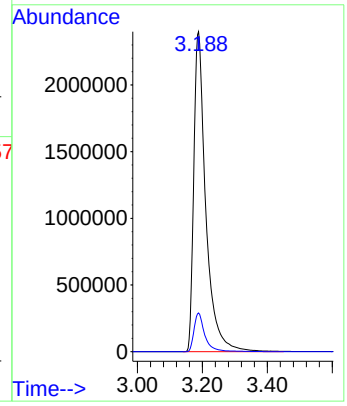
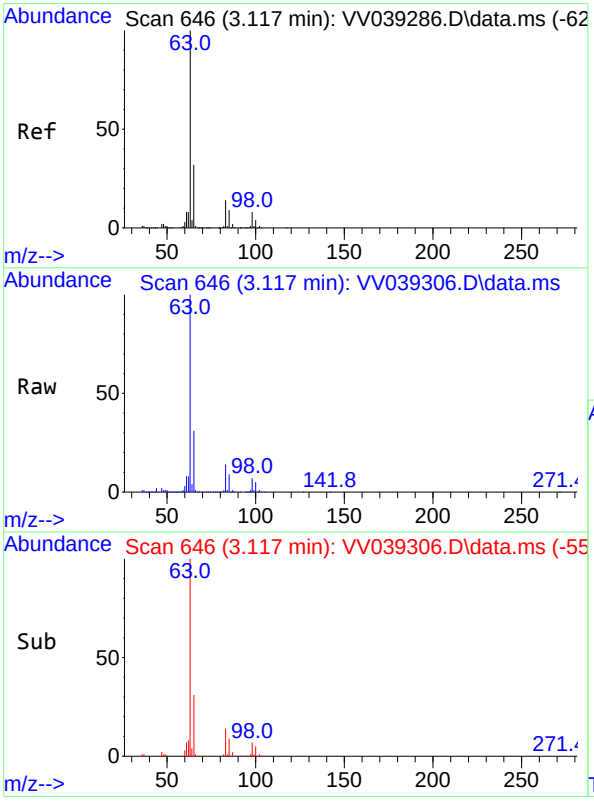
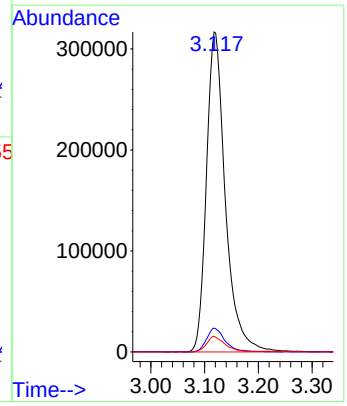


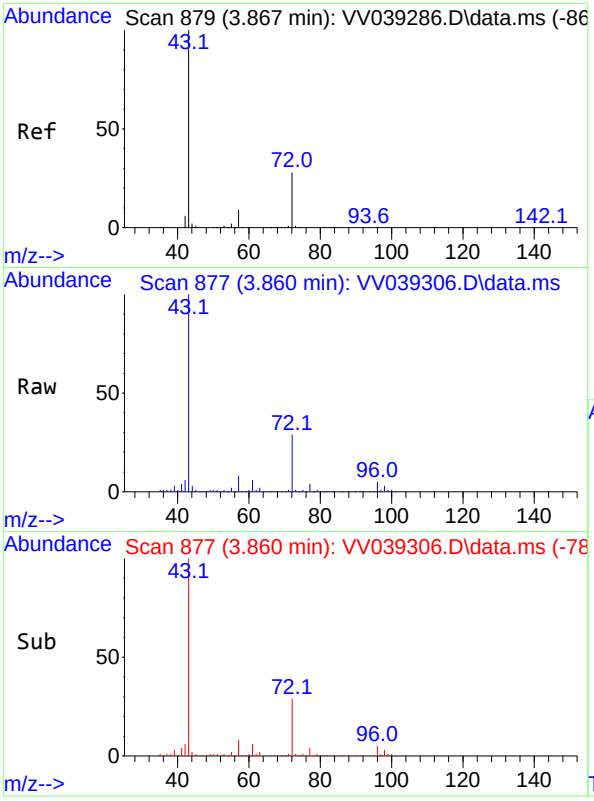


#24
1,1-Dichloroethane
Concen: 47.249 ug/l
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 63 Resp: 774138

Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	12.0
100	4.9	2.3	6.8

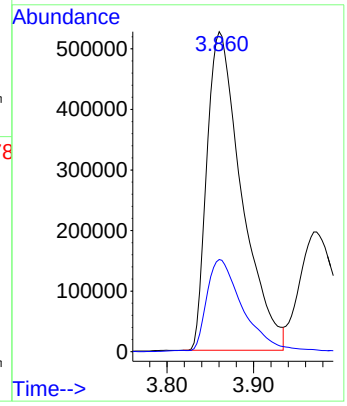




#25
2-Butanone
Concen: 264.955 ug/l
RT: 3.860 min Scan# 8
Delta R.T. -0.006 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 43 Resp: 146725

Ion	Ratio	Lower	Upper
43	100		
72	28.5	22.6	34.0



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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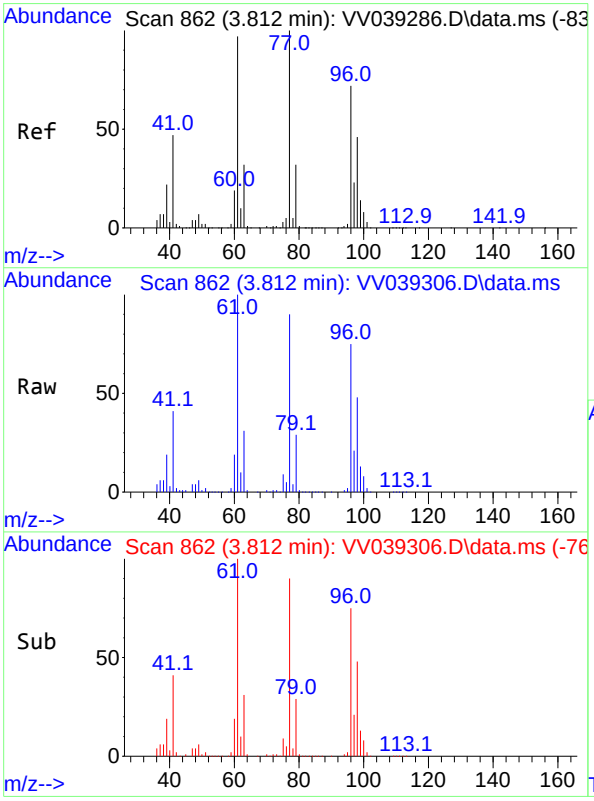
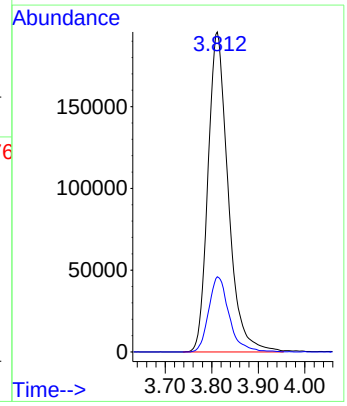
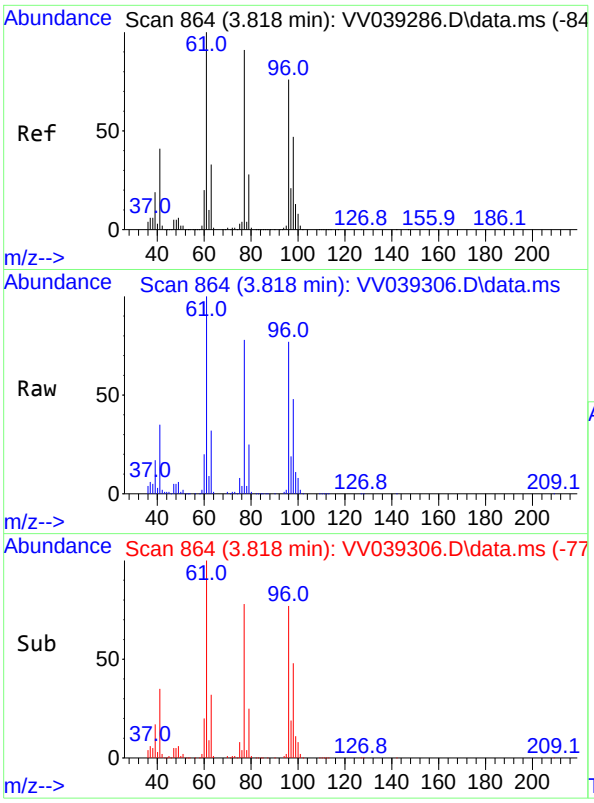


#26
2,2-Dichloropropane
Concen: 44.765 ug/l
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 77 Resp: 590738

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.8

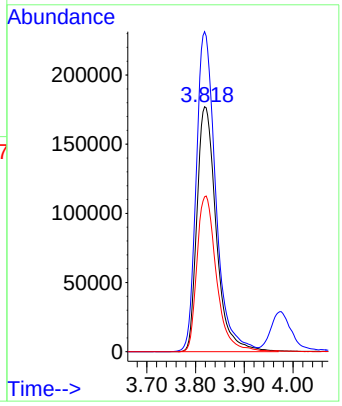




#27
cis-1,2-Dichloroethene
Concen: 53.658 ug/l
RT: 3.818 min Scan# 8
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 96 Resp: 48607

Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	275.0
98	64.4	0.0	127.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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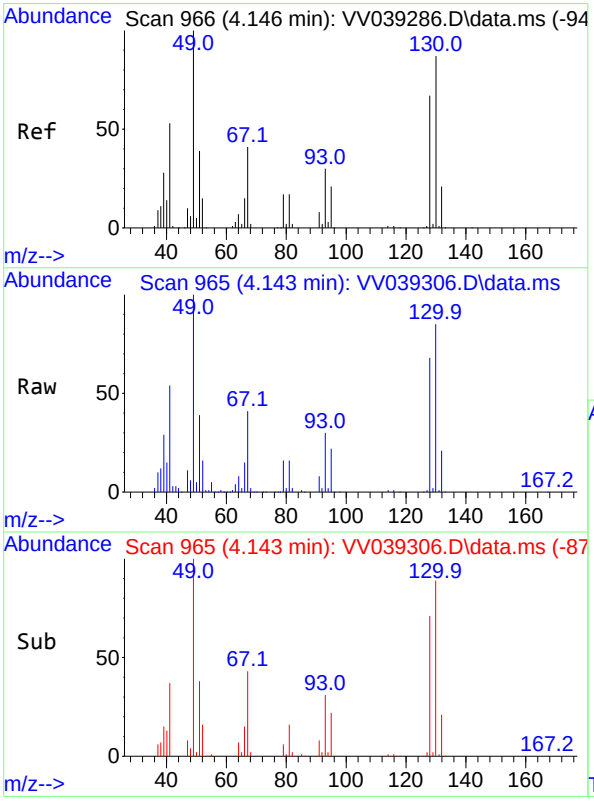
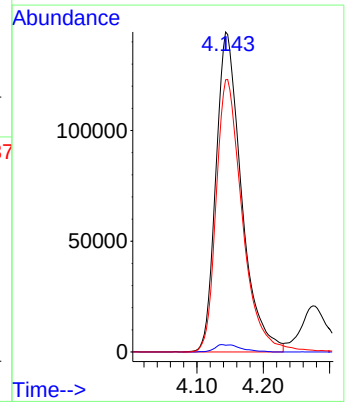
Supervised By :Mahesh Dadoda 11/05/2025

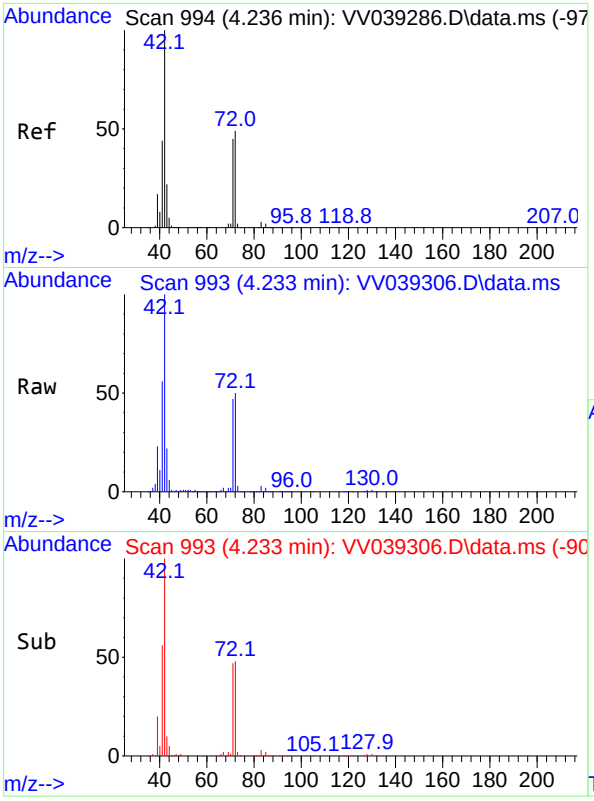


#28
Bromochloromethane
Concen: 55.360 ug/l
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 49 Resp: 386703

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.8
130	87.5	69.5	104.3

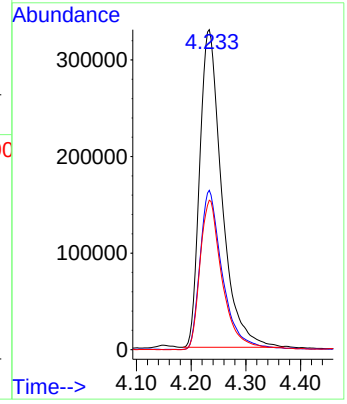




#29
Tetrahydrofuran
Concen: 260.808 ug/l
RT: 4.233 min Scan# 9
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 42 Resp: 92346

Ion	Ratio	Lower	Upper
42	100		
72	50.6	39.8	59.8
71	47.5	36.5	54.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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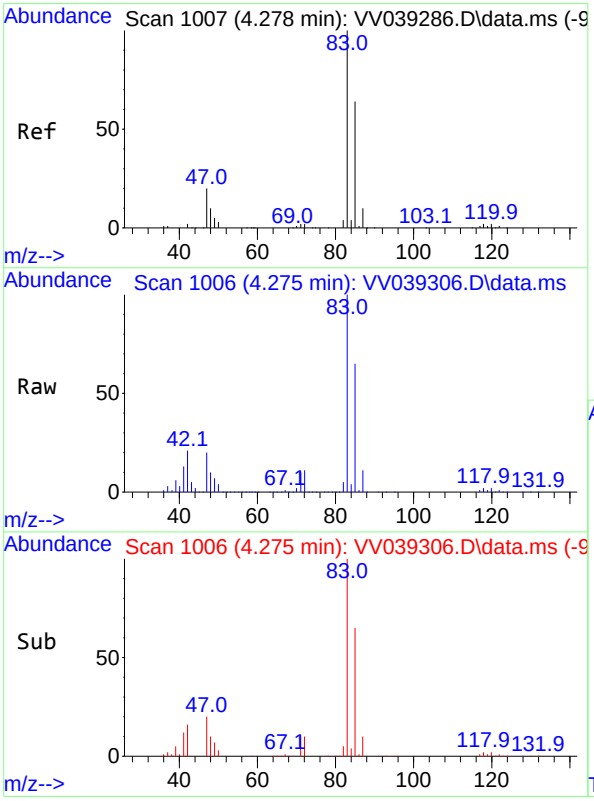
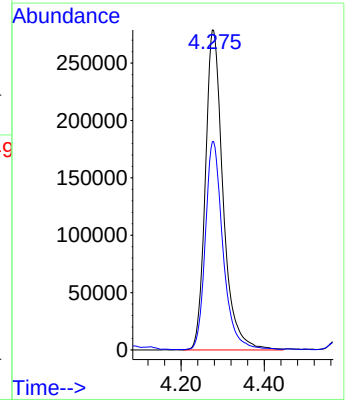
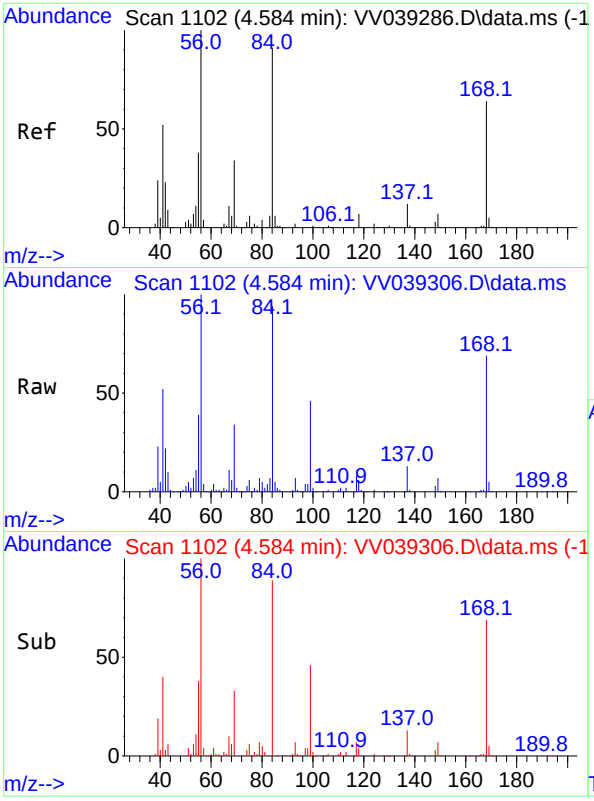


#30
Chloroform
Concen: 49.444 ug/l
RT: 4.275 min Scan# 1006
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 83 Resp: 826124

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7

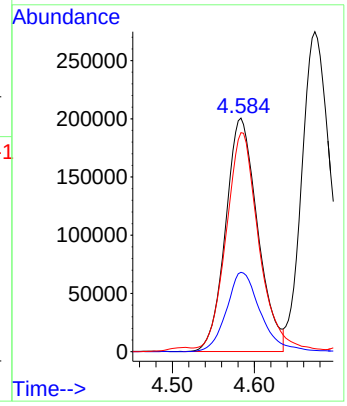




#31
Cyclohexane
Concen: 45.579 ug/l
RT: 4.584 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 56 Resp: 54392

Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.4	41.0
84	92.1	72.8	109.2



Instrument :
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ClientSampleId :
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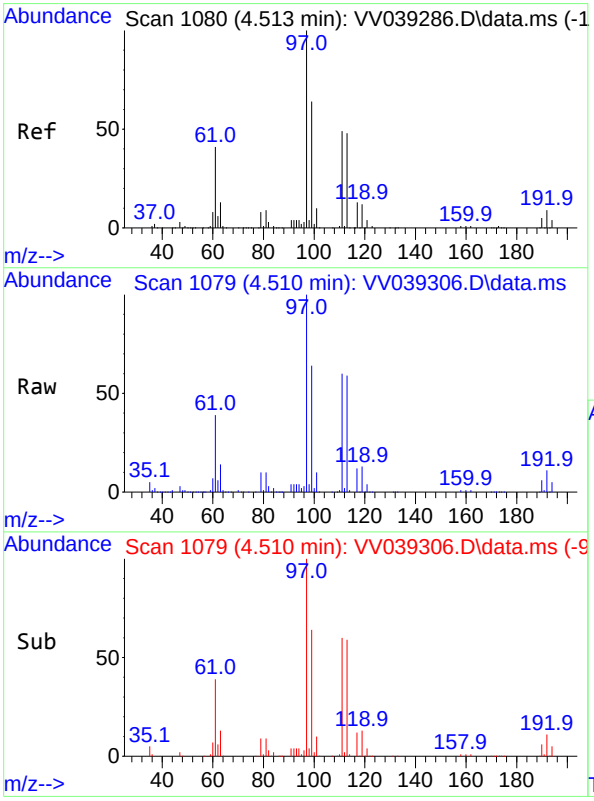
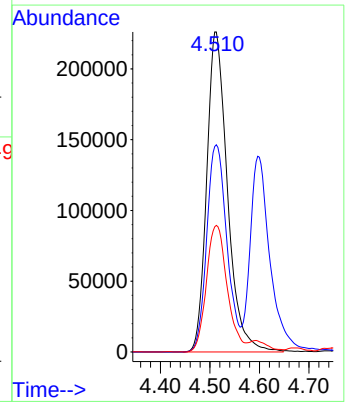
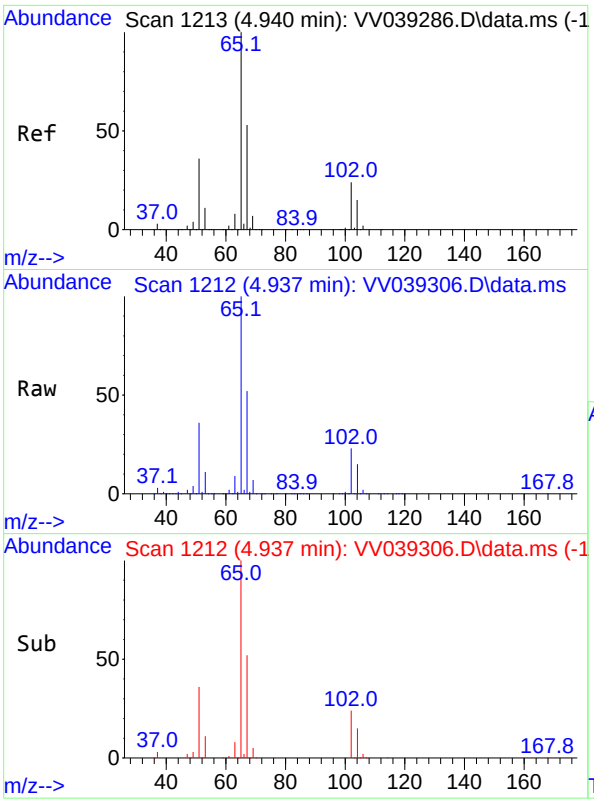


#32
1,1,1-Trichloroethane
Concen: 45.126 ug/l
RT: 4.510 min Scan# 1079
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 97 Resp: 659230

Ion	Ratio	Lower	Upper
97	100		
99	62.7	48.6	72.8
61	39.7	31.8	47.8

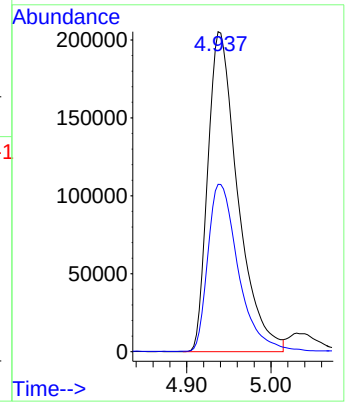




#33
1,2-Dichloroethane-d4
Concen: 56.092 ug/l
RT: 4.937 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 65 Resp: 50792

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	108.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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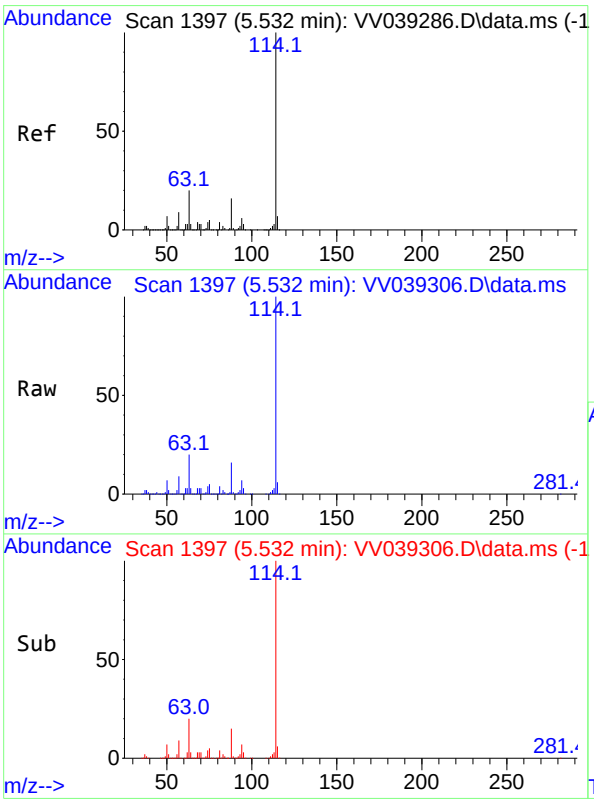
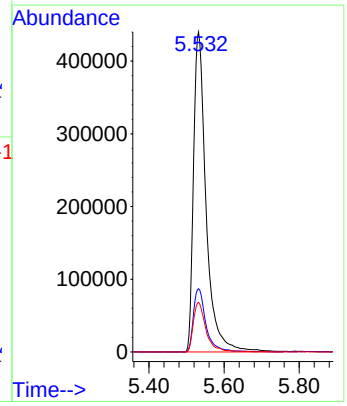
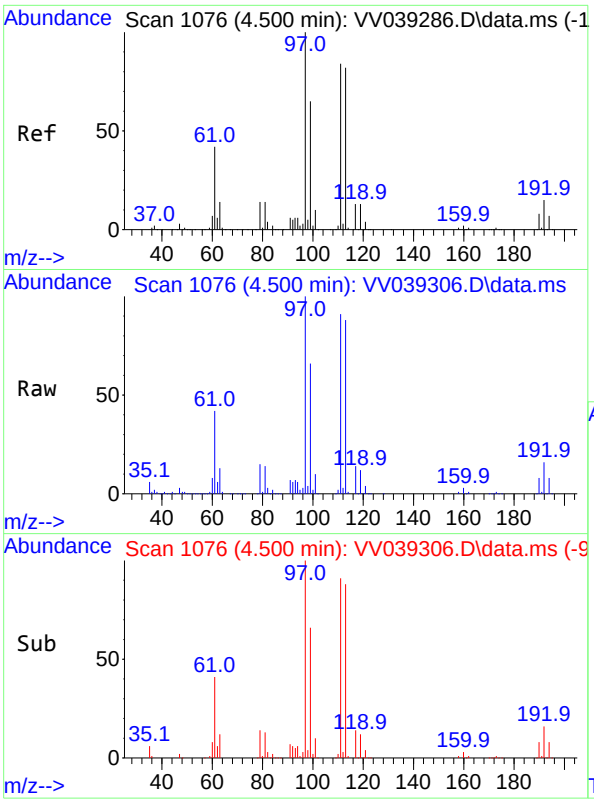


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:114 Resp: 1024756

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.5	0.0	31.6





#35
Dibromofluoromethane
Concen: 53.726 ug/l
RT: 4.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 43379

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	17.8	14.3	21.5

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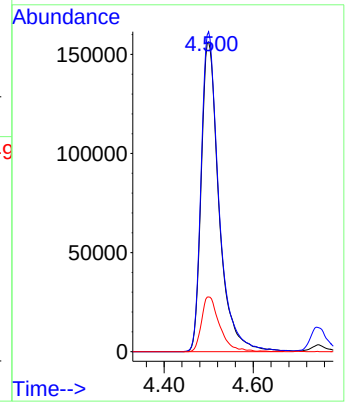
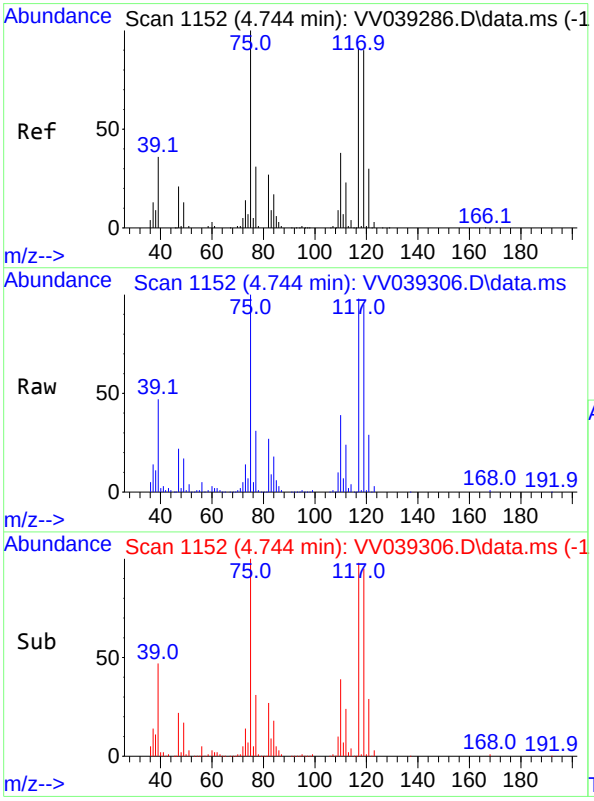
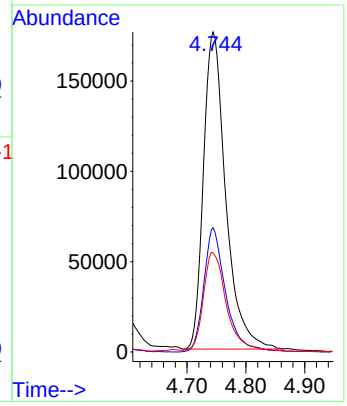


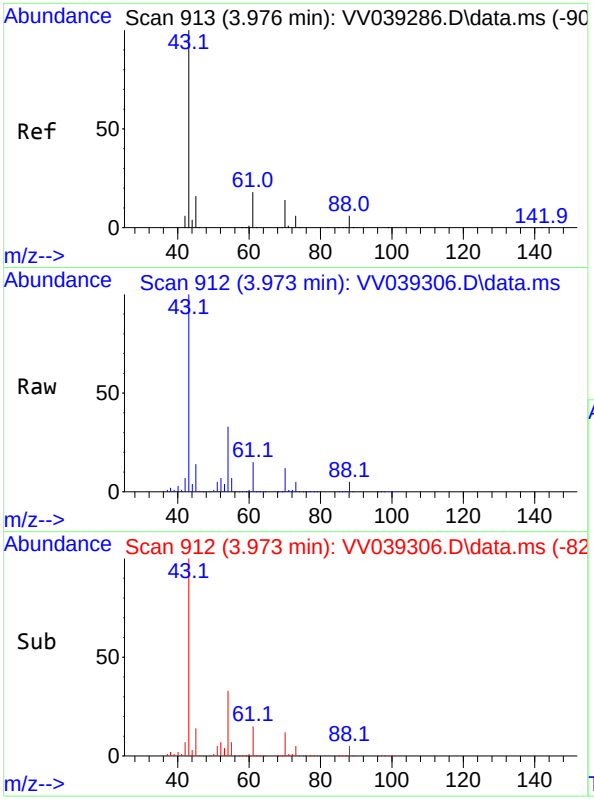


#36
1,1-Dichloropropene
Concen: 45.602 ug/l
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 75 Resp: 462466

Ion	Ratio	Lower	Upper
75	100		
110	38.6	18.9	56.7
77	31.0	24.1	36.1

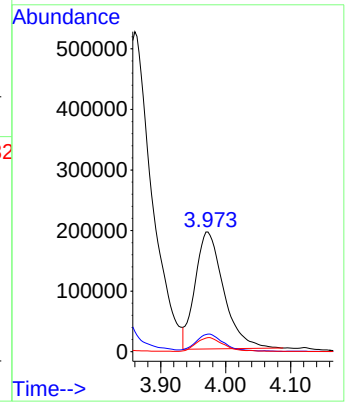




#37
Ethyl Acetate
Concen: 49.883 ug/l
RT: 3.973 min Scan# 9
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 43 Resp: 59224

Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.2	18.2
70	10.8	9.0	13.4



Instrument :
MSVOA_V
ClientSampleId :
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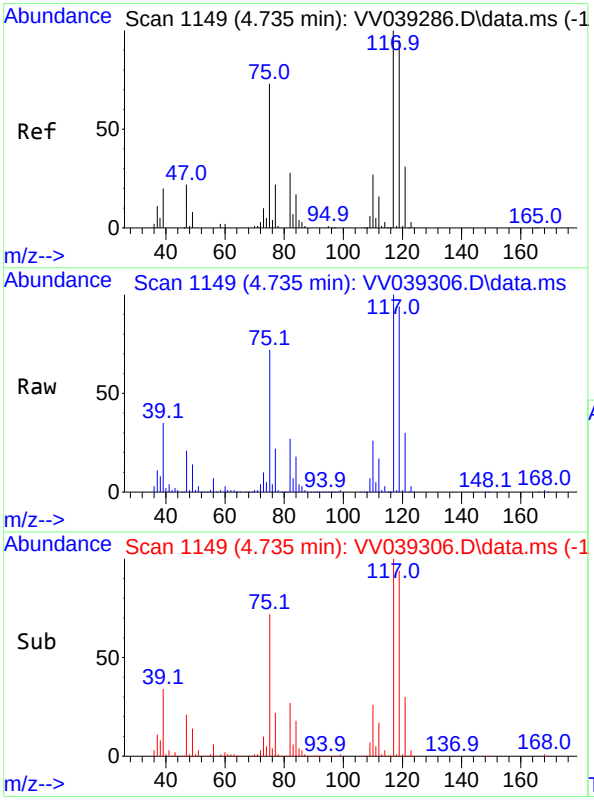
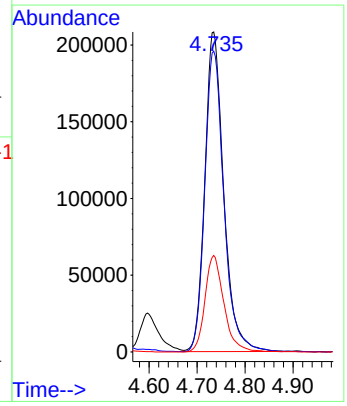
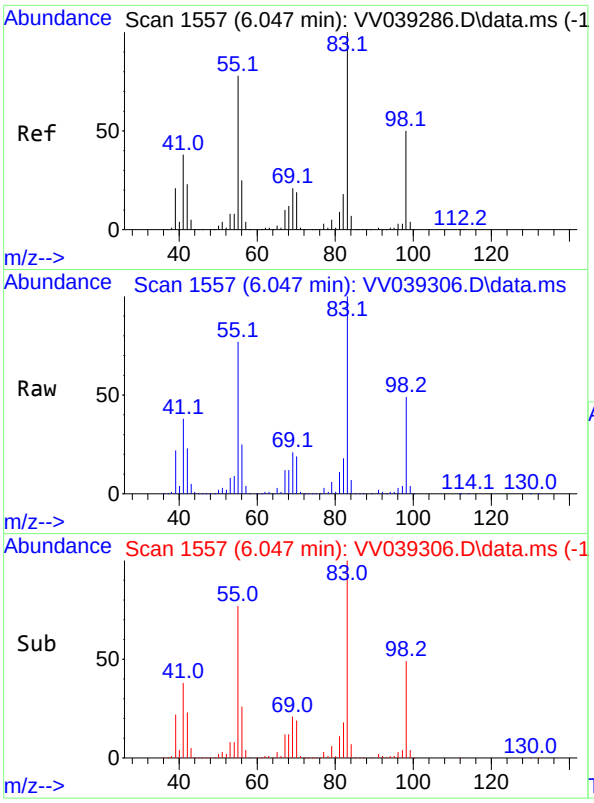


#38
Carbon Tetrachloride
Concen: 46.250 ug/l
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:117 Resp: 571435

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.9	113.9
121	30.2	24.6	37.0





#39
Methylcyclohexane
Concen: 45.576 ug/l
RT: 6.047 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 83 Resp: 52825

Ion	Ratio	Lower	Upper
83	100		
55	76.6	62.1	93.1
98	48.5	40.2	60.4

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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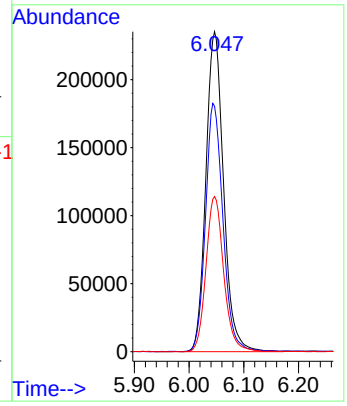
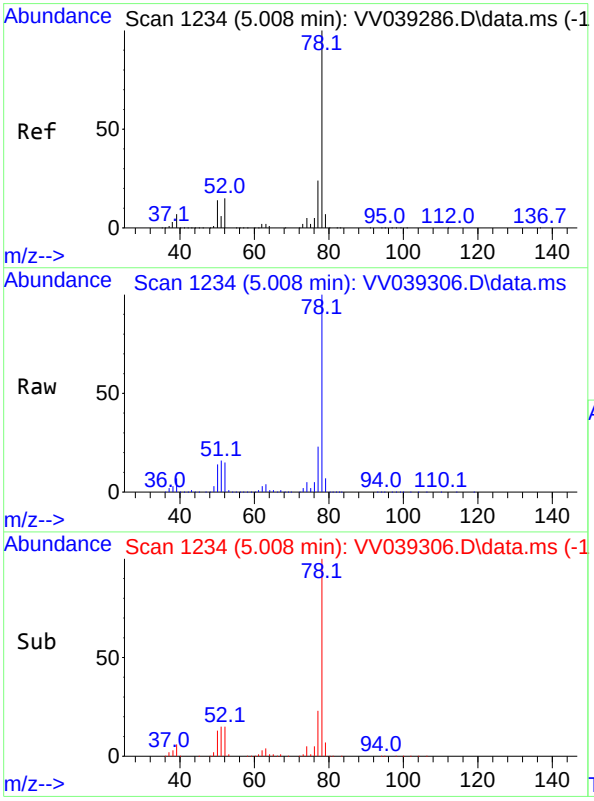
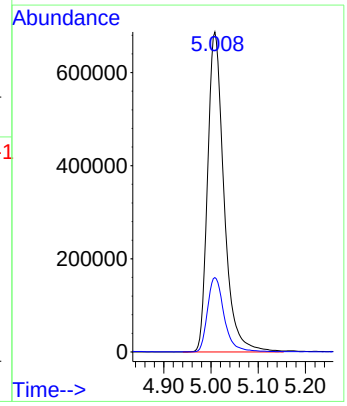


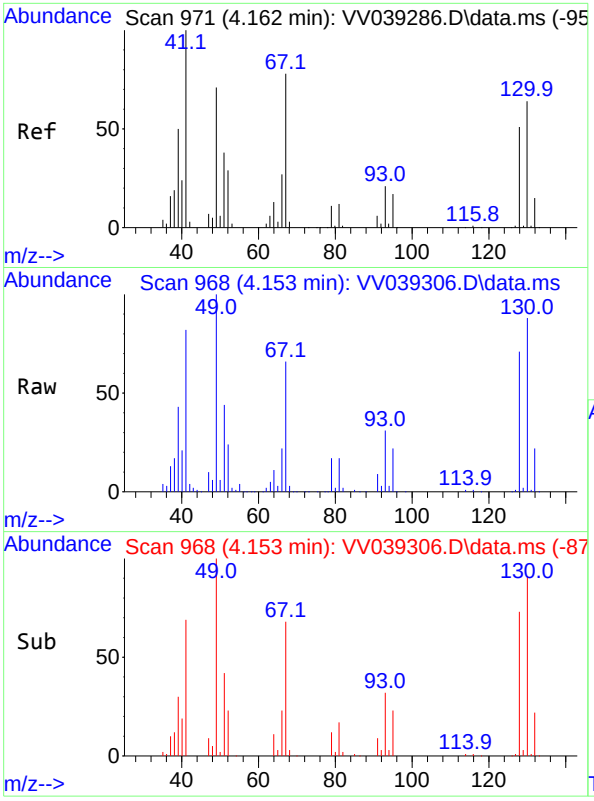


#40
Benzene
Concen: 50.813 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 78 Resp: 1653548

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3

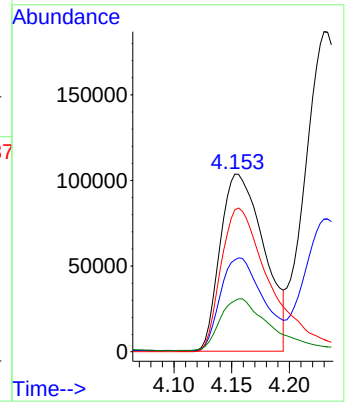




#41
Methacrylonitrile
Concen: 53.736 ug/l
RT: 4.153 min Scan# 9
Delta R.T. -0.010 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 41 Resp: 27353

Ion	Ratio	Lower	Upper
41	100		
39	51.6	40.9	61.3
67	92.1	73.1	109.7
52	34.5	27.8	41.6



Instrument :
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ClientSampleId :
VSTDCCC050

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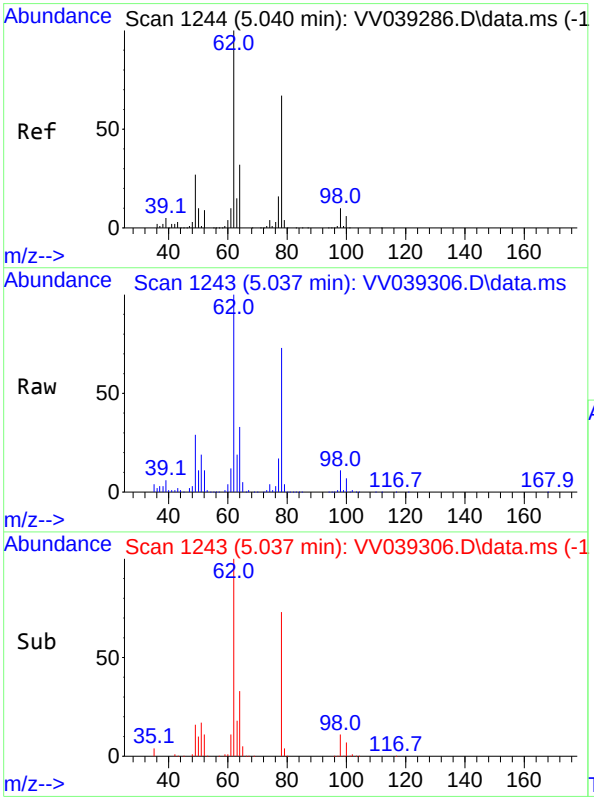
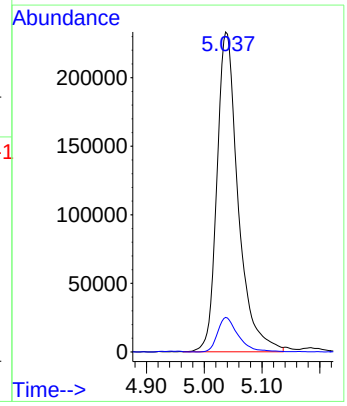
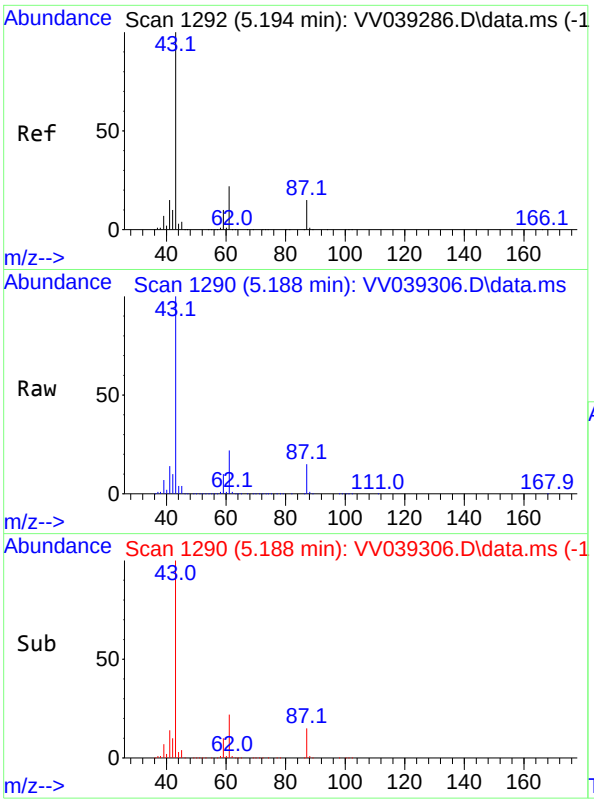


#42
1,2-Dichloroethane
Concen: 52.074 ug/l
RT: 5.037 min Scan# 1243
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 62 Resp: 594744

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0





#43
Isopropyl Acetate
Concen: 58.059 ug/l
RT: 5.188 min Scan# 1
Delta R.T. -0.006 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 43 Resp: 90245

Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.1	25.7
87	14.7	11.5	17.3

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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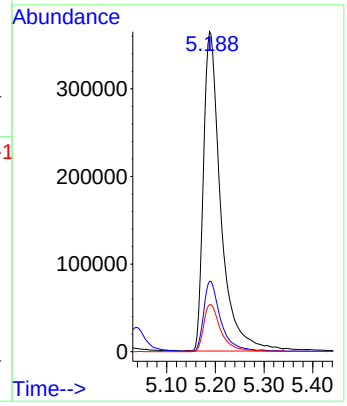
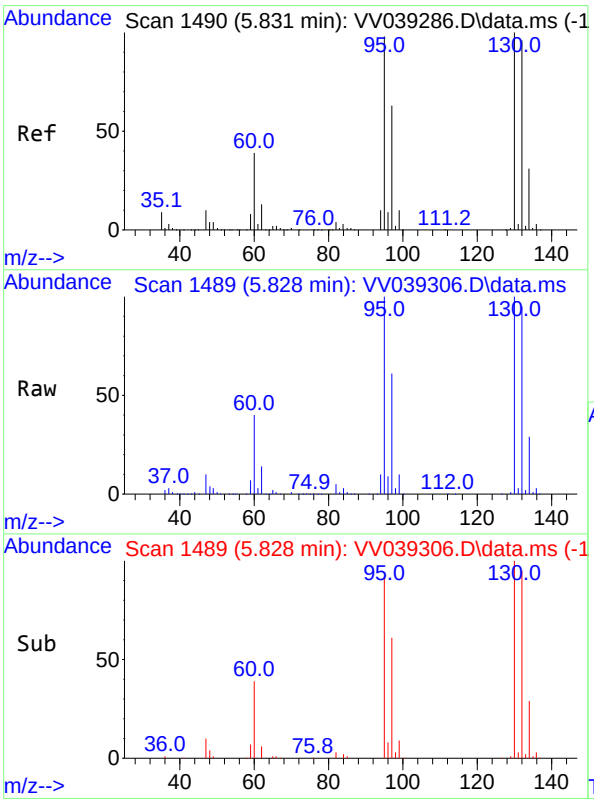
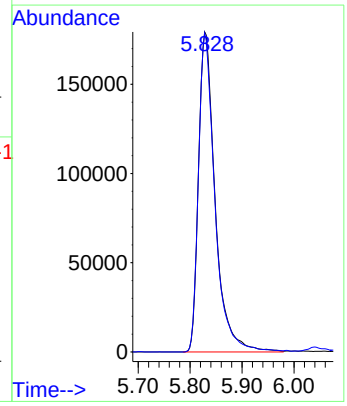


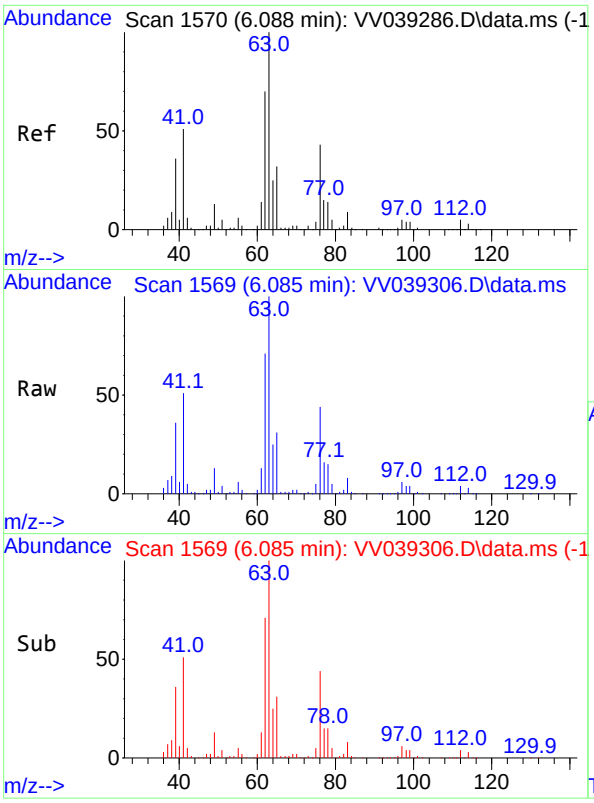


#44
Trichloroethene
Concen: 48.767 ug/l
RT: 5.828 min Scan# 1489
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:130 Resp: 399079

Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	196.6

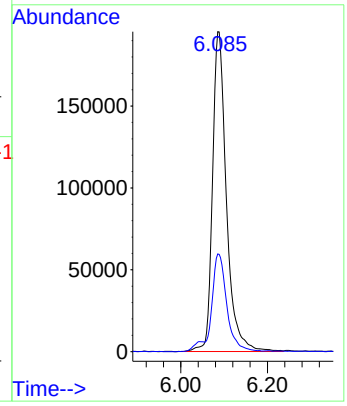




#45
1,2-Dichloropropane
Concen: 54.926 ug/l
RT: 6.085 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 63 Resp: 43493

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.4	38.2



Instrument :
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ClientSampleId :
VSTDCCC050

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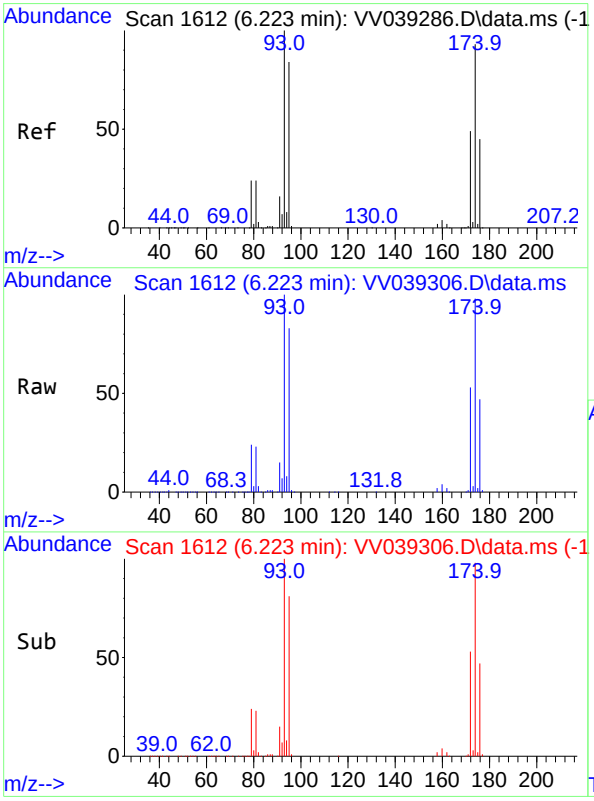
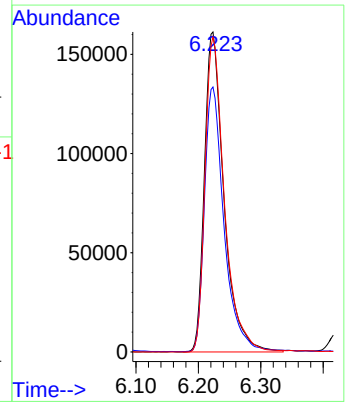
Supervised By :Mahesh Dadoda 11/05/2025

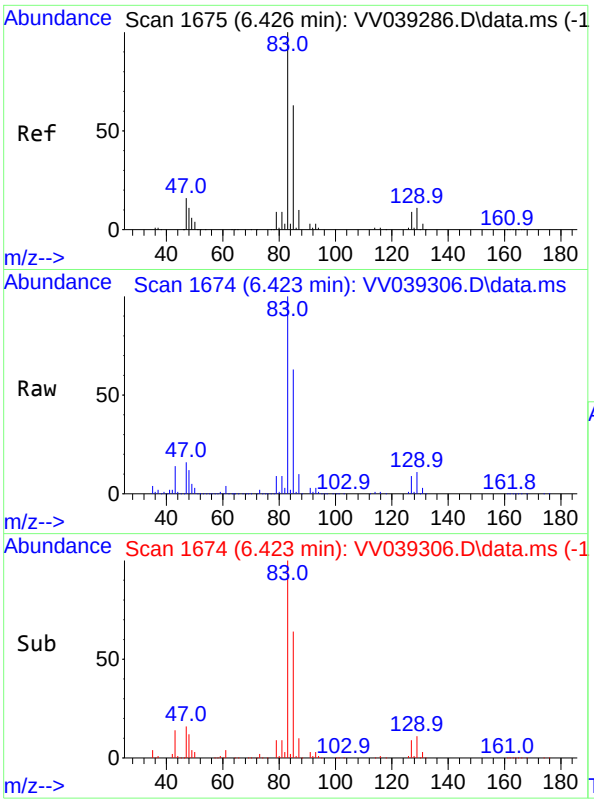


#46
Dibromomethane
Concen: 52.994 ug/l
RT: 6.223 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 93 Resp: 350757

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.6	98.4
174	97.7	74.6	112.0

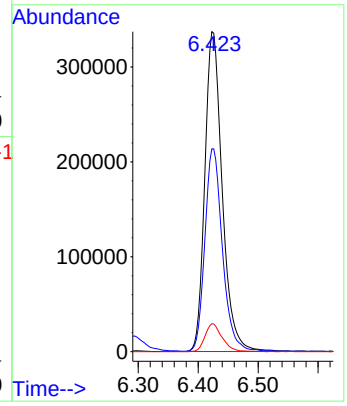




#47
Bromodichloromethane
Concen: 52.319 ug/l
RT: 6.423 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 83 Resp: 68231

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.9	76.3
127	8.7	7.0	10.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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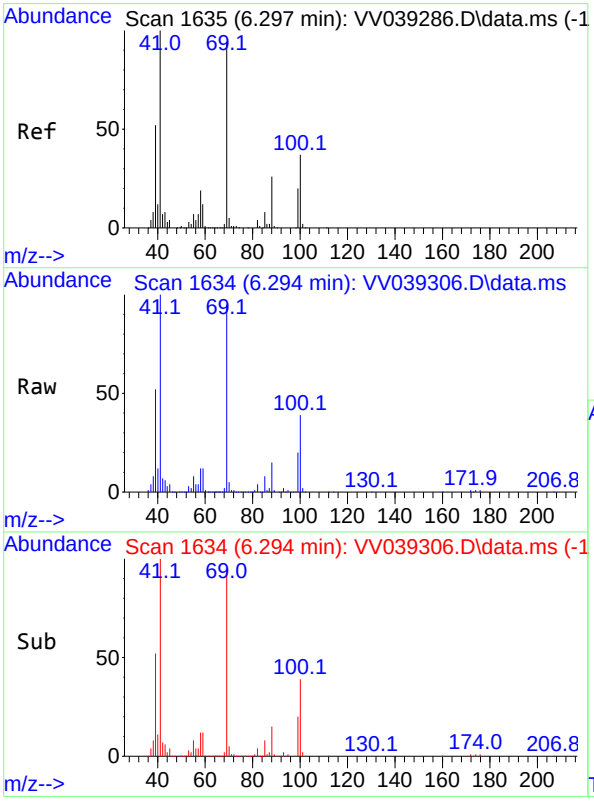
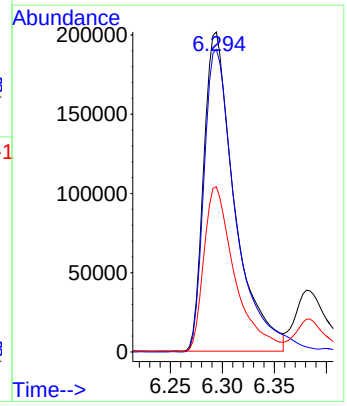
Supervised By :Mahesh Dadoda 11/05/2025

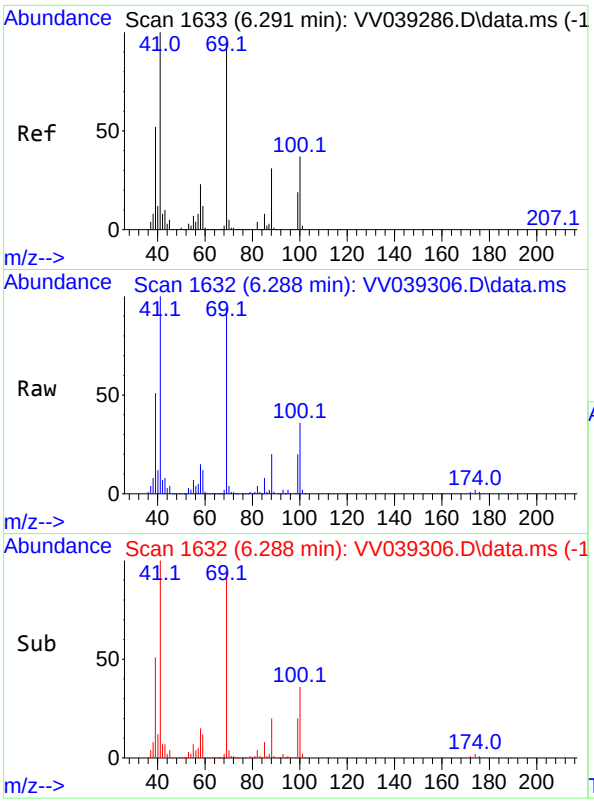


#48
Methyl methacrylate
Concen: 57.640 ug/l
RT: 6.294 min Scan# 1634
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 41 Resp: 415063

Ion	Ratio	Lower	Upper
41	100		
69	99.0	77.2	115.8
39	51.8	41.4	62.0

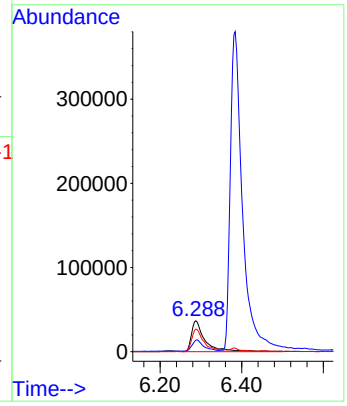




#49
1,4-Dioxane
Concen: 715.578 ug/l m
RT: 6.288 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 88 Resp: 8571

Ion	Ratio	Lower	Upper
88	100		
43	31.0	24.1	36.1
58	66.1	57.6	86.4



Instrument :
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ClientSampleId :
VSTDCCC050

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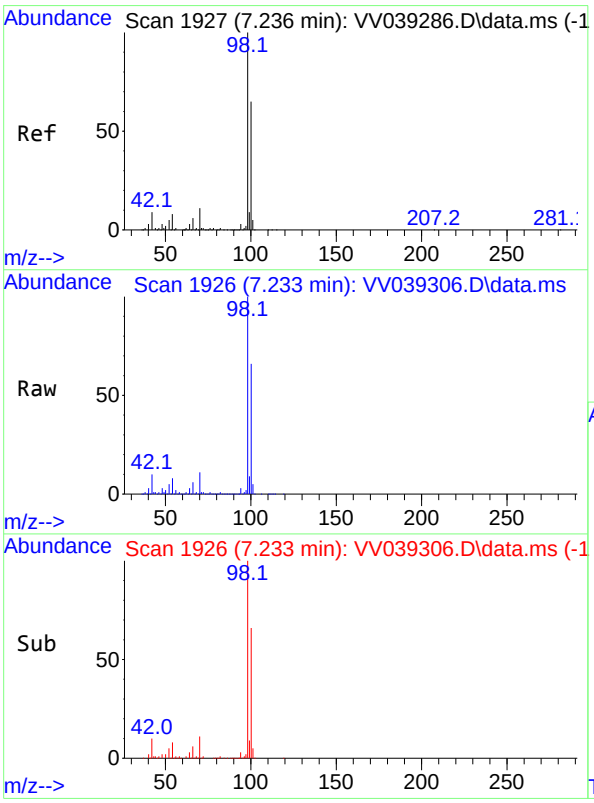
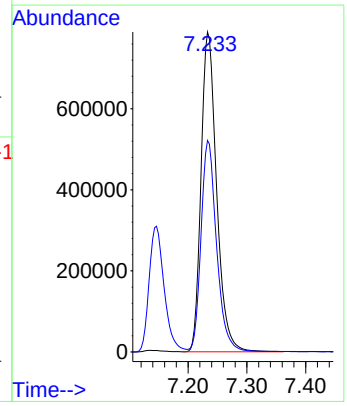
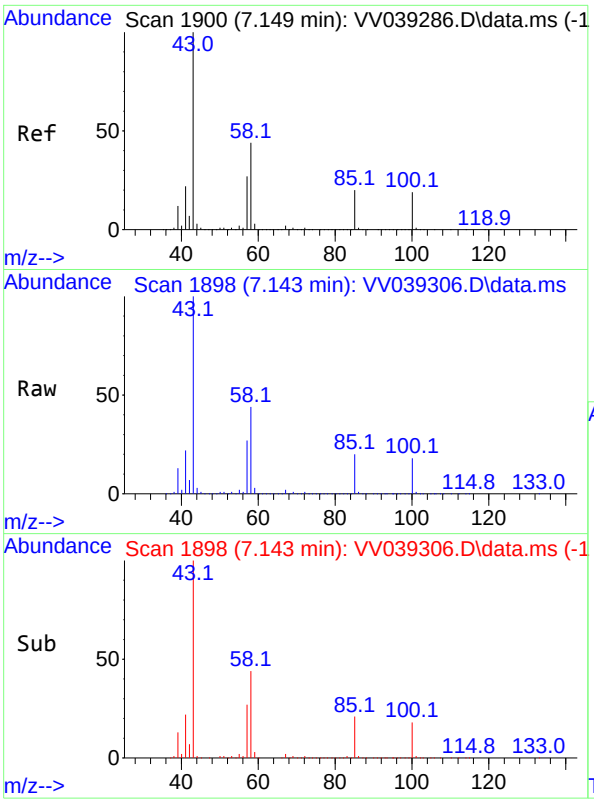


#50
Toluene-d8
Concen: 52.707 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 98 Resp: 1447777

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2

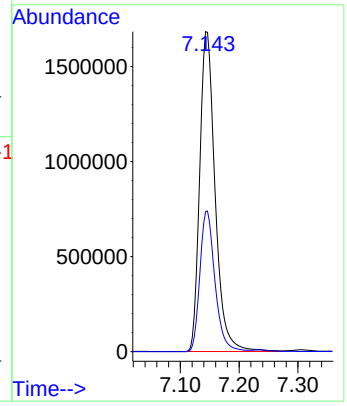




#51
4-Methyl-2-Pentanone
Concen: 284.472 ug/l
RT: 7.143 min Scan# 1
Delta R.T. -0.006 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 43 Resp: 306770

Ion	Ratio	Lower	Upper
43	100		
58	43.0	34.2	51.4



Instrument :
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ClientSampleId :
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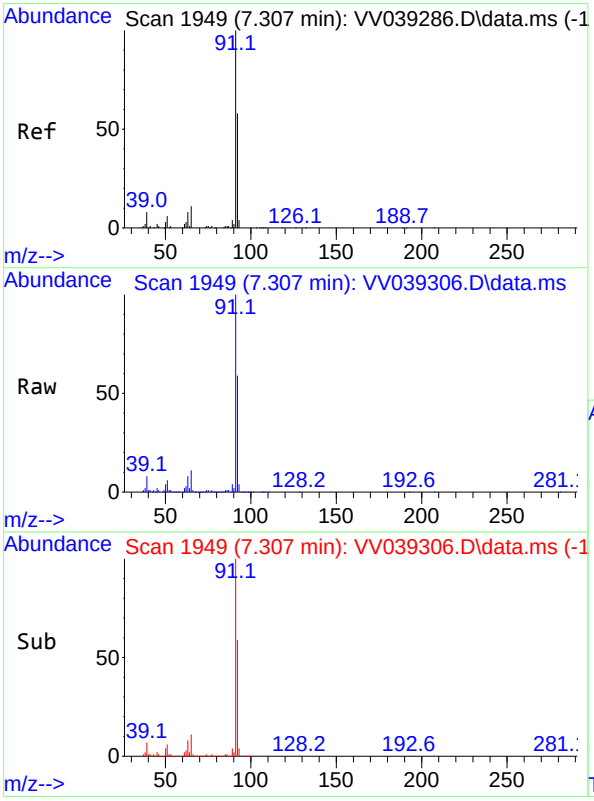
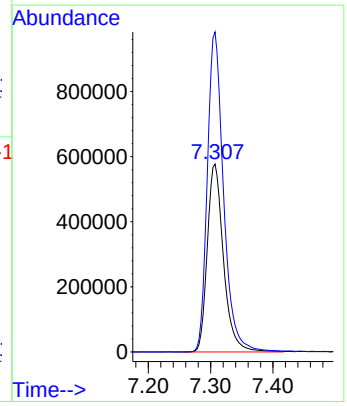
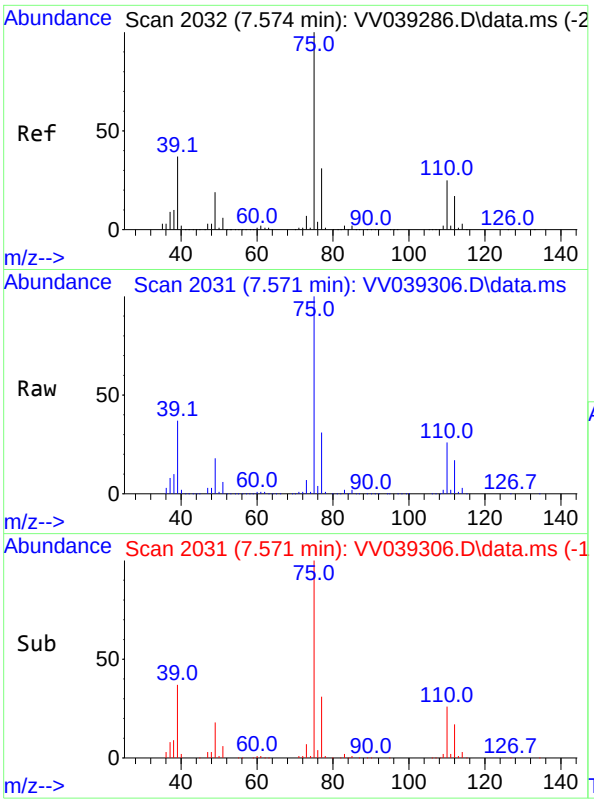


#52
Toluene
Concen: 53.182 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 92 Resp: 1044959

Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.3	205.9

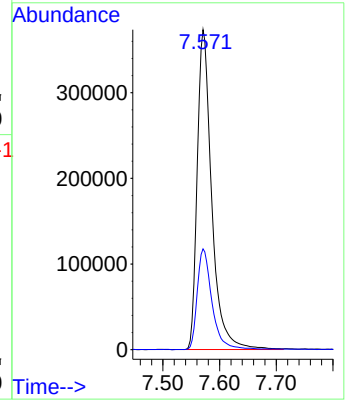




#53
t-1,3-Dichloropropene
Concen: 58.145 ug/l
RT: 7.571 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 75 Resp: 66271

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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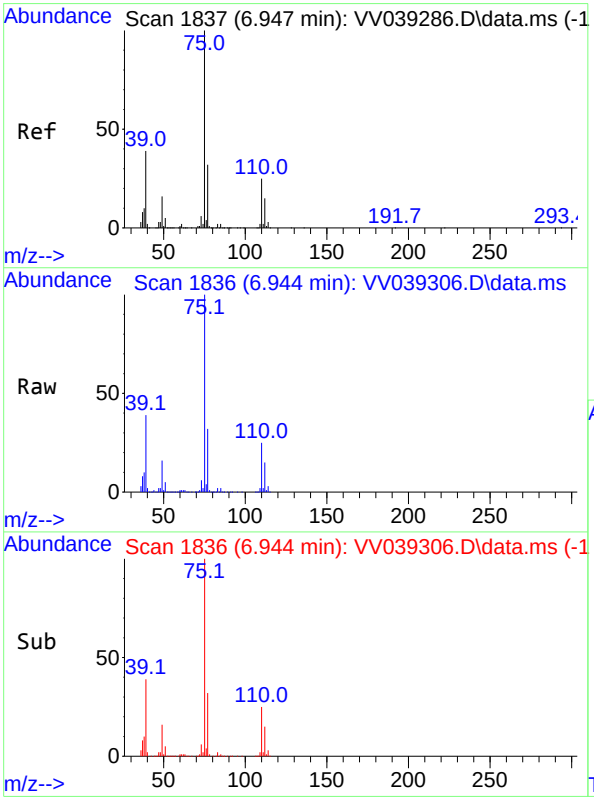
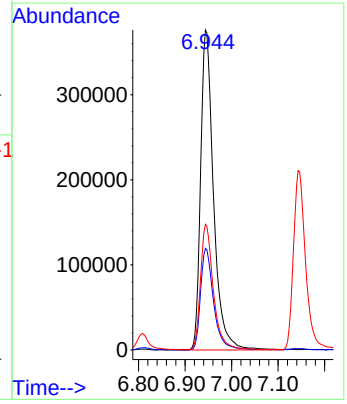
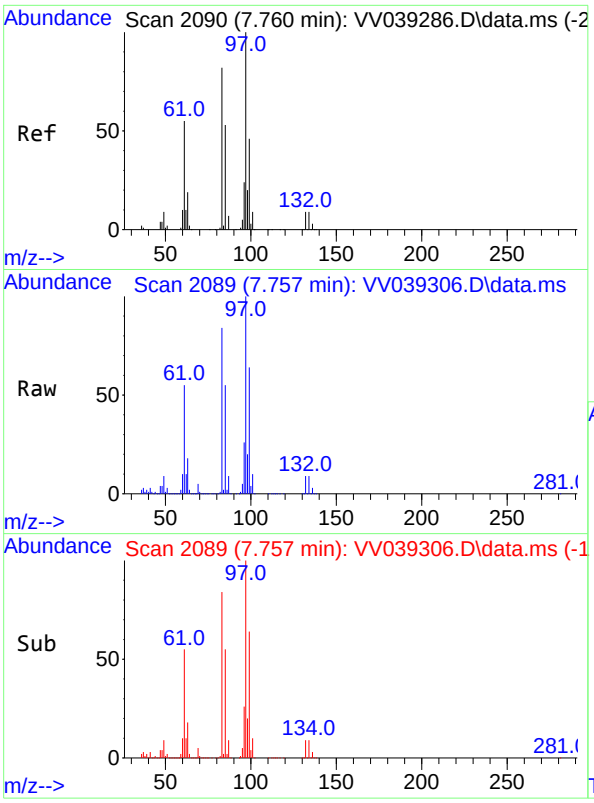


#54
cis-1,3-Dichloropropene
Concen: 57.165 ug/l
RT: 6.944 min Scan# 1836
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 75 Resp: 724372

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	39.1	31.0	46.6

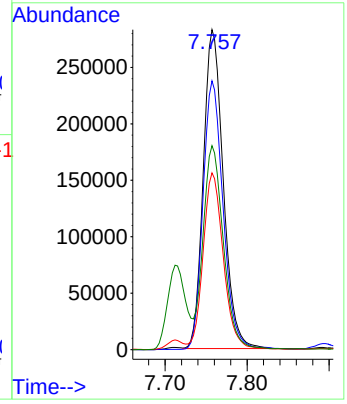




#55
1,1,2-Trichloroethane
Concen: 53.719 ug/l
RT: 7.757 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 97 Resp: 47660

Ion	Ratio	Lower	Upper
97	100		
83	84.1	65.8	98.8
85	55.2	43.3	64.9
99	63.6	51.1	76.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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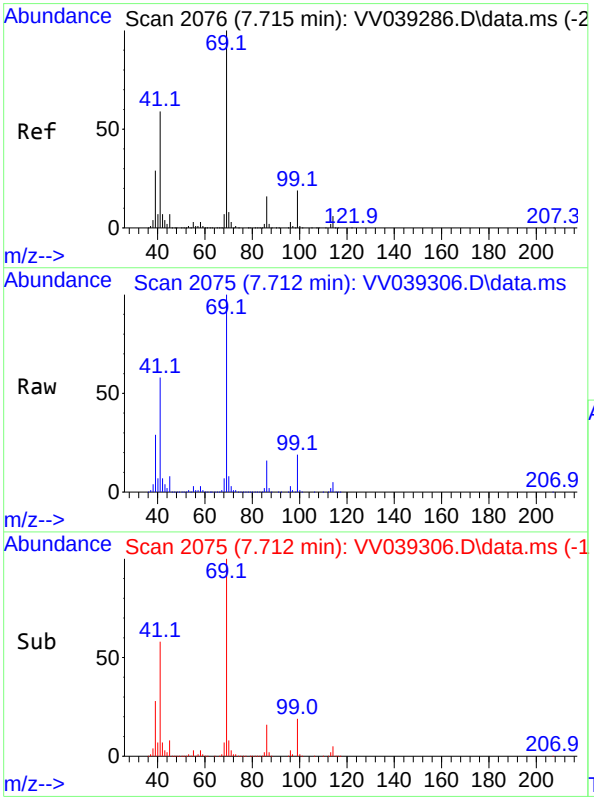
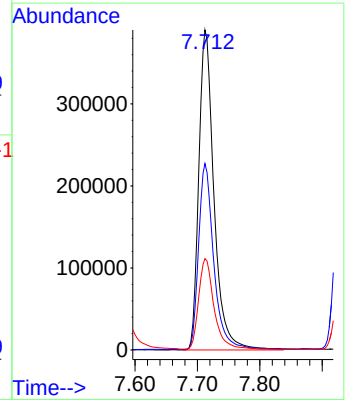
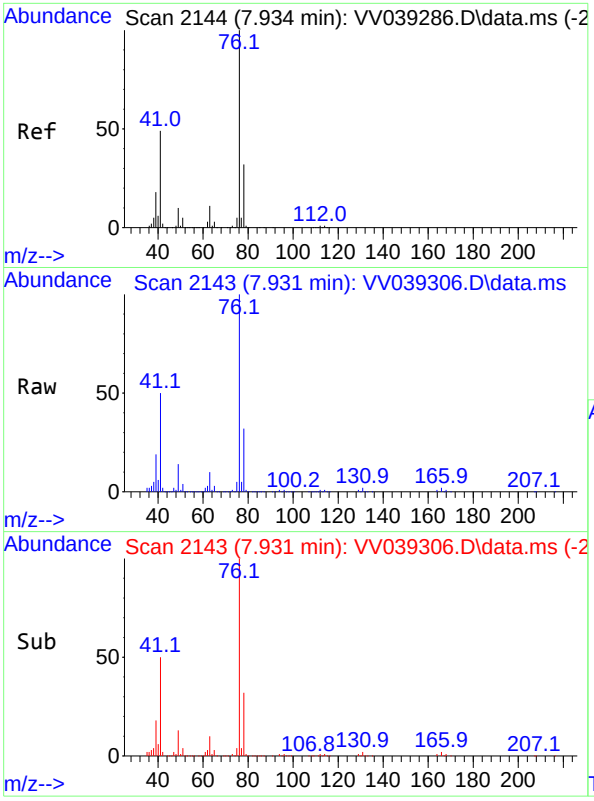


#56
Ethyl methacrylate
Concen: 65.633 ug/l
RT: 7.712 min Scan# 2075
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 69 Resp: 659731

Ion	Ratio	Lower	Upper
69	100		
41	58.1	47.1	70.7
39	28.6	23.2	34.8

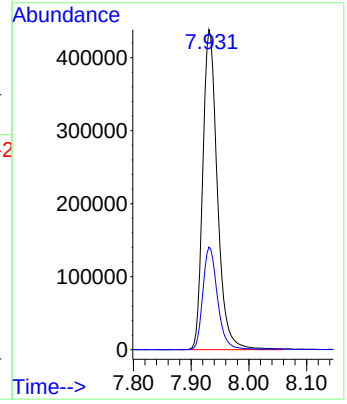




#57
1,3-Dichloropropane
Concen: 57.383 ug/l
RT: 7.931 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 76 Resp: 76827

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.6	38.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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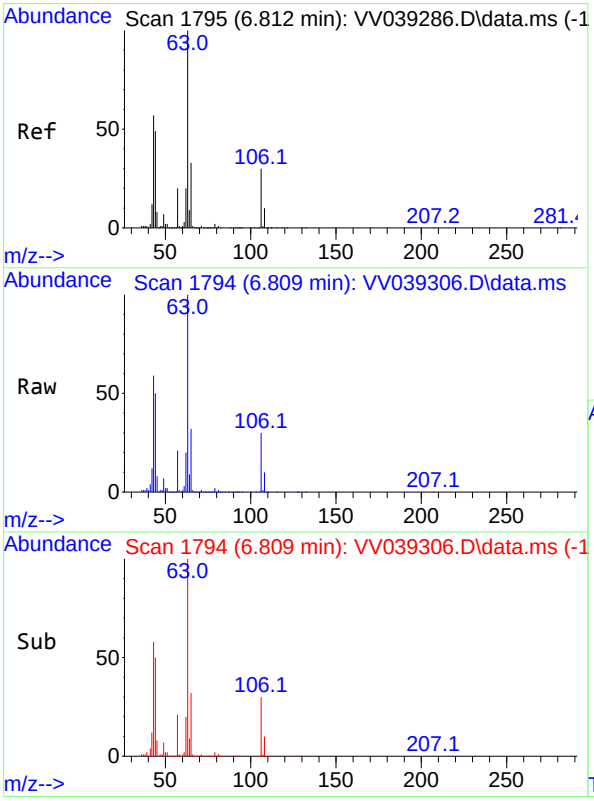
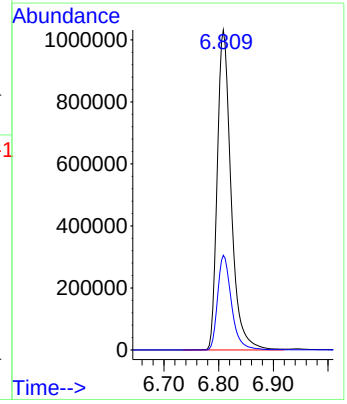
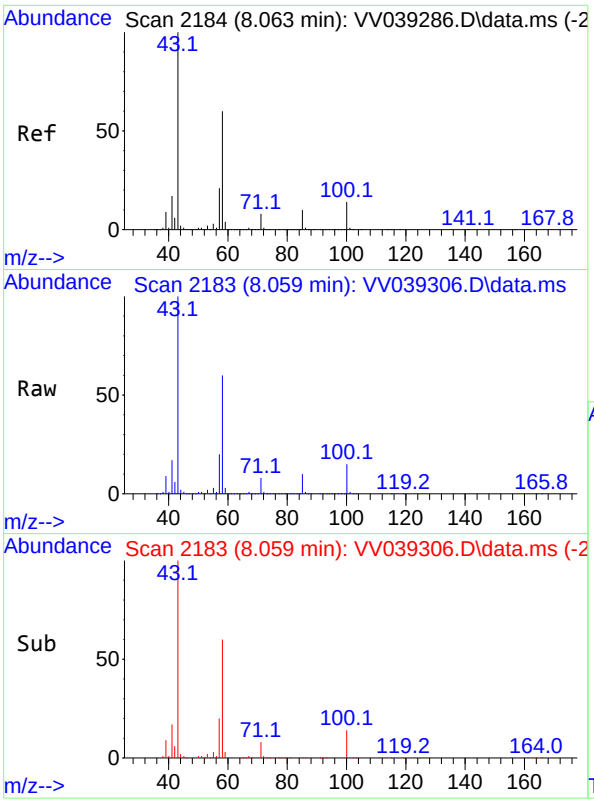


#58
2-Chloroethyl Vinyl ether
Concen: 295.215 ug/l
RT: 6.809 min Scan# 1794
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 63 Resp: 1805314

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.5	35.3

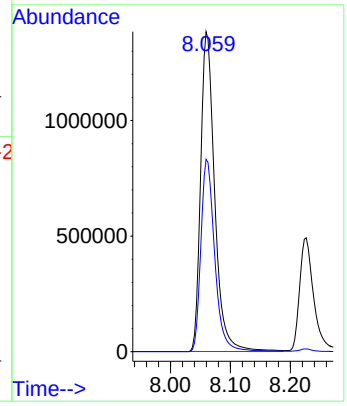




#59
2-Hexanone
Concen: 285.636 ug/l
RT: 8.059 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 43 Resp: 226135

Ion	Ratio	Lower	Upper
43	100		
58	59.2	29.6	88.9



Instrument :
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ClientSampleId :
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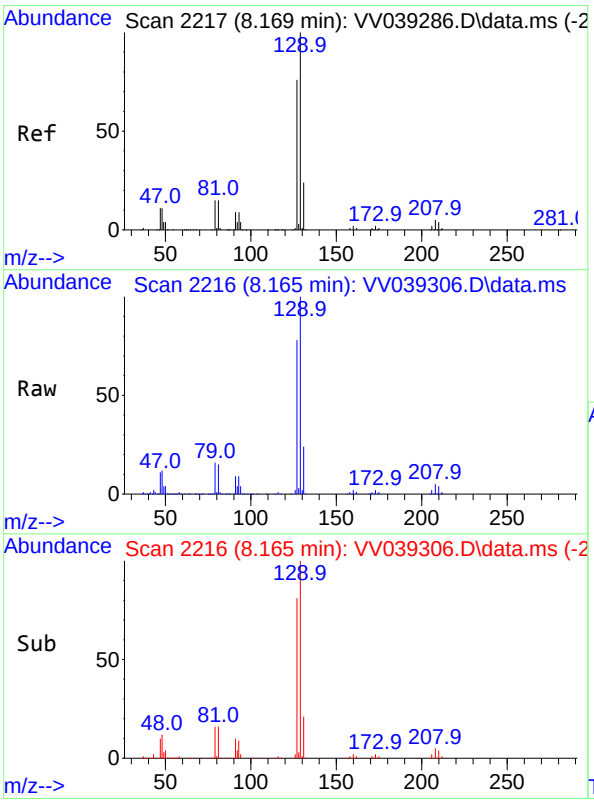
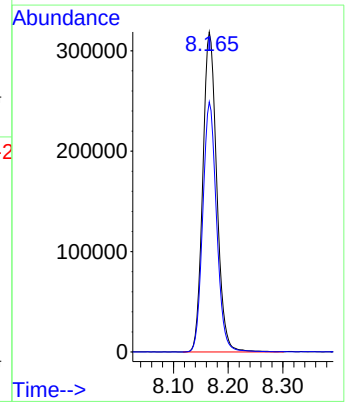
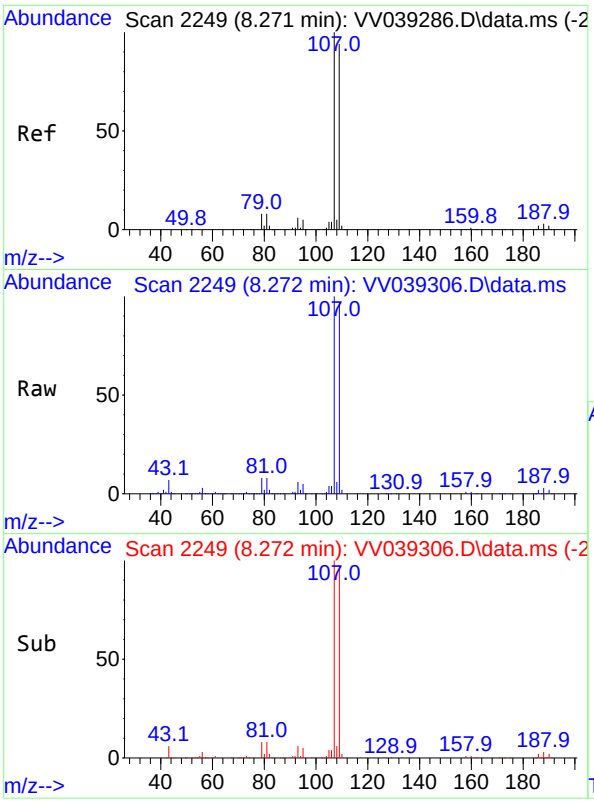


#60
Dibromochloromethane
Concen: 54.397 ug/l
RT: 8.165 min Scan# 2216
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:129 Resp: 564299

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.4	115.1

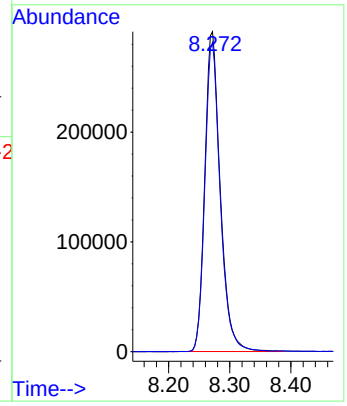




#61
1,2-Dibromoethane
Concen: 55.543 ug/l
RT: 8.272 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:107 Resp: 51312

Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.8	113.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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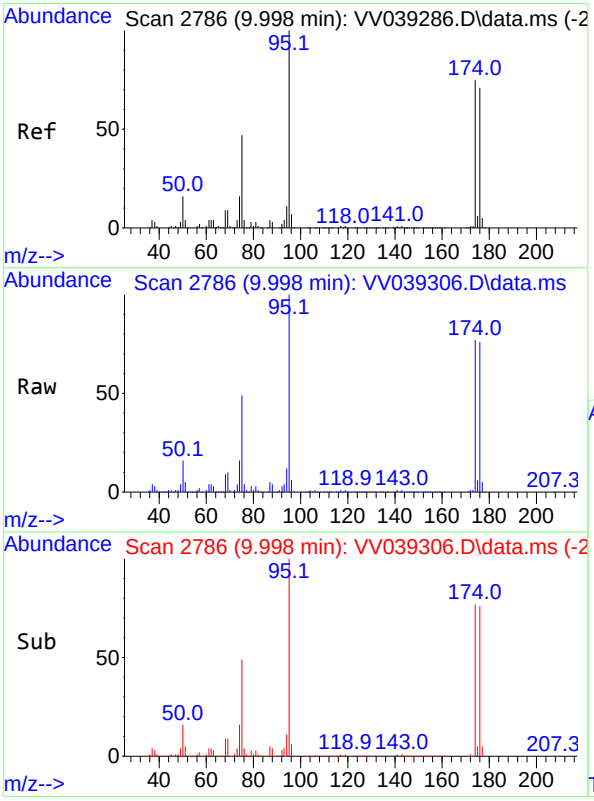
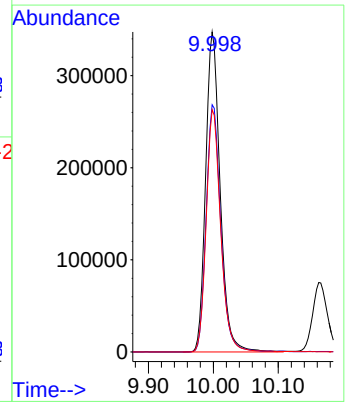
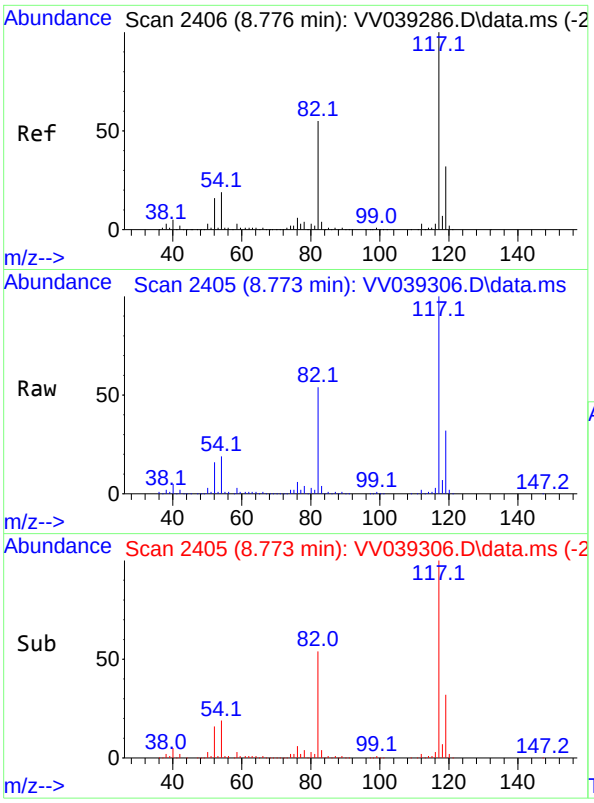


#62
4-Bromofluorobenzene
Concen: 55.299 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 95 Resp: 540972

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	153.6
176	75.6	0.0	146.0

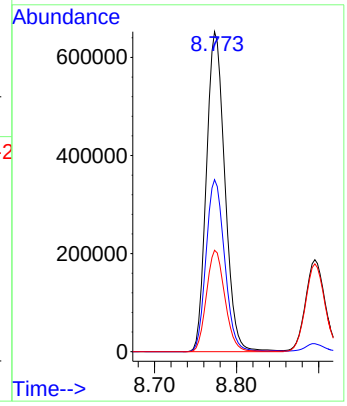




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:117 Resp: 102201

Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.8	65.8
119	31.7	25.8	38.6



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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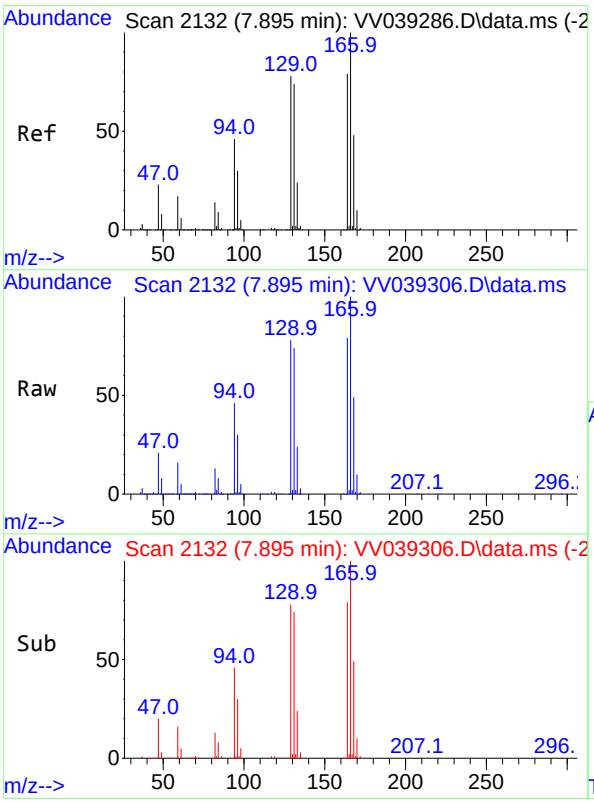
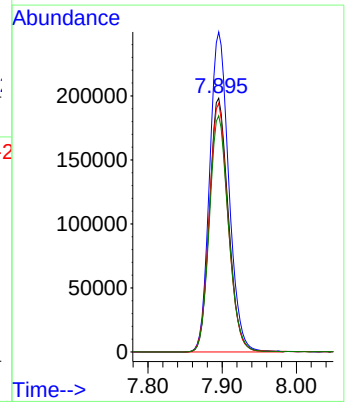
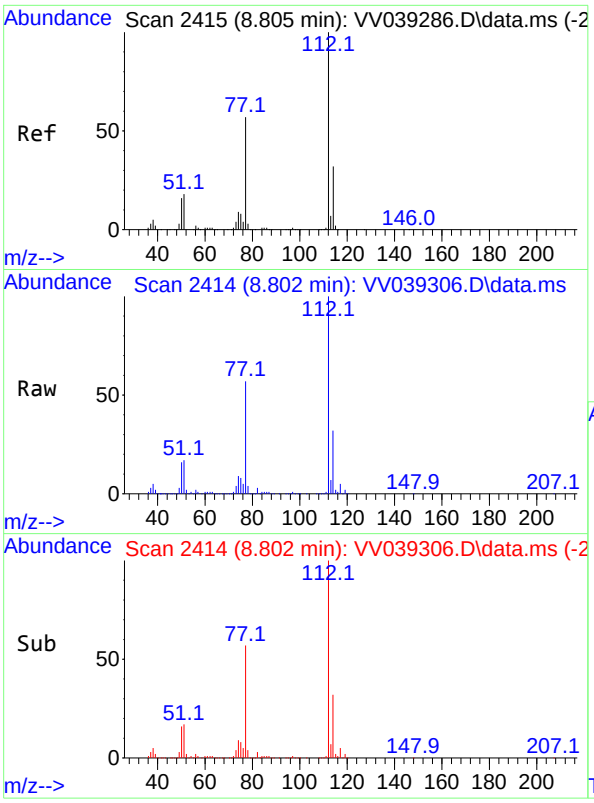


#64
Tetrachloroethene
Concen: 46.957 ug/l
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:164 Resp: 350075

Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.0	151.6
129	98.0	79.0	118.6
131	93.1	74.4	111.6

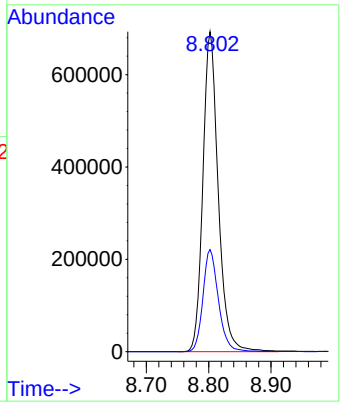




#65
Chlorobenzene
Concen: 48.993 ug/l
RT: 8.802 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:112 Resp: 118535

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.7	38.5



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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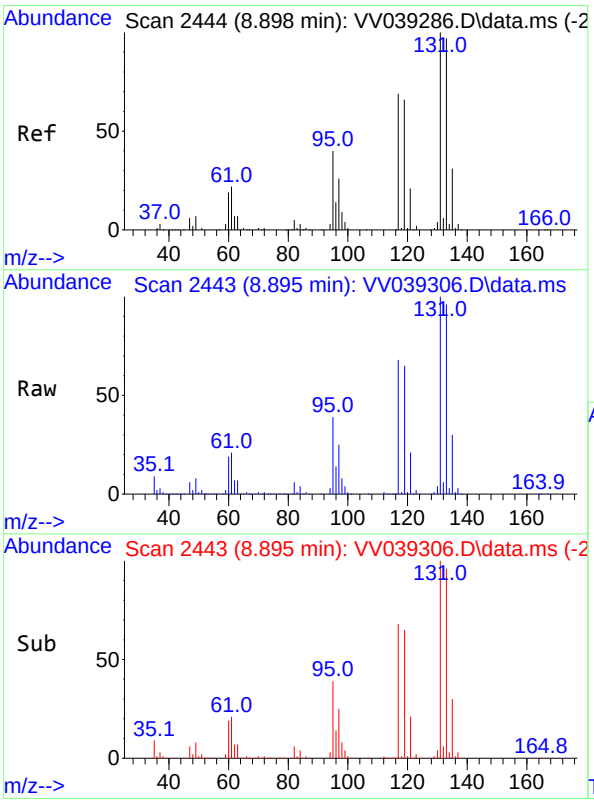
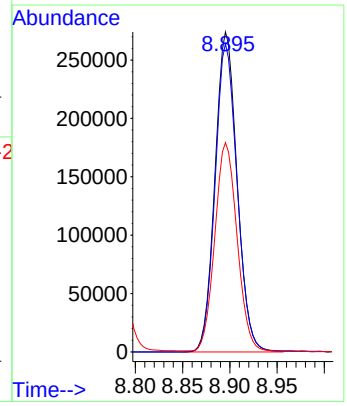
Supervised By :Mahesh Dadoda 11/05/2025

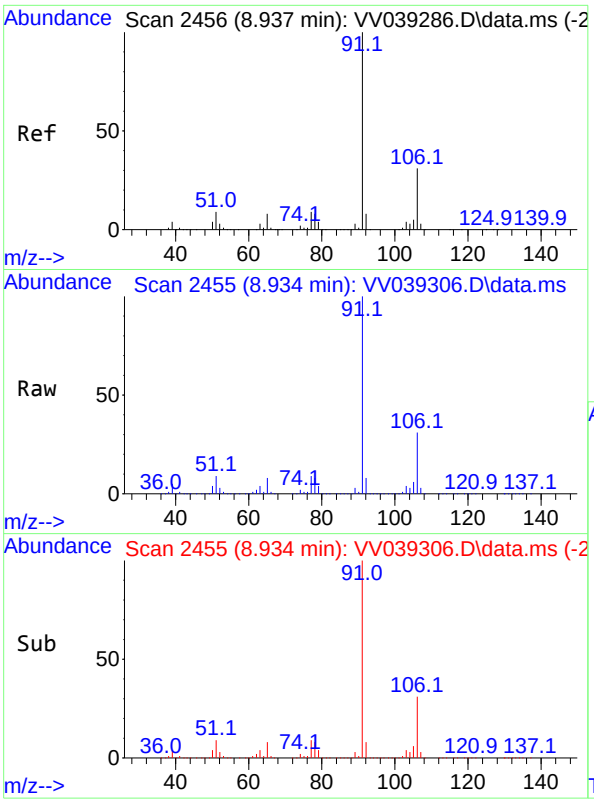


#66
1,1,1,2-Tetrachloroethane
Concen: 49.149 ug/l
RT: 8.895 min Scan# 2443
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:131 Resp: 445410

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.3
119	65.7	32.7	98.1





#67
Ethyl Benzene
Concen: 52.129 ug/l
RT: 8.934 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 91 Resp: 185782

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.6	37.0

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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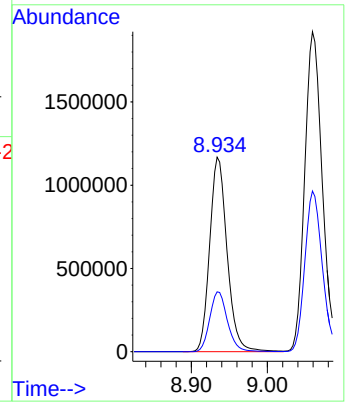
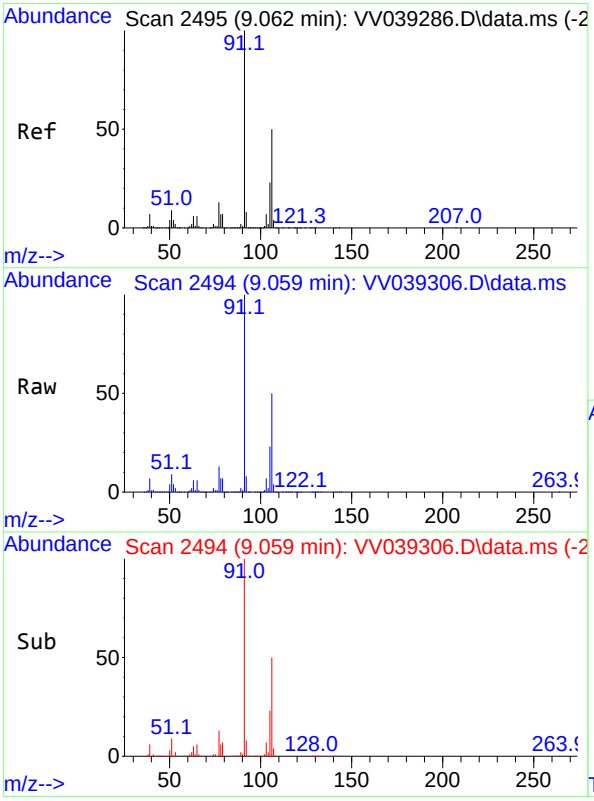
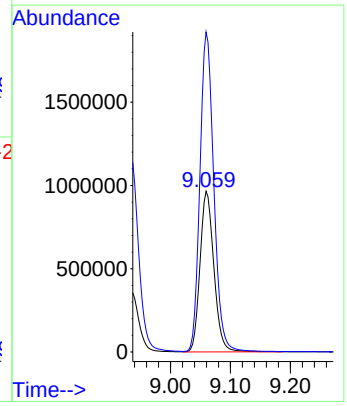


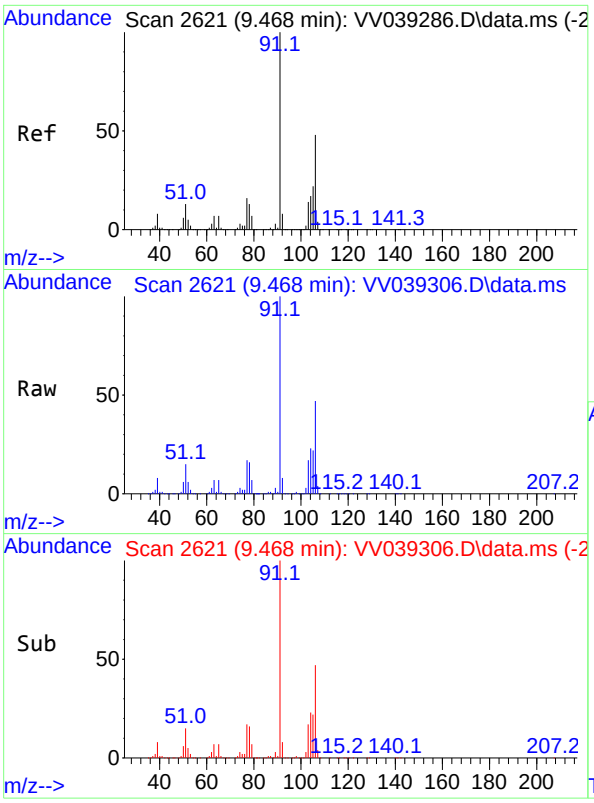


#68
m/p-Xylenes
Concen: 109.762 ug/l
RT: 9.059 min Scan# 2494
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:106 Resp: 1551500

Ion	Ratio	Lower	Upper
106	100		
91	199.4	160.2	240.2

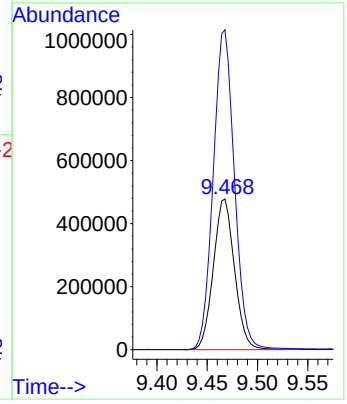




#69
o-Xylene
Concen: 56.059 ug/l
RT: 9.468 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:106 Resp: 69977

Ion	Ratio	Lower	Upper
106	100		
91	213.6	105.8	317.3



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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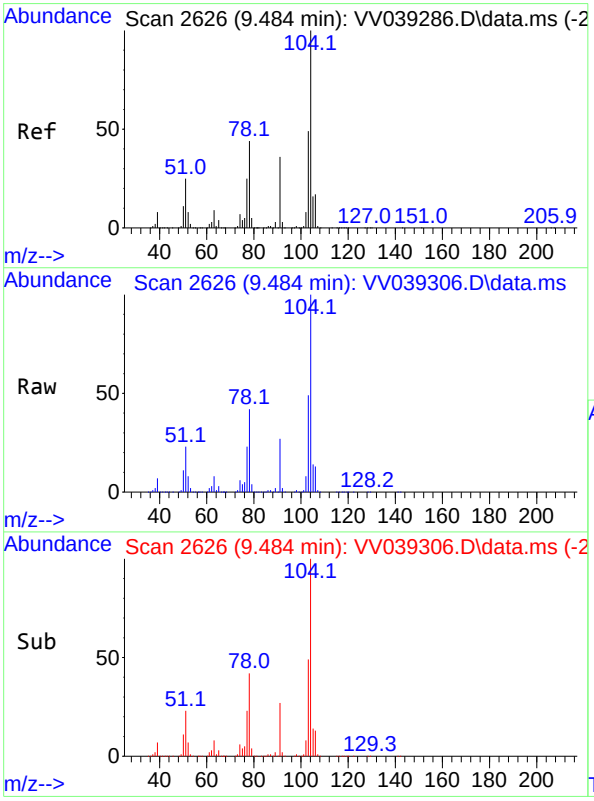
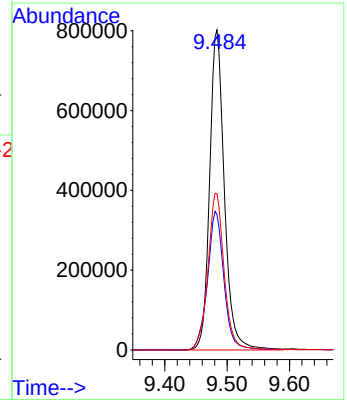
Supervised By :Mahesh Dadoda 11/05/2025

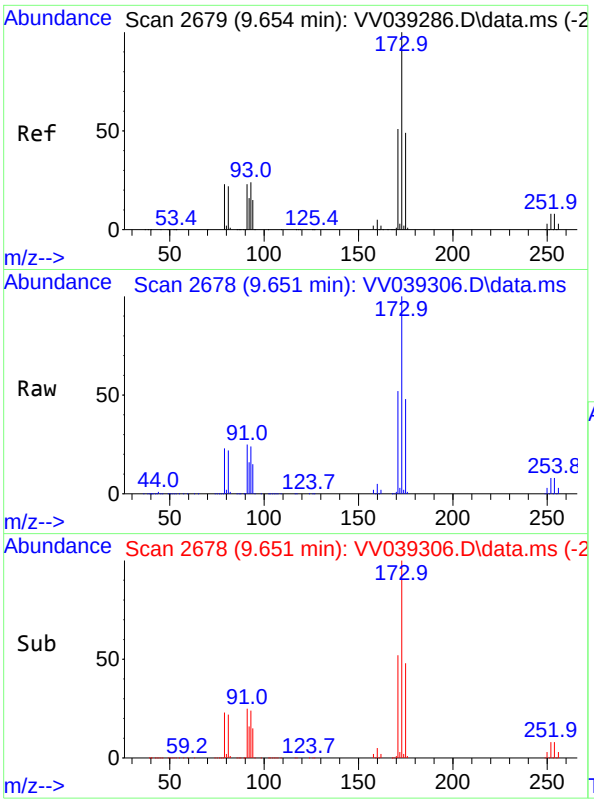


#70
Styrene
Concen: 59.415 ug/l
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:104 Resp: 1319658

Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.9	58.3
103	53.8	42.9	64.3

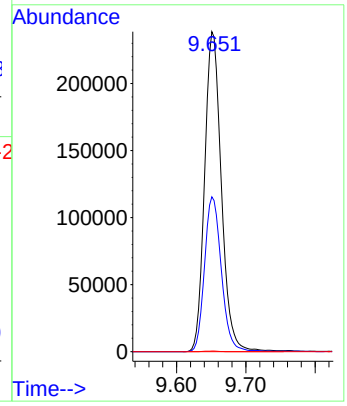




#71
Bromoform
Concen: 54.721 ug/l
RT: 9.651 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:173 Resp: 40104

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.1	0.2	0.2



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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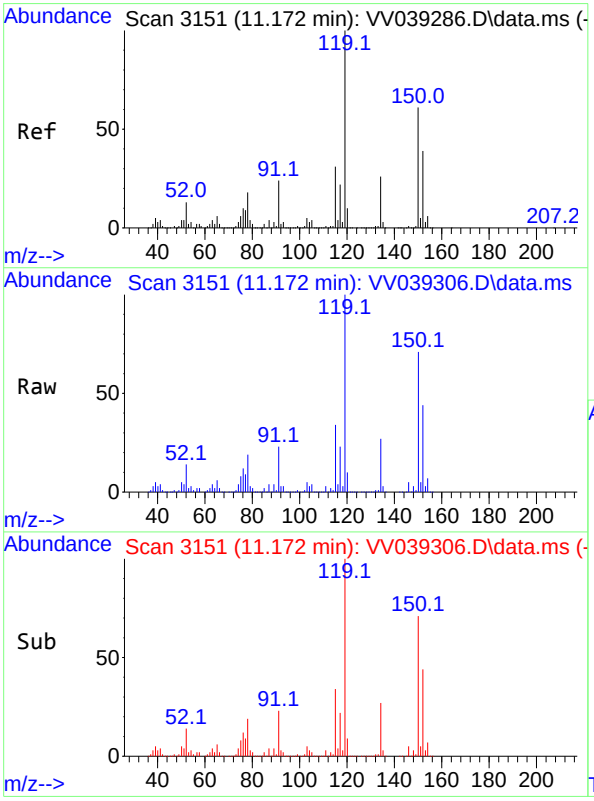
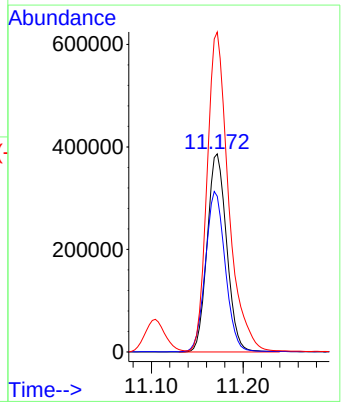
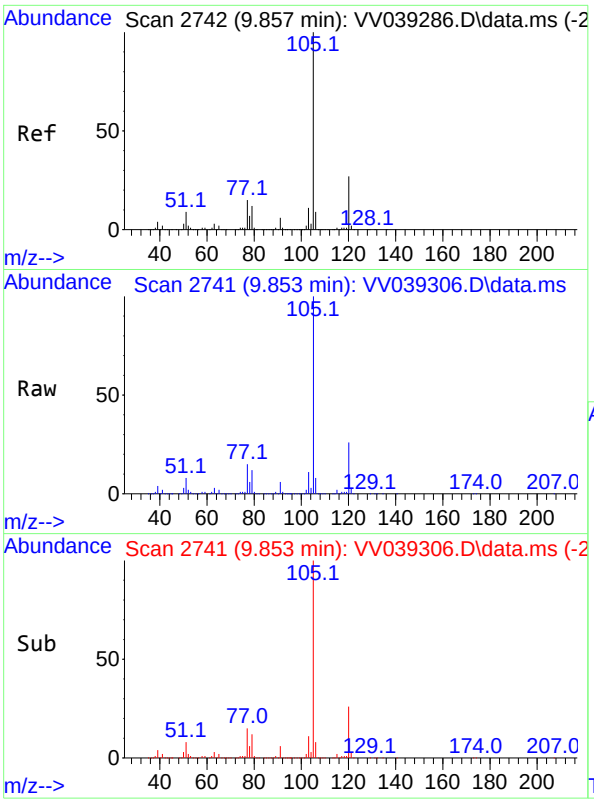


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:152 Resp: 572200

Ion	Ratio	Lower	Upper
152	100		
115	82.2	42.3	126.8
150	177.2	0.0	348.0

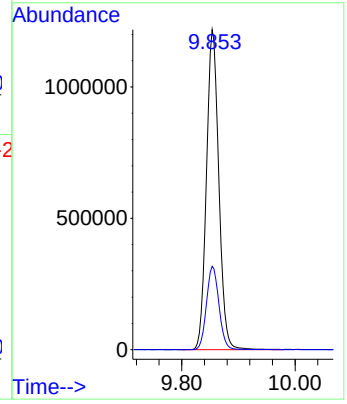




#73
Isopropylbenzene
Concen: 52.993 ug/l
RT: 9.853 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:105 Resp: 184132

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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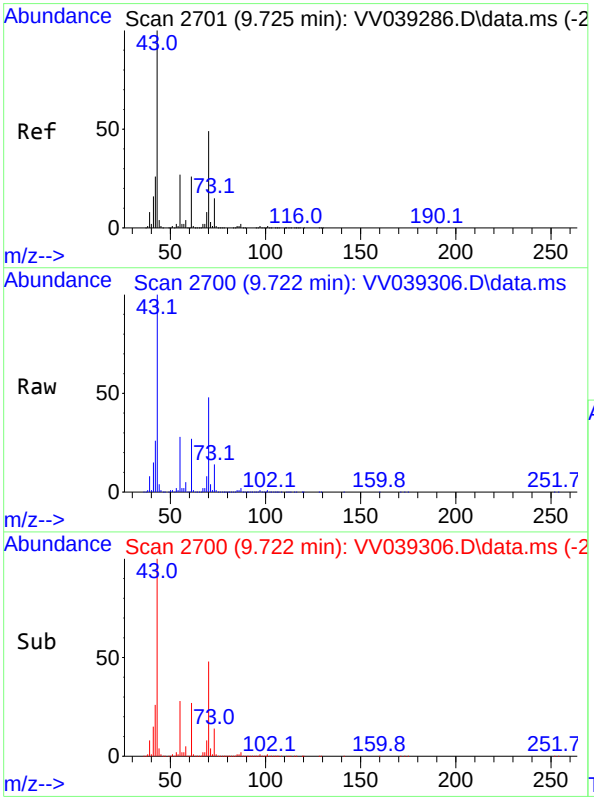
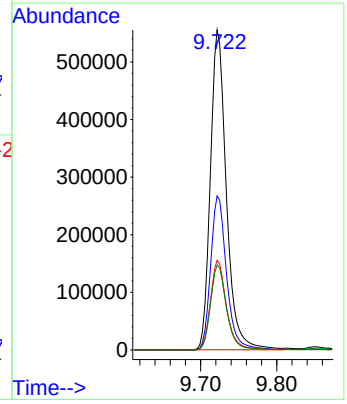
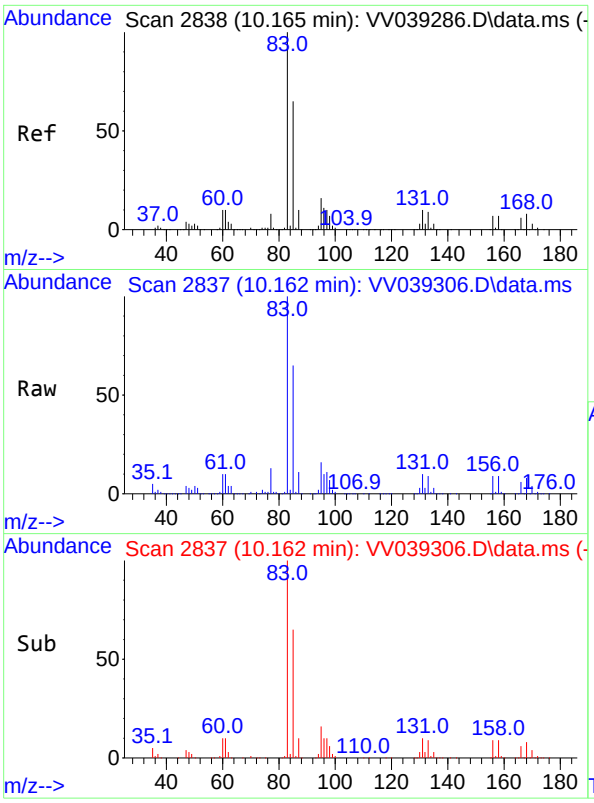


#74
N-amyl acetate
Concen: 56.636 ug/l
RT: 9.722 min Scan# 2700
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 43 Resp: 810885

Ion	Ratio	Lower	Upper
43	100		
70	48.0	38.6	58.0
55	28.1	21.9	32.9
61	26.4	21.0	31.4

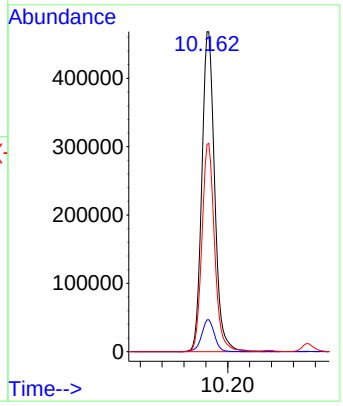




#75
1,1,2,2-Tetrachloroethane
Concen: 47.616 ug/l
RT: 10.162 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 83 Resp: 75980

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.4	32.4	97.2



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

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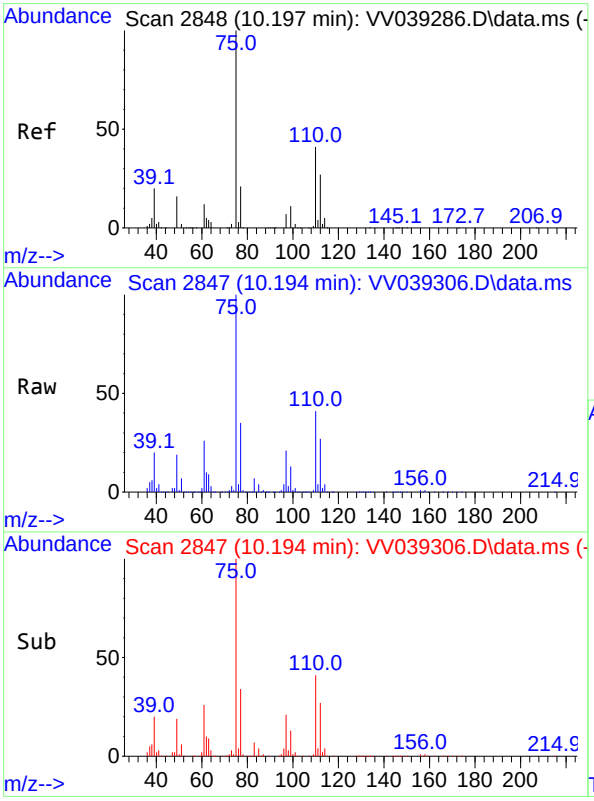
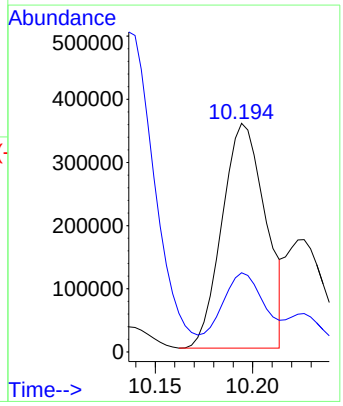
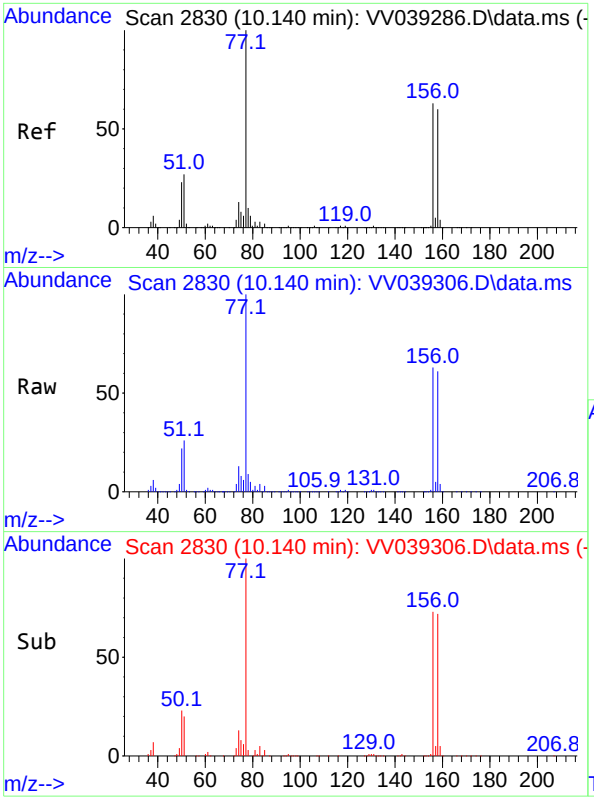


#76
1,2,3-Trichloropropane
Concen: 48.325 ug/l
RT: 10.194 min Scan# 2847
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 75 Resp: 551899

Ion	Ratio	Lower	Upper
75	100		
77	23.8	12.2	36.4





#77
Bromobenzene
Concen: 52.955 ug/l
RT: 10.140 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:156 Resp: 50582

Ion	Ratio	Lower	Upper
156	100		
77	157.3	78.4	235.2
158	97.2	47.7	143.1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
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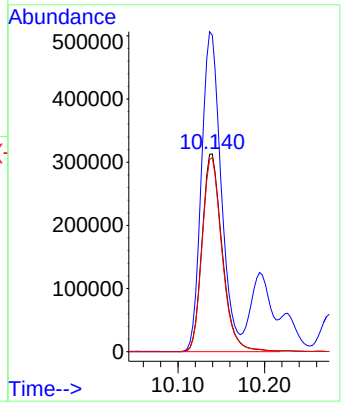
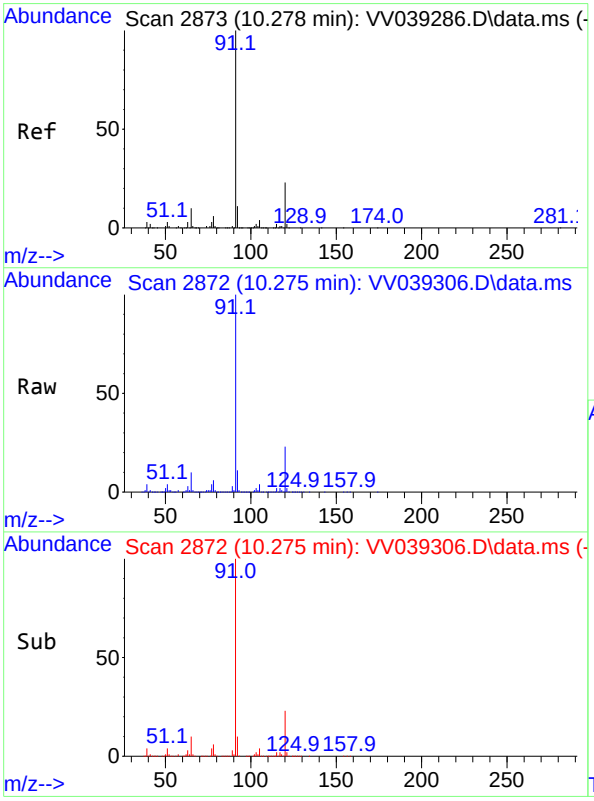
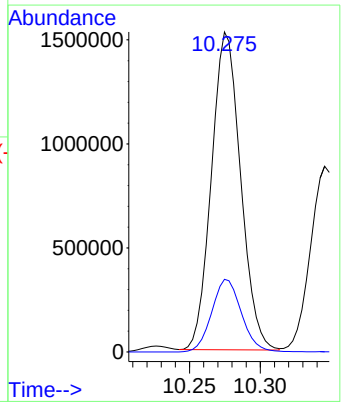


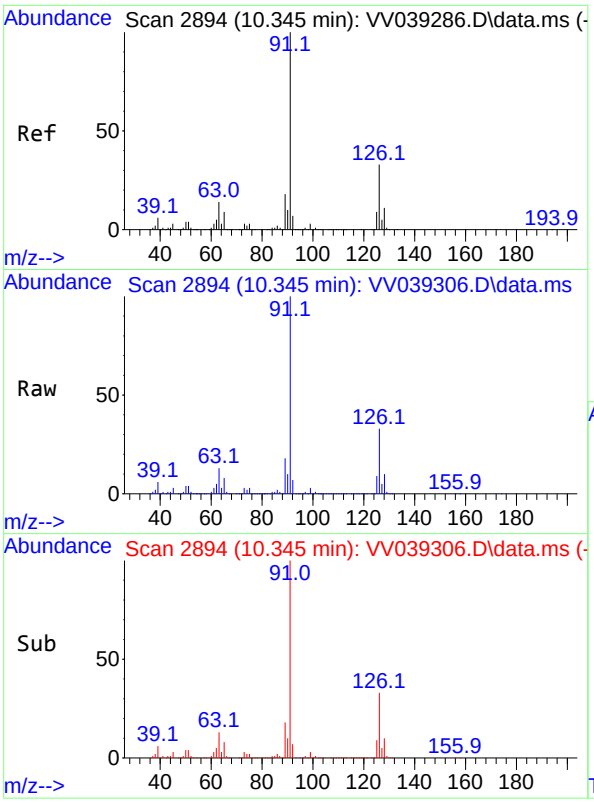


#78
n-propylbenzene
Concen: 51.927 ug/l
RT: 10.275 min Scan# 2872
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 91 Resp: 2189294

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





#79
2-Chlorotoluene
Concen: 52.616 ug/l
RT: 10.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 91 Resp: 136961

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 11/05/2025
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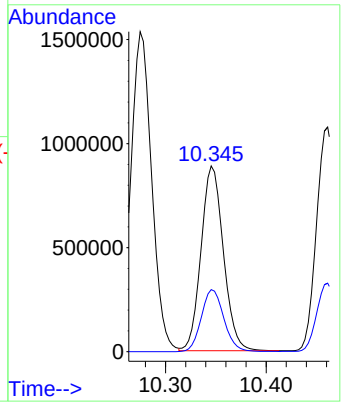
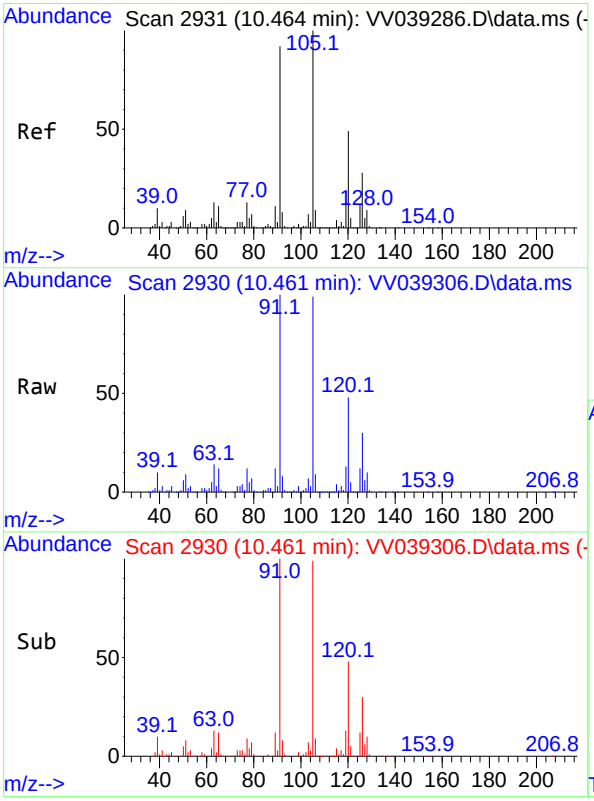
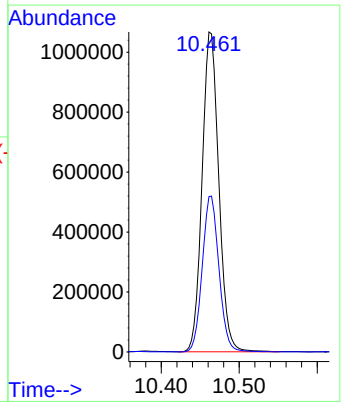


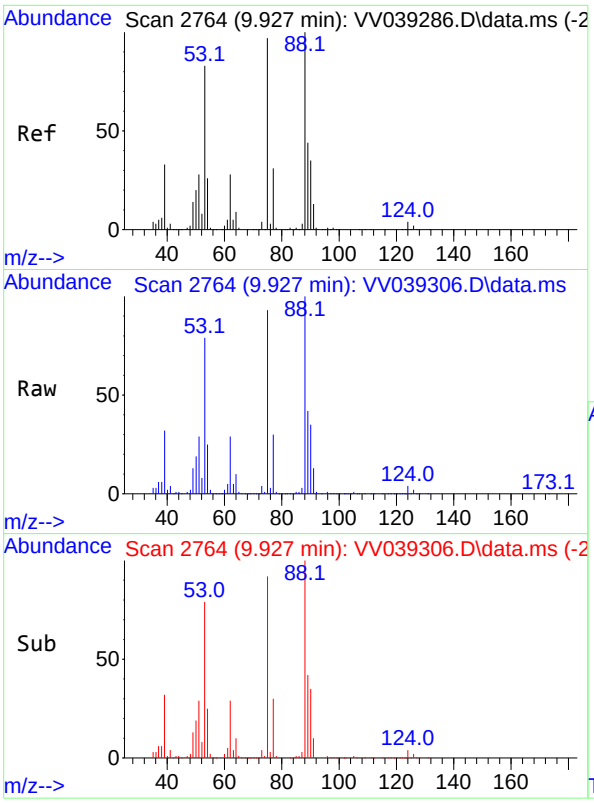


#80
1,3,5-Trimethylbenzene
Concen: 54.548 ug/l
RT: 10.461 min Scan# 2930
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:105 Resp: 1589645

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 56.209 ug/l
RT: 9.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 75 Resp: 25418

Ion	Ratio	Lower	Upper
75	100		
53	87.0	69.9	104.9
89	46.1	37.4	56.0

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
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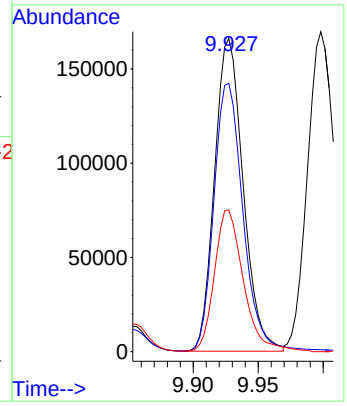
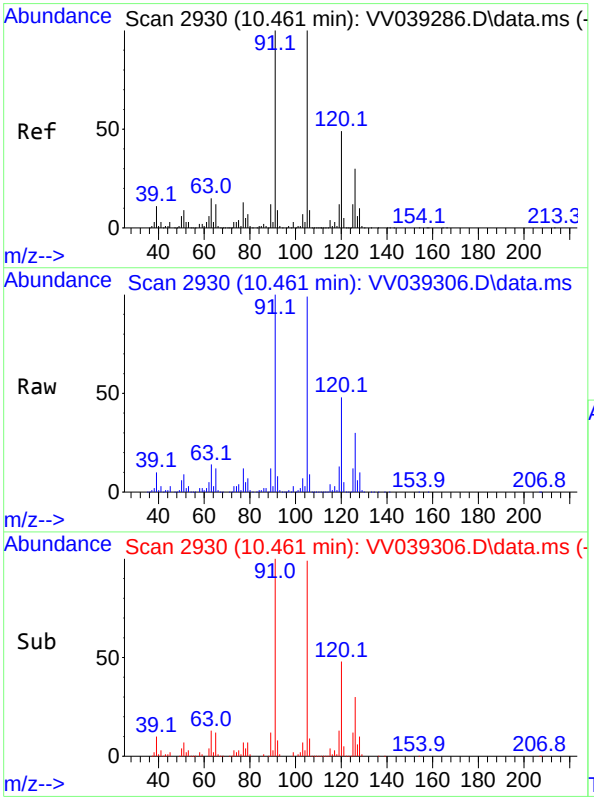
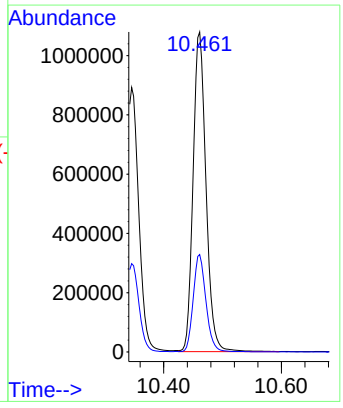


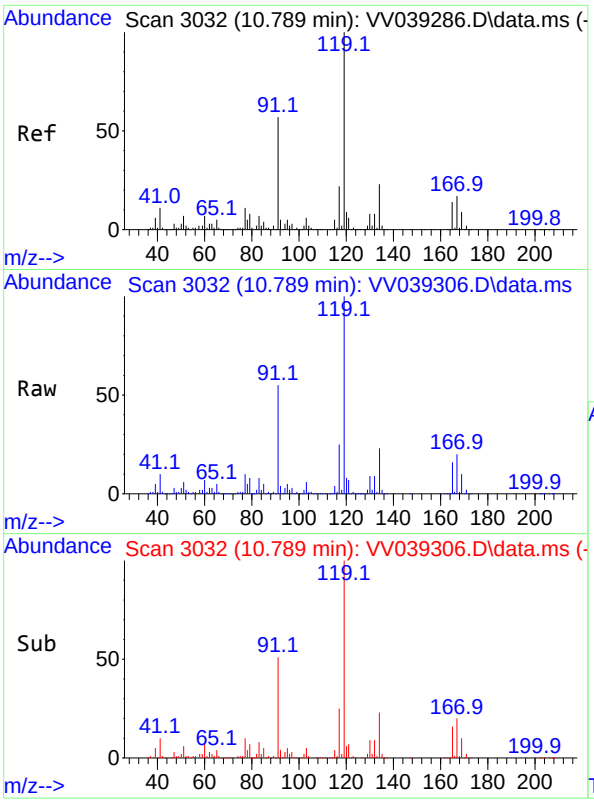


#82
4-Chlorotoluene
Concen: 54.705 ug/l
RT: 10.461 min Scan# 2930
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 91 Resp: 1636764

Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.8	44.4

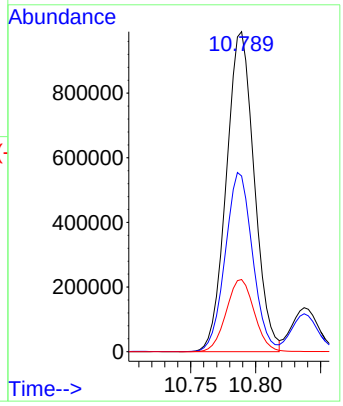




#83
tert-Butylbenzene
Concen: 51.126 ug/l
RT: 10.789 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:119 Resp: 147942

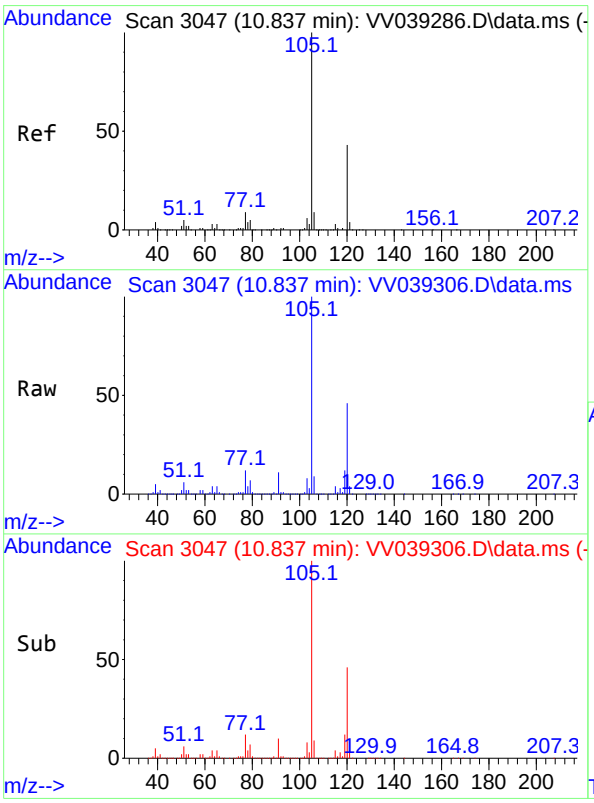
Ion	Ratio	Lower	Upper
119	100		
91	54.9	28.2	84.7
134	22.7	11.5	34.4



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

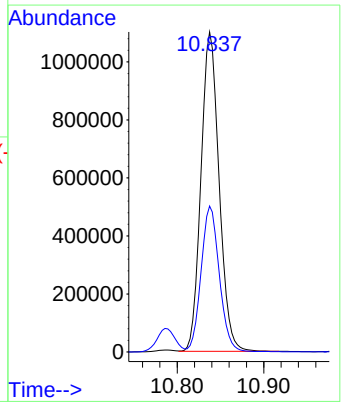
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

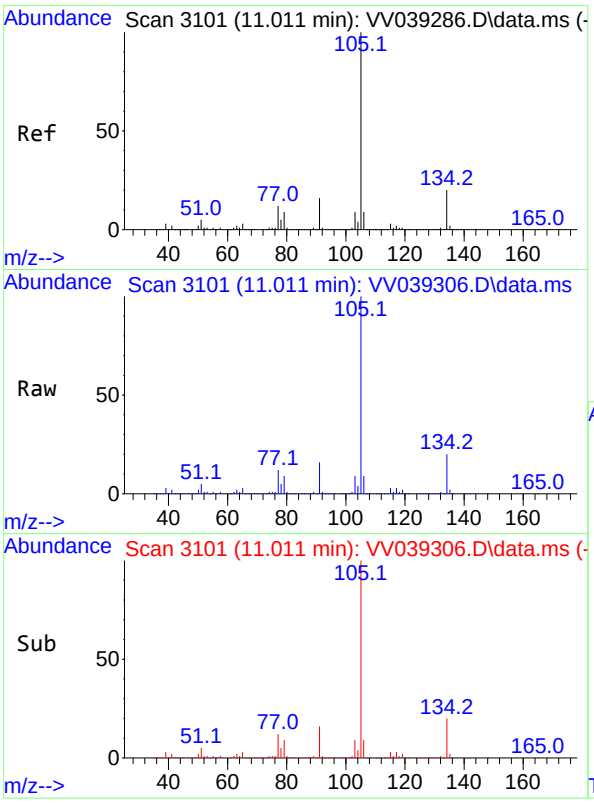


#84
1,2,4-Trimethylbenzene
Concen: 55.752 ug/l
RT: 10.837 min Scan# 3047
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:105 Resp: 1599433

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.8	68.4

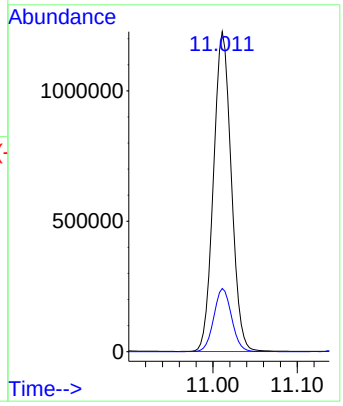




#85
sec-Butylbenzene
Concen: 49.001 ug/l
RT: 11.011 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:105 Resp: 179278

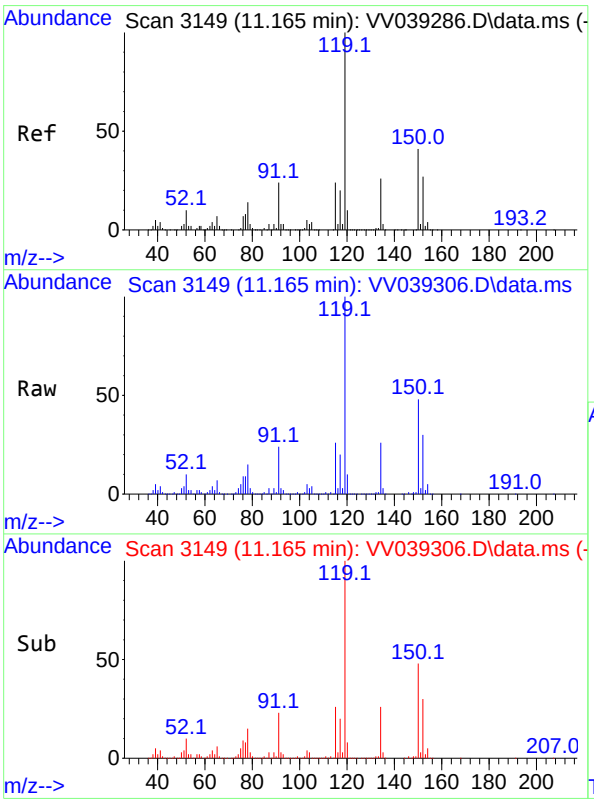
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

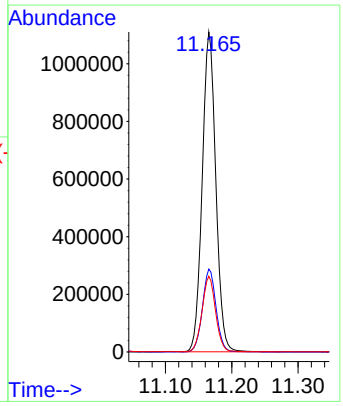
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

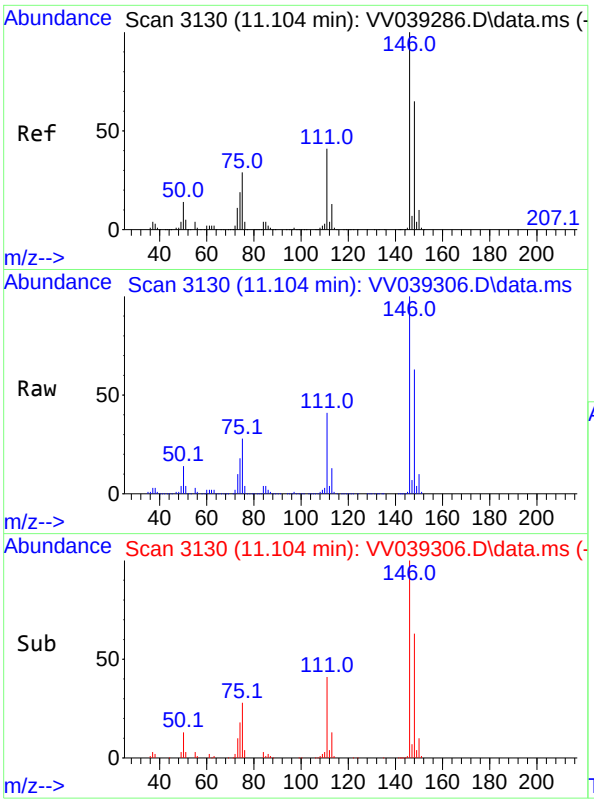


#86
p-Isopropyltoluene
Concen: 50.123 ug/l
RT: 11.165 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:119 Resp: 1576710

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.6
91	23.5	12.2	36.4

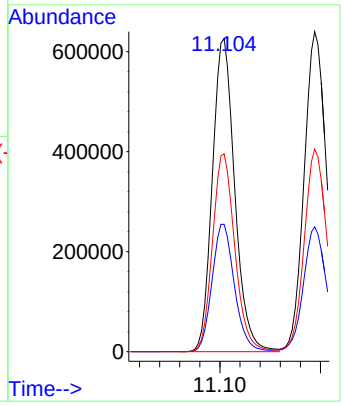




#87
1,3-Dichlorobenzene
Concen: 50.845 ug/l
RT: 11.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:146 Resp: 96870

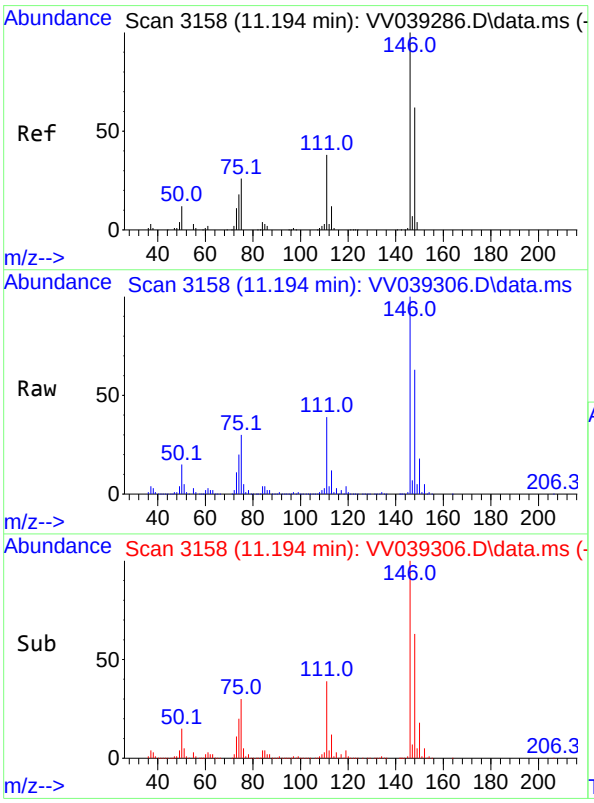
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	63.1	31.9	95.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

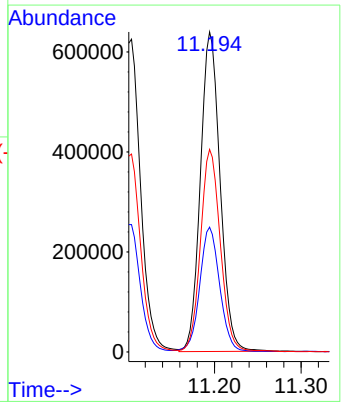
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

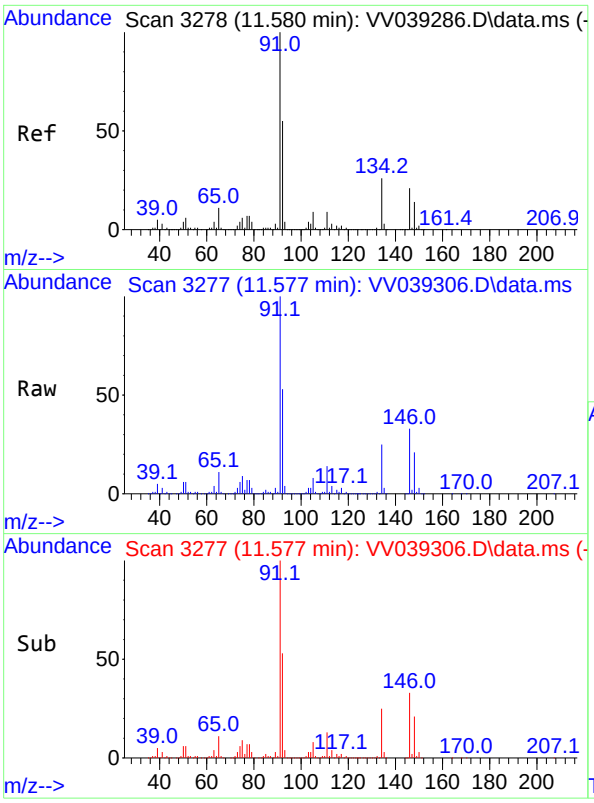


#88
1,4-Dichlorobenzene
Concen: 47.188 ug/l
RT: 11.194 min Scan# 3158
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:146 Resp: 1006165

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.1	31.5	94.5

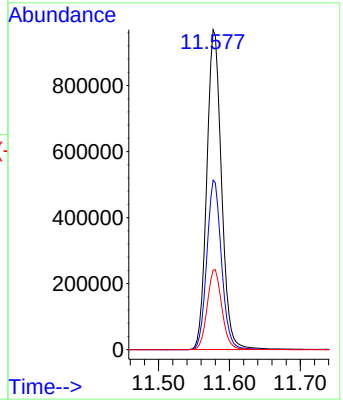




#89
n-Butylbenzene
Concen: 47.584 ug/l
RT: 11.577 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 91 Resp: 139393

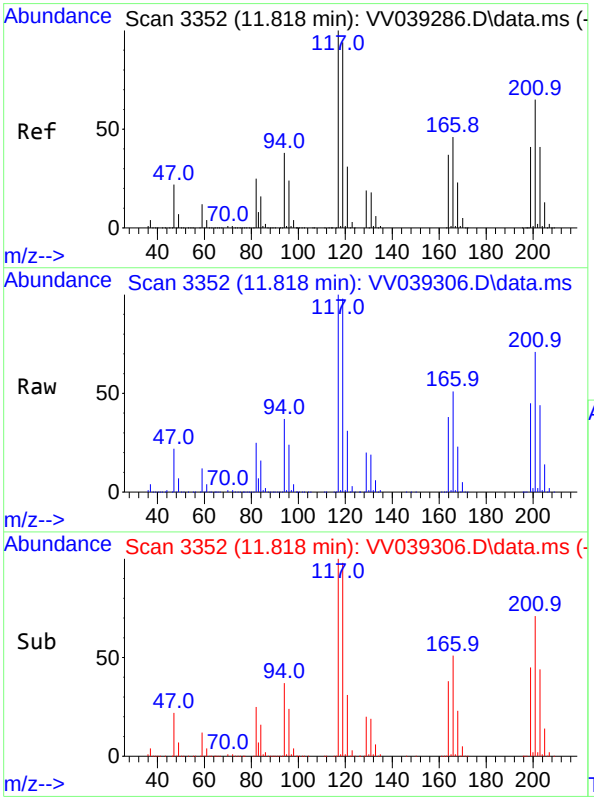
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.6
134	25.0	12.6	37.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

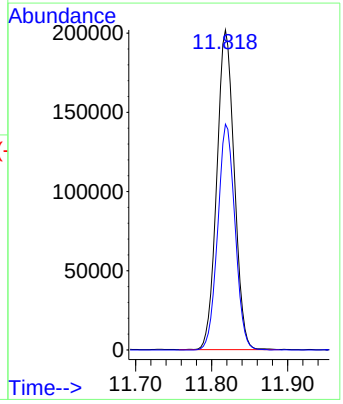
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

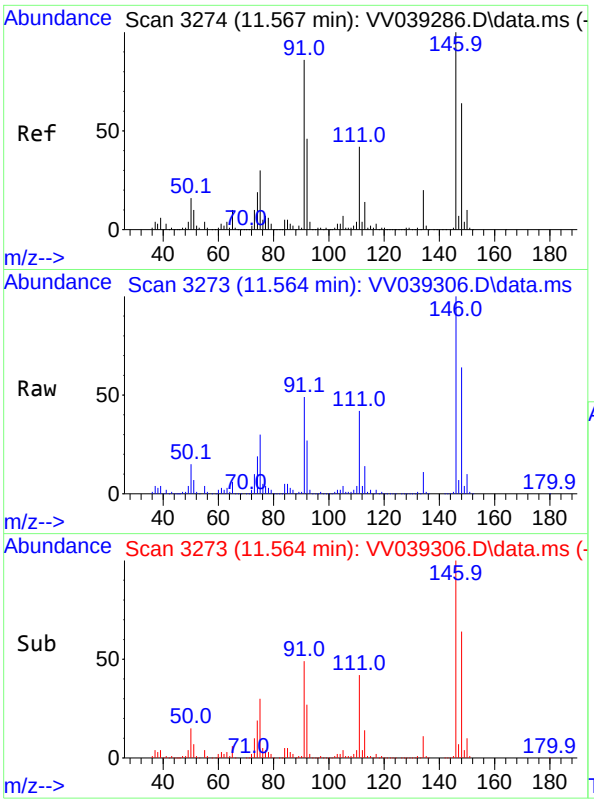


#90
Hexachloroethane
Concen: 41.426 ug/l
RT: 11.818 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:117 Resp: 322222

Ion	Ratio	Lower	Upper
117	100		
201	69.8	33.7	101.1

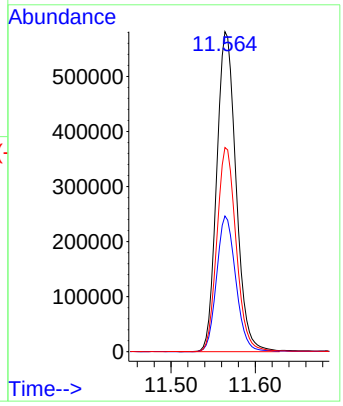




#91
1,2-Dichlorobenzene
Concen: 50.915 ug/l
RT: 11.564 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:146 Resp: 92276

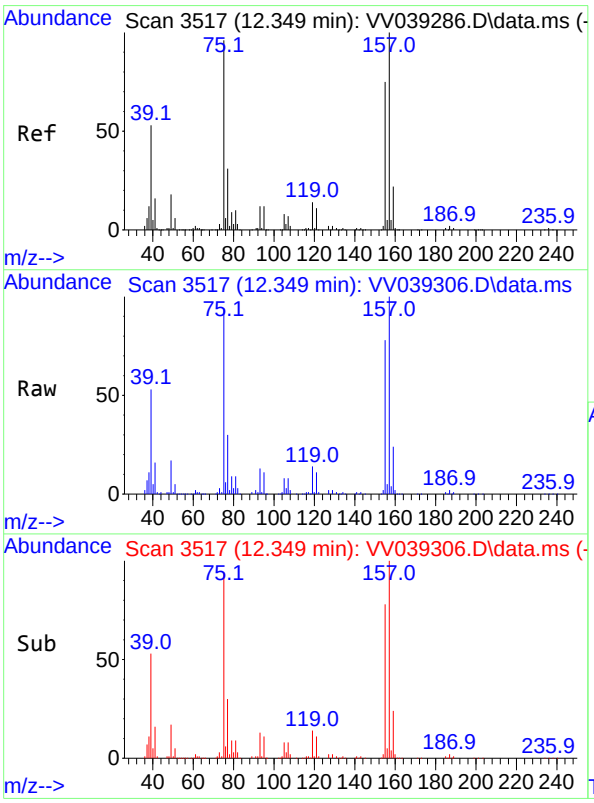
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	64.0
148	63.8	31.9	95.7



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

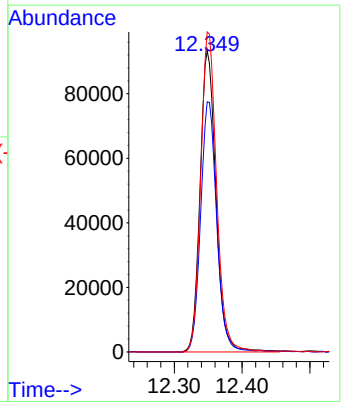
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

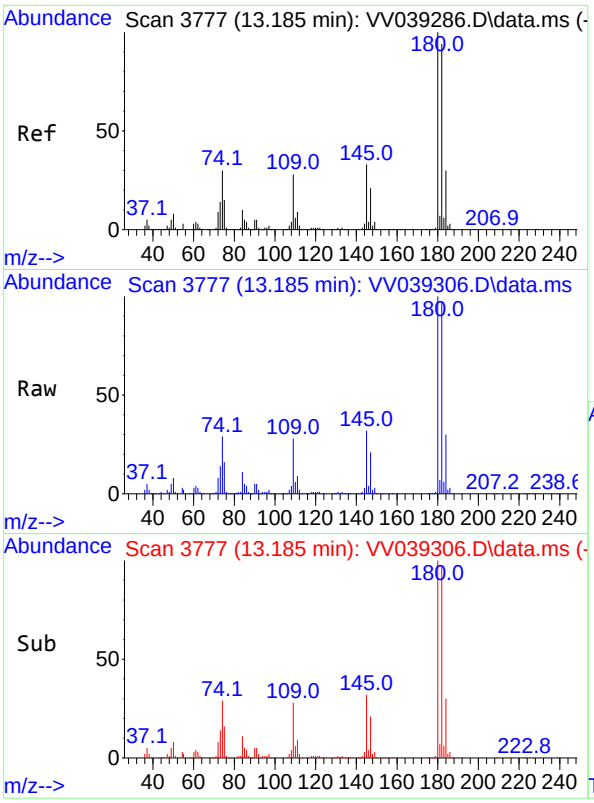


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.325 ug/l
RT: 12.349 min Scan# 3517
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion: 75 Resp: 151995

Ion	Ratio	Lower	Upper
75	100		
155	83.7	40.8	122.5
157	105.8	53.3	160.0

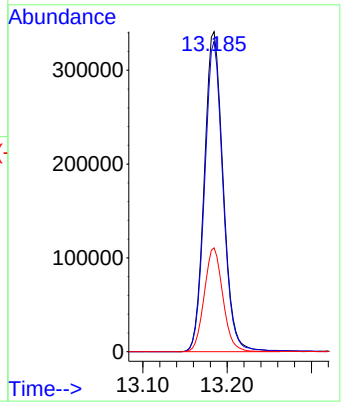




#93
1,2,4-Trichlorobenzene
Concen: 52.589 ug/l
RT: 13.185 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:180 Resp: 53156

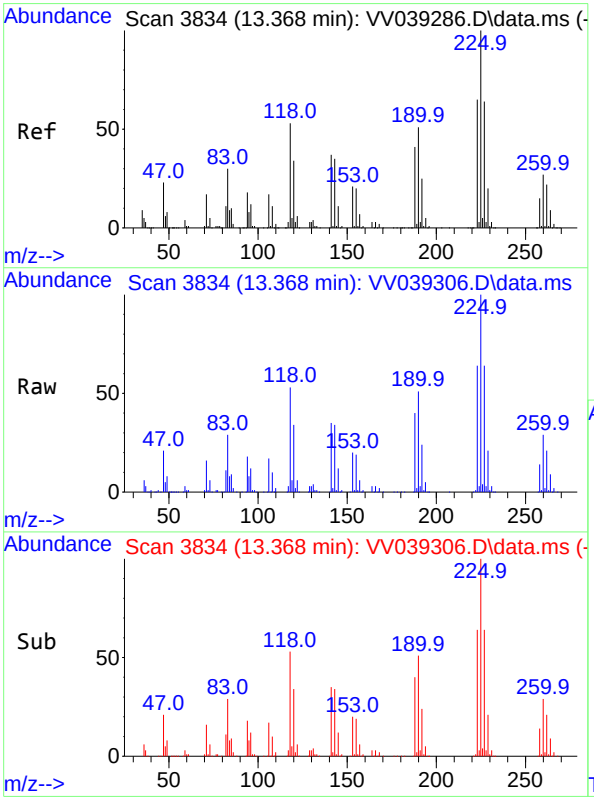
Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.9
145	32.1	16.3	48.9



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

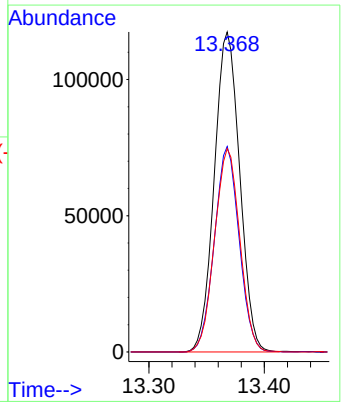
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

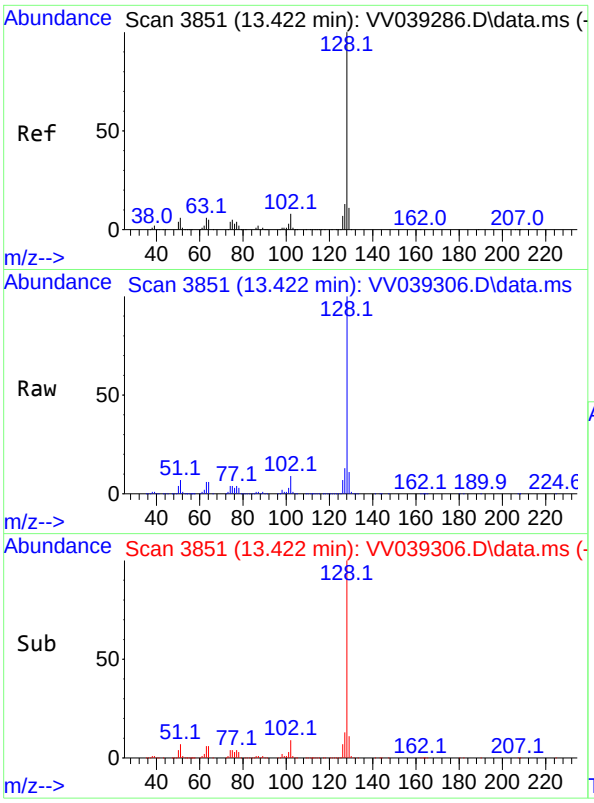


#94
Hexachlorobutadiene
Concen: 35.087 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:225 Resp: 179585

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	63.1	31.7	95.1

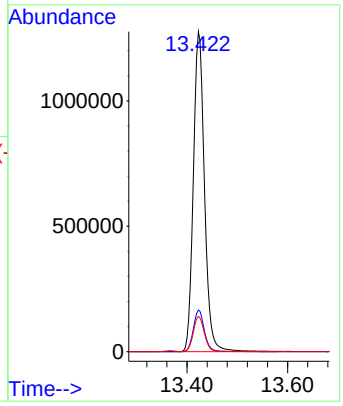




#95
Naphthalene
Concen: 59.064 ug/l
RT: 13.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:128 Resp: 195602

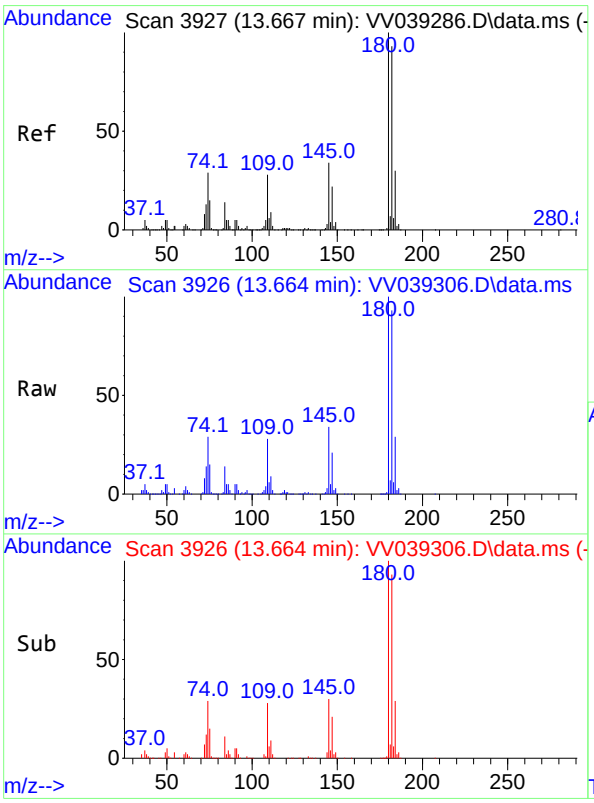
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	12.8



Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

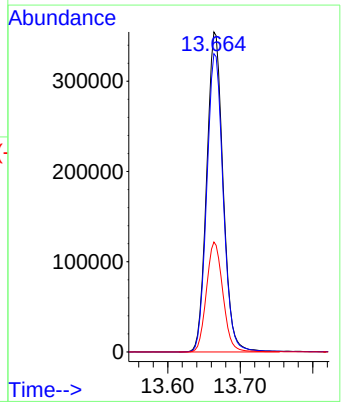
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.198 ug/l
RT: 13.664 min Scan# 3926
Delta R.T. -0.003 min
Lab File: VV039306.D
Acq: 04 Nov 2025 11:21

Tgt Ion:180 Resp: 558871

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.7	140.1
145	34.4	17.2	51.5



Evaluate Continuing Calibration Report

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	86	0.00
2	T	Dichlorodifluoromethane	0.632	0.498	21.2#	72	0.00
3	P	Chloromethane	0.658	0.594	9.7	87	0.00
4	C	Vinyl Chloride	0.751	0.624	16.9#	81	0.00
5	T	Bromomethane	0.487	0.490	-0.6	100	0.00
6	T	Chloroethane	0.507	0.437	13.8	90	0.00
7	T	Trichlorofluoromethane	1.147	0.984	14.2	85	0.00
8	T	Diethyl Ether	0.414	0.441	-6.5	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.687	0.591	14.0	85	0.00
10	T	Methyl Iodide	0.592	0.789	-33.3#	107	0.00
11	T	Tert butyl alcohol	0.138	0.095	31.2#	68	0.00
12	CM	1,1-Dichloroethene	0.674	0.567	15.9#	86	0.00
13	T	Acrolein	0.090	0.187	-107.8#	214#	0.00
14	T	Allyl chloride	1.069	0.979	8.4	91	0.00
15	T	Acrylonitrile	0.408	0.401	1.7	100	0.00
16	T	Acetone	0.404	0.369	8.7	93	0.00
17	T	Carbon Disulfide	1.904	1.632	14.3	88	0.00
18	T	Methyl Acetate	0.921	0.845	8.3	88	0.00
19	T	Methyl tert-butyl Ether	2.029	2.267	-11.7	108	0.00
20	T	Methylene Chloride	0.788	0.762	3.3	105	0.00
21	T	trans-1,2-Dichloroethene	0.710	0.645	9.2	94	0.00
22	T	Diisopropyl ether	1.919	2.160	-12.6	104	0.00
23	T	Vinyl Acetate	1.685	1.938	-15.0	107	0.00
24	P	1,1-Dichloroethane	1.286	1.215	5.5	96	0.00
25	T	2-Butanone	0.434	0.460	-6.0	93	0.00
26	T	2,2-Dichloropropane	1.035	0.927	10.4	87	0.00
27	T	cis-1,2-Dichloroethene	0.711	0.763	-7.3	100	0.00
28	T	Bromochloromethane	0.548	0.607	-10.8	107	0.00
29	T	Tetrahydrofuran	0.278	0.290	-4.3	93	0.00
30	C	Chloroform	1.311	1.296	1.1#	100	0.00
31	T	Cyclohexane	0.936	0.854	8.8	84	0.00
32	T	1,1,1-Trichloroethane	1.146	1.034	9.8	89	0.00
33	S	1,2-Dichloroethane-d4	0.710	0.797	-12.3	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35	S	Dibromofluoromethane	0.394	0.423	-7.4	101	0.00
36	T	1,1-Dichloropropene	0.495	0.451	8.9	86	0.00
37	T	Ethyl Acetate	0.579	0.578	0.2	100	0.00
38	T	Carbon Tetrachloride	0.603	0.558	7.5	90	0.00
39	T	Methylcyclohexane	0.566	0.515	9.0	79	0.00
40	TM	Benzene	1.588	1.614	-1.6	95	0.00
41	T	Methacrylonitrile	0.207	0.267	-29.0#	100	0.00
42	TM	1,2-Dichloroethane	0.557	0.580	-4.1	104	0.00
43	T	Isopropyl Acetate	0.758	0.881	-16.2	103	0.00
44	TM	Trichloroethene	0.399	0.389	2.5	93	0.00
45	C	1,2-Dichloropropane	0.386	0.424	-9.8#	100	0.00
46	T	Dibromomethane	0.323	0.342	-5.9	106	0.00
47	T	Bromodichloromethane	0.636	0.666	-4.7	103	0.00
48	T	Methyl methacrylate	0.351	0.405	-15.4	100	0.00

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.004	33.3#	65	0.00
50	S	Toluene-d8	1.340	1.413	-5.4	94	0.00
51	T	4-Methyl-2-Pentanone	0.526	0.599	-13.9	99	0.00
52	CM	Toluene	0.959	1.020	-6.4#	95	0.00
53	T	t-1,3-Dichloropropene	0.556	0.647	-16.4	104	0.00
54	T	cis-1,3-Dichloropropene	0.618	0.707	-14.4	102	0.00
55	T	1,1,2-Trichloroethane	0.433	0.465	-7.4	105	0.00
56	T	Ethyl methacrylate	0.490	0.644	-31.4#	105	0.00
57	T	1,3-Dichloropropane	0.653	0.750	-14.9	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.242	0.352	-45.5#	106	0.00
59	T	2-Hexanone	0.386	0.441	-14.2	96	0.00
60	T	Dibromochloromethane	0.506	0.551	-8.9	106	0.00
61	T	1,2-Dibromoethane	0.451	0.501	-11.1	106	0.00
62	S	4-Bromofluorobenzene	0.477	0.528	-10.7	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.365	0.343	6.0	93	0.00
65	PM	Chlorobenzene	1.184	1.160	2.0	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.443	0.436	1.6	100	0.00
67	C	Ethyl Benzene	1.744	1.818	-4.2#	91	0.00
68	T	m/p-Xylenes	0.692	0.759	-9.7	93	0.00
69	T	o-Xylene	0.611	0.685	-12.1	94	0.00
70	T	Styrene	1.087	1.291	-18.8	96	0.00
71	P	Bromoform	0.359	0.392	-9.2	108	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.036	3.218	-6.0	91	0.00
74	T	N-amyl acetate	1.251	1.417	-13.3	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.394	1.328	4.7	103	0.00
76	T	1,2,3-Trichloropropane	0.998	0.965	3.3	99	0.00
77	T	Bromobenzene	0.835	0.884	-5.9	99	0.00
78	T	n-propylbenzene	3.684	3.826	-3.9	89	0.00
79	T	2-Chlorotoluene	2.275	2.394	-5.2	93	0.00
80	T	1,3,5-Trimethylbenzene	2.546	2.778	-9.1	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.395	0.444	-12.4	101	0.00
82	T	4-Chlorotoluene	2.614	2.860	-9.4	94	0.00
83	T	tert-Butylbenzene	2.529	2.586	-2.3	89	0.00
84	T	1,2,4-Trimethylbenzene	2.507	2.795	-11.5	92	0.00
85	T	sec-Butylbenzene	3.197	3.133	2.0	83	0.00
86	T	p-Isopropyltoluene	2.749	2.756	-0.3	85	0.00
87	T	1,3-Dichlorobenzene	1.665	1.693	-1.7	96	0.00
88	T	1,4-Dichlorobenzene	1.863	1.758	5.6	95	0.00
89	T	n-Butylbenzene	2.560	2.436	4.8	80	0.00
90	T	Hexachloroethane	0.680	0.563	17.2	87	0.00
91	T	1,2-Dichlorobenzene	1.584	1.613	-1.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.287	0.266	7.3	97	0.00
93	T	1,2,4-Trichlorobenzene	0.883	0.929	-5.2	92	0.00
94	T	Hexachlorobutadiene	0.447	0.314	29.8#	71	0.00
95	T	Naphthalene	2.894	3.418	-18.1	95	0.00

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.918	0.977	-6.4	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	86	0.00
2	T	Dichlorodifluoromethane	50.000	39.427	21.1#	72	0.00
3	P	Chloromethane	50.000	45.141	9.7	87	0.00
4	C	Vinyl Chloride	50.000	41.566	16.9#	81	0.00
5	T	Bromomethane	50.000	50.281	-0.6	100	0.00
6	T	Chloroethane	50.000	52.893	-5.8	90	0.00
7	T	Trichlorofluoromethane	50.000	42.918	14.2	85	0.00
8	T	Diethyl Ether	50.000	53.152	-6.3	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.023	14.0	85	0.00
10	T	Methyl Iodide	50.000	66.690	-33.4#	107	0.00
11	T	Tert butyl alcohol	250.000	172.512	31.0#	68	0.00
12	CM	1,1-Dichloroethene	50.000	42.044	15.9#	86	0.00
13	T	Acrolein	250.000	597.108	-138.8#	214	0.00
14	T	Allyl chloride	50.000	45.823	8.4	91	0.00
15	T	Acrylonitrile	250.000	245.798	1.7	100	0.00
16	T	Acetone	250.000	280.314	-12.1	93	0.00
17	T	Carbon Disulfide	50.000	42.845	14.3	88	0.00
18	T	Methyl Acetate	50.000	45.910	8.2	88	0.00
19	T	Methyl tert-butyl Ether	50.000	55.858	-11.7	108	0.00
20	T	Methylene Chloride	50.000	60.899	-21.8#	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.462	9.1	94	0.00
22	T	Diisopropyl ether	50.000	56.278	-12.6	104	0.00
23	T	Vinyl Acetate	250.000	287.608	-15.0	107	0.00
24	P	1,1-Dichloroethane	50.000	47.249	5.5	96	0.00
25	T	2-Butanone	250.000	264.955	-6.0	93	0.00
26	T	2,2-Dichloropropane	50.000	44.765	10.5	87	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.658	-7.3	100	0.00
28	T	Bromochloromethane	50.000	55.360	-10.7	107	0.00
29	T	Tetrahydrofuran	250.000	260.808	-4.3	93	0.00
30	C	Chloroform	50.000	49.444	1.1#	100	0.00
31	T	Cyclohexane	50.000	45.579	8.8	84	0.00
32	T	1,1,1-Trichloroethane	50.000	45.126	9.7	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	56.092	-12.2	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35	S	Dibromofluoromethane	50.000	53.726	-7.5	101	0.00
36	T	1,1-Dichloropropene	50.000	45.602	8.8	86	0.00
37	T	Ethyl Acetate	50.000	49.883	0.2	100	0.00
38	T	Carbon Tetrachloride	50.000	46.250	7.5	90	0.00
39	T	Methylcyclohexane	50.000	45.576	8.8	79	0.00
40	TM	Benzene	50.000	50.813	-1.6	95	0.00
41	T	Methacrylonitrile	50.000	53.736	-7.5	100	0.00
42	TM	1,2-Dichloroethane	50.000	52.074	-4.1	104	0.00
43	T	Isopropyl Acetate	50.000	58.059	-16.1	103	0.00
44	TM	Trichloroethene	50.000	48.767	2.5	93	0.00
45	C	1,2-Dichloropropane	50.000	54.926	-9.9#	100	0.00
46	T	Dibromomethane	50.000	52.994	-6.0	106	0.00
47	T	Bromodichloromethane	50.000	52.319	-4.6	103	0.00
48	T	Methyl methacrylate	50.000	57.640	-15.3	100	0.00

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	715.578	28.4#	65	0.00
50	S	Toluene-d8	50.000	52.707	-5.4	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	284.472	-13.8	99	0.00
52	CM	Toluene	50.000	53.182	-6.4#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	58.145	-16.3	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.165	-14.3	102	0.00
55	T	1,1,2-Trichloroethane	50.000	53.719	-7.4	105	0.00
56	T	Ethyl methacrylate	50.000	65.633	-31.3#	105	0.00
57	T	1,3-Dichloropropane	50.000	57.383	-14.8	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	295.215	-18.1	106	0.00
59	T	2-Hexanone	250.000	285.636	-14.3	96	0.00
60	T	Dibromochloromethane	50.000	54.397	-8.8	106	0.00
61	T	1,2-Dibromoethane	50.000	55.543	-11.1	106	0.00
62	S	4-Bromofluorobenzene	50.000	55.299	-10.6	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	46.957	6.1	93	0.00
65	PM	Chlorobenzene	50.000	48.993	2.0	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.149	1.7	100	0.00
67	C	Ethyl Benzene	50.000	52.129	-4.3#	91	0.00
68	T	m/p-Xylenes	100.000	109.762	-9.8	93	0.00
69	T	o-Xylene	50.000	56.059	-12.1	94	0.00
70	T	Styrene	50.000	59.415	-18.8	96	0.00
71	P	Bromoform	50.000	54.721	-9.4	108	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	52.993	-6.0	91	0.00
74	T	N-amyl acetate	50.000	56.636	-13.3	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.616	4.8	103	0.00
76	T	1,2,3-Trichloropropane	50.000	48.325	3.3	99	0.00
77	T	Bromobenzene	50.000	52.955	-5.9	99	0.00
78	T	n-propylbenzene	50.000	51.927	-3.9	89	0.00
79	T	2-Chlorotoluene	50.000	52.616	-5.2	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.548	-9.1	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.209	-12.4	101	0.00
82	T	4-Chlorotoluene	50.000	54.705	-9.4	94	0.00
83	T	tert-Butylbenzene	50.000	51.126	-2.3	89	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.752	-11.5	92	0.00
85	T	sec-Butylbenzene	50.000	49.001	2.0	83	0.00
86	T	p-Isopropyltoluene	50.000	50.123	-0.2	85	0.00
87	T	1,3-Dichlorobenzene	50.000	50.845	-1.7	96	0.00
88	T	1,4-Dichlorobenzene	50.000	47.188	5.6	95	0.00
89	T	n-Butylbenzene	50.000	47.584	4.8	80	0.00
90	T	Hexachloroethane	50.000	41.426	17.1	87	0.00
91	T	1,2-Dichlorobenzene	50.000	50.915	-1.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.325	7.3	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.589	-5.2	92	0.00
94	T	Hexachlorobutadiene	50.000	35.087	29.8#	71	0.00
95	T	Naphthalene	50.000	59.064	-18.1	95	0.00

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.198	-6.4	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY023559.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3434
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/24/2025 08:56
Lab File ID: VY023559.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.296		-17.78	20
Chloromethane	0.490	0.393	0.1	-19.8	20
Vinyl Chloride	0.639	0.540		-15.49	20
Bromomethane	0.536	0.487		-9.14	20
Chloroethane	0.435	0.389		-10.57	20
Trichlorofluoromethane	0.887	0.844		-4.85	20
1,1,2-Trichlorotrifluoroethane	0.460	0.472		2.61	20
1,1-Dichloroethene	0.446	0.451		1.12	20
Acetone	0.100	0.101		1	20
Carbon Disulfide	1.277	1.159		-9.24	20
Methyl tert-butyl Ether	1.072	1.188		10.82	20
Methyl Acetate	0.261	0.280		7.28	20
Methylene Chloride	0.538	0.506		-5.95	20
trans-1,2-Dichloroethene	0.491	0.511		4.07	20
1,1-Dichloroethane	0.796	0.814	0.1	2.26	20
Cyclohexane	0.696	0.644		-7.47	20
2-Butanone	0.122	0.124		1.64	20
Carbon Tetrachloride	0.493	0.528		7.1	20
cis-1,2-Dichloroethene	0.567	0.623		9.88	20
Bromochloromethane	0.297	0.248		-16.5	20
Chloroform	0.875	0.933		6.63	20
1,1,1-Trichloroethane	0.795	0.836		5.16	20
Methylcyclohexane	0.530	0.561		5.85	20
Benzene	1.288	1.380		7.14	20
1,2-Dichloroethane	0.332	0.338		1.81	20
Trichloroethene	0.377	0.413		9.55	20
1,2-Dichloropropane	0.285	0.304		6.67	20
Bromodichloromethane	0.453	0.497		9.71	20
4-Methyl-2-Pentanone	0.166	0.181		9.04	20
Toluene	0.836	0.928		11.01	20
t-1,3-Dichloropropene	0.394	0.436		10.66	20
cis-1,3-Dichloropropene	0.465	0.520		11.83	20
1,1,2-Trichloroethane	0.242	0.275		13.64	20
2-Hexanone	0.119	0.131		10.08	20
Dibromochloromethane	0.339	0.389		14.75	20
1,2-Dibromoethane	0.231	0.263		13.85	20
Tetrachloroethene	0.516	0.576		11.63	20
Chlorobenzene	1.087	1.224	0.3	12.6	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY023559.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3434
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/24/2025 08:56
Lab File ID: VY023559.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.991		13.13	20
m/p-Xylenes	0.706	0.816		15.58	20
o-Xylene	0.662	0.779		17.67	20
Styrene	1.089	1.285		18	20
Bromoform	0.240	0.278	0.1	15.83	20
Isopropylbenzene	3.295	3.754		13.93	20
1,1,2,2-Tetrachloroethane	0.539	0.600	0.3	11.32	20
1,3-Dichlorobenzene	1.706	1.896		11.14	20
1,4-Dichlorobenzene	1.685	1.876		11.34	20
1,2-Dichlorobenzene	1.496	1.689		12.9	20
1,2-Dibromo-3-Chloropropane	0.088	0.093		5.68	20
1,2,4-Trichlorobenzene	0.932	1.065		14.27	20
1,2,3-Trichlorobenzene	0.808	0.912		12.87	20
1,2-Dichloroethane-d4	0.418	0.374		-10.53	20
Dibromofluoromethane	0.307	0.304		-0.98	20
Toluene-d8	1.144	1.115		-2.54	20
4-Bromofluorobenzene	0.378	0.376		-0.53	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VY023559.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	558901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	809883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	380279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	208884	44.694	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 89.380%			
35) Dibromofluoromethane	7.634	113	246096	49.453	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.900%			
50) Toluene-d8	10.109	98	902938	48.722	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.440%			
62) 4-Bromofluorobenzene	12.407	95	304706	49.801	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	165459	41.129	ug/l	96
3) Chloromethane	2.074	50	219496	40.052	ug/l	99
4) Vinyl Chloride	2.208	62	301831	42.285	ug/l	100
5) Bromomethane	2.598	94	272400	45.475	ug/l	99
6) Chloroethane	2.738	64	217301	44.661	ug/l	99
7) Trichlorofluoromethane	3.061	101	471600	47.584	ug/l	100
8) Diethyl Ether	3.458	74	133898	51.703	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	263863	51.306	ug/l	98
10) Methyl Iodide	4.006	142	326535	57.032	ug/l	97
11) Tert butyl alcohol	4.854	59	102526	294.878	ug/l	97
12) 1,1-Dichloroethene	3.793	96	251789	50.504	ug/l	100
13) Acrolein	3.653	56	33834	68.867	ug/l	99
14) Allyl chloride	4.384	41	289064	47.575	ug/l	97
15) Acrylonitrile	5.061	53	256147	258.449	ug/l	99
16) Acetone	3.866	43	282132	253.570	ug/l	96
17) Carbon Disulfide	4.110	76	647806	45.399	ug/l	100
18) Methyl Acetate	4.384	43	156234	53.529	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	663717	55.391	ug/l	94
20) Methylene Chloride	4.616	84	282698	46.987	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	285348	51.986	ug/l	99
22) Diisopropyl ether	6.018	45	690797	51.399	ug/l	96
23) Vinyl Acetate	5.963	43	1822354	250.506	ug/l	95
24) 1,1-Dichloroethane	5.921	63	454990	51.107	ug/l	99
25) 2-Butanone	6.896	43	346329	254.962	ug/l	98
26) 2,2-Dichloropropane	6.890	77	436383	53.419	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	348158	54.911	ug/l	95
28) Bromochloromethane	7.250	49	138645	41.717	ug/l	89
29) Tetrahydrofuran	7.262	42	193584	251.315	ug/l	93
30) Chloroform	7.420	83	521543	53.320	ug/l	100
31) Cyclohexane	7.707	56	360008	46.305	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	467412	52.584	ug/l	99
36) 1,1-Dichloropropene	7.835	75	345033	52.372	ug/l	99
37) Ethyl Acetate	6.981	43	131442	50.360	ug/l	96
38) Carbon Tetrachloride	7.823	117	427890	53.563	ug/l	99
39) Methylcyclohexane	9.109	83	454580	52.994	ug/l	99
40) Benzene	8.085	78	1117791	53.575	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	76239	54.008	ug/l		94
42) 1,2-Dichloroethane	8.158	62	273693	50.864	ug/l		97
43) Isopropyl Acetate	8.201	43	271189	52.107	ug/l	#	85
44) Trichloroethene	8.865	130	334751	54.817	ug/l		98
45) 1,2-Dichloropropane	9.140	63	246074	53.397	ug/l		98
46) Dibromomethane	9.231	93	160236	54.988	ug/l		98
47) Bromodichloromethane	9.426	83	402796	54.883	ug/l		100
48) Methyl methacrylate	9.219	41	124097	50.755	ug/l		90
49) 1,4-Dioxane	9.231	88	38729	1146.304	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	731786	272.142	ug/l		97
52) Toluene	10.170	92	751520	55.476	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	353434	55.385	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	421103	55.911	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	222722	56.837	ug/l		98
56) Ethyl methacrylate	10.438	69	271697	60.107	ug/l		93
57) 1,3-Dichloropropane	10.719	76	346039	55.727	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	547857	270.556	ug/l		97
59) 2-Hexanone	10.761	43	528461	275.001	ug/l		95
60) Dibromochloromethane	10.914	129	315067	57.348	ug/l		100
61) 1,2-Dibromoethane	11.017	107	213108	57.024	ug/l		100
64) Tetrachloroethene	10.645	164	410235	55.753	ug/l		98
65) Chlorobenzene	11.444	112	872090	56.267	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	311946	56.479	ug/l		99
67) Ethyl Benzene	11.517	91	1418642	56.546	ug/l		99
68) m/p-Xylenes	11.627	106	1162639	115.537	ug/l		98
69) o-Xylene	11.956	106	555086	58.810	ug/l		97
70) Styrene	11.968	104	915552	58.986	ug/l		99
71) Bromoform	12.133	173	198287	57.877	ug/l	#	100
73) Isopropylbenzene	12.255	105	1427449	56.959	ug/l		100
74) N-amyl acetate	12.072	43	240539	53.438	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	228057	55.639	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	168230m	50.142	ug/l		
77) Bromobenzene	12.529	156	372577	55.922	ug/l		98
78) n-propylbenzene	12.596	91	1644549	56.707	ug/l		99
79) 2-Chlorotoluene	12.682	91	947547	55.795	ug/l		99
80) 1,3,5-Trimethylbenzene	12.736	105	1157792	57.172	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	77712	56.799	ug/l		95
82) 4-Chlorotoluene	12.779	91	966872	55.281	ug/l		98
83) tert-Butylbenzene	12.993	119	1094487	58.535	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	1158715	57.333	ug/l		100
85) sec-Butylbenzene	13.175	105	1549057	57.753	ug/l		100
86) p-Isopropyltoluene	13.291	119	1337700	58.577	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	720888	55.564	ug/l		100
88) 1,4-Dichlorobenzene	13.364	146	713367	55.673	ug/l		100
89) n-Butylbenzene	13.614	91	1156866	58.138	ug/l		99
90) Hexachloroethane	13.877	117	266678	54.294	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	642214	56.461	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	35210	52.353	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	405098	57.127	ug/l		99
94) Hexachlorobutadiene	15.023	225	244033	55.207	ug/l		100
95) Naphthalene	15.145	128	662767	58.694	ug/l		100
96) 1,2,3-Trichlorobenzene	15.327	180	346789	56.460	ug/l		99

Sample Results: **VY023559.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

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

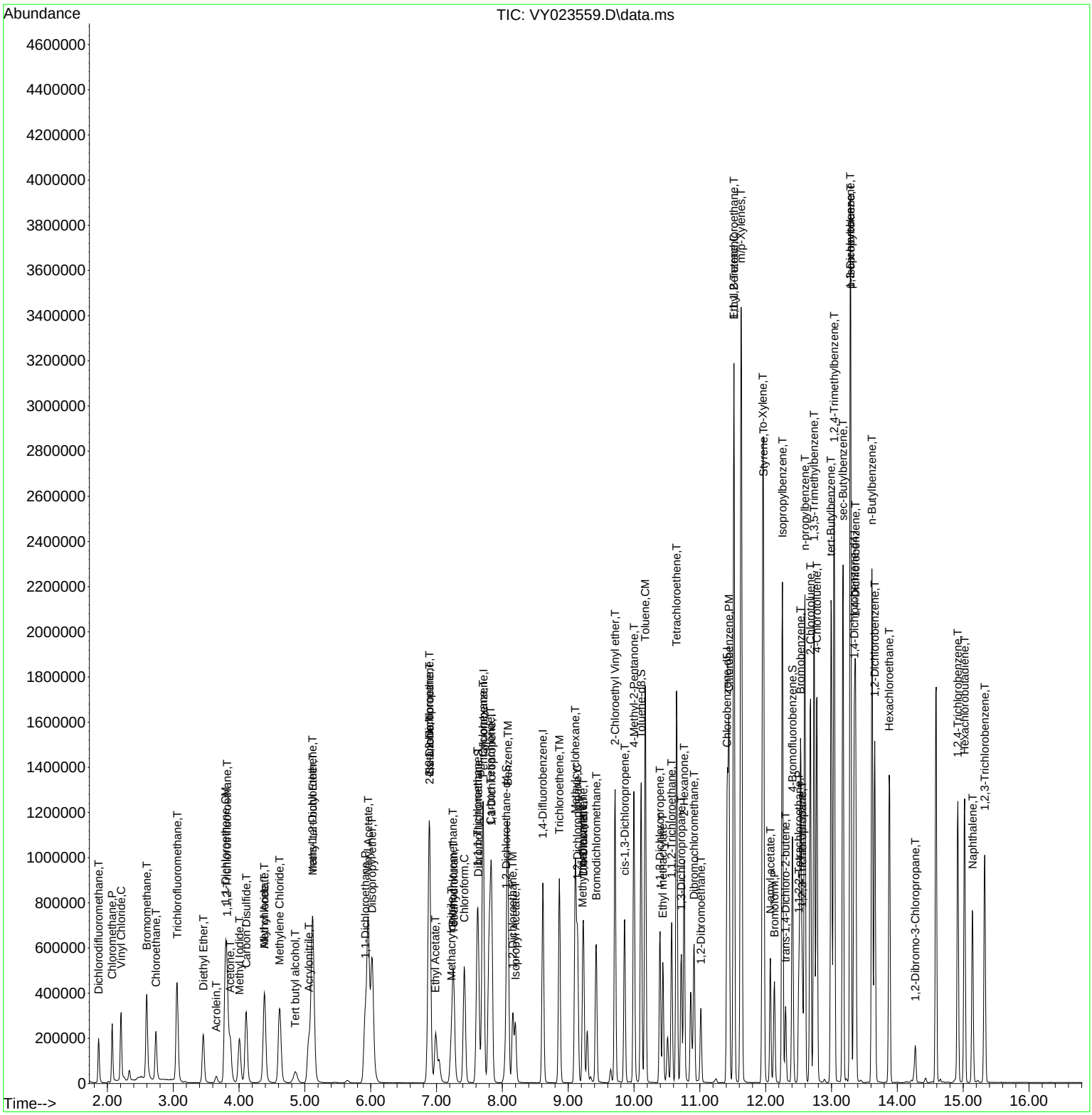
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

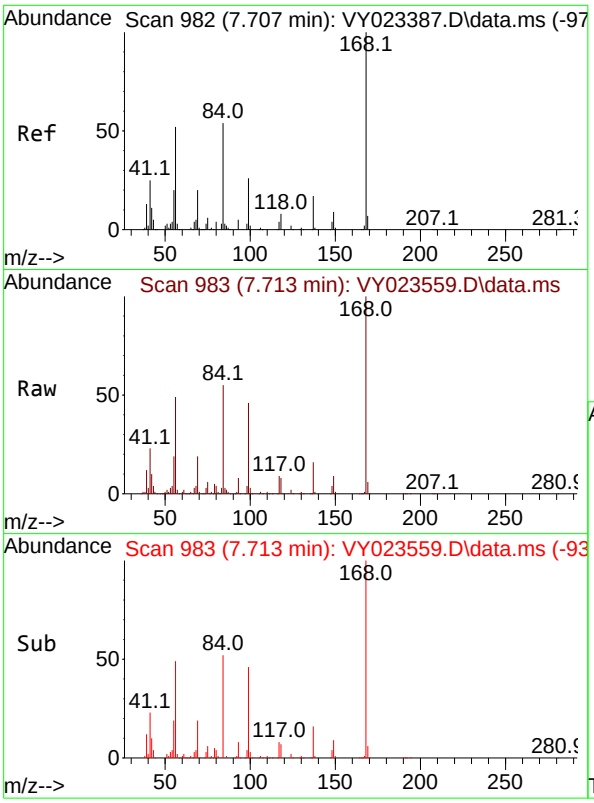
Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

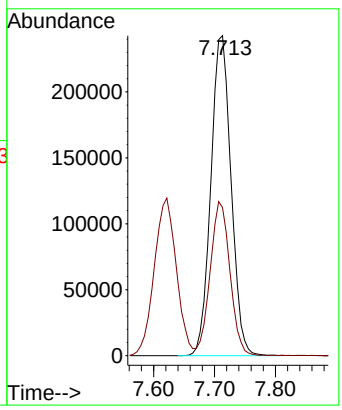




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:168 Resp: 55890

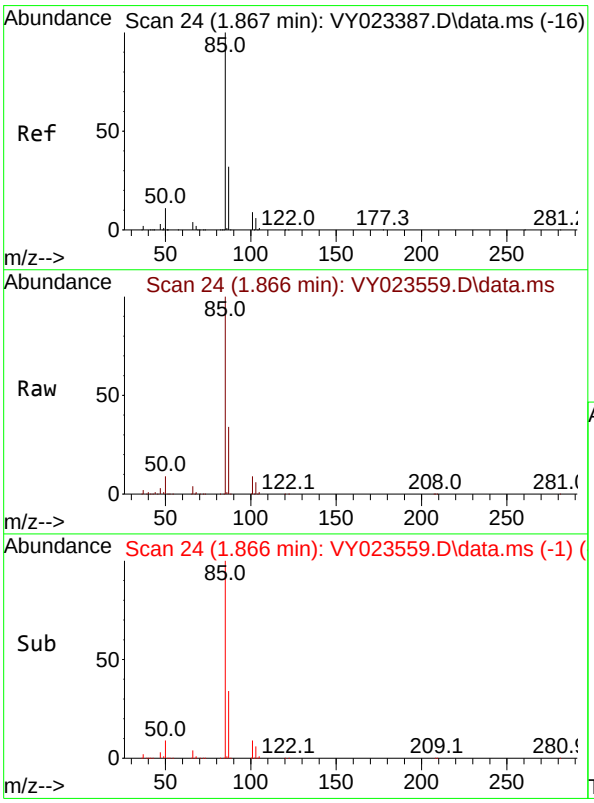
Ion	Ratio	Lower	Upper
168	100		
99	46.3	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

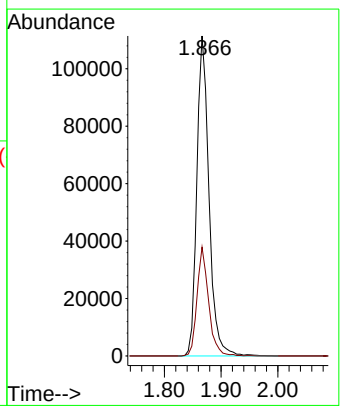
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

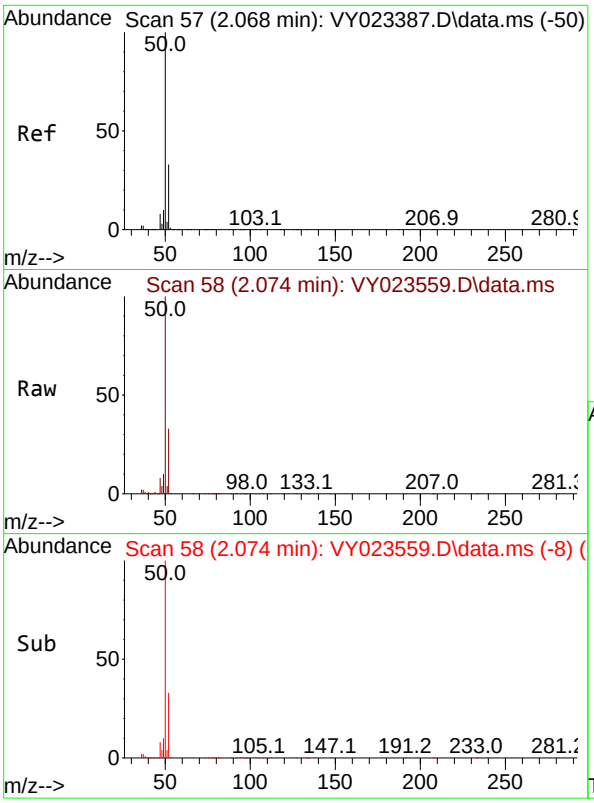


#2
Dichlorodifluoromethane
Concen: 41.129 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 85 Resp: 165459

Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.0	47.9

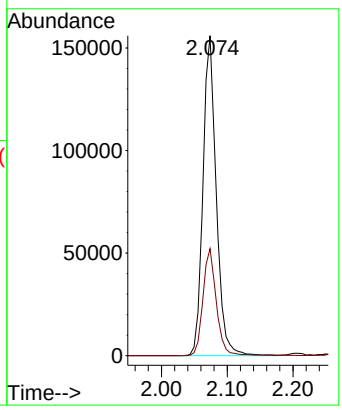




#3
Chloromethane
Concen: 40.052 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 50 Resp: 21949

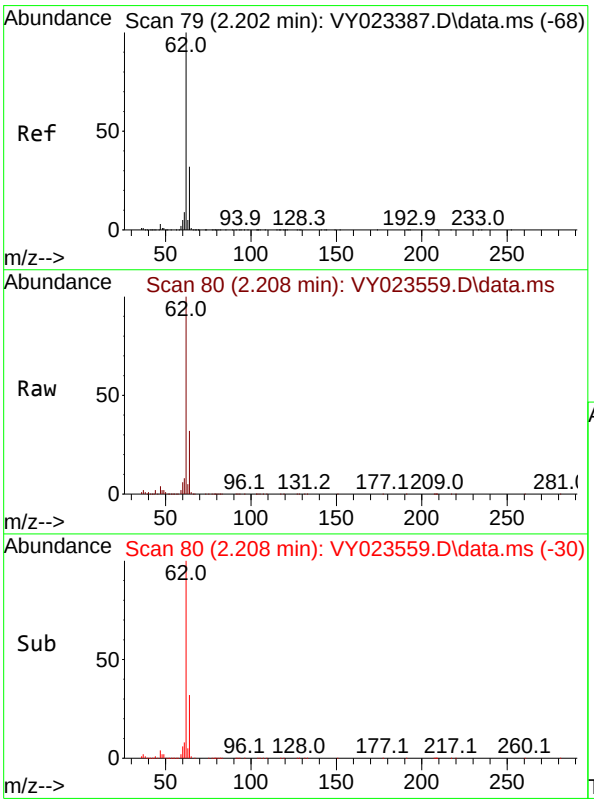
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

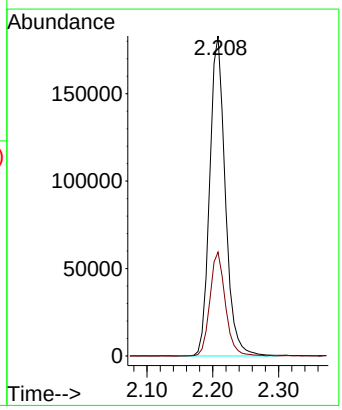
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

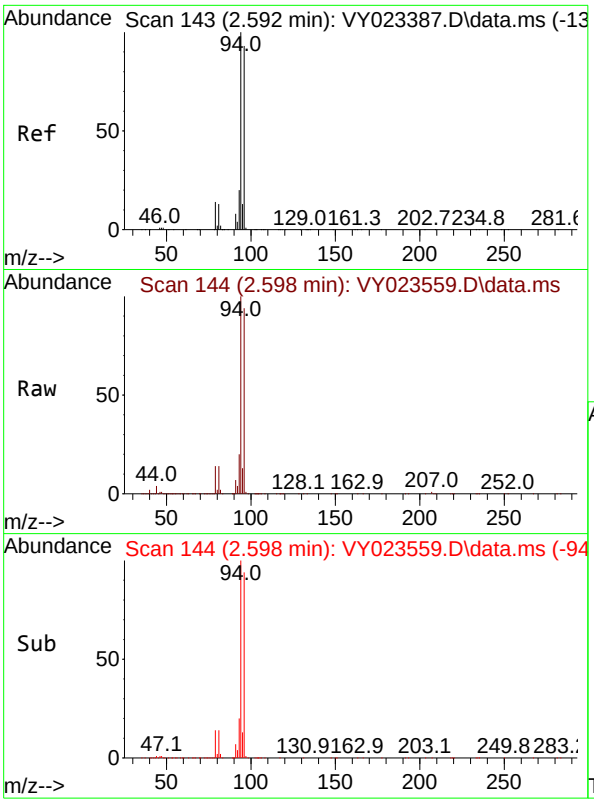


#4
Vinyl Chloride
Concen: 42.285 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 62 Resp: 301831

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.8	38.8

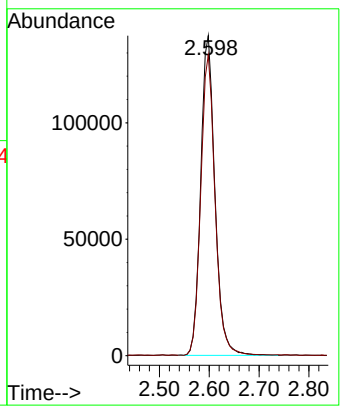




#5
Bromomethane
Concen: 45.475 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 94 Resp: 27240

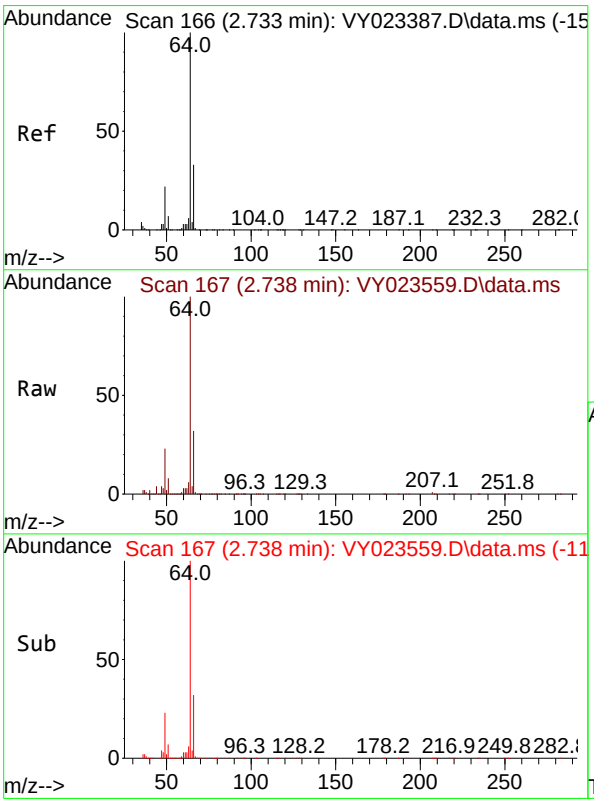
Ion	Ratio	Lower	Upper
94	100		
96	93.9	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

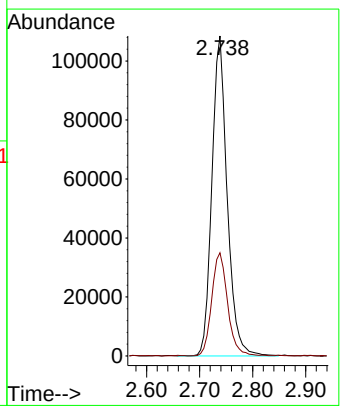
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

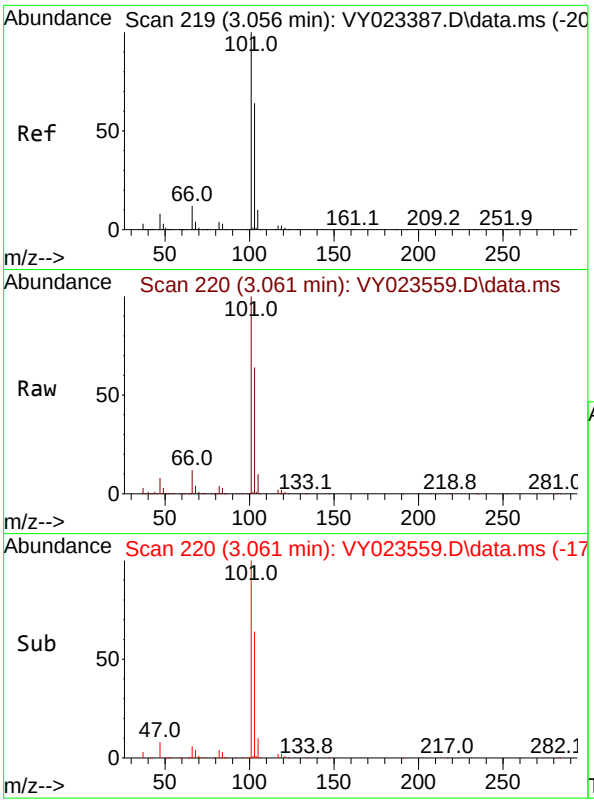


#6
Chloroethane
Concen: 44.661 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 64 Resp: 217301

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.2	39.4





#7
Trichlorofluoromethane
Concen: 47.584 ug/l
RT: 3.061 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

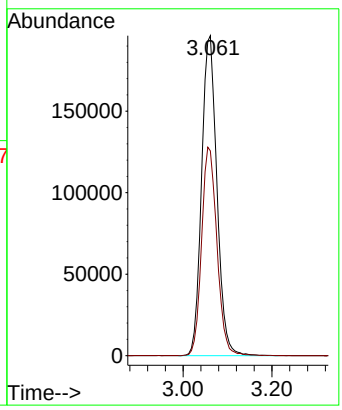
Tgt Ion:101 Resp: 47160

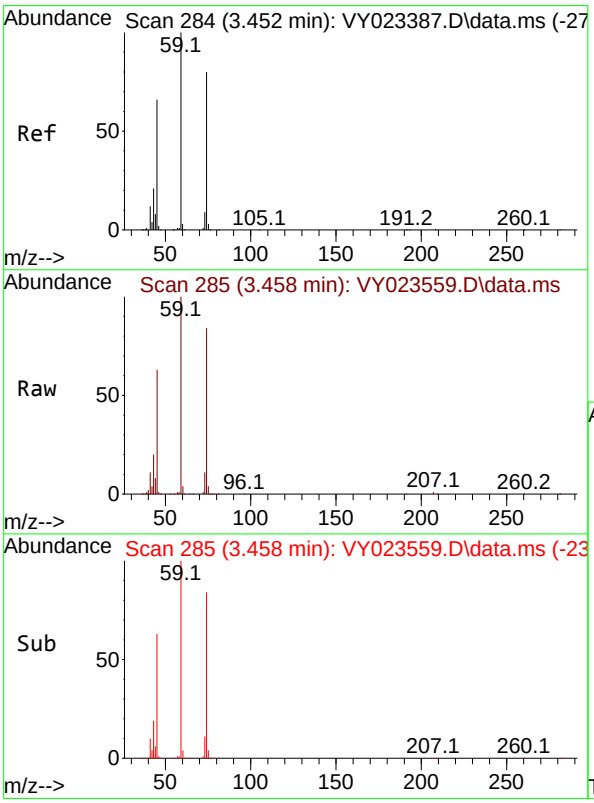
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

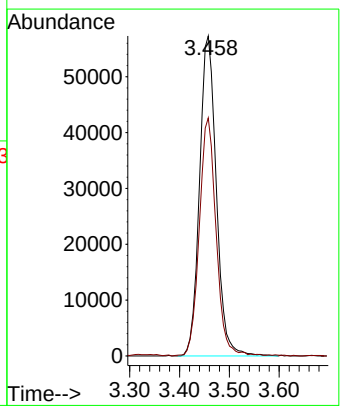


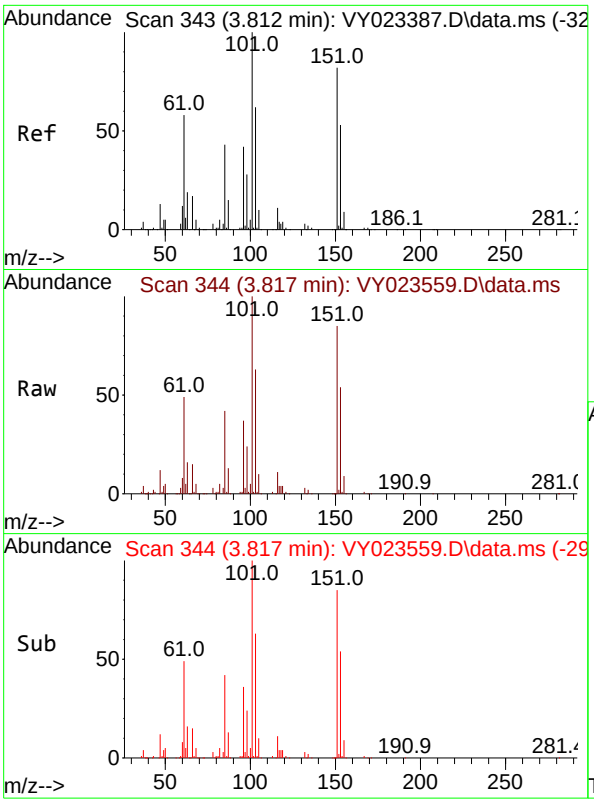


#8
Diethyl Ether
Concen: 51.703 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 74 Resp: 133898

Ion	Ratio	Lower	Upper
74	100		
45	74.5	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.306 ug/l
RT: 3.817 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

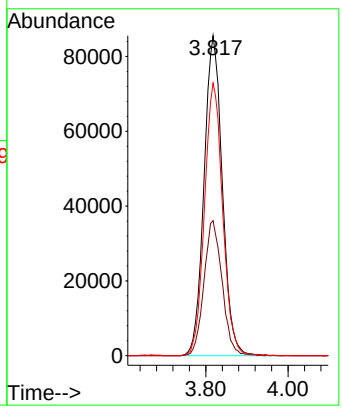
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

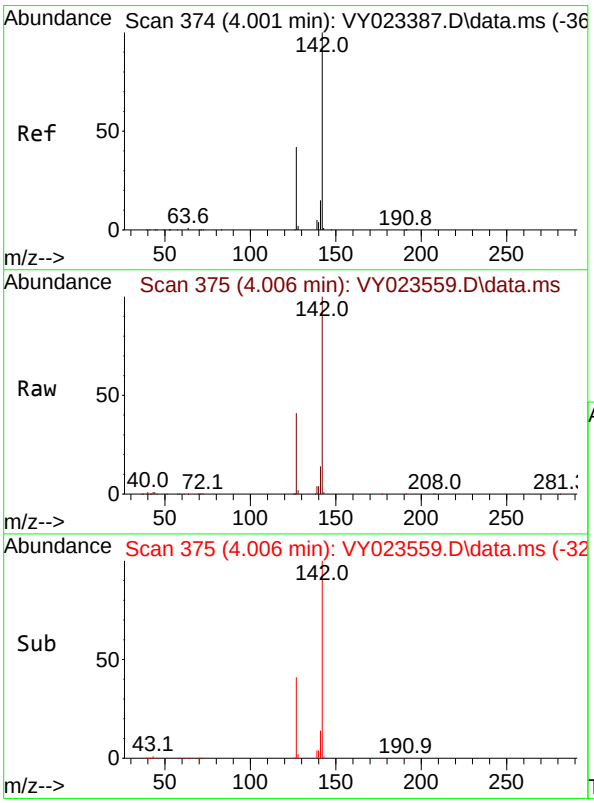
Tgt Ion:101 Resp: 26386

Ion	Ratio	Lower	Upper
101	100		
85	41.9	34.6	51.8
151	85.0	67.0	100.6

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

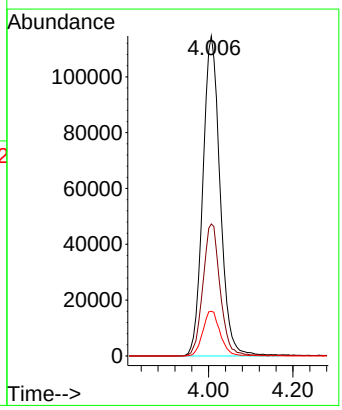


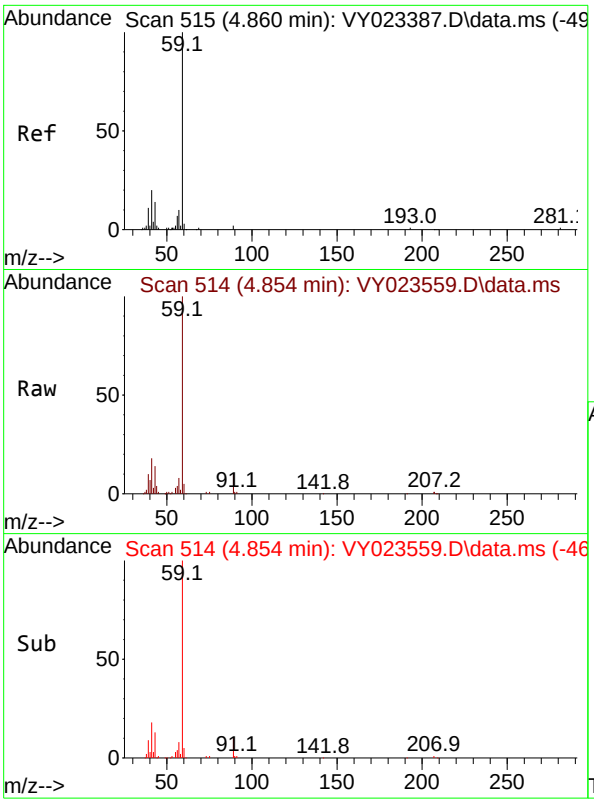


#10
Methyl Iodide
Concen: 57.032 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:142 Resp: 326535

Ion	Ratio	Lower	Upper
142	100		
127	41.1	34.8	52.2
141	14.0	11.6	17.4

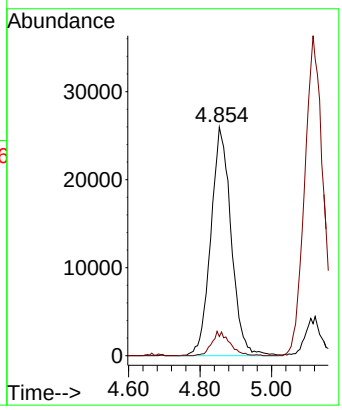




#11
Tert butyl alcohol
Concen: 294.878 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 59 Resp: 10252

Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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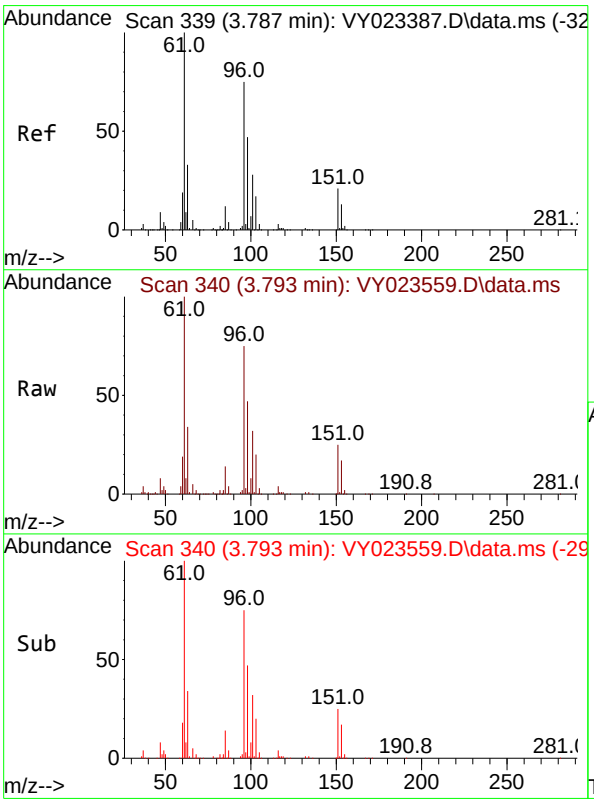
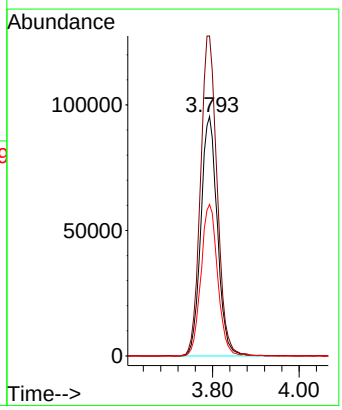
Supervised By :Mahesh Dadoda 10/27/2025

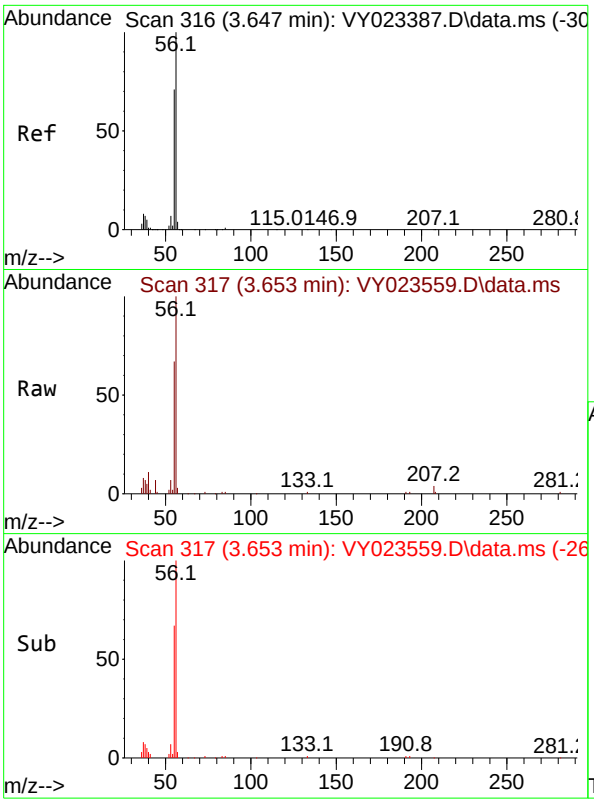


#12
1,1-Dichloroethene
Concen: 50.504 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 96 Resp: 251789

Ion	Ratio	Lower	Upper
96	100		
61	133.6	106.7	160.1
98	63.3	50.2	75.4

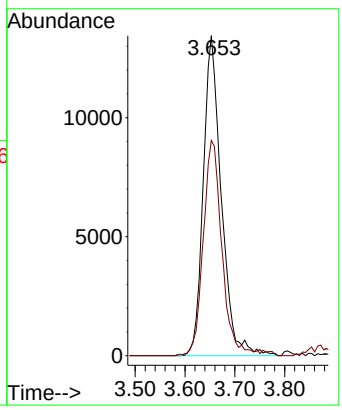




#13
Acrolein
Concen: 68.867 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 56 Resp: 3383

Ion	Ratio	Lower	Upper
56	100		
55	69.0	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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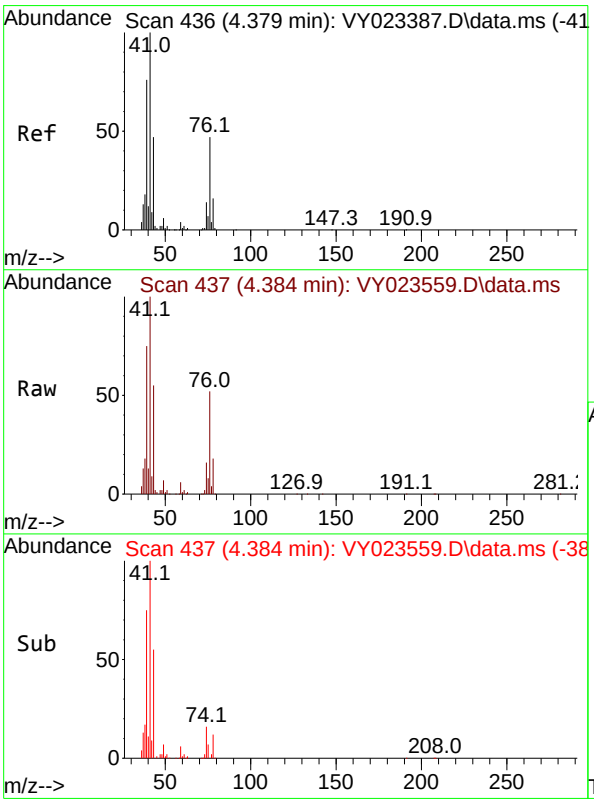
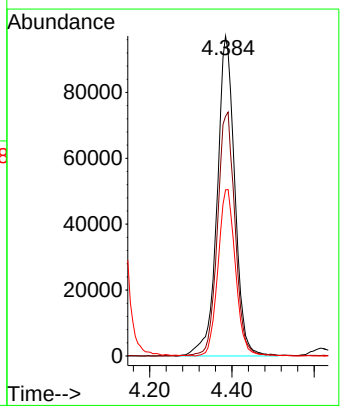
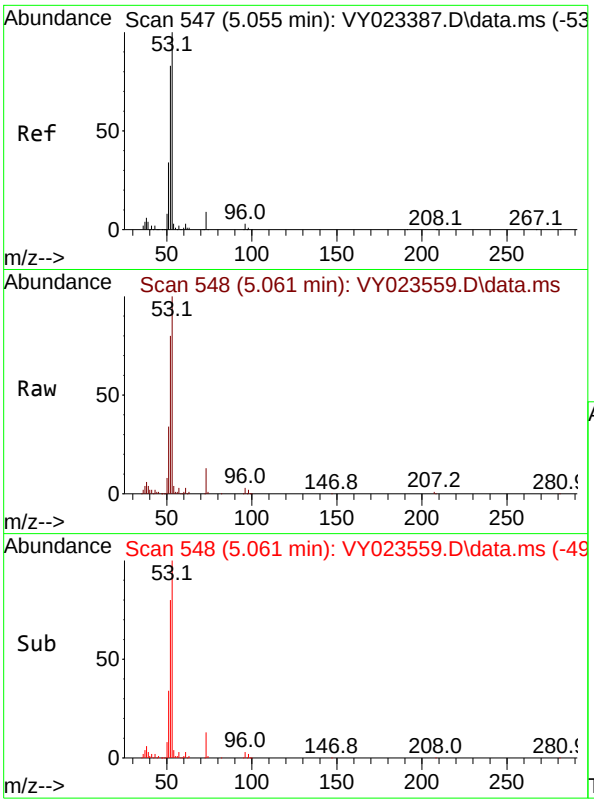


#14
Allyl chloride
Concen: 47.575 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 41 Resp: 289064

Ion	Ratio	Lower	Upper
41	100		
39	76.1	59.9	89.9
76	51.5	38.0	57.0

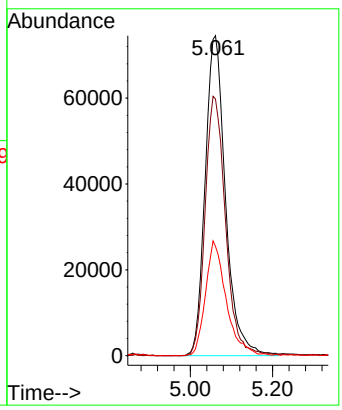




#15
Acrylonitrile
Concen: 258.449 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 53 Resp: 25614

Ion	Ratio	Lower	Upper
53	100		
52	81.3	64.6	97.0
51	36.4	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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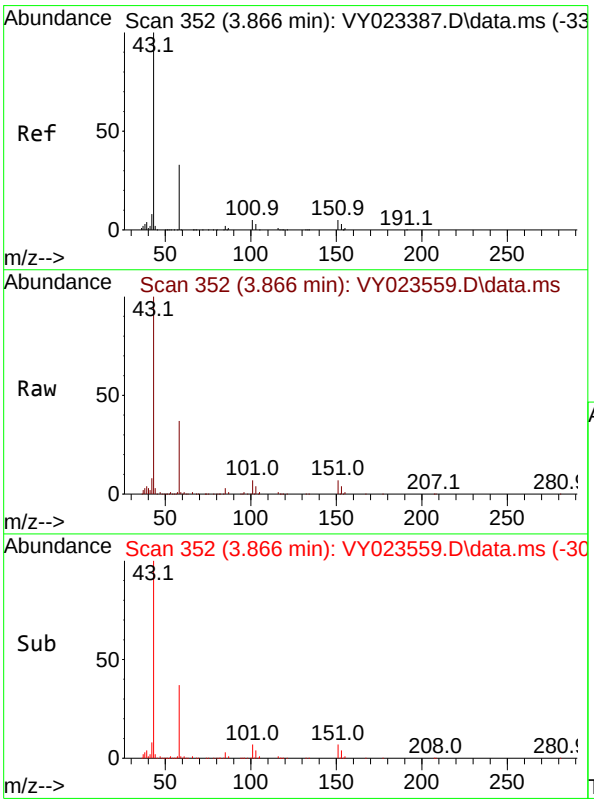
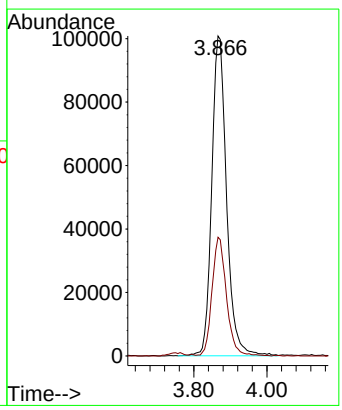
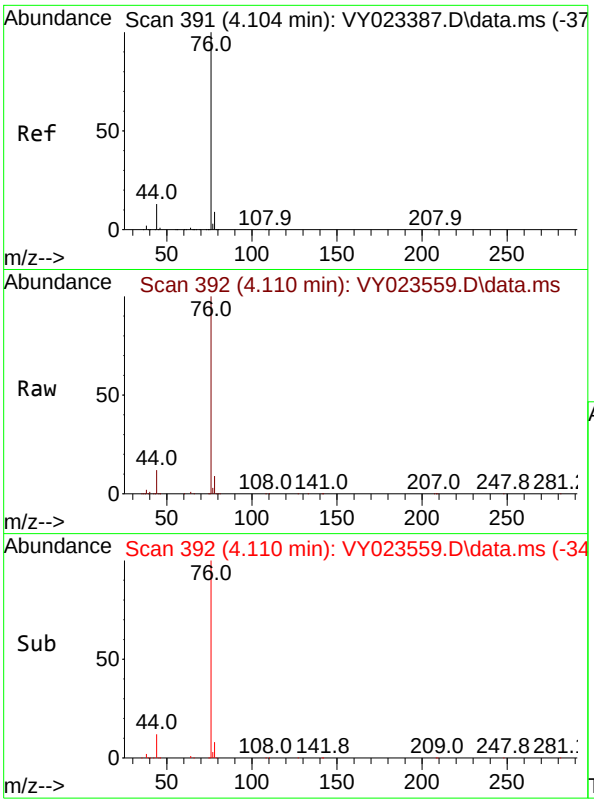


#16
Acetone
Concen: 253.570 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 43 Resp: 282132

Ion	Ratio	Lower	Upper
43	100		
58	37.0	27.7	41.5

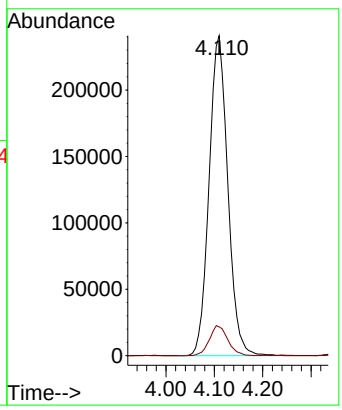




#17
Carbon Disulfide
Concen: 45.399 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 76 Resp: 64780

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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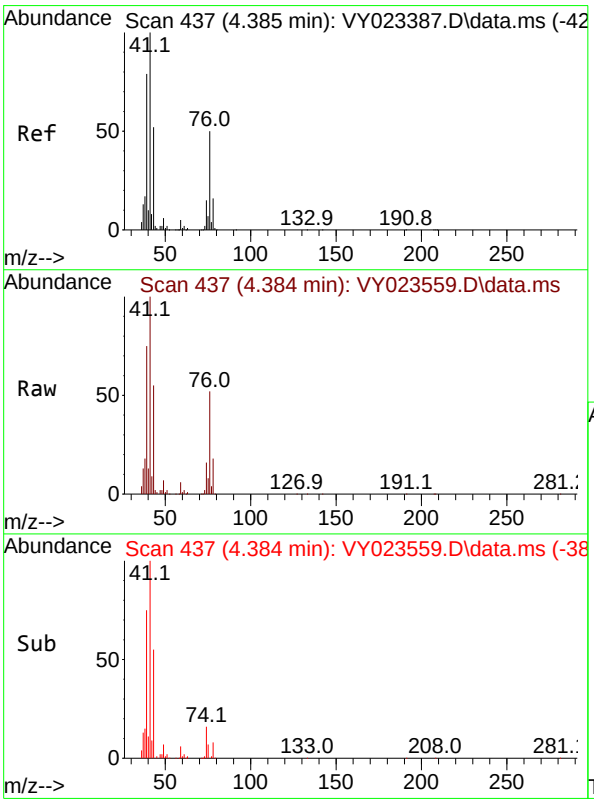
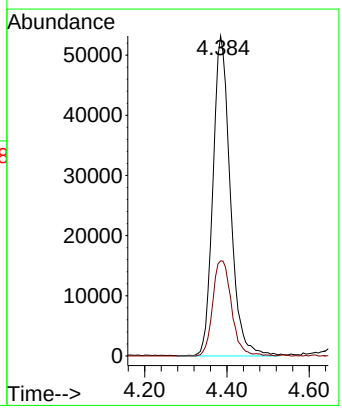
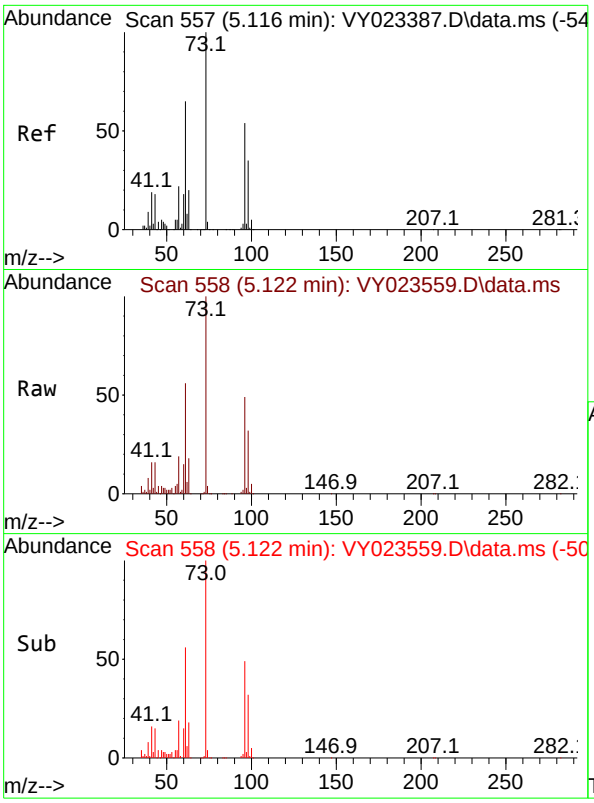


#18
Methyl Acetate
Concen: 53.529 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 43 Resp: 156234

Ion	Ratio	Lower	Upper
43	100		
74	32.2	24.2	36.4





#19
Methyl tert-butyl Ether
Concen: 55.391 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 73 Resp: 6637

Ion	Ratio	Lower	Upper
73	100		
57	18.8	17.4	26.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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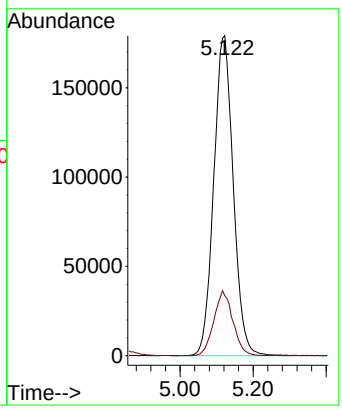
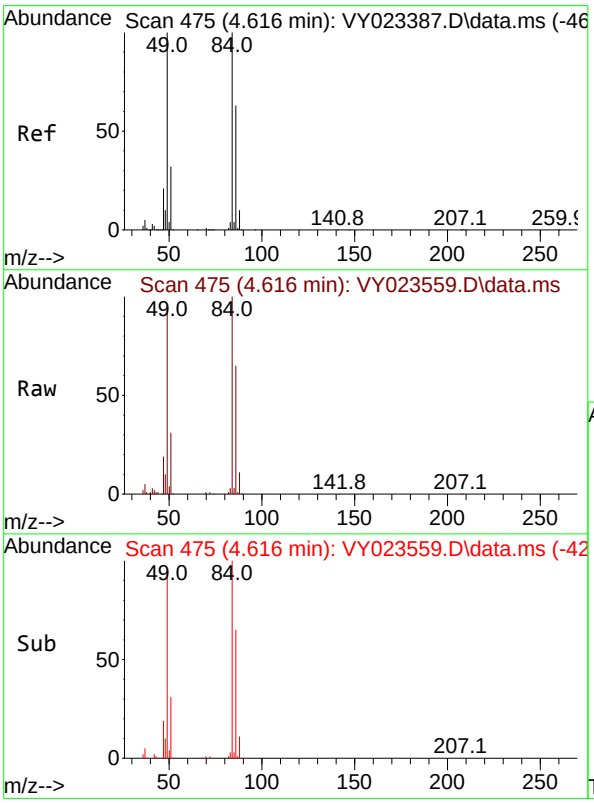
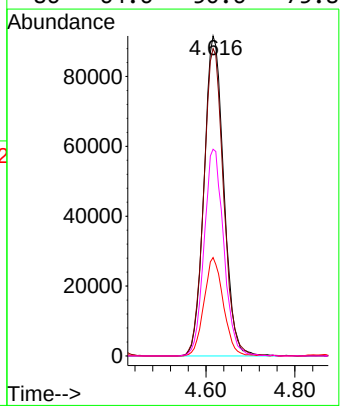


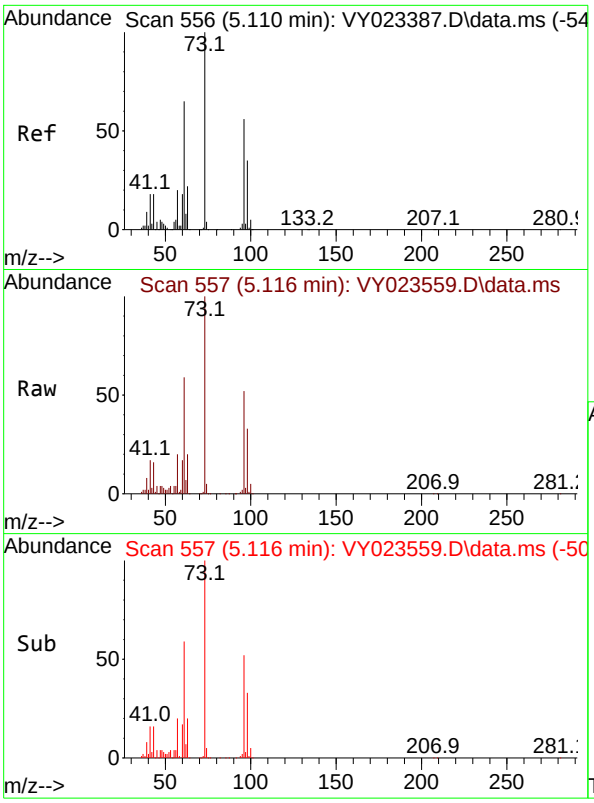


#20
Methylene Chloride
Concen: 46.987 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 84 Resp: 282698

Ion	Ratio	Lower	Upper
84	100		
49	96.0	80.2	120.4
51	30.8	25.9	38.9
86	64.6	50.6	75.8

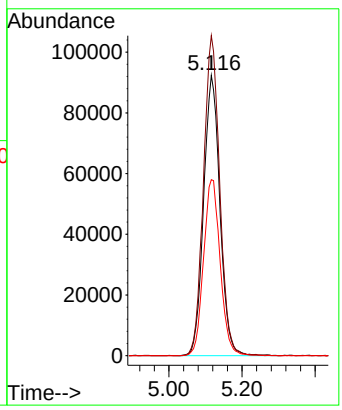




#21
trans-1,2-Dichloroethene
Concen: 51.986 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 96 Resp: 28534

Ion	Ratio	Lower	Upper
96	100		
61	114.1	92.7	139.1
98	62.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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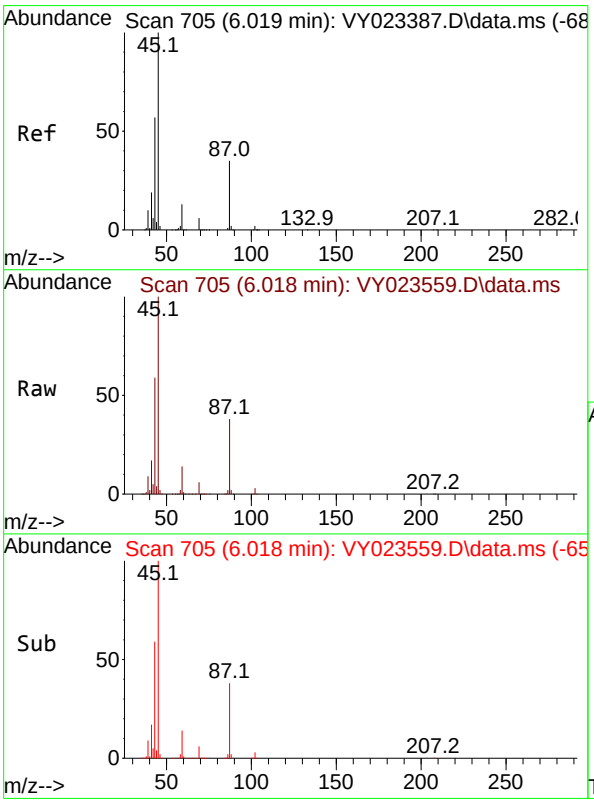
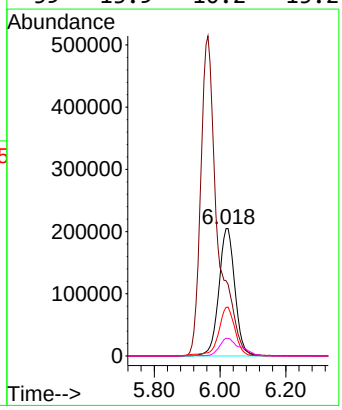
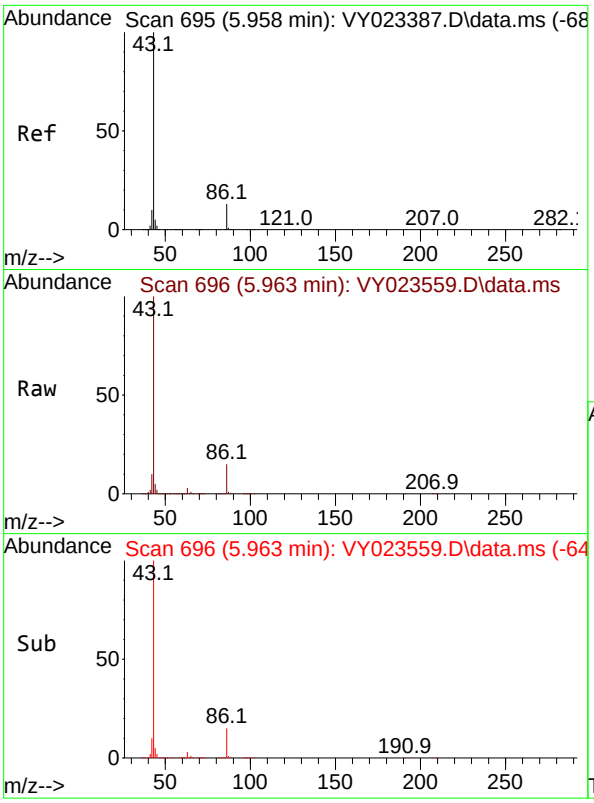


#22
Diisopropyl ether
Concen: 51.399 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 45 Resp: 690797

Ion	Ratio	Lower	Upper
45	100		
43	59.1	45.6	68.4
87	38.2	28.1	42.1
59	13.9	10.2	15.2





#23
Vinyl Acetate
Concen: 250.506 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 43 Resp: 182235

Ion	Ratio	Lower	Upper
43	100		
86	15.1	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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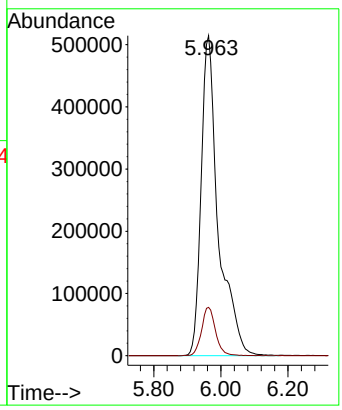
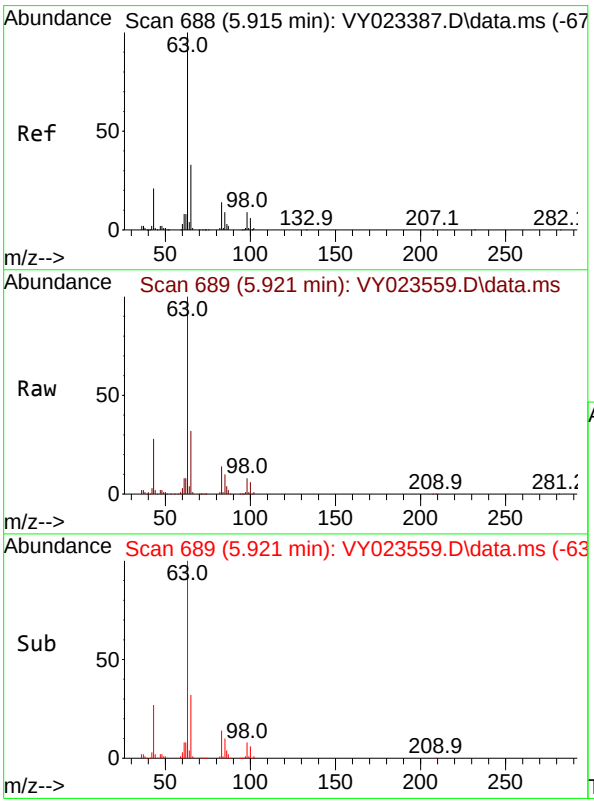
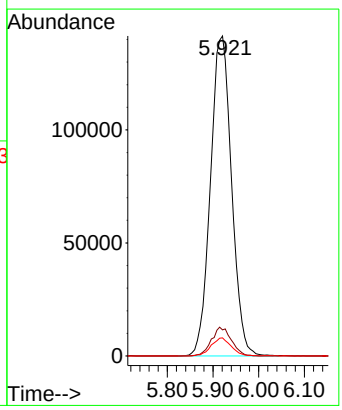


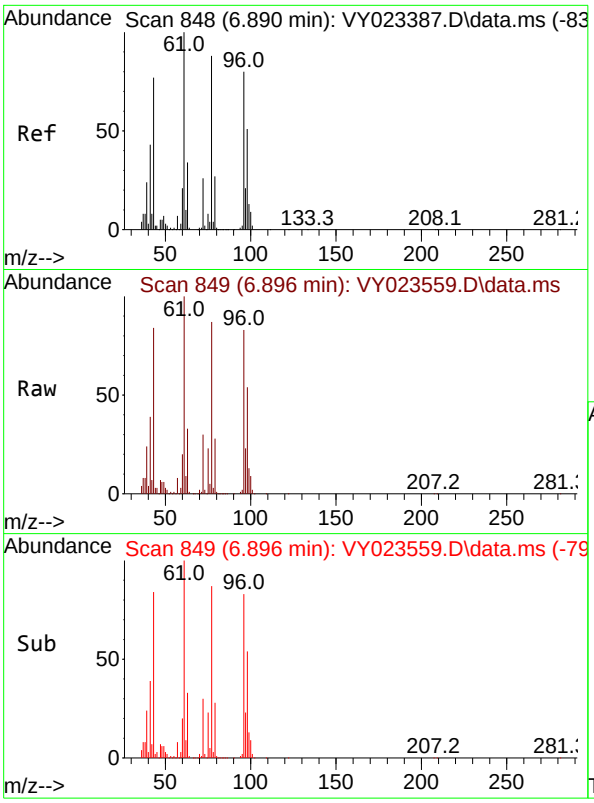


#24
1,1-Dichloroethane
Concen: 51.107 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 63 Resp: 454990

Ion	Ratio	Lower	Upper
63	100		
98	8.2	4.3	13.1
100	5.7	2.8	8.4





#25
2-Butanone
Concen: 254.962 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 43 Resp: 34632

Ion	Ratio	Lower	Upper
43	100		
72	35.7	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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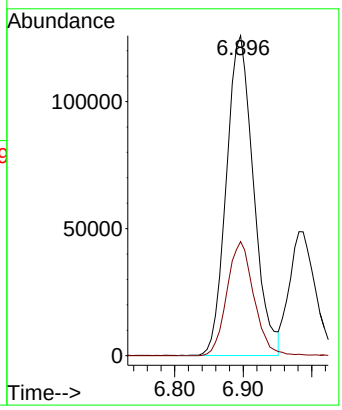
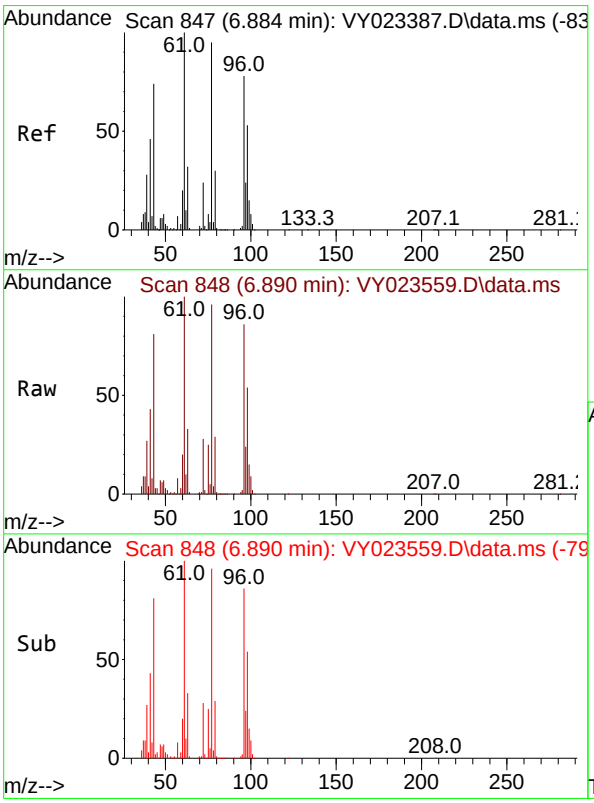
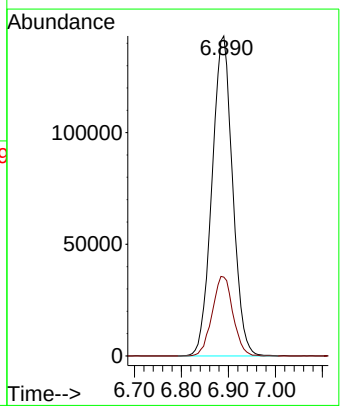


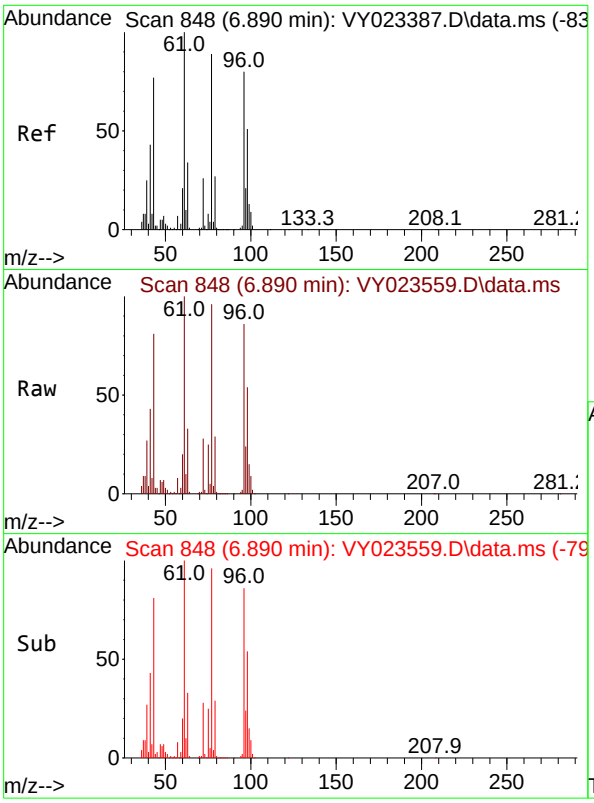


#26
2,2-Dichloropropane
Concen: 53.419 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 77 Resp: 436383

Ion	Ratio	Lower	Upper
77	100		
97	25.0	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 54.911 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 96 Resp: 34815

Ion	Ratio	Lower	Upper
96	100		
61	121.2	0.0	258.2
98	64.9	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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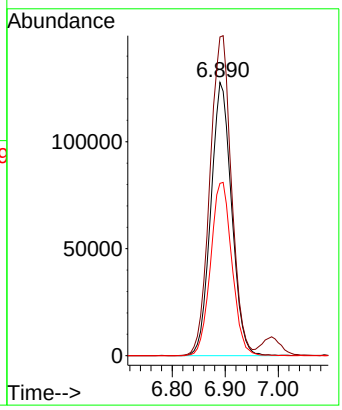
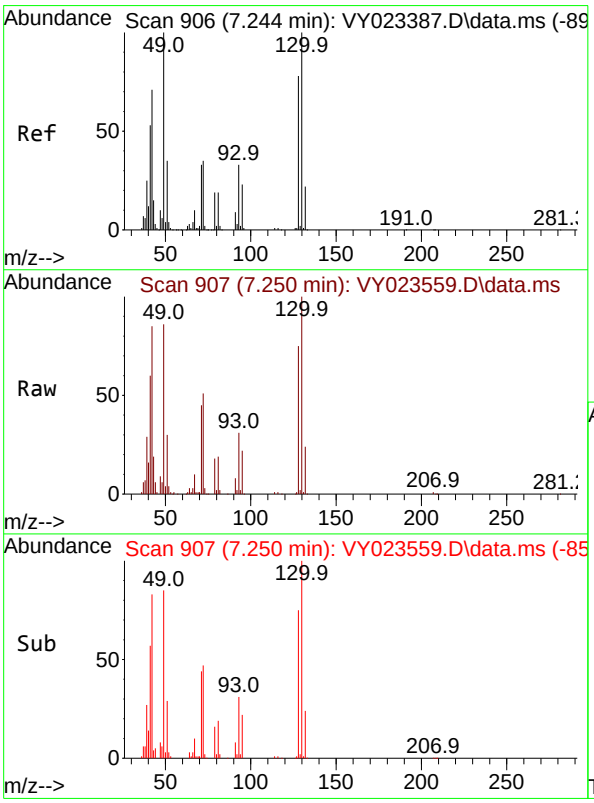
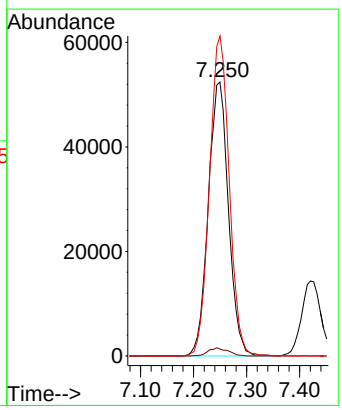


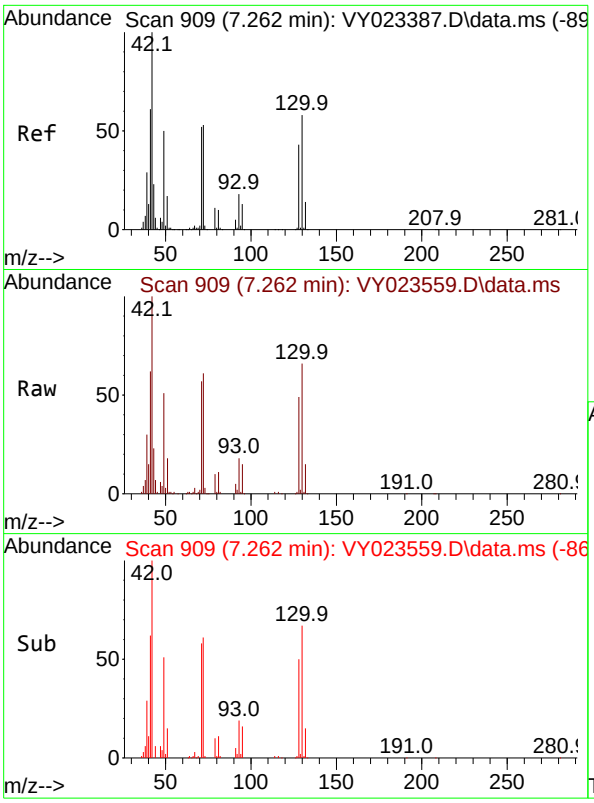


#28
Bromochloromethane
Concen: 41.717 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 49 Resp: 138645

Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	113.9	81.9	122.9





#29
Tetrahydrofuran
Concen: 251.315 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 42 Resp: 19358

Ion	Ratio	Lower	Upper
42	100		
72	59.3	43.0	64.6
71	54.8	40.1	60.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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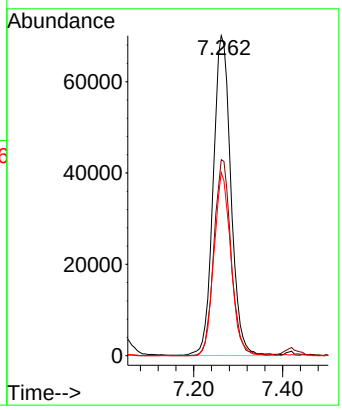
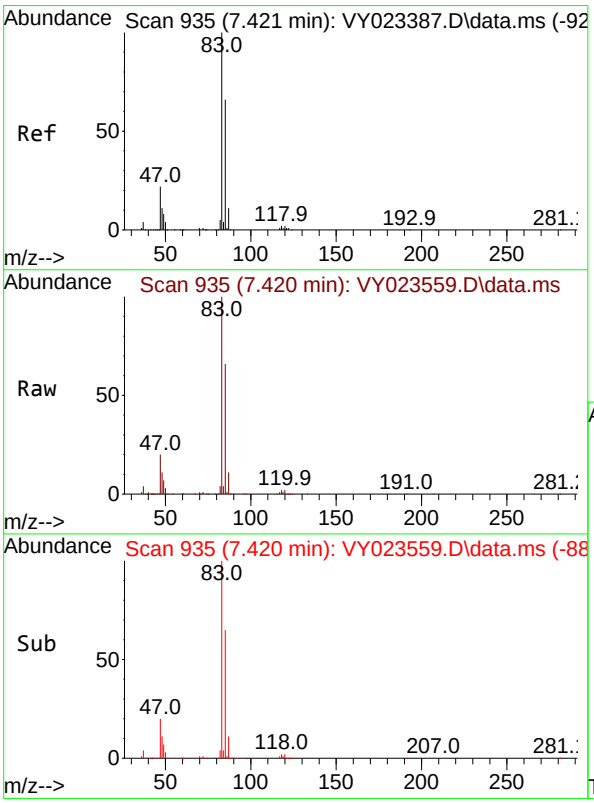
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

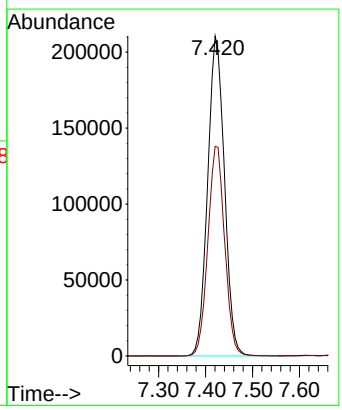


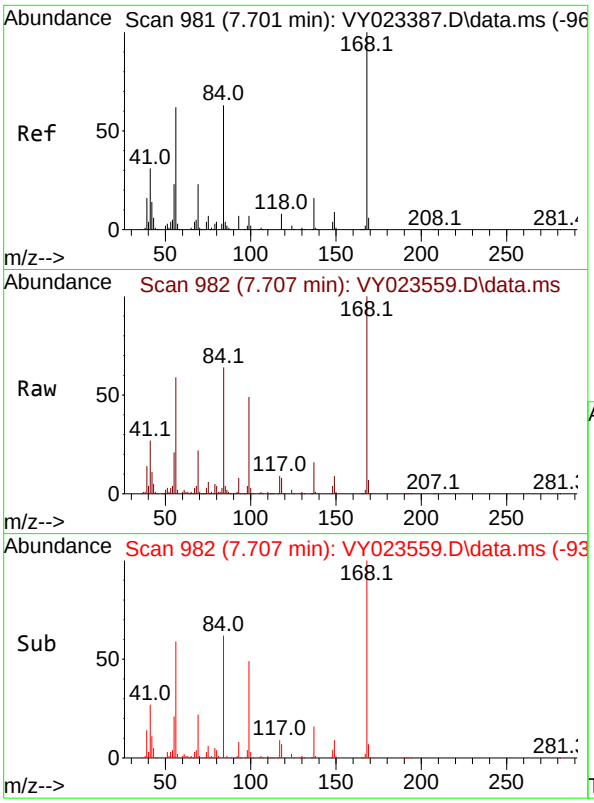


#30
Chloroform
Concen: 53.320 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 83 Resp: 521543

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7

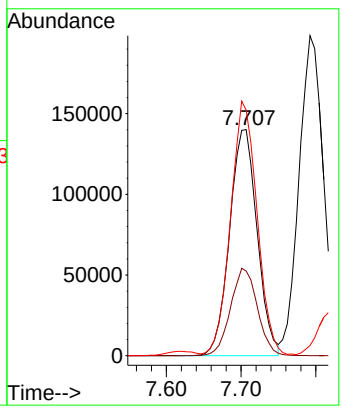




#31
Cyclohexane
Concen: 46.305 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 56 Resp: 36000

Ion	Ratio	Lower	Upper
56	100		
69	37.4	30.0	45.0
84	106.6	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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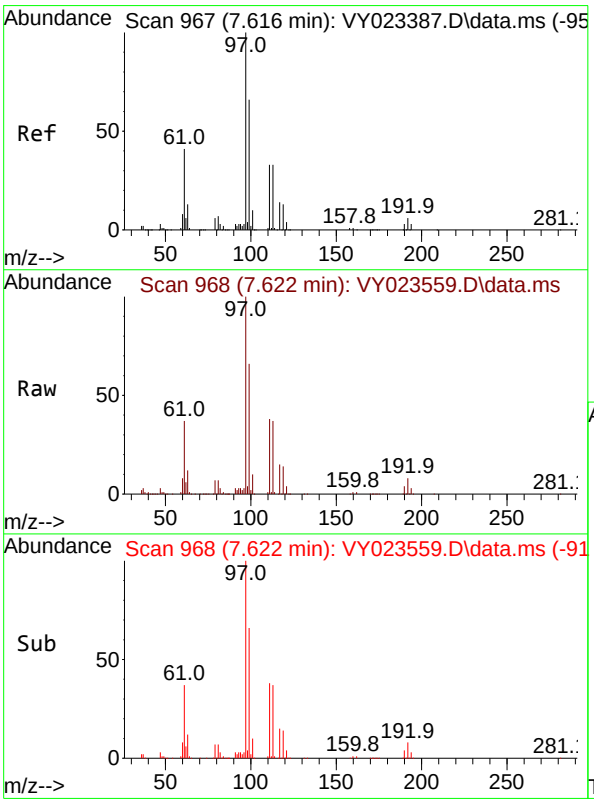
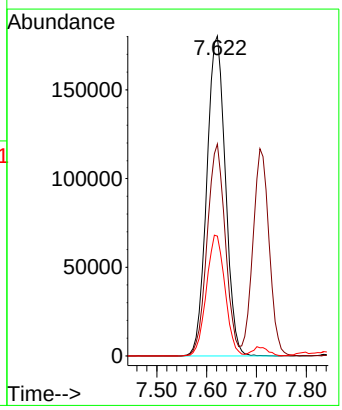
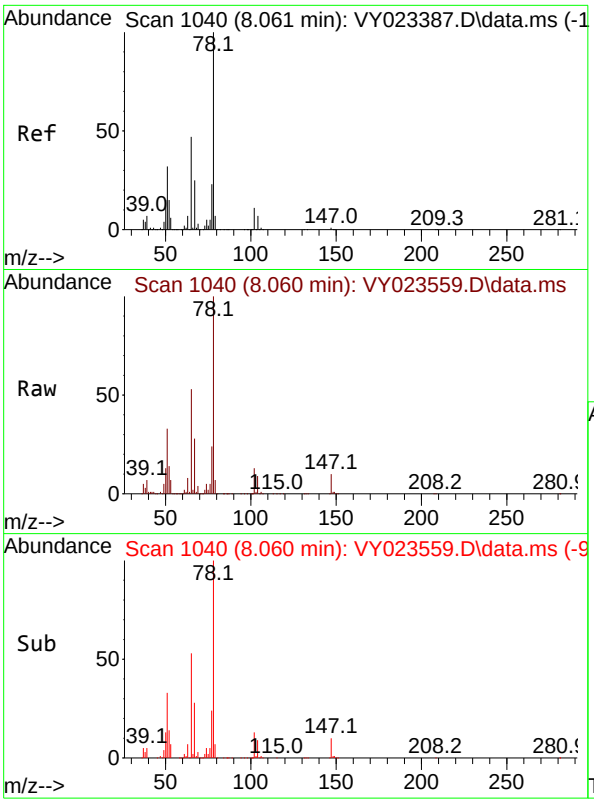


#32
1,1,1-Trichloroethane
Concen: 52.584 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 97 Resp: 467412

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.2
61	37.9	31.9	47.9

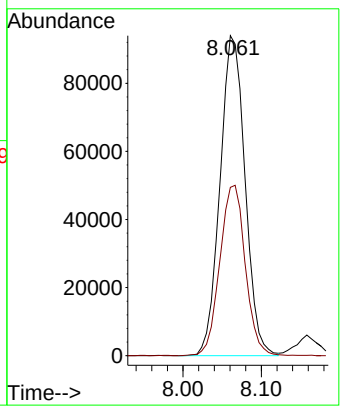




#33
1,2-Dichloroethane-d4
Concen: 44.694 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 65 Resp: 20888

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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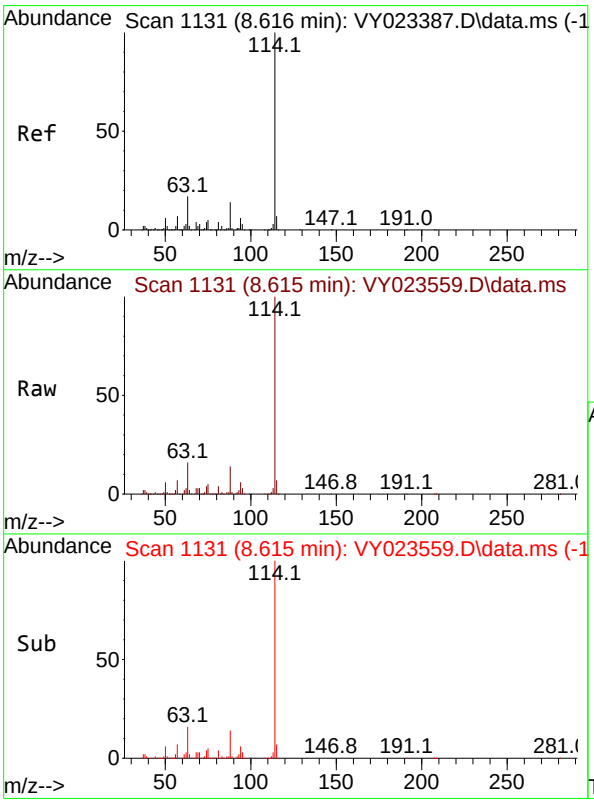
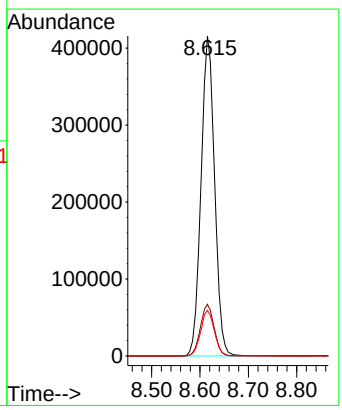
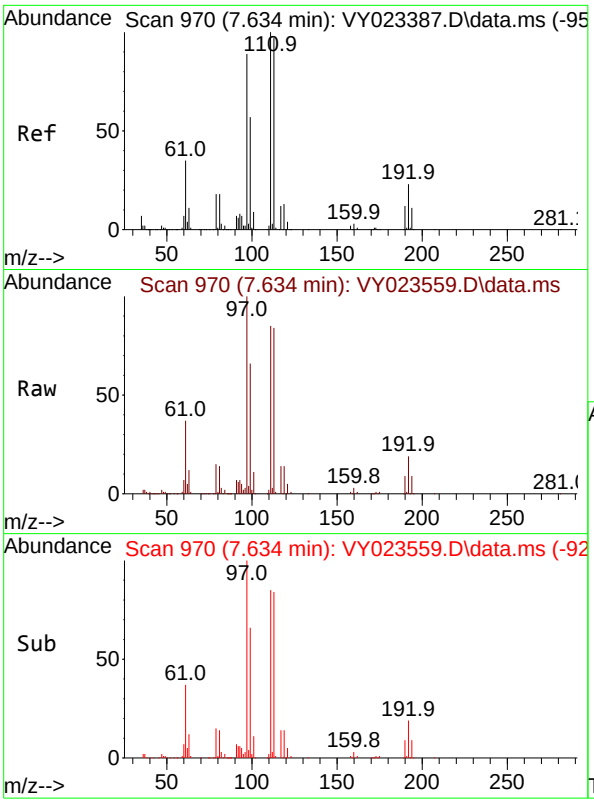


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:114 Resp: 809883

Ion	Ratio	Lower	Upper
114	100		
63	16.1	0.0	34.2
88	14.2	0.0	28.4

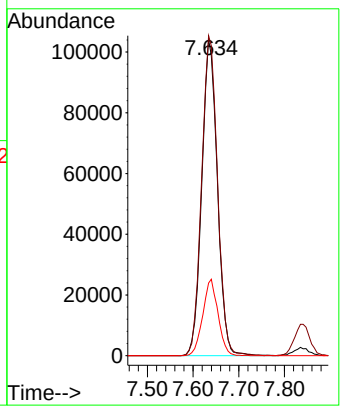




#35
Dibromofluoromethane
Concen: 49.453 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:113 Resp: 24609

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	23.7	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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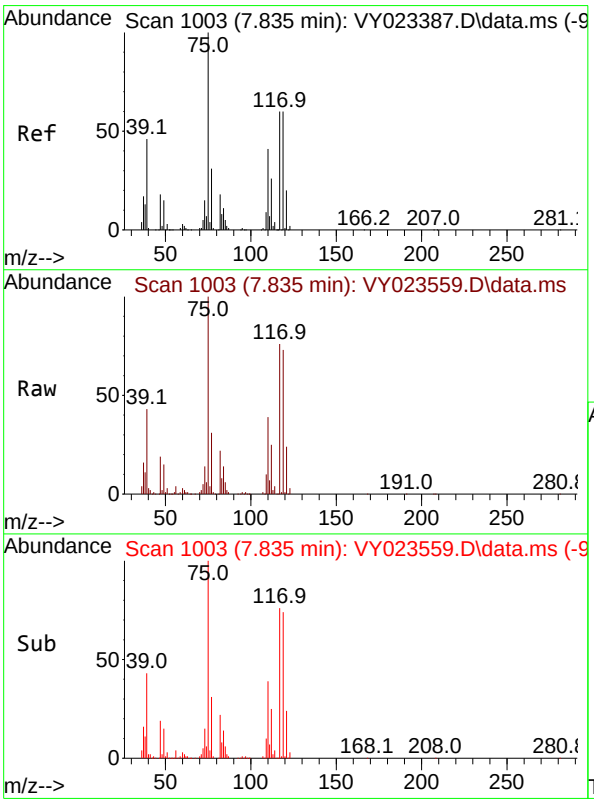
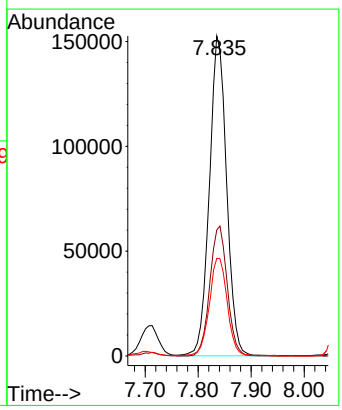
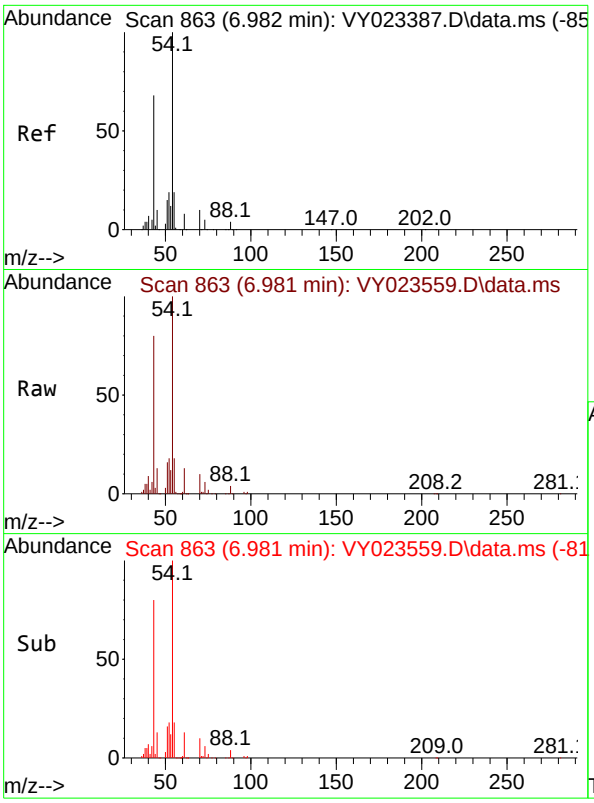


#36
1,1-Dichloropropene
Concen: 52.372 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 75 Resp: 345033

Ion	Ratio	Lower	Upper
75	100		
110	40.9	19.9	59.7
77	31.6	25.0	37.6





#37
Ethyl Acetate
Concen: 50.360 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 43 Resp: 13144

Ion	Ratio	Lower	Upper
43	100		
61	17.1	11.8	17.8
70	14.0	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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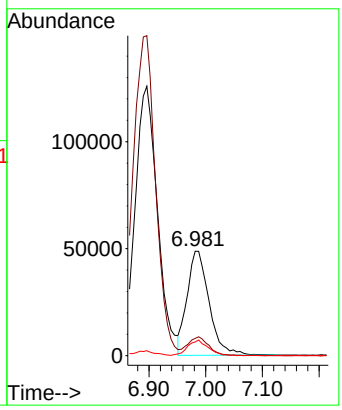
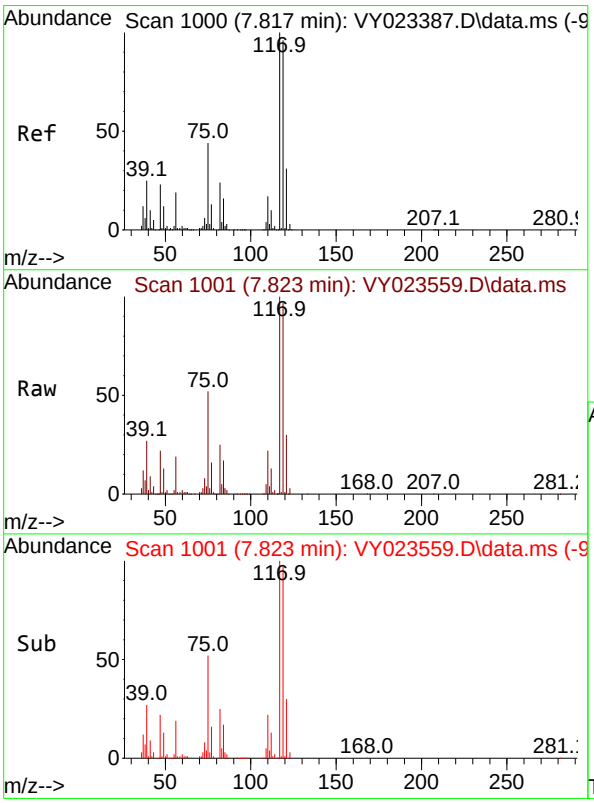
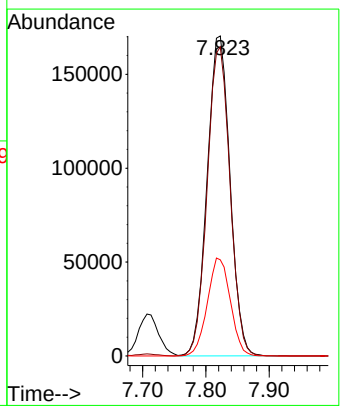


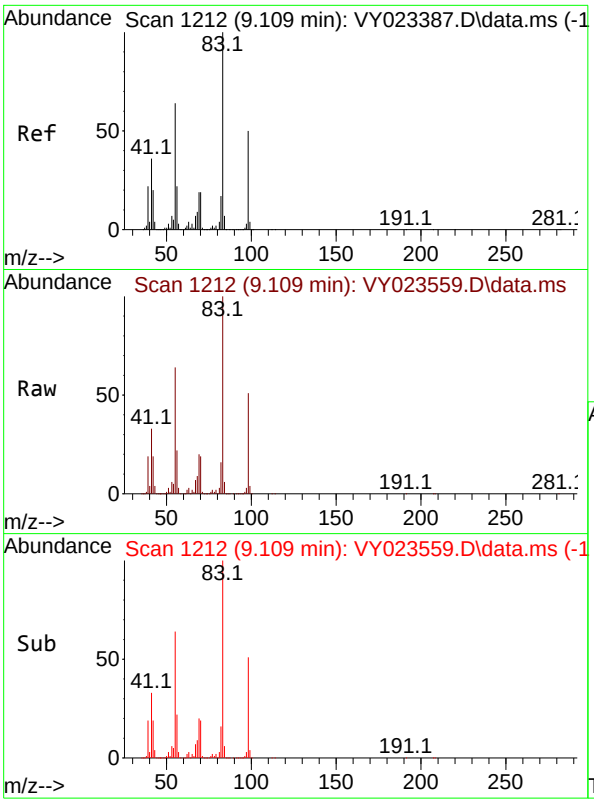


#38
Carbon Tetrachloride
Concen: 53.563 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:117 Resp: 427890

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.8	115.2
121	30.1	24.5	36.7





#39
Methylcyclohexane
Concen: 52.994 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 83 Resp: 45458

Ion	Ratio	Lower	Upper
83	100		
55	63.7	51.4	77.2
98	50.6	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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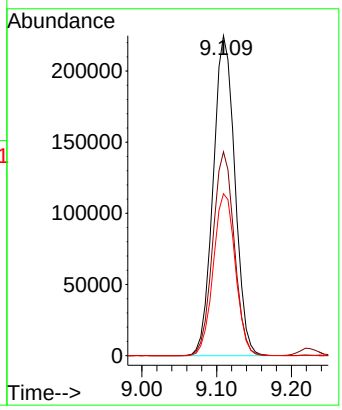
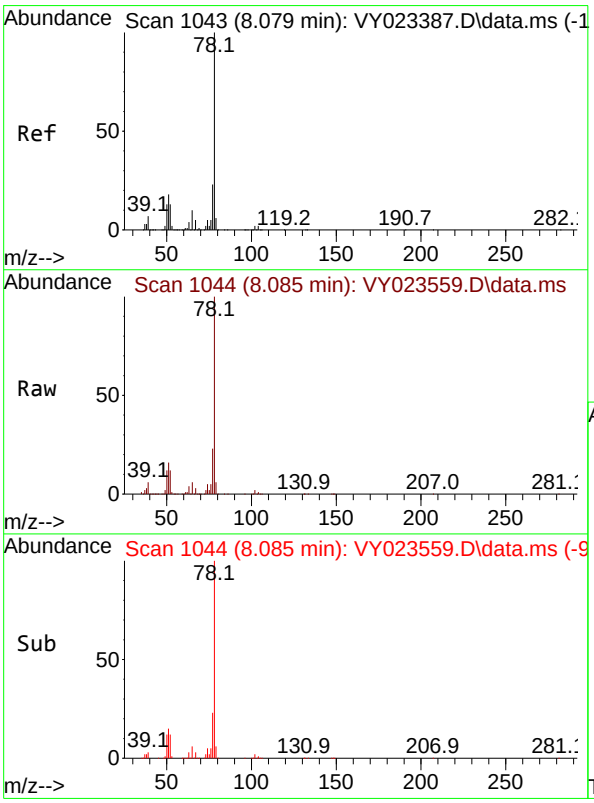
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

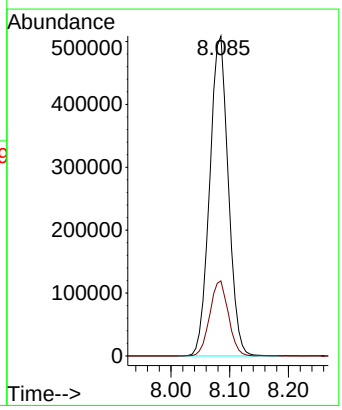


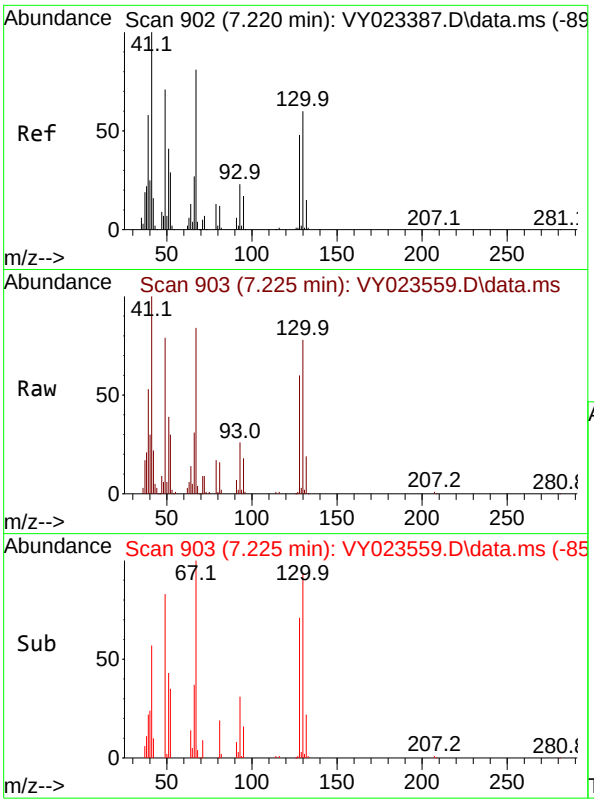


#40
Benzene
Concen: 53.575 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 78 Resp: 1117791

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5

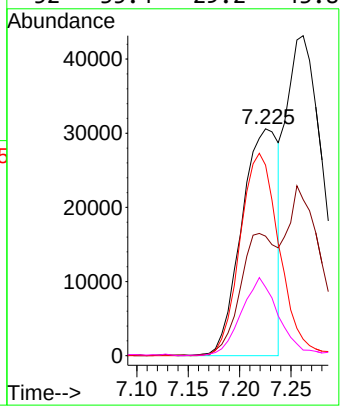




#41
Methacrylonitrile
Concen: 54.008 ug/l
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 41 Resp: 7623

Ion	Ratio	Lower	Upper
41	100		
39	53.8	52.2	78.4
67	95.9	74.9	112.3
52	35.4	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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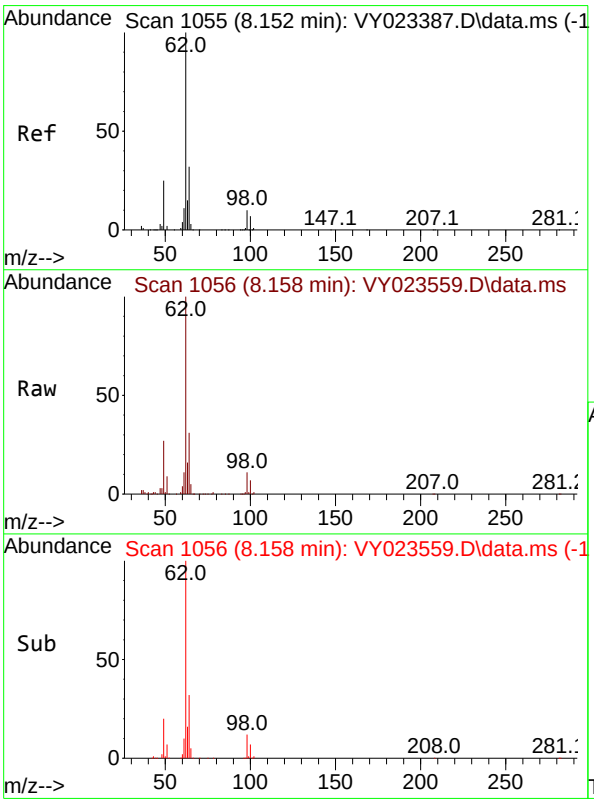
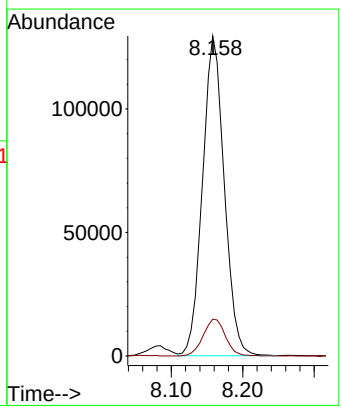
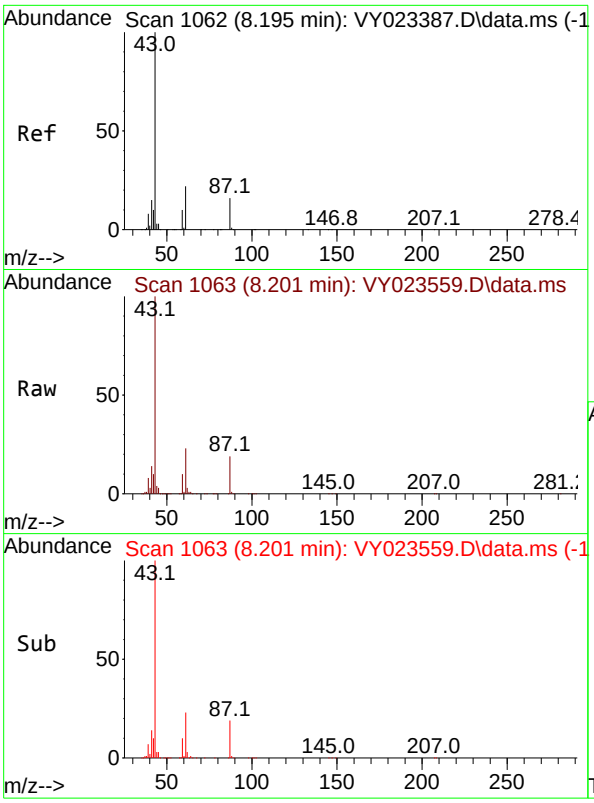


#42
1,2-Dichloroethane
Concen: 50.864 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 62 Resp: 273693

Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.6





#43
Isopropyl Acetate
Concen: 52.107 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 43 Resp: 27118

Ion	Ratio	Lower	Upper
43	100		
61	34.4	18.1	27.1
87	18.0	13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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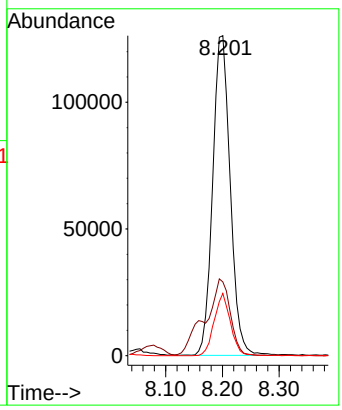
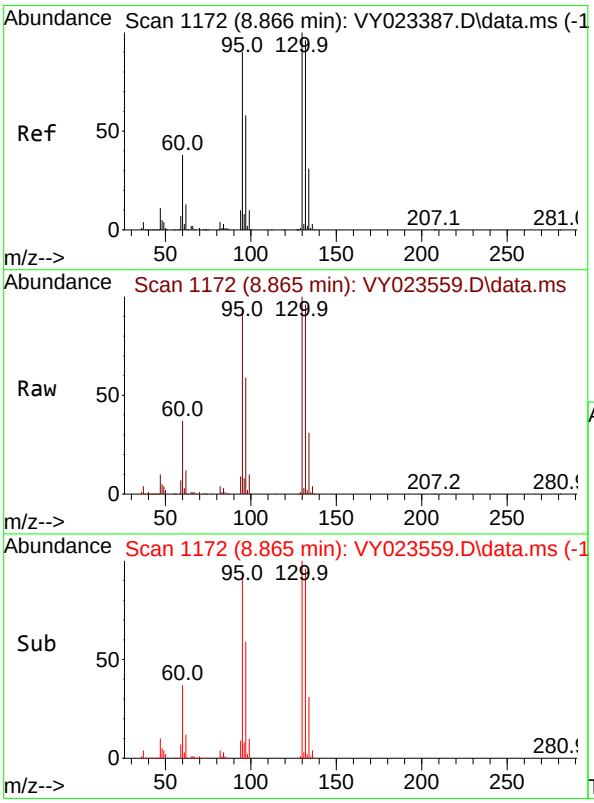
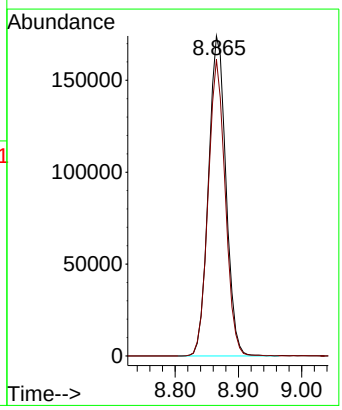


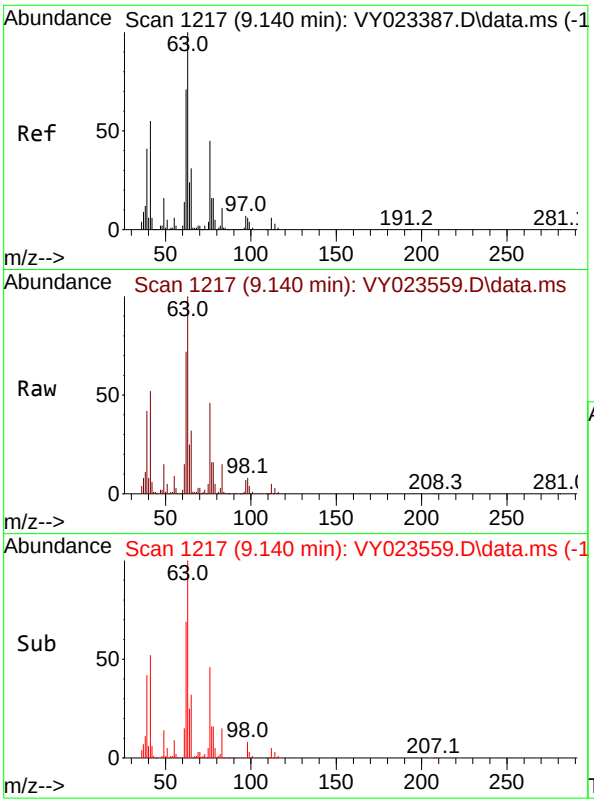


#44
Trichloroethene
Concen: 54.817 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:130 Resp: 334751

Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	180.6

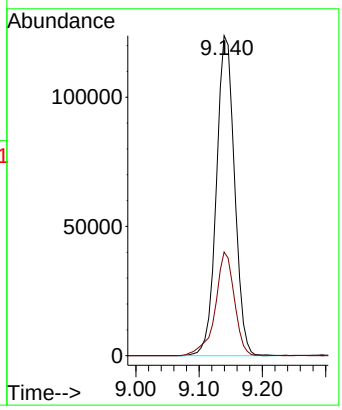




#45
1,2-Dichloropropane
Concen: 53.397 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 63 Resp: 24607

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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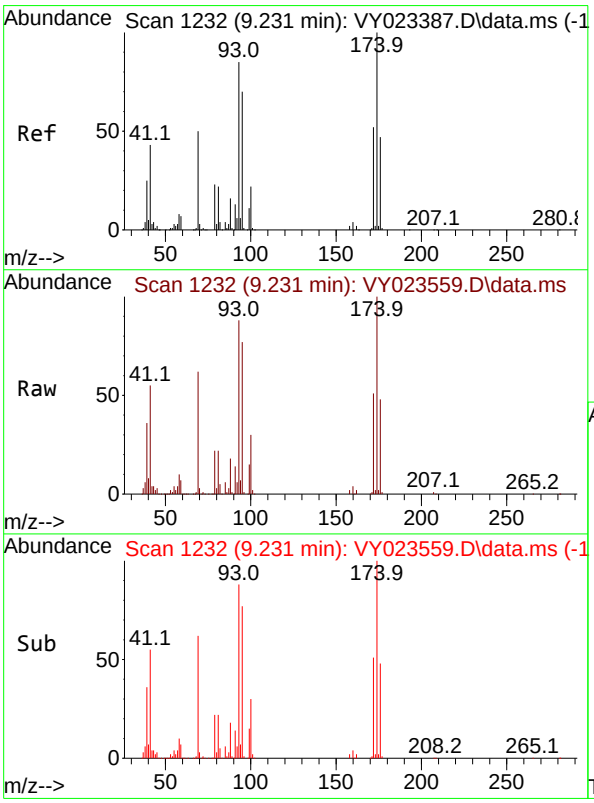
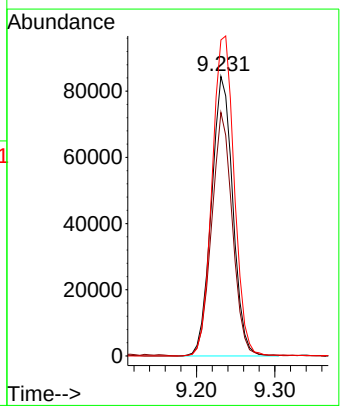
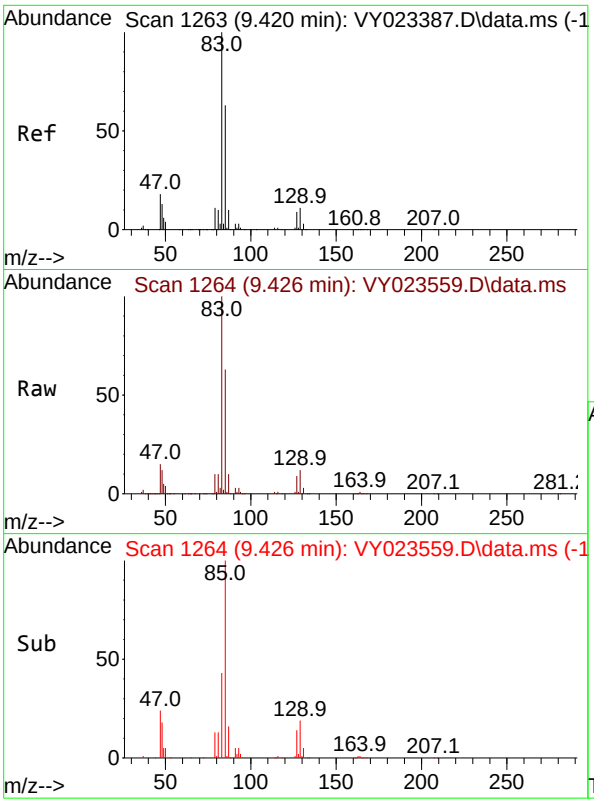


#46
Dibromomethane
Concen: 54.988 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 93 Resp: 160236

Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.4	98.0
174	118.2	92.9	139.3

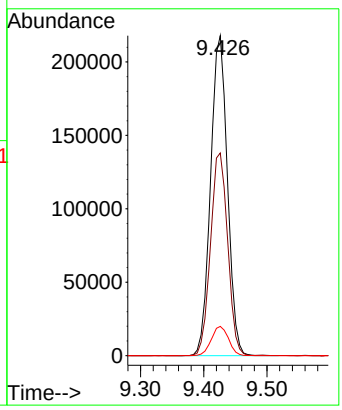




#47
Bromodichloromethane
Concen: 54.883 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 83 Resp: 40279

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.8	76.2
127	9.1	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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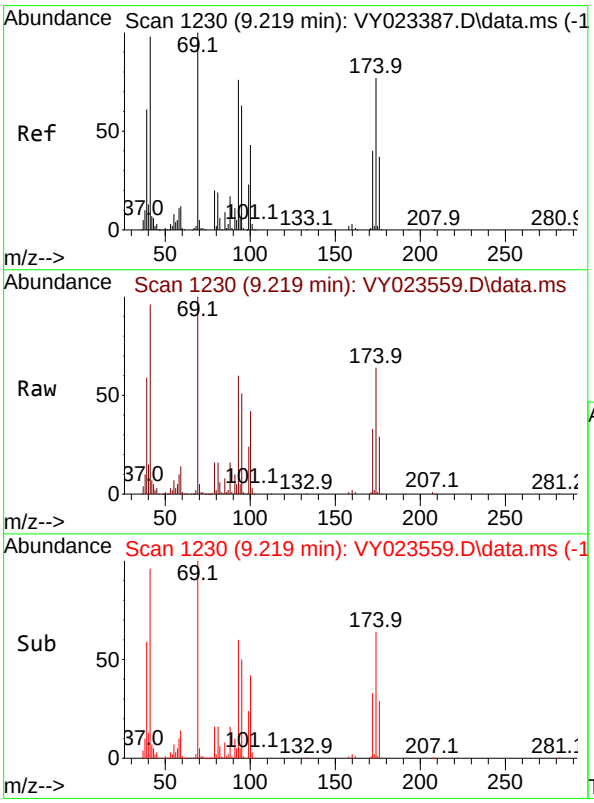
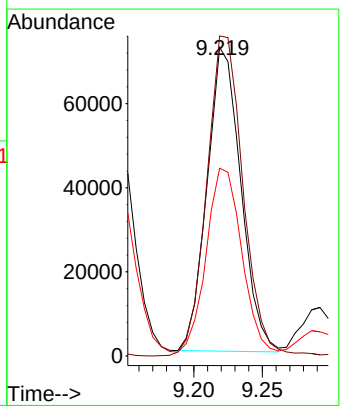
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

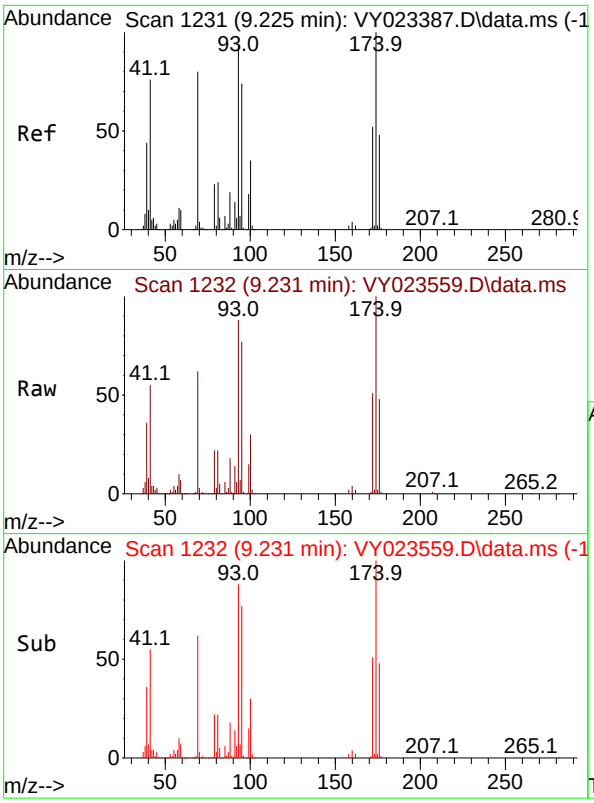


#48
Methyl methacrylate
Concen: 50.755 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 41 Resp: 124097

Ion	Ratio	Lower	Upper
41	100		
69	113.4	81.0	121.4
39	65.5	48.2	72.4





#49
1,4-Dioxane
Concen: 1146.304 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 88 Resp: 3872

Ion	Ratio	Lower	Upper
88	100		
43	24.0	21.8	32.8
58	54.3	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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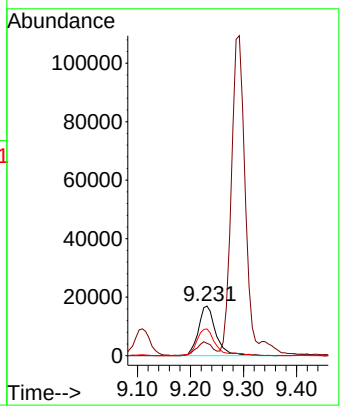
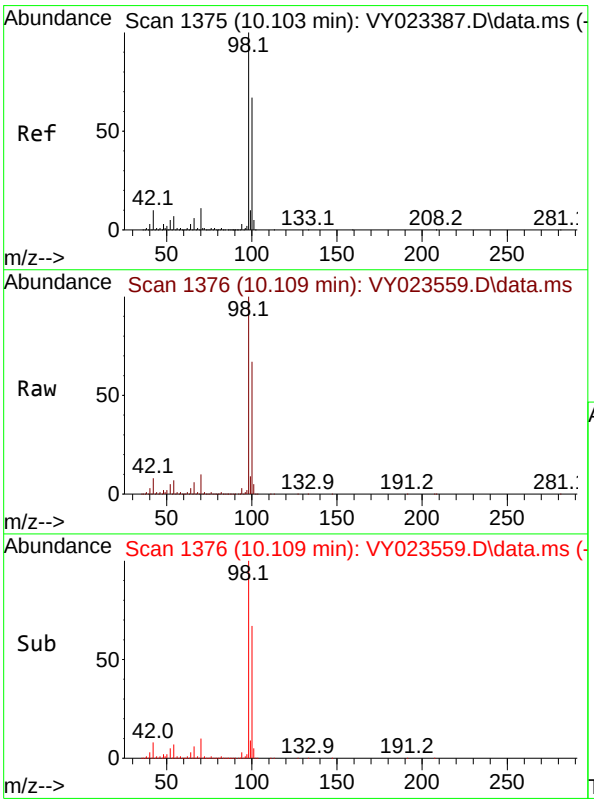
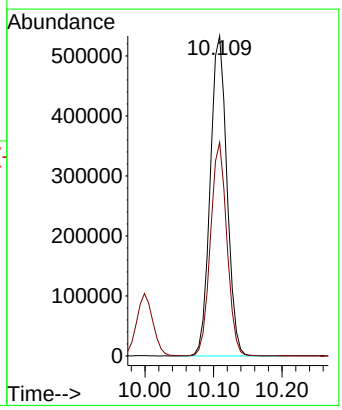


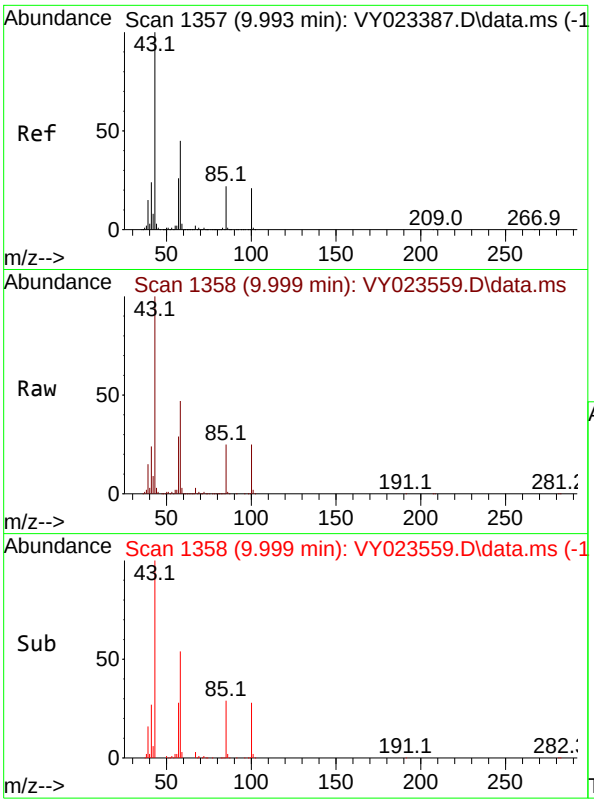


#50
Toluene-d8
Concen: 48.722 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 98 Resp: 902938

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.4

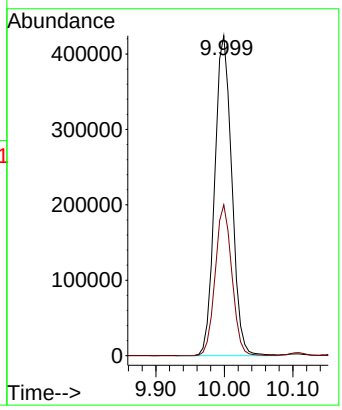




#51
4-Methyl-2-Pentanone
Concen: 272.142 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 43 Resp: 73178

Ion	Ratio	Lower	Upper
43	100		
58	46.0	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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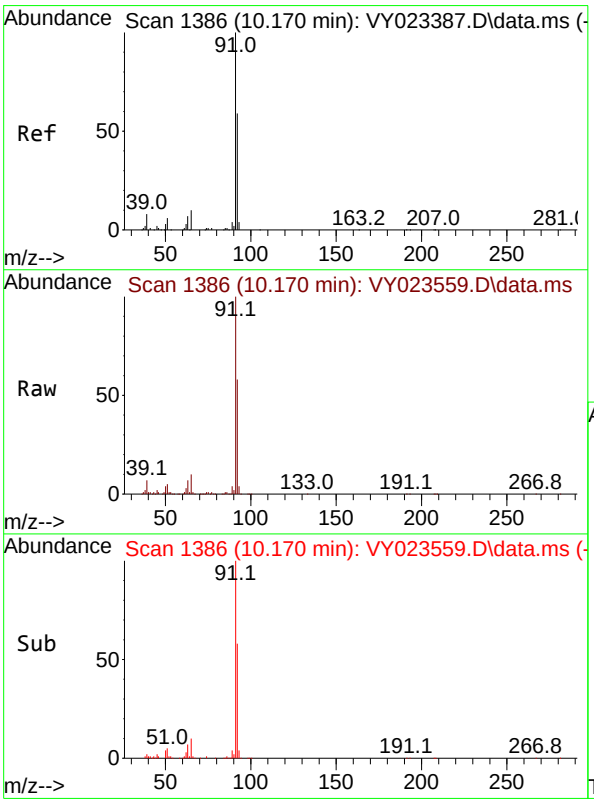
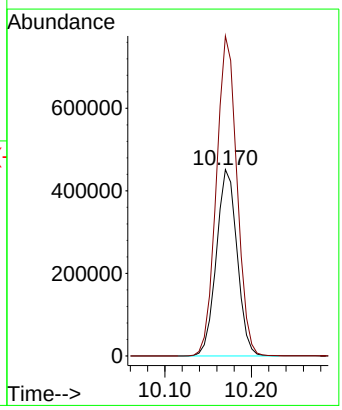
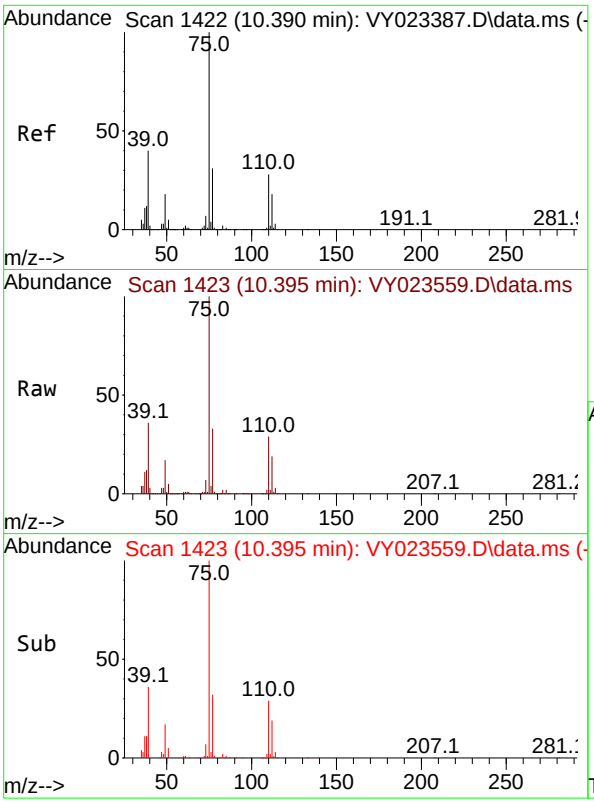


#52
Toluene
Concen: 55.476 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 92 Resp: 751520

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.4	204.6

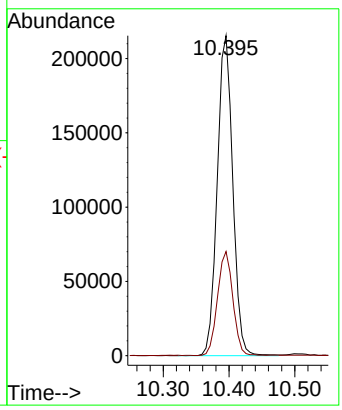




#53
t-1,3-Dichloropropene
Concen: 55.385 ug/l
RT: 10.395 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 75 Resp: 353434

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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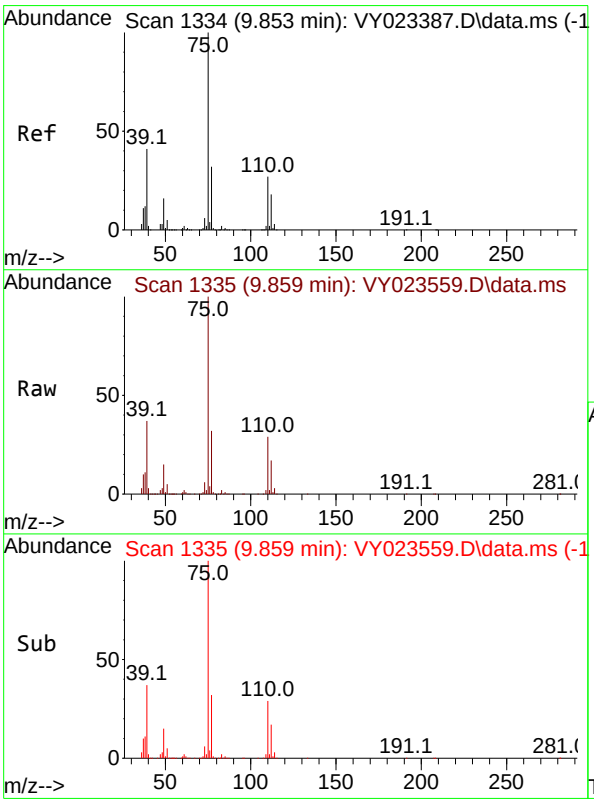
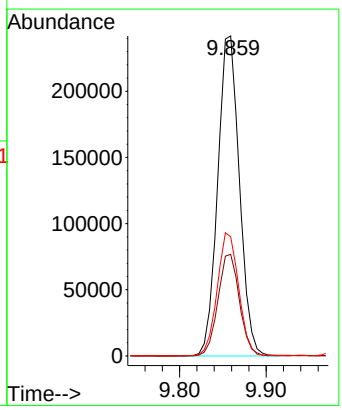
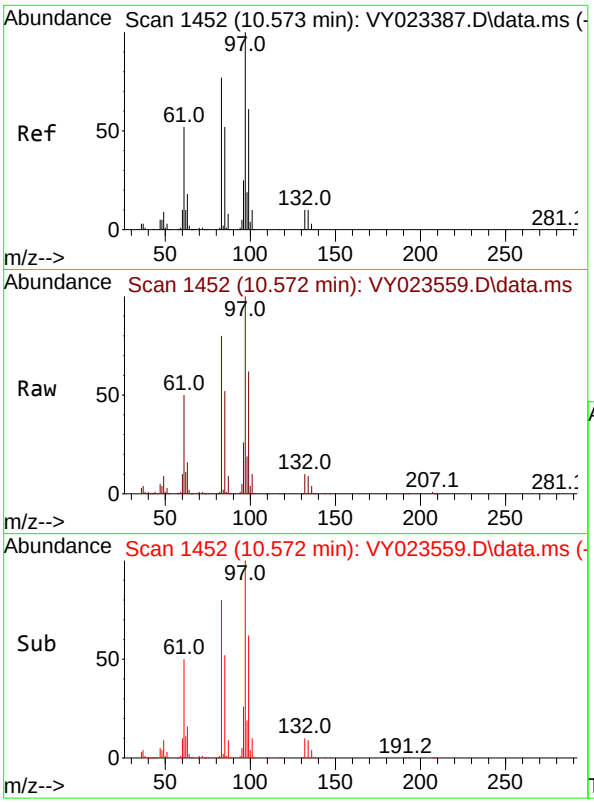


#54
cis-1,3-Dichloropropene
Concen: 55.911 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 75 Resp: 421103

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	37.2	32.8	49.2

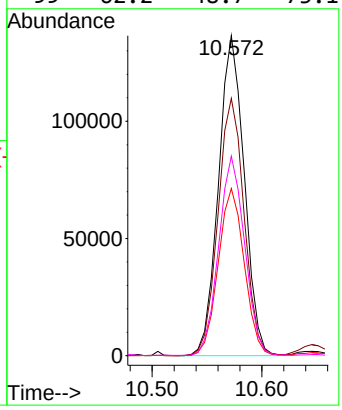




#55
1,1,2-Trichloroethane
Concen: 56.837 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 97 Resp: 22272

Ion	Ratio	Lower	Upper
97	100		
83	80.4	61.8	92.6
85	52.2	41.3	61.9
99	62.2	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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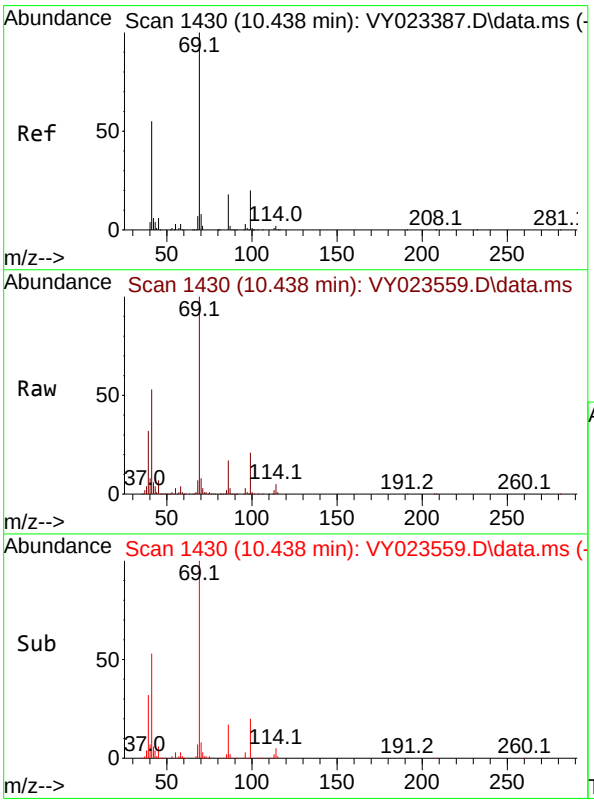
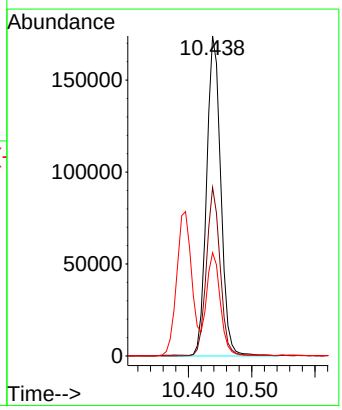
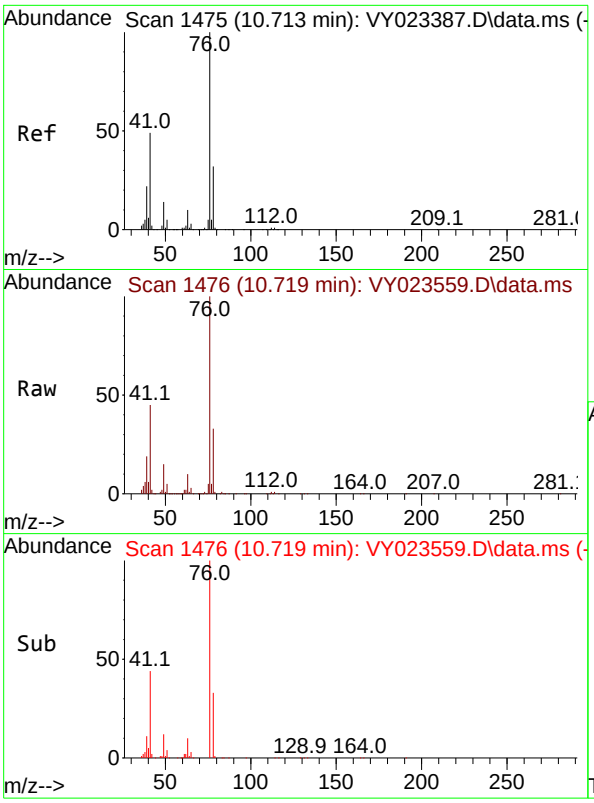


#56
Ethyl methacrylate
Concen: 60.107 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 69 Resp: 271697

Ion	Ratio	Lower	Upper
69	100		
41	50.3	44.6	67.0
39	30.8	27.0	40.4





#57
1,3-Dichloropropane
Concen: 55.727 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 76 Resp: 34603

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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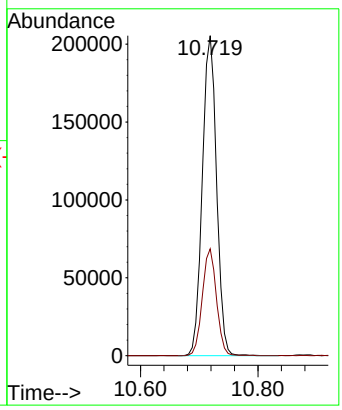
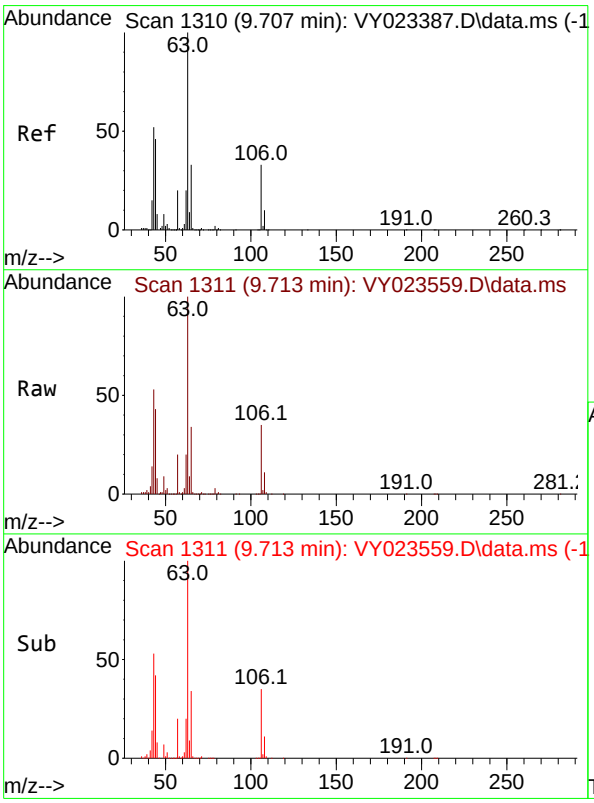
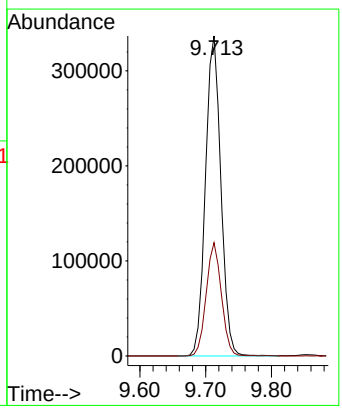


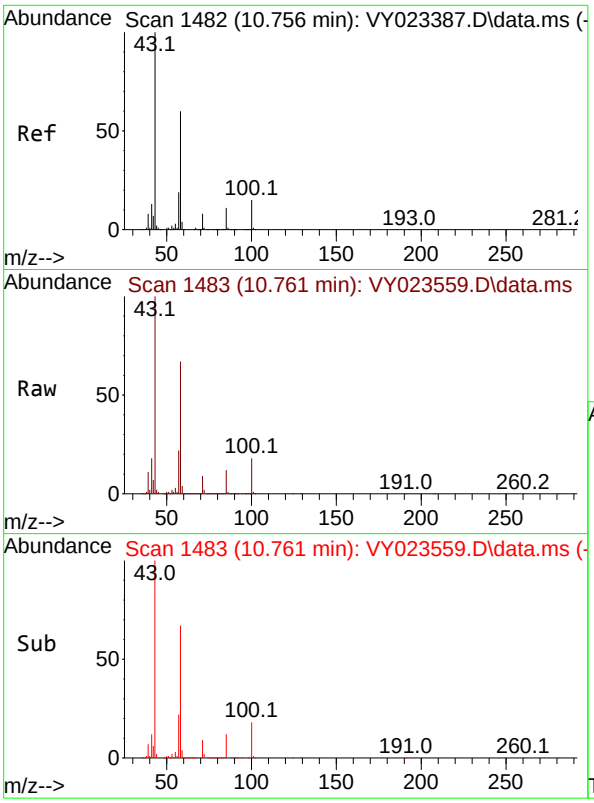


#58
2-Chloroethyl Vinyl ether
Concen: 270.556 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 63 Resp: 547857

Ion	Ratio	Lower	Upper
63	100		
106	34.9	26.6	39.8





#59
2-Hexanone
Concen: 275.001 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 43 Resp: 52846

Ion	Ratio	Lower	Upper
43	100		
58	64.6	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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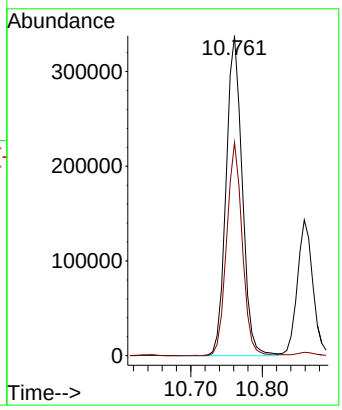
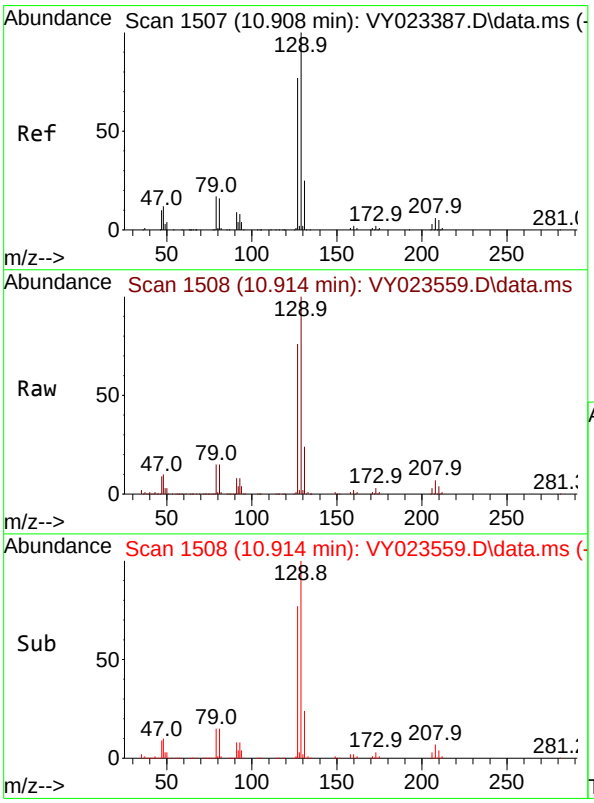
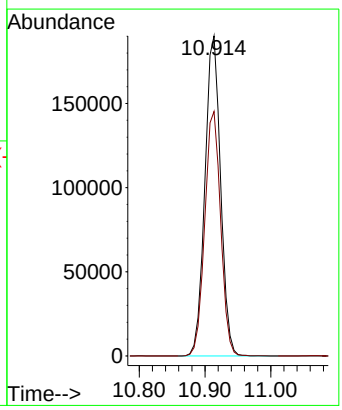


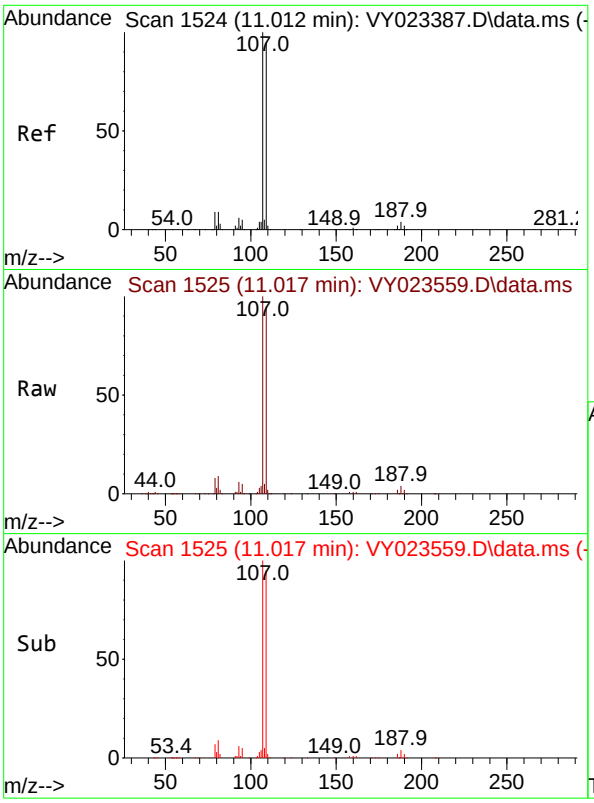


#60
Dibromochloromethane
Concen: 57.348 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:129 Resp: 315067

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.7





#61
1,2-Dibromoethane
Concen: 57.024 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:107 Resp: 21310

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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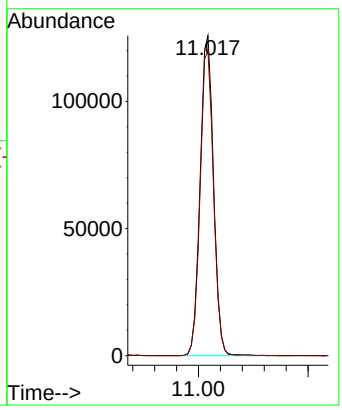
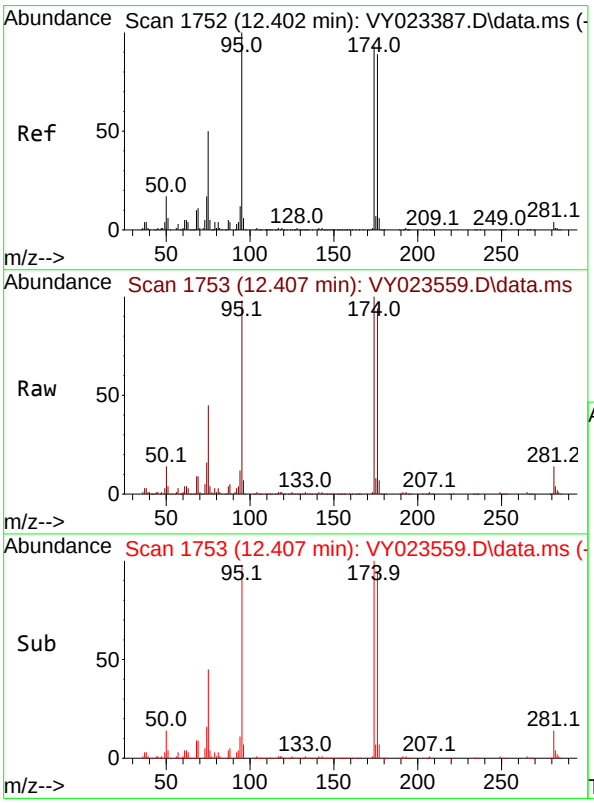
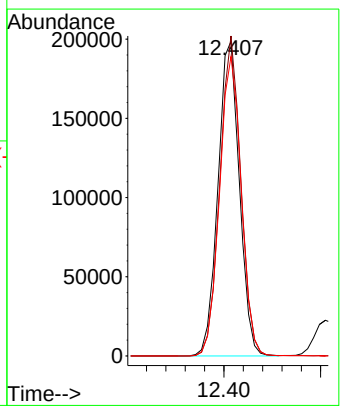


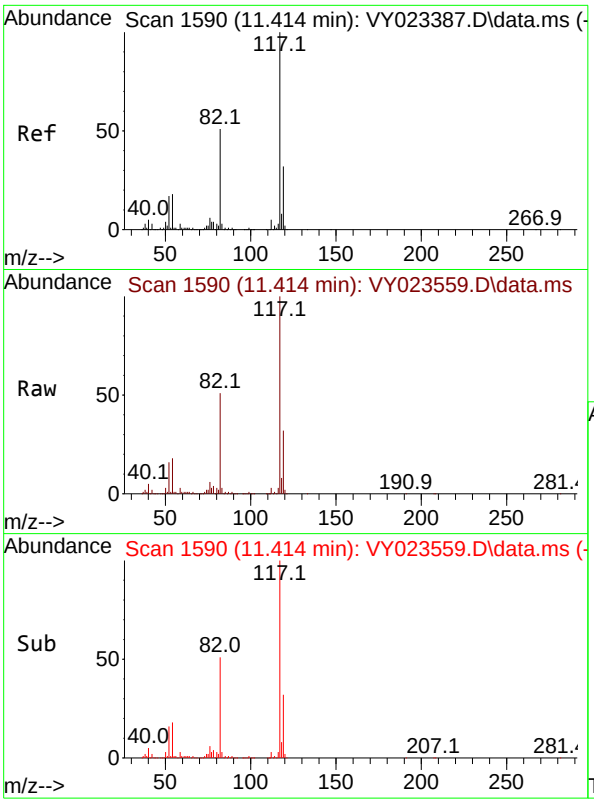


#62
4-Bromofluorobenzene
Concen: 49.801 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 95 Resp: 304706

Ion	Ratio	Lower	Upper
95	100		
174	99.5	0.0	192.8
176	96.3	0.0	187.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:117 Resp: 71262

Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.0	61.4
119	32.3	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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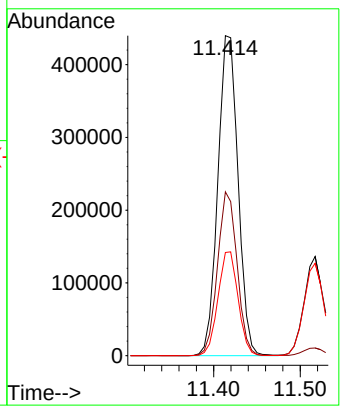
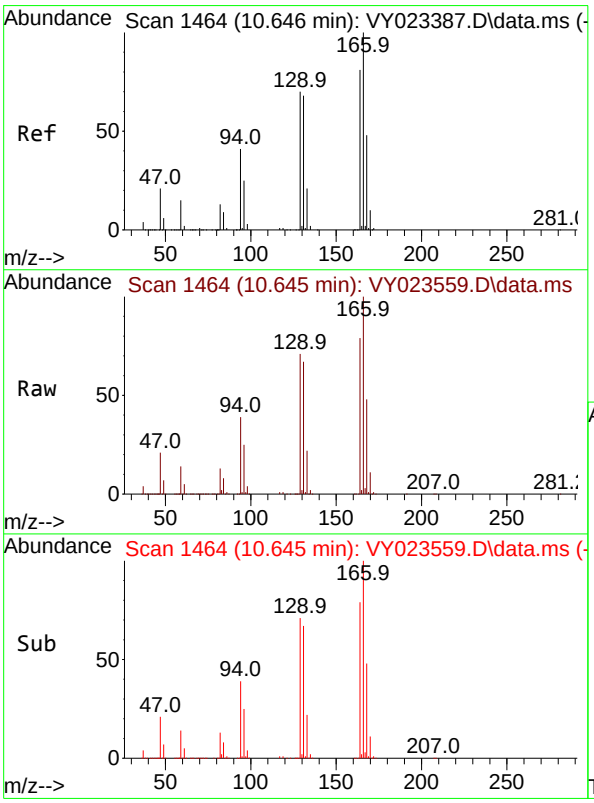
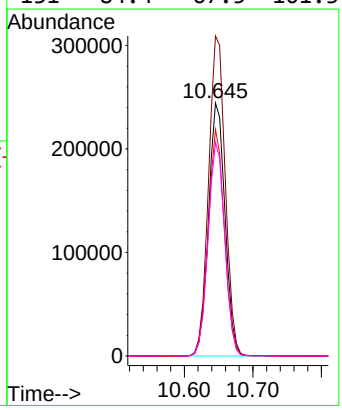


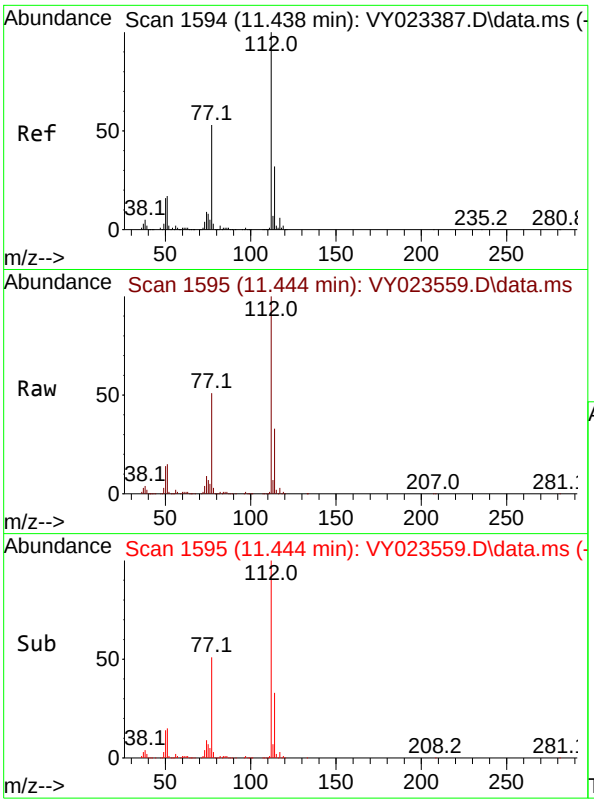


#64
Tetrachloroethene
Concen: 55.753 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:164 Resp: 410235

Ion	Ratio	Lower	Upper
164	100		
166	126.5	99.4	149.0
129	89.5	69.4	104.2
131	84.4	67.5	101.3





#65
Chlorobenzene
Concen: 56.267 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:112 Resp: 87209

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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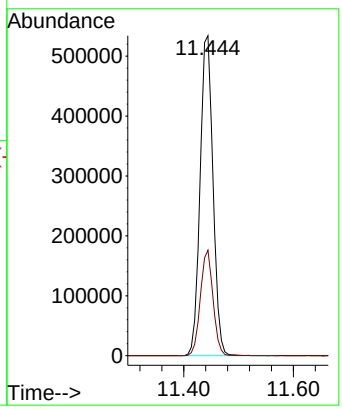
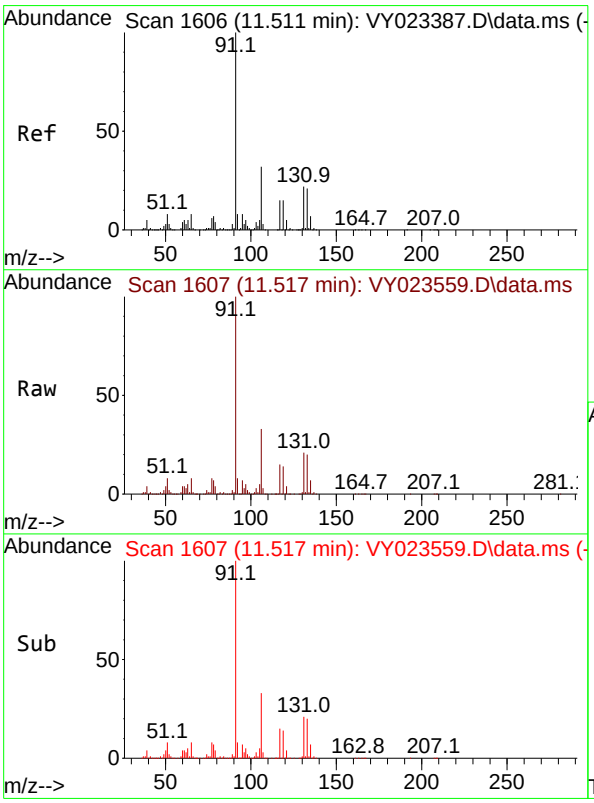
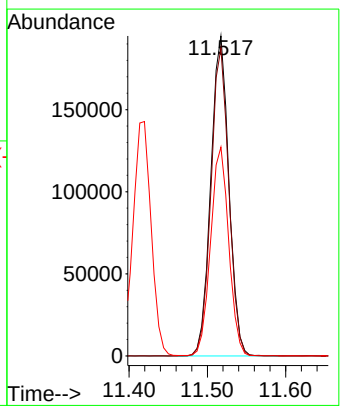


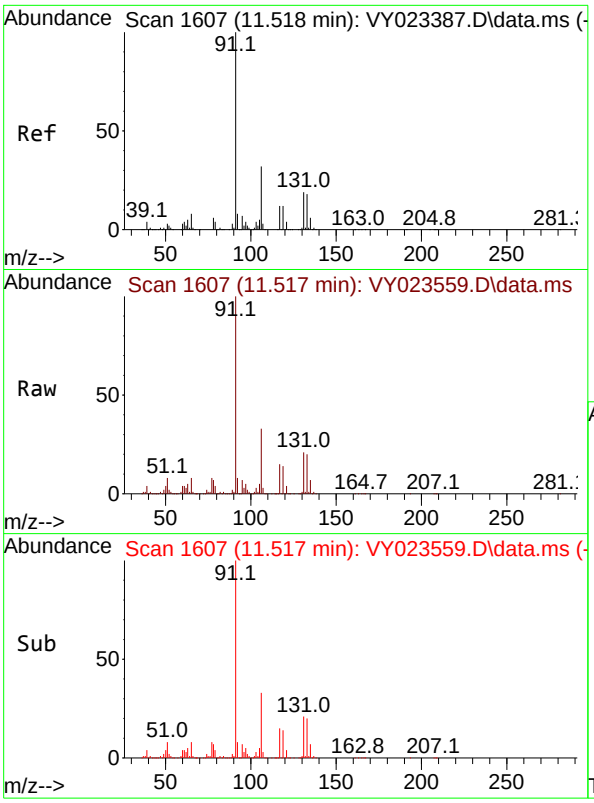


#66
1,1,1,2-Tetrachloroethane
Concen: 56.479 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:131 Resp: 311946

Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.4	145.2
119	65.6	32.4	97.2

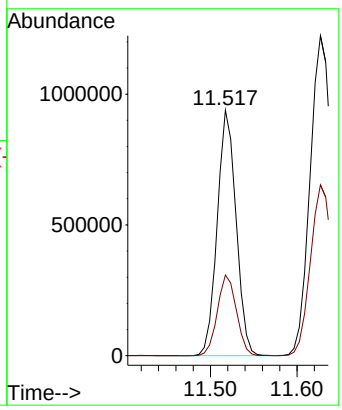




#67
Ethyl Benzene
Concen: 56.546 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 91 Resp: 141864

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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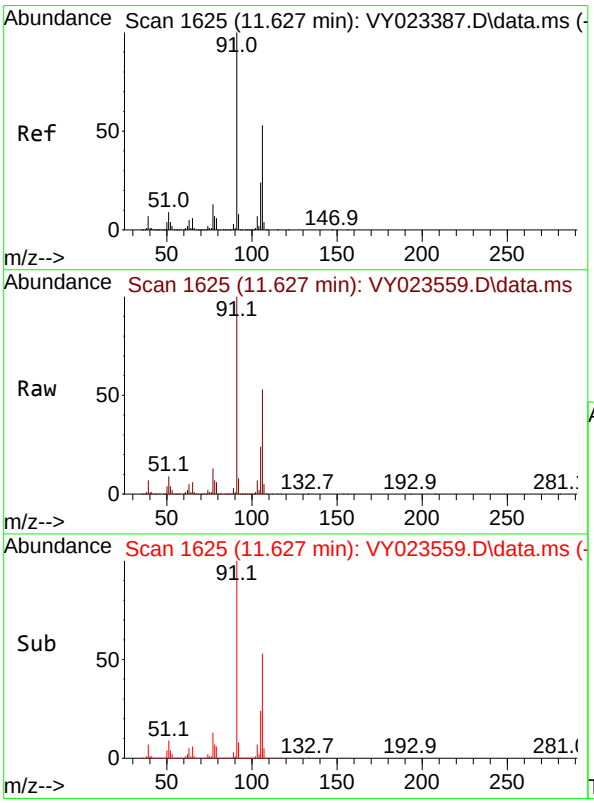
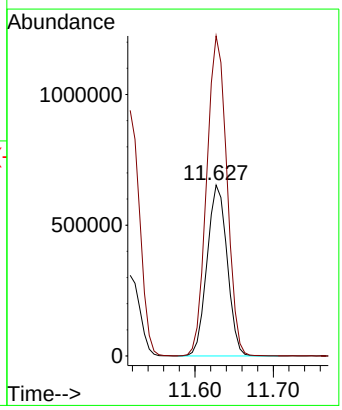
Supervised By :Mahesh Dadoda 10/27/2025

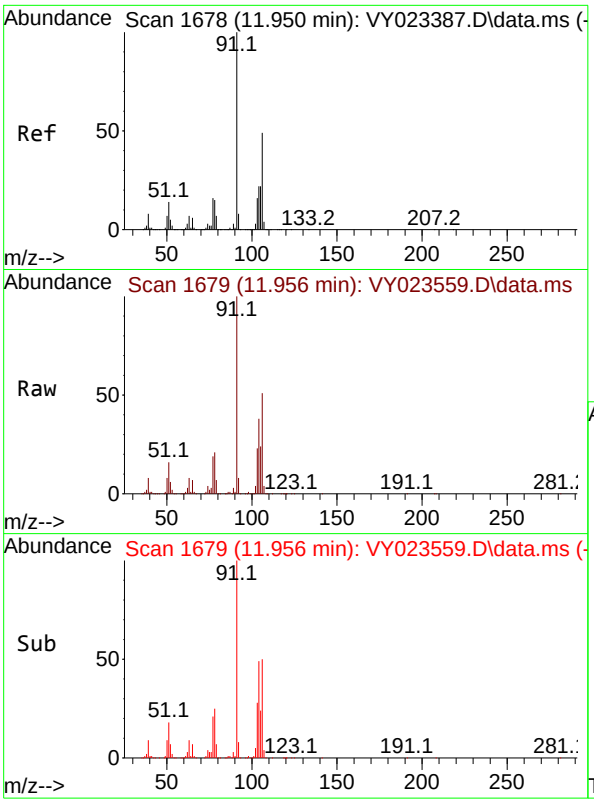


#68
m/p-Xylenes
Concen: 115.537 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:106 Resp: 1162639

Ion	Ratio	Lower	Upper
106	100		
91	188.2	152.6	229.0

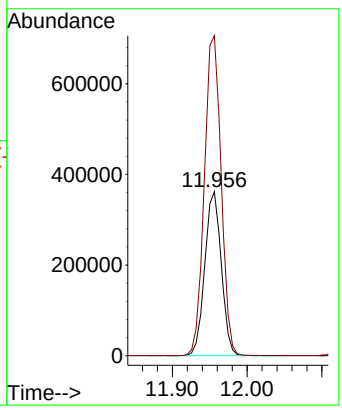




#69
o-Xylene
Concen: 58.810 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:106 Resp: 55508

Ion	Ratio	Lower	Upper
106	100		
91	198.6	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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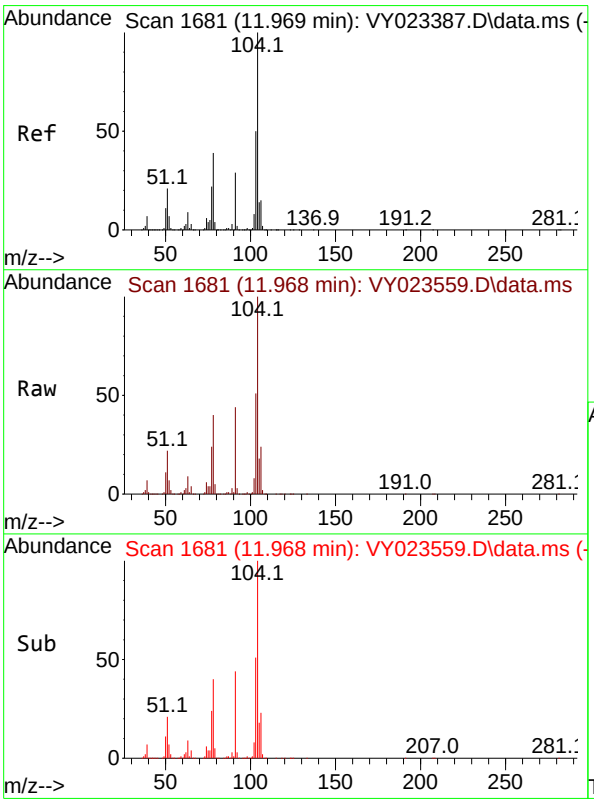
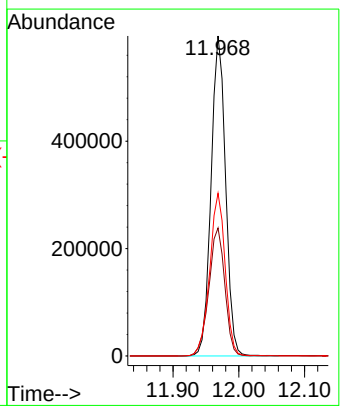
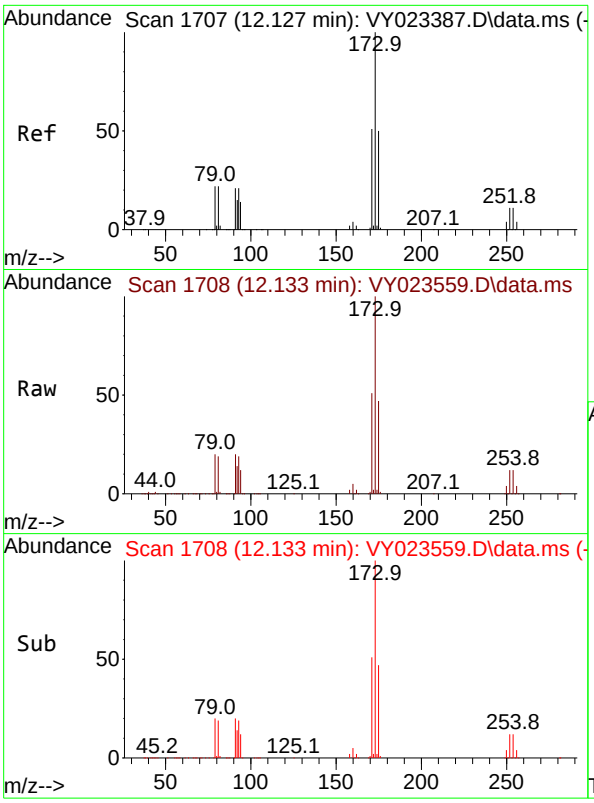


#70
Styrene
Concen: 58.986 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:104 Resp: 915552

Ion	Ratio	Lower	Upper
104	100		
78	44.1	36.1	54.1
103	54.3	43.2	64.8





#71
Bromoform
Concen: 57.877 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:173 Resp: 19828

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.2	0.1	0.1#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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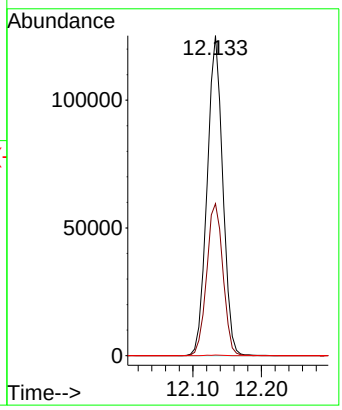
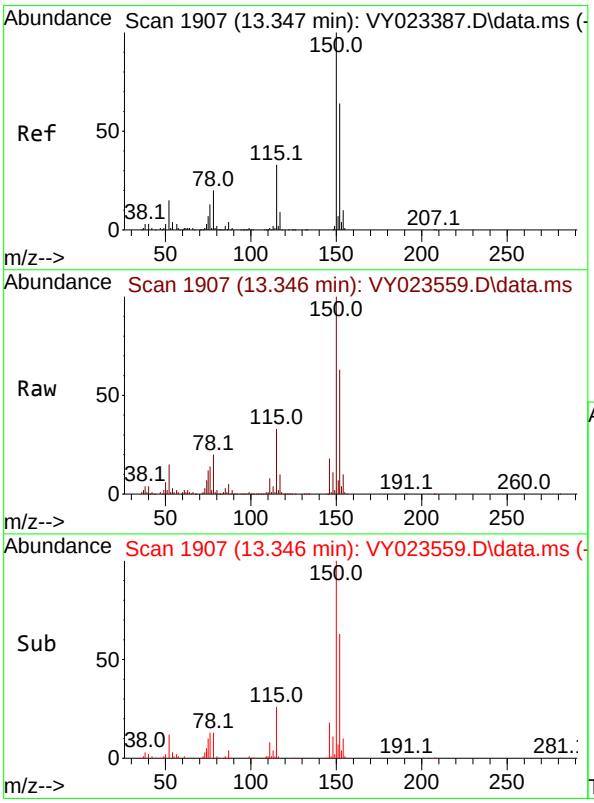
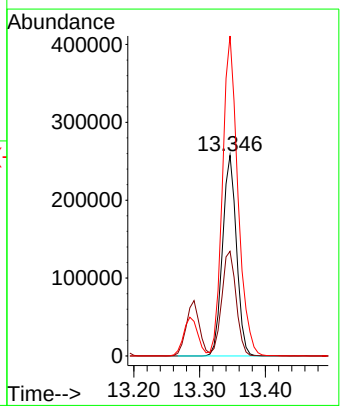


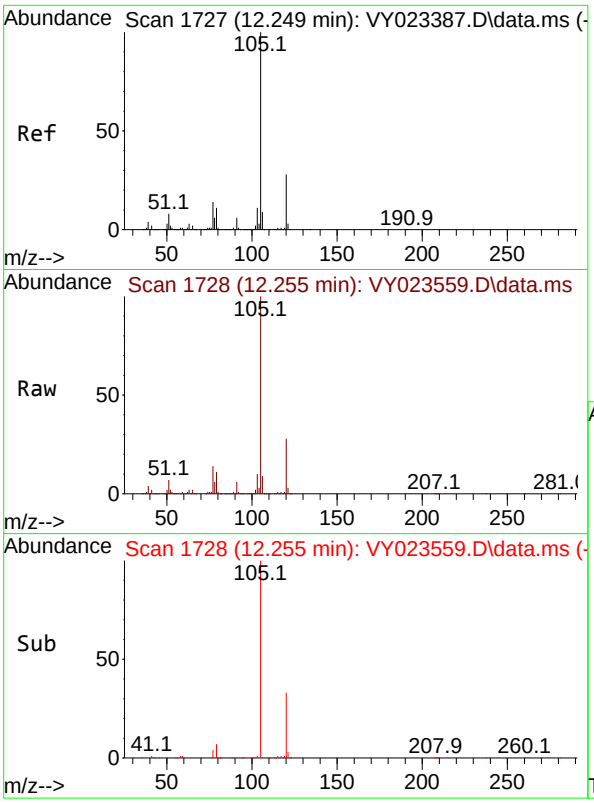


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:152 Resp: 380279

Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.1	81.2
150	177.0	0.0	347.4

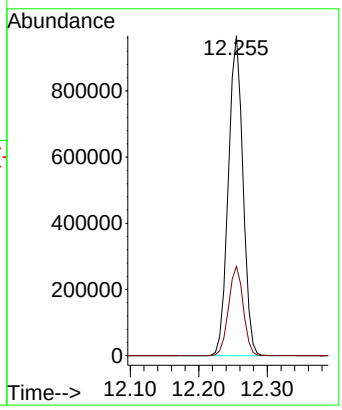




#73
Isopropylbenzene
Concen: 56.959 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:105 Resp: 142744

Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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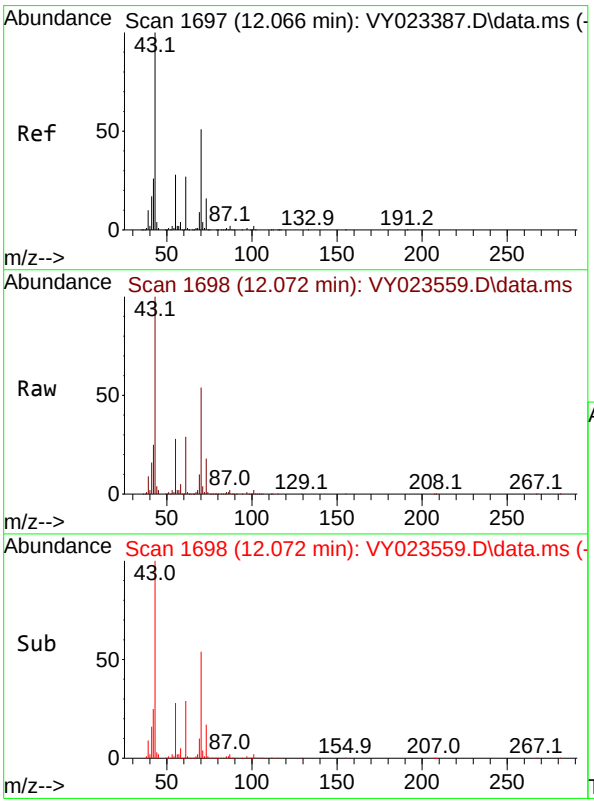
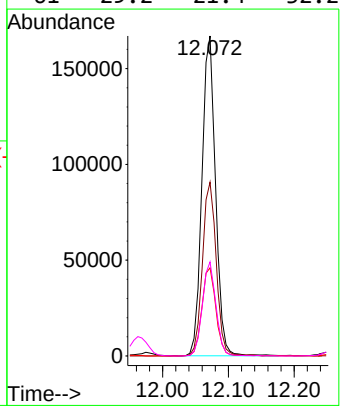
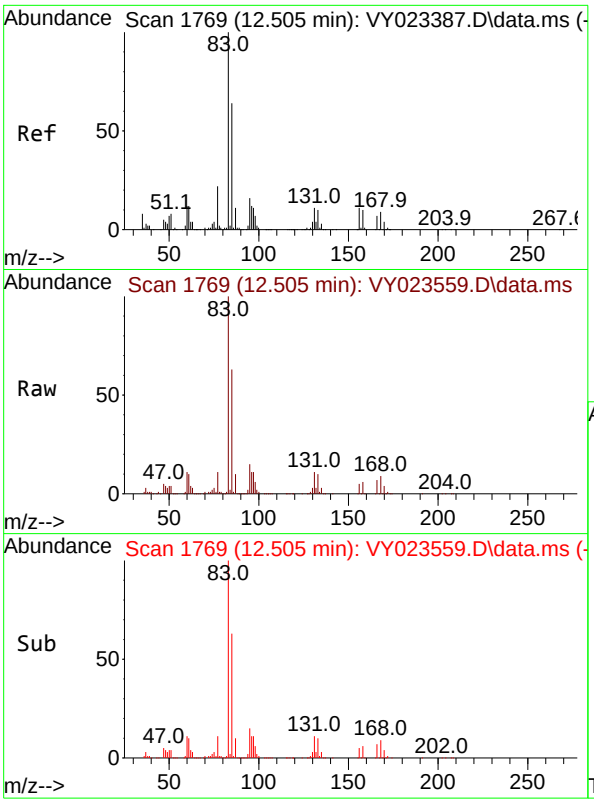


#74
N-amyl acetate
Concen: 53.438 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 43 Resp: 240539

Ion	Ratio	Lower	Upper
43	100		
70	55.3	41.1	61.7
55	28.4	23.0	34.6
61	29.2	21.4	32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 55.639 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 83 Resp: 22805

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.9	17.6
85	65.0	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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Reviewed By :Amit Patel 10/27/2025
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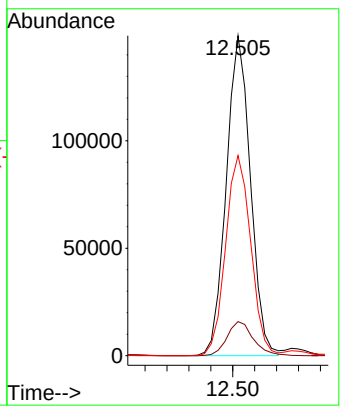
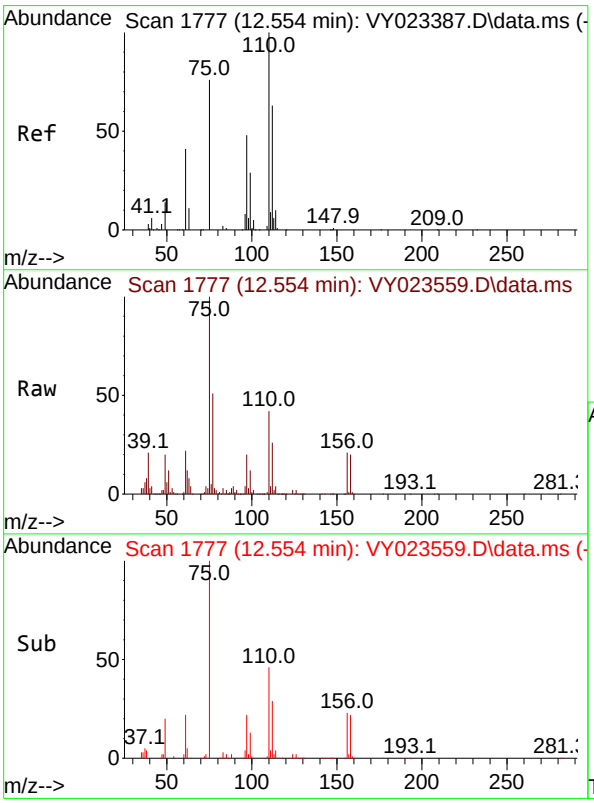
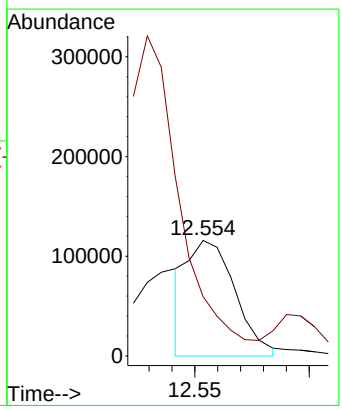


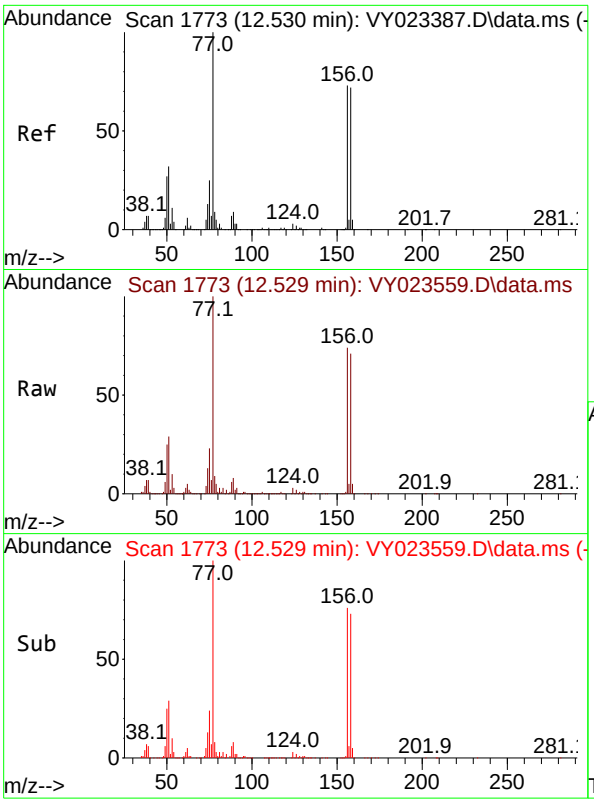


#76
1,2,3-Trichloropropane
Concen: 50.142 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 75 Resp: 168230

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

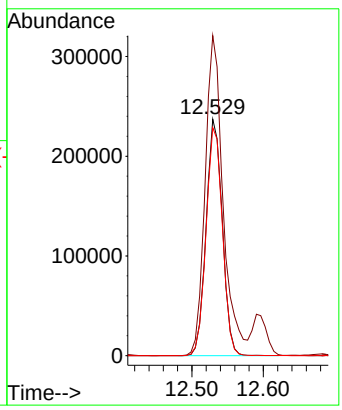




#77
Bromobenzene
Concen: 55.922 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:156 Resp: 37257

Ion	Ratio	Lower	Upper
156	100		
77	150.5	76.8	230.5
158	97.8	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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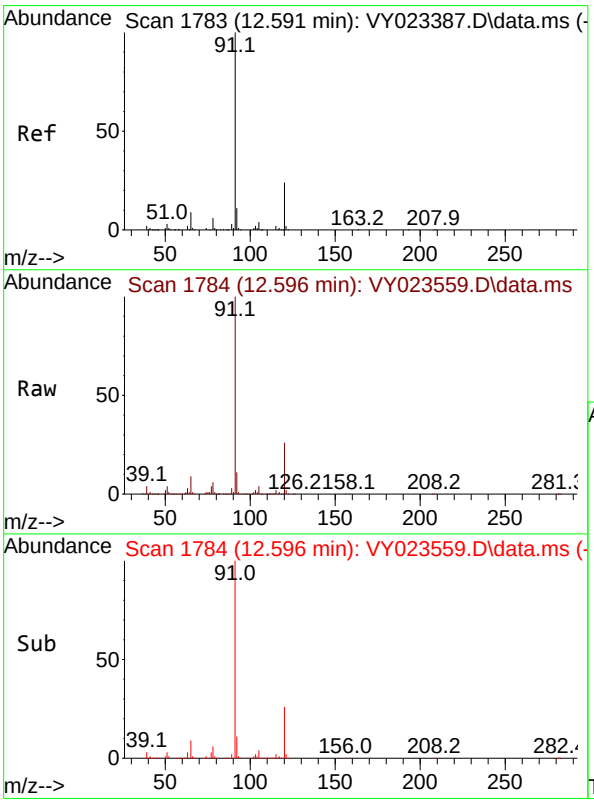
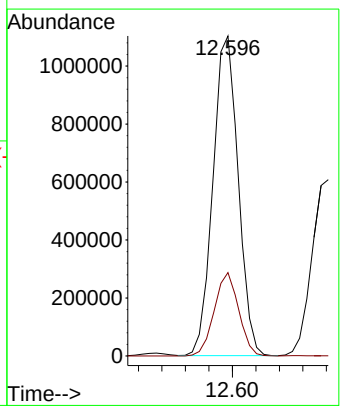
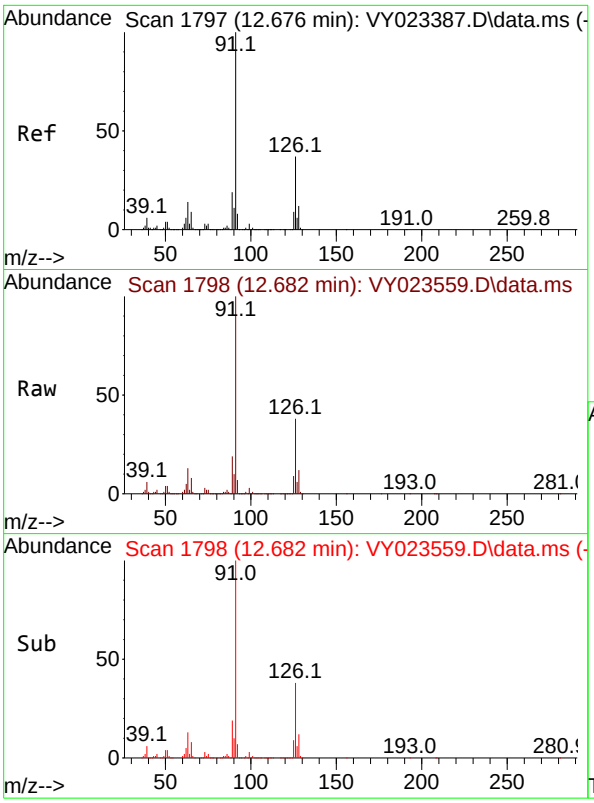


#78
n-propylbenzene
Concen: 56.707 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 91 Resp: 1644549

Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.3	36.8

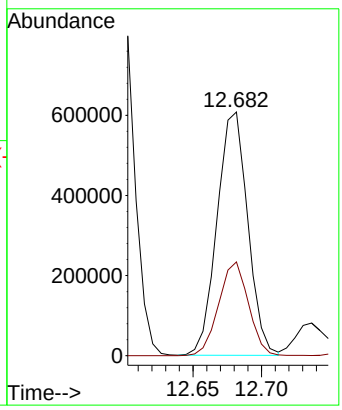




#79
2-Chlorotoluene
Concen: 55.795 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 91 Resp: 94754

Ion	Ratio	Lower	Upper
91	100		
126	37.4	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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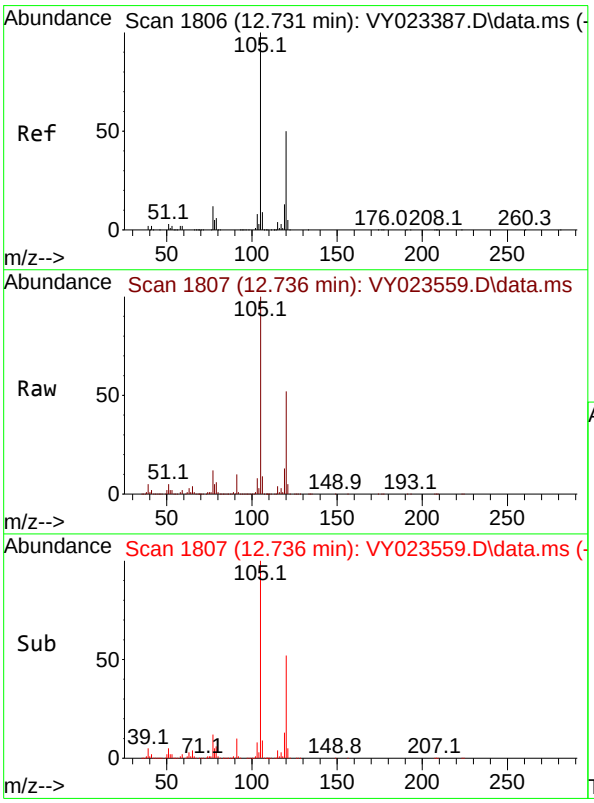
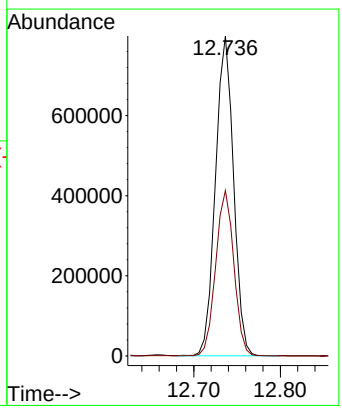
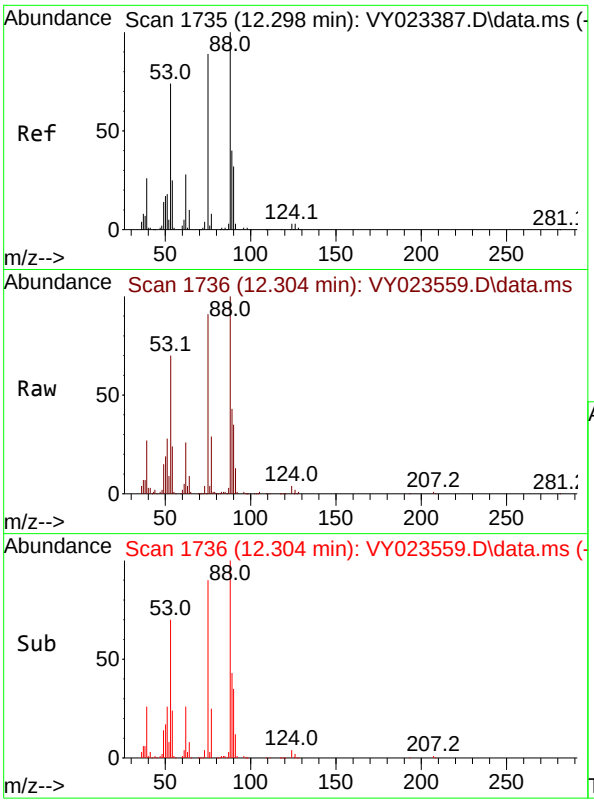


#80
1,3,5-Trimethylbenzene
Concen: 57.172 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:105 Resp: 1157792

Ion	Ratio	Lower	Upper
105	100		
120	52.0	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 56.799 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 75 Resp: 7771

Ion	Ratio	Lower	Upper
75	100		
53	80.3	68.6	102.8
89	47.1	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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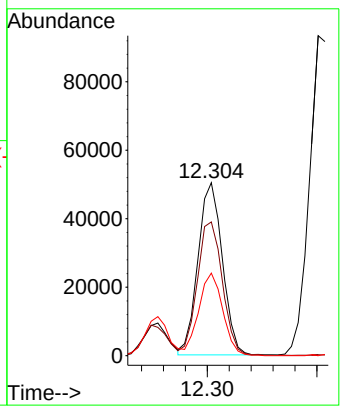
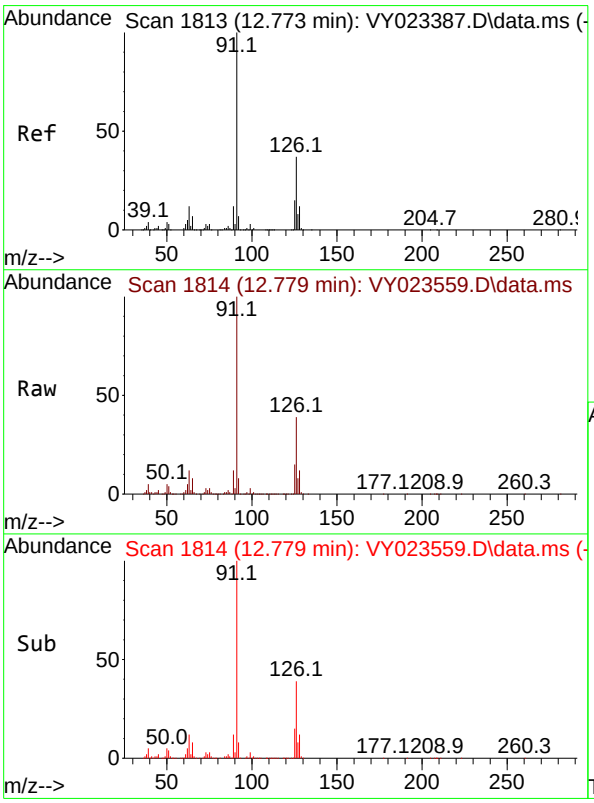
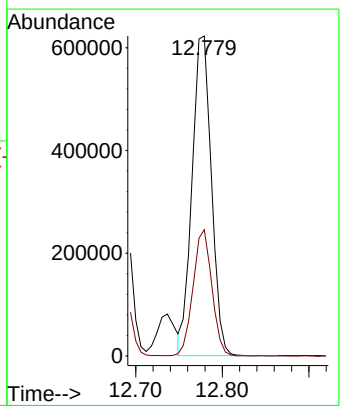


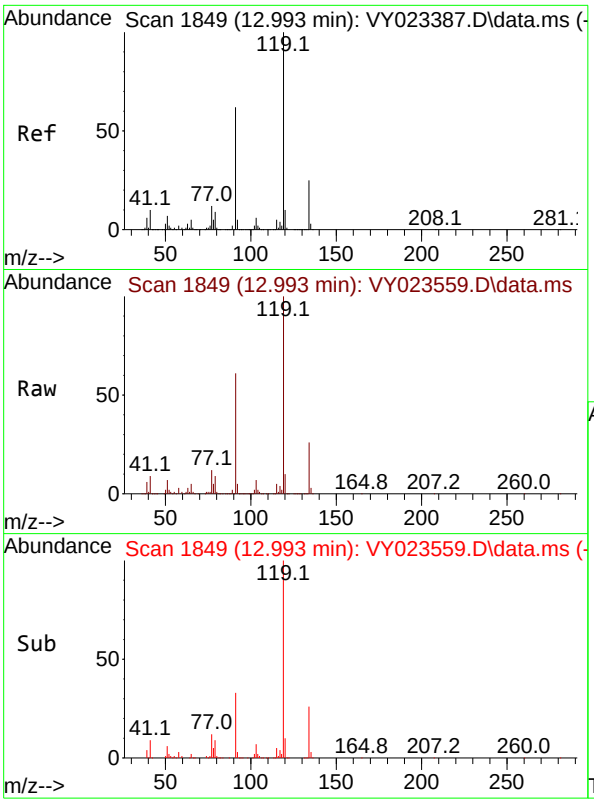


#82
4-Chlorotoluene
Concen: 55.281 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 91 Resp: 966872

Ion	Ratio	Lower	Upper
91	100		
126	38.3	18.4	55.4

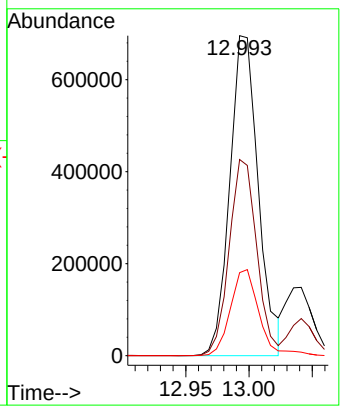




#83
tert-Butylbenzene
Concen: 58.535 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:119 Resp: 109448

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.9	89.8
134	27.0	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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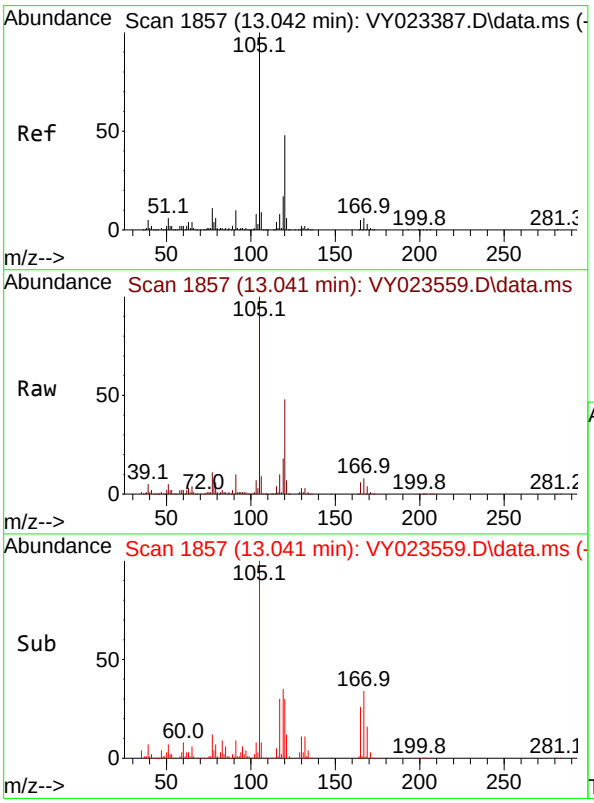
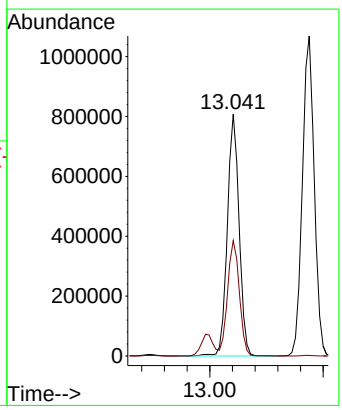
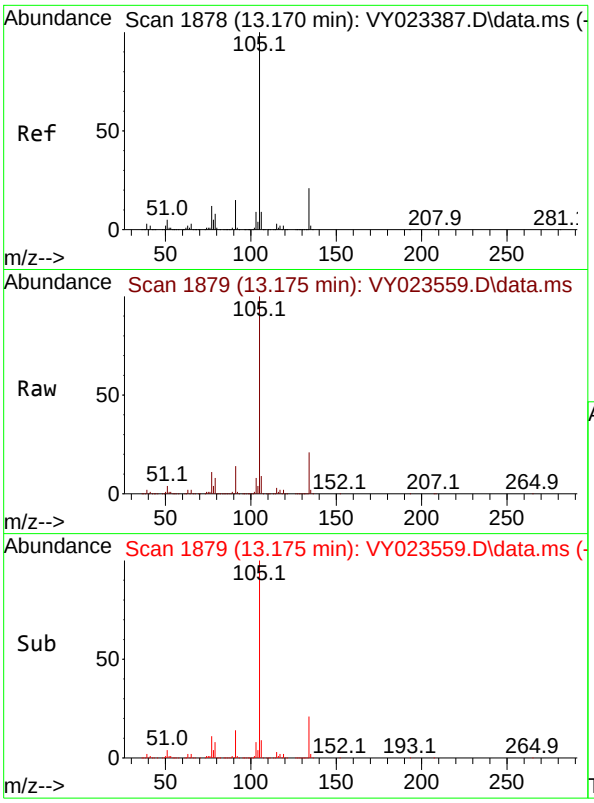


#84
1,2,4-Trimethylbenzene
Concen: 57.333 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:105 Resp: 1158715

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.2

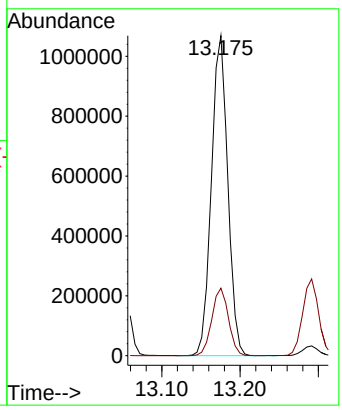




#85
sec-Butylbenzene
Concen: 57.753 ug/l
RT: 13.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:105 Resp: 154905

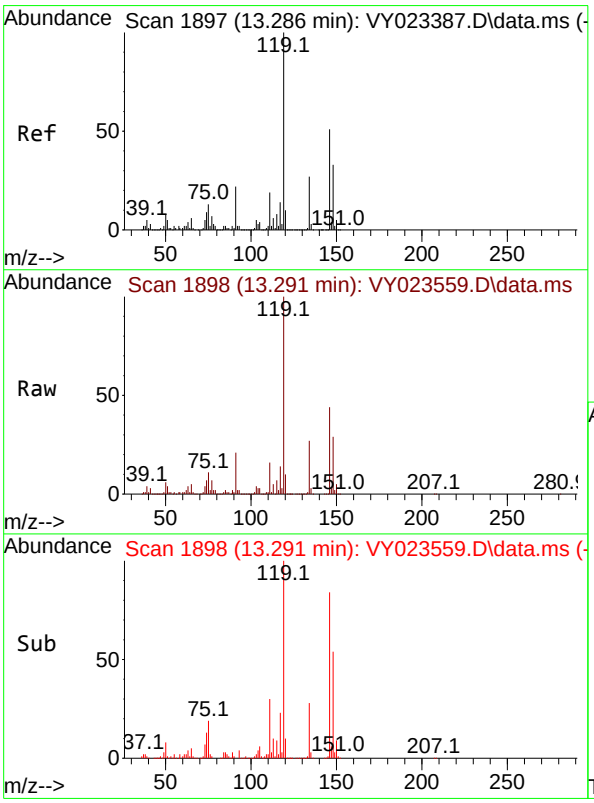
Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

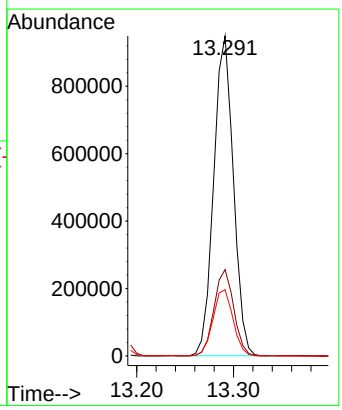
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

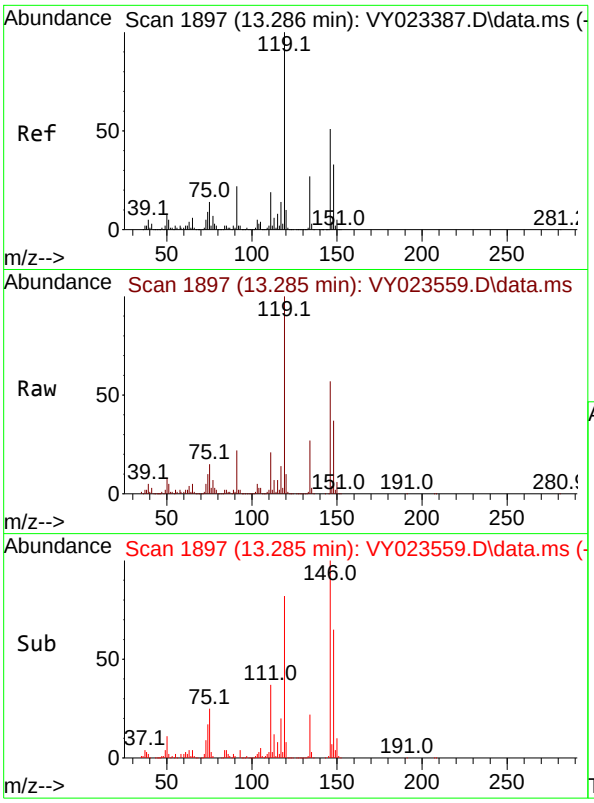


#86
p-Isopropyltoluene
Concen: 58.577 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:119 Resp: 1337700

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.7
91	21.2	10.9	32.9

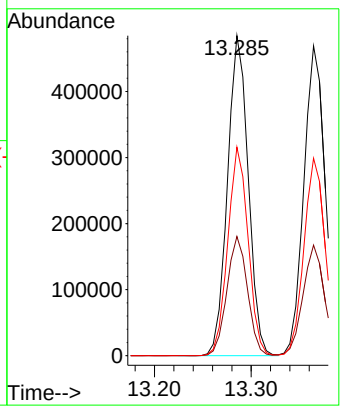




#87
1,3-Dichlorobenzene
Concen: 55.564 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:146 Resp: 72088

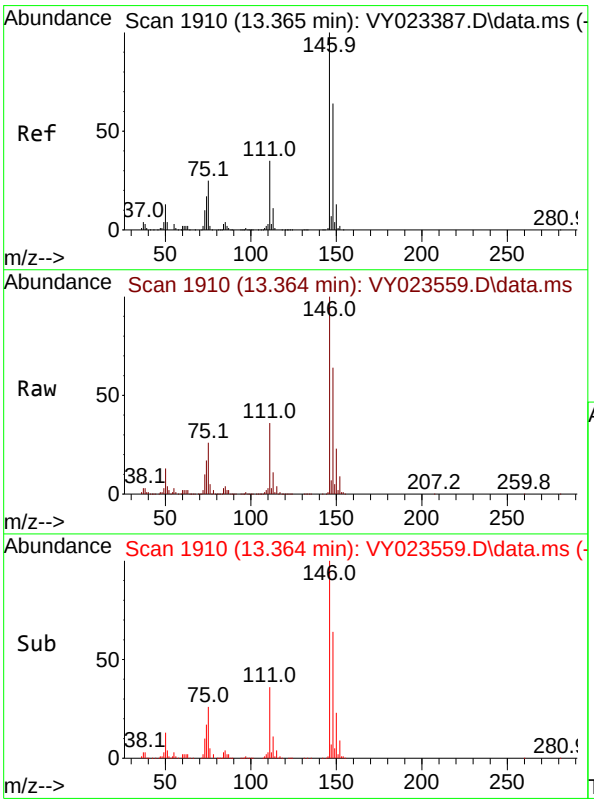
Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

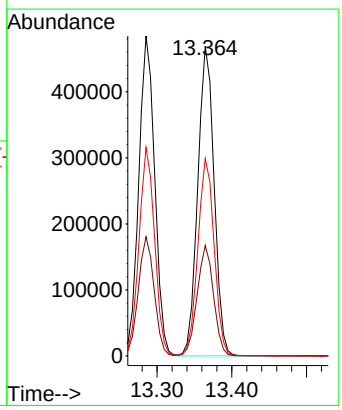
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

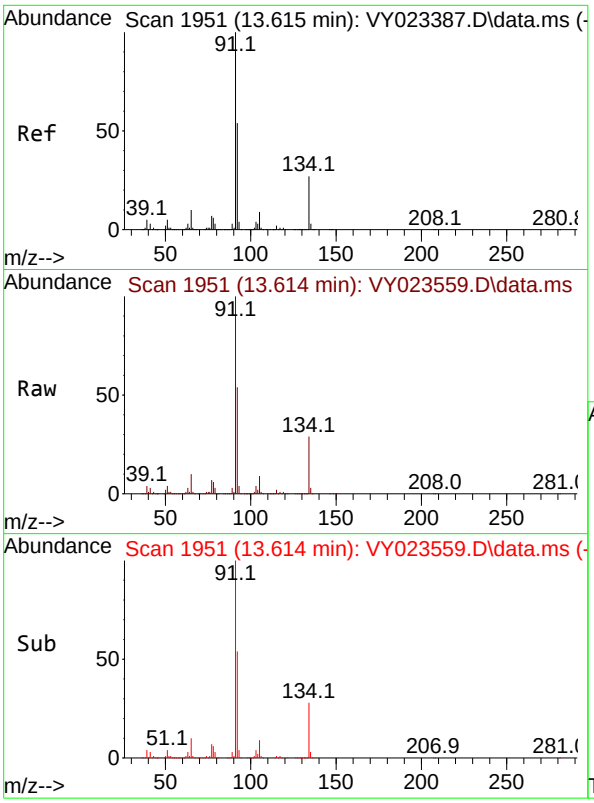


#88
1,4-Dichlorobenzene
Concen: 55.673 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:146 Resp: 713367

Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.0	54.0
148	63.7	31.9	95.7

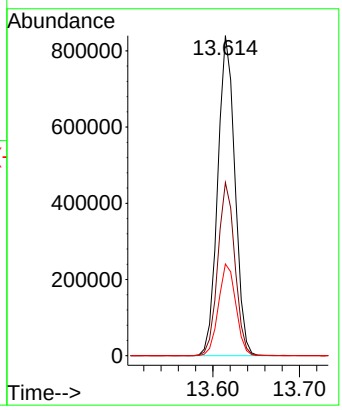




#89
n-Butylbenzene
Concen: 58.138 ug/l
RT: 13.614 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 91 Resp: 115686

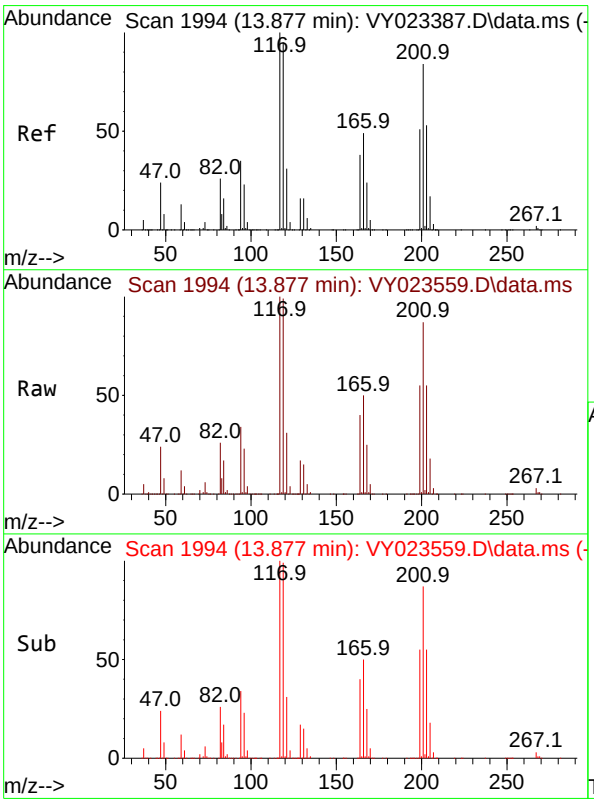
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	80.8
134	29.0	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

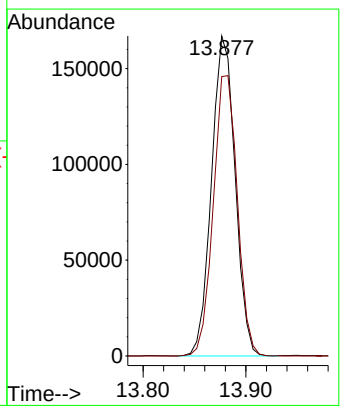
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

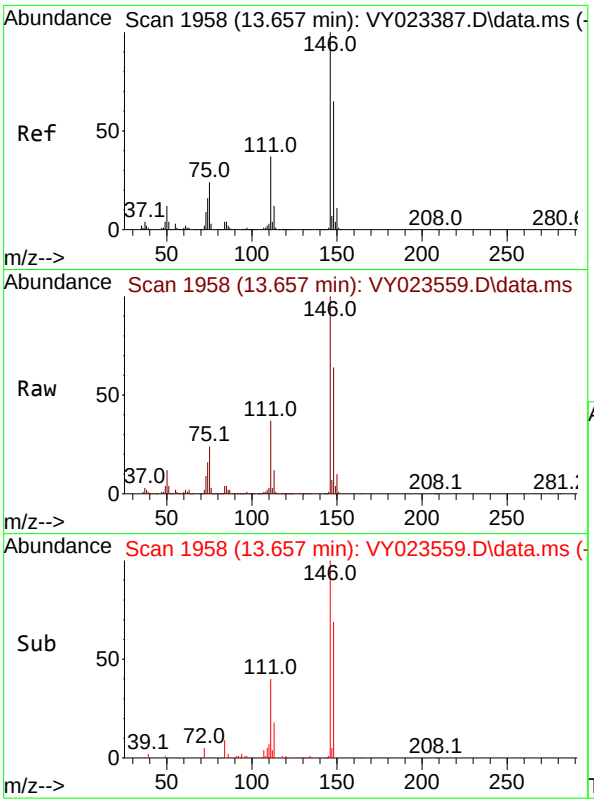


#90
Hexachloroethane
Concen: 54.294 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:117 Resp: 266678

Ion	Ratio	Lower	Upper
117	100		
201	89.0	43.8	131.4

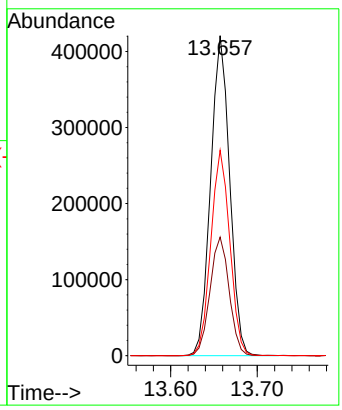




#91
1,2-Dichlorobenzene
Concen: 56.461 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:146 Resp: 64221

Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.0	57.0
148	64.1	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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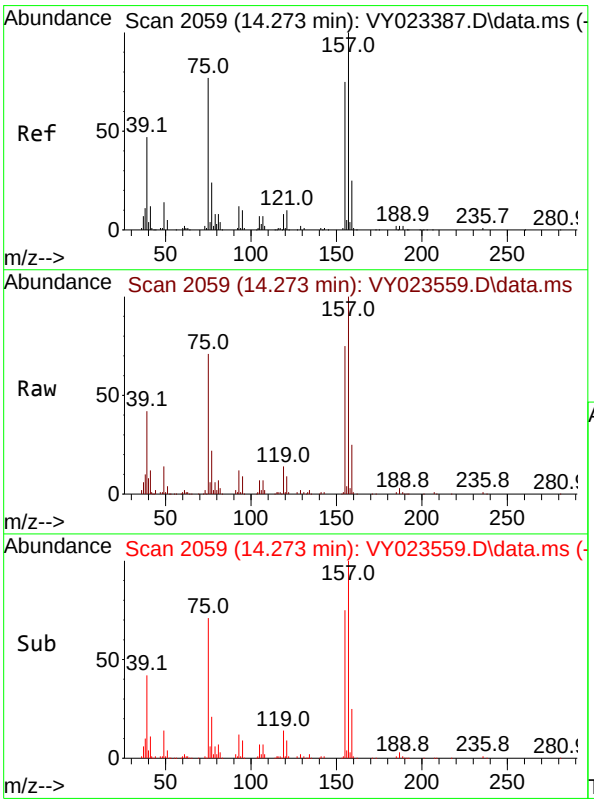
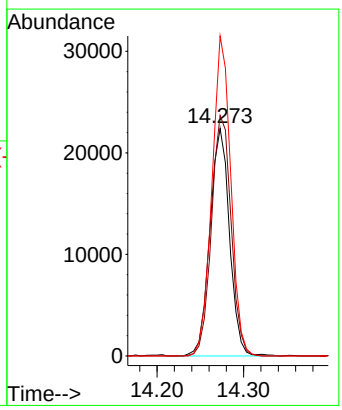
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

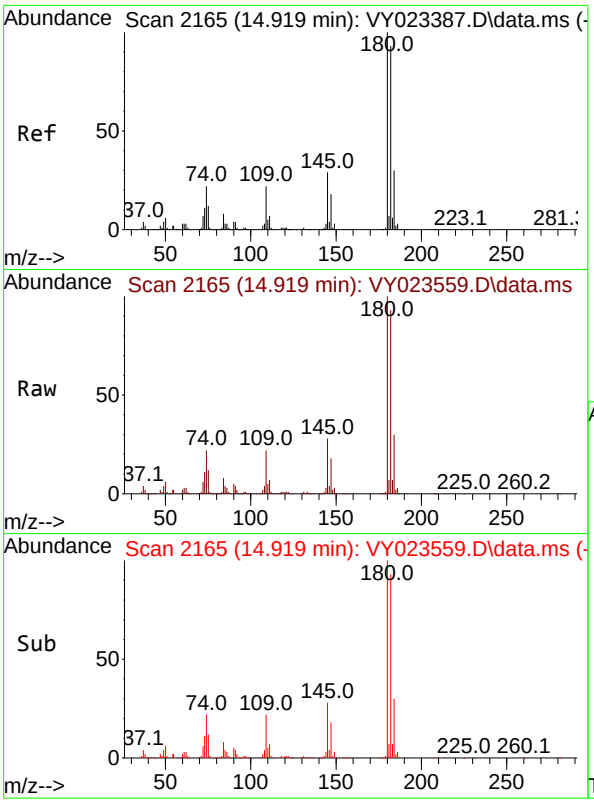


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.353 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion: 75 Resp: 35210

Ion	Ratio	Lower	Upper
75	100		
155	105.8	50.0	150.0
157	134.6	63.8	191.5

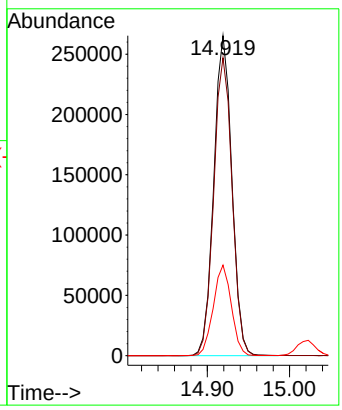




#93
1,2,4-Trichlorobenzene
Concen: 57.127 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:180 Resp: 40509

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.6
145	28.3	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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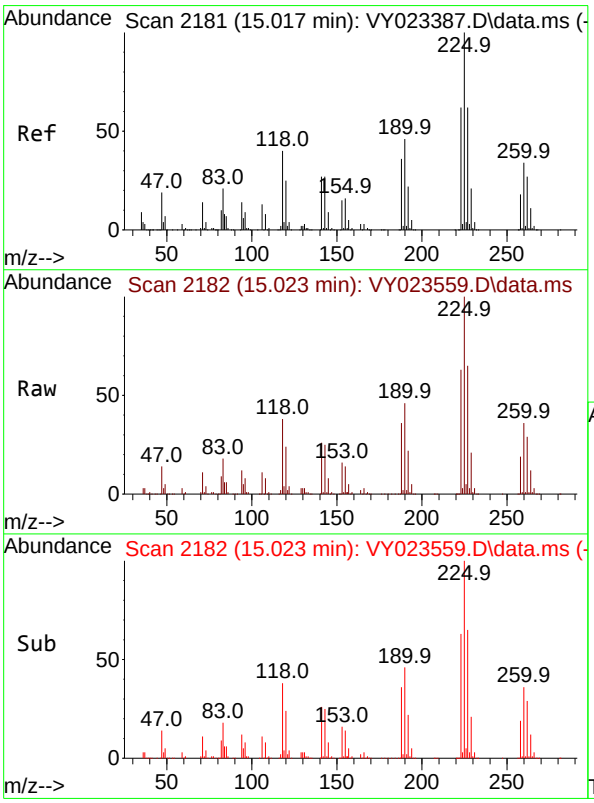
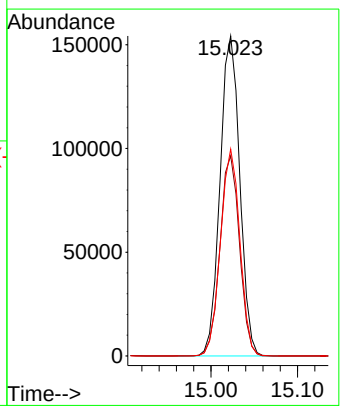
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

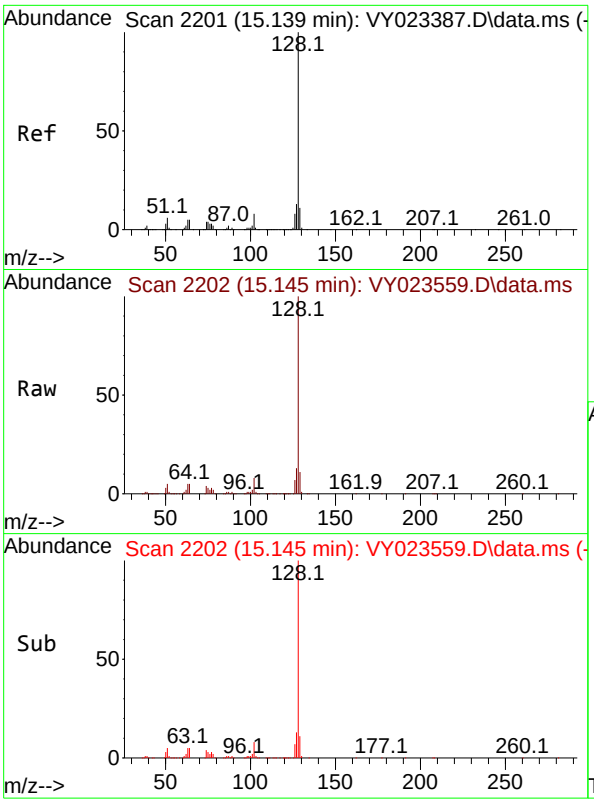


#94
Hexachlorobutadiene
Concen: 55.207 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:225 Resp: 244033

Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.8	92.3
227	63.7	31.9	95.7

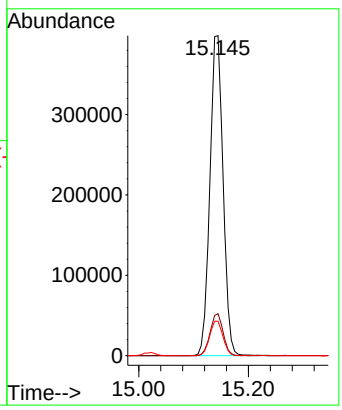




#95
Naphthalene
Concen: 58.694 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:128 Resp: 66276

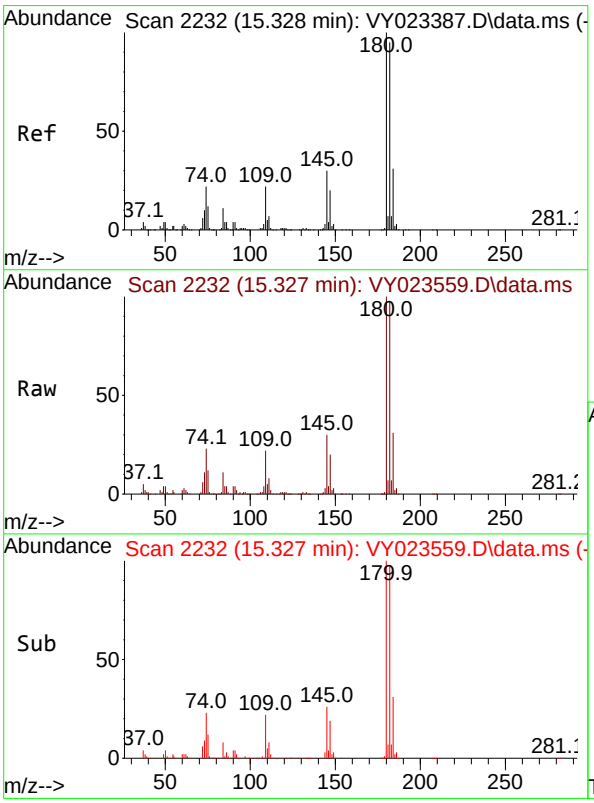
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

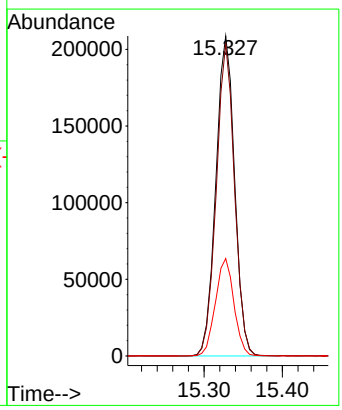
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 56.460 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023559.D
Acq: 24 Oct 2025 08:56

Tgt Ion:180 Resp: 346789

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.8
145	30.1	15.3	45.9



Sample Results: **VY023559.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	95	0.00
2	T	Dichlorodifluoromethane	0.360	0.296	17.8	87	0.00
3	P	Chloromethane	0.490	0.393	19.8	83	0.00
4	C	Vinyl Chloride	0.639	0.540	15.5#	86	0.00
5	T	Bromomethane	0.536	0.487	9.1	98	0.00
6	T	Chloroethane	0.435	0.389	10.6	89	0.00
7	T	Trichlorofluoromethane	0.887	0.844	4.8	95	0.00
8	T	Diethyl Ether	0.232	0.240	-3.4	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.460	0.472	-2.6	102	0.00
10	T	Methyl Iodide	0.512	0.584	-14.1	103	0.00
11	T	Tert butyl alcohol	0.031	0.037	-19.4	139	0.00
12	CM	1,1-Dichloroethene	0.446	0.451	-1.1#	100	0.00
13	T	Acrolein	0.044	0.012	72.7#	27#	0.00
14	T	Allyl chloride	0.544	0.517	5.0	93	0.00
15	T	Acrylonitrile	0.089	0.092	-3.4	106	0.00
16	T	Acetone	0.100	0.101	-1.0	114	0.00
17	T	Carbon Disulfide	1.277	1.159	9.2	90	0.00
18	T	Methyl Acetate	0.261	0.280	-7.3	108	0.00
19	T	Methyl tert-butyl Ether	1.072	1.188	-10.8	110	0.00
20	T	Methylene Chloride	0.538	0.506	5.9	104	0.00
21	T	trans-1,2-Dichloroethene	0.491	0.511	-4.1	103	0.00
22	T	Diisopropyl ether	1.202	1.236	-2.8	101	0.00
23	T	Vinyl Acetate	0.651	0.652	-0.2	99	0.00
24	P	1,1-Dichloroethane	0.796	0.814	-2.3	101	0.00
25	T	2-Butanone	0.122	0.124	-1.6	112	0.00
26	T	2,2-Dichloropropane	0.731	0.781	-6.8	105	0.00
27	T	cis-1,2-Dichloroethene	0.567	0.623	-9.9	109	0.00
28	T	Bromochloromethane	0.297	0.248	16.5	88	0.00
29	T	Tetrahydrofuran	0.069	0.069	0.0	103	0.00
30	C	Chloroform	0.875	0.933	-6.6#	106	0.00
31	T	Cyclohexane	0.696	0.644	7.5	95	0.00
32	T	1,1,1-Trichloroethane	0.795	0.836	-5.2	103	0.00
33	S	1,2-Dichloroethane-d4	0.418	0.374	10.5	90	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.307	0.304	1.0	96	0.00
36	T	1,1-Dichloropropene	0.407	0.426	-4.7	101	0.00
37	T	Ethyl Acetate	0.161	0.162	-0.6	102	0.00
38	T	Carbon Tetrachloride	0.493	0.528	-7.1	104	0.00
39	T	Methylcyclohexane	0.530	0.561	-5.8	100	0.00
40	TM	Benzene	1.288	1.380	-7.1	103	0.00
41	T	Methacrylonitrile	0.087	0.094	-8.0	111	0.00
42	TM	1,2-Dichloroethane	0.332	0.338	-1.8	101	0.00
43	T	Isopropyl Acetate	0.321	0.335	-4.4	105	0.00
44	TM	Trichloroethene	0.377	0.413	-9.5	106	0.00
45	C	1,2-Dichloropropane	0.285	0.304	-6.7#	105	0.00
46	T	Dibromomethane	0.180	0.198	-10.0	108	0.00
47	T	Bromodichloromethane	0.453	0.497	-9.7	107	0.00
48	T	Methyl methacrylate	0.151	0.153	-1.3	98	0.00

Sample Results: **VY023559.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	0.002	0.002	0.0	114	0.00
50	S	Toluene-d8	1.144	1.115	2.5	93	0.00
51	T	4-Methyl-2-Pentanone	0.166	0.181	-9.0	107	0.00
52	CM	Toluene	0.836	0.928	-11.0#	106	0.00
53	T	t-1,3-Dichloropropene	0.394	0.436	-10.7	107	0.00
54	T	cis-1,3-Dichloropropene	0.465	0.520	-11.8	108	0.00
55	T	1,1,2-Trichloroethane	0.242	0.275	-13.6	112	0.00
56	T	Ethyl methacrylate	0.279	0.335	-20.1	113	0.00
57	T	1,3-Dichloropropane	0.383	0.427	-11.5	108	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.135	-8.0	99	0.00
59	T	2-Hexanone	0.119	0.131	-10.1	110	0.00
60	T	Dibromochloromethane	0.339	0.389	-14.7	112	0.00
61	T	1,2-Dibromoethane	0.231	0.263	-13.9	111	0.00
62	S	4-Bromofluorobenzene	0.378	0.376	0.5	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.516	0.576	-11.6	105	0.00
65	PM	Chlorobenzene	1.087	1.224	-12.6	110	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.438	-12.9	112	0.00
67	C	Ethyl Benzene	1.760	1.991	-13.1#	106	0.00
68	T	m/p-Xylenes	0.706	0.816	-15.6	108	0.00
69	T	o-Xylene	0.662	0.779	-17.7	110	0.00
70	T	Styrene	1.089	1.285	-18.0	110	0.00
71	P	Bromoform	0.240	0.278	-15.8	115	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.295	3.754	-13.9	110	0.00
74	T	N-amyl acetate	0.592	0.633	-6.9	106	0.00
75	P	1,1,2,2-Tetrachloroethane	0.539	0.600	-11.3	117	0.00
76	T	1,2,3-Trichloropropane	0.441	0.442	-0.2	99	0.00
77	T	Bromobenzene	0.876	0.980	-11.9	112	0.00
78	T	n-propylbenzene	3.813	4.325	-13.4	108	0.00
79	T	2-Chlorotoluene	2.233	2.492	-11.6	108	0.00
80	T	1,3,5-Trimethylbenzene	2.663	3.045	-14.3	109	0.00
81	T	trans-1,4-Dichloro-2-butene	0.180	0.204	-13.3	117	0.00
82	T	4-Chlorotoluene	2.300	2.543	-10.6	108	0.00
83	T	tert-Butylbenzene	2.458	2.878	-17.1	111	0.00
84	T	1,2,4-Trimethylbenzene	2.657	3.047	-14.7	109	0.00
85	T	sec-Butylbenzene	3.527	4.073	-15.5	110	0.00
86	T	p-Isopropyltoluene	3.003	3.518	-17.1	110	0.00
87	T	1,3-Dichlorobenzene	1.706	1.896	-11.1	111	0.00
88	T	1,4-Dichlorobenzene	1.685	1.876	-11.3	112	0.00
89	T	n-Butylbenzene	2.616	3.042	-16.3	110	0.00
90	T	Hexachloroethane	0.646	0.701	-8.5	109	0.00
91	T	1,2-Dichlorobenzene	1.496	1.689	-12.9	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.088	0.093	-5.7	108	0.00
93	T	1,2,4-Trichlorobenzene	0.932	1.065	-14.3	113	0.00
94	T	Hexachlorobutadiene	0.581	0.642	-10.5	108	0.00
95	T	Naphthalene	1.485	1.743	-17.4	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.808	0.912	-12.9	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY023559.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	95	0.00
2	T	Dichlorodifluoromethane	50.000	41.129	17.7	87	0.00
3	P	Chloromethane	50.000	40.052	19.9	83	0.00
4	C	Vinyl Chloride	50.000	42.285	15.4#	86	0.00
5	T	Bromomethane	50.000	45.475	9.0	98	0.00
6	T	Chloroethane	50.000	44.661	10.7	89	0.00
7	T	Trichlorofluoromethane	50.000	47.584	4.8	95	0.00
8	T	Diethyl Ether	50.000	51.703	-3.4	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.306	-2.6	102	0.00
10	T	Methyl Iodide	50.000	57.032	-14.1	103	0.00
11	T	Tert butyl alcohol	250.000	294.878	-18.0	139	0.00
12	CM	1,1-Dichloroethene	50.000	50.504	-1.0#	100	0.00
13	T	Acrolein	250.000	68.867	72.5#	27	0.00
14	T	Allyl chloride	50.000	47.575	4.8	93	0.00
15	T	Acrylonitrile	250.000	258.449	-3.4	106	0.00
16	T	Acetone	250.000	253.570	-1.4	114	0.00
17	T	Carbon Disulfide	50.000	45.399	9.2	90	0.00
18	T	Methyl Acetate	50.000	53.529	-7.1	108	0.00
19	T	Methyl tert-butyl Ether	50.000	55.391	-10.8	110	0.00
20	T	Methylene Chloride	50.000	46.987	6.0	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.986	-4.0	103	0.00
22	T	Diisopropyl ether	50.000	51.399	-2.8	101	0.00
23	T	Vinyl Acetate	250.000	250.506	-0.2	99	0.00
24	P	1,1-Dichloroethane	50.000	51.107	-2.2	101	0.00
25	T	2-Butanone	250.000	254.962	-2.0	112	0.00
26	T	2,2-Dichloropropane	50.000	53.419	-6.8	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.911	-9.8	109	0.00
28	T	Bromochloromethane	50.000	41.717	16.6	88	0.00
29	T	Tetrahydrofuran	250.000	251.315	-0.5	103	0.00
30	C	Chloroform	50.000	53.320	-6.6#	106	0.00
31	T	Cyclohexane	50.000	46.305	7.4	95	0.00
32	T	1,1,1-Trichloroethane	50.000	52.584	-5.2	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.694	10.6	90	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	49.453	1.1	96	0.00
36	T	1,1-Dichloropropene	50.000	52.372	-4.7	101	0.00
37	T	Ethyl Acetate	50.000	50.360	-0.7	102	0.00
38	T	Carbon Tetrachloride	50.000	53.563	-7.1	104	0.00
39	T	Methylcyclohexane	50.000	52.994	-6.0	100	0.00
40	TM	Benzene	50.000	53.575	-7.2	103	0.00
41	T	Methacrylonitrile	50.000	54.008	-8.0	111	0.00
42	TM	1,2-Dichloroethane	50.000	50.864	-1.7	101	0.00
43	T	Isopropyl Acetate	50.000	52.107	-4.2	105	0.00
44	TM	Trichloroethene	50.000	54.817	-9.6	106	0.00
45	C	1,2-Dichloropropane	50.000	53.397	-6.8#	105	0.00
46	T	Dibromomethane	50.000	54.988	-10.0	108	0.00
47	T	Bromodichloromethane	50.000	54.883	-9.8	107	0.00
48	T	Methyl methacrylate	50.000	50.755	-1.5	98	0.00

Sample Results: **VY023559.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	1146.304	-14.6	114	0.00
50	S	Toluene-d8	50.000	48.722	2.6	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	272.142	-8.9	107	0.00
52	CM	Toluene	50.000	55.476	-11.0#	106	0.00
53	T	t-1,3-Dichloropropene	50.000	55.385	-10.8	107	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.911	-11.8	108	0.00
55	T	1,1,2-Trichloroethane	50.000	56.837	-13.7	112	0.00
56	T	Ethyl methacrylate	50.000	60.107	-20.2	113	0.00
57	T	1,3-Dichloropropane	50.000	55.727	-11.5	108	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	270.556	-8.2	99	0.00
59	T	2-Hexanone	250.000	275.001	-10.0	110	0.00
60	T	Dibromochloromethane	50.000	57.348	-14.7	112	0.00
61	T	1,2-Dibromoethane	50.000	57.024	-14.0	111	0.00
62	S	4-Bromofluorobenzene	50.000	49.801	0.4	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	55.753	-11.5	105	0.00
65	PM	Chlorobenzene	50.000	56.267	-12.5	110	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.479	-13.0	112	0.00
67	C	Ethyl Benzene	50.000	56.546	-13.1#	106	0.00
68	T	m/p-Xylenes	100.000	115.537	-15.5	108	0.00
69	T	o-Xylene	50.000	58.810	-17.6	110	0.00
70	T	Styrene	50.000	58.986	-18.0	110	0.00
71	P	Bromoform	50.000	57.877	-15.8	115	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	56.959	-13.9	110	0.00
74	T	N-amyl acetate	50.000	53.438	-6.9	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.639	-11.3	117	0.00
76	T	1,2,3-Trichloropropane	50.000	50.142	-0.3	99	0.00
77	T	Bromobenzene	50.000	55.922	-11.8	112	0.00
78	T	n-propylbenzene	50.000	56.707	-13.4	108	0.00
79	T	2-Chlorotoluene	50.000	55.795	-11.6	108	0.00
80	T	1,3,5-Trimethylbenzene	50.000	57.172	-14.3	109	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.799	-13.6	117	0.00
82	T	4-Chlorotoluene	50.000	55.281	-10.6	108	0.00
83	T	tert-Butylbenzene	50.000	58.535	-17.1	111	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.333	-14.7	109	0.00
85	T	sec-Butylbenzene	50.000	57.753	-15.5	110	0.00
86	T	p-Isopropyltoluene	50.000	58.577	-17.2	110	0.00
87	T	1,3-Dichlorobenzene	50.000	55.564	-11.1	111	0.00
88	T	1,4-Dichlorobenzene	50.000	55.673	-11.3	112	0.00
89	T	n-Butylbenzene	50.000	58.138	-16.3	110	0.00
90	T	Hexachloroethane	50.000	54.294	-8.6	109	0.00
91	T	1,2-Dichlorobenzene	50.000	56.461	-12.9	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.353	-4.7	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	57.127	-14.3	113	0.00
94	T	Hexachlorobutadiene	50.000	55.207	-10.4	108	0.00
95	T	Naphthalene	50.000	58.694	-17.4	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023559.D
Acq On : 24 Oct 2025 08:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Oct 24 23:45:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 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	56.460	-12.9	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

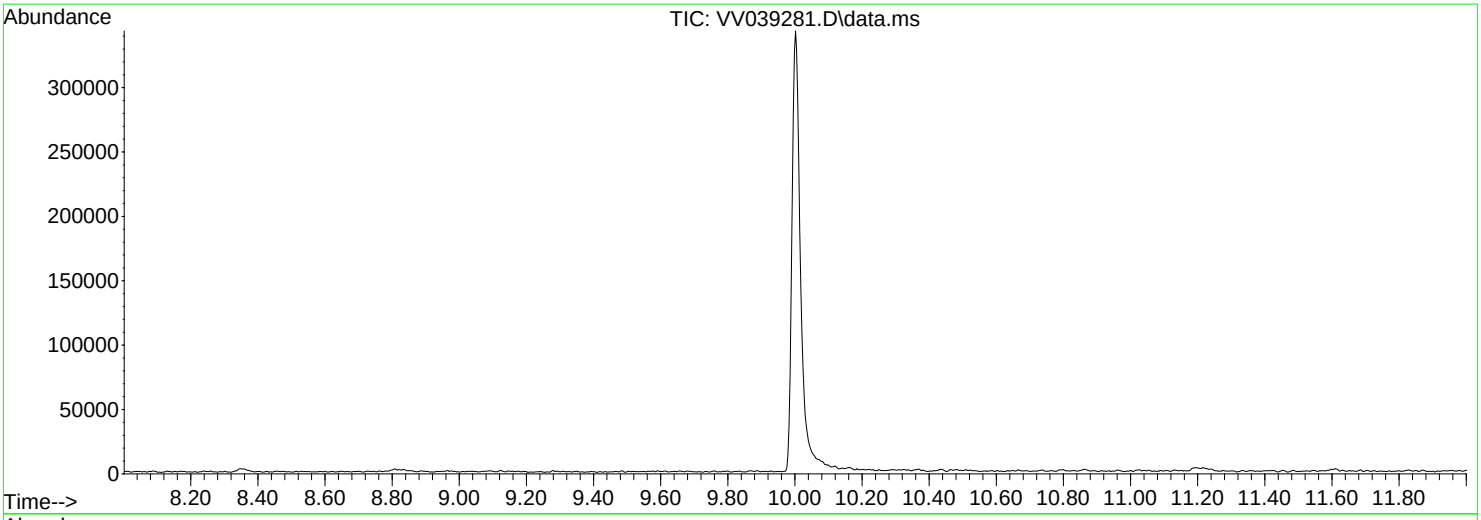
Sample Results: **VV039281.D**

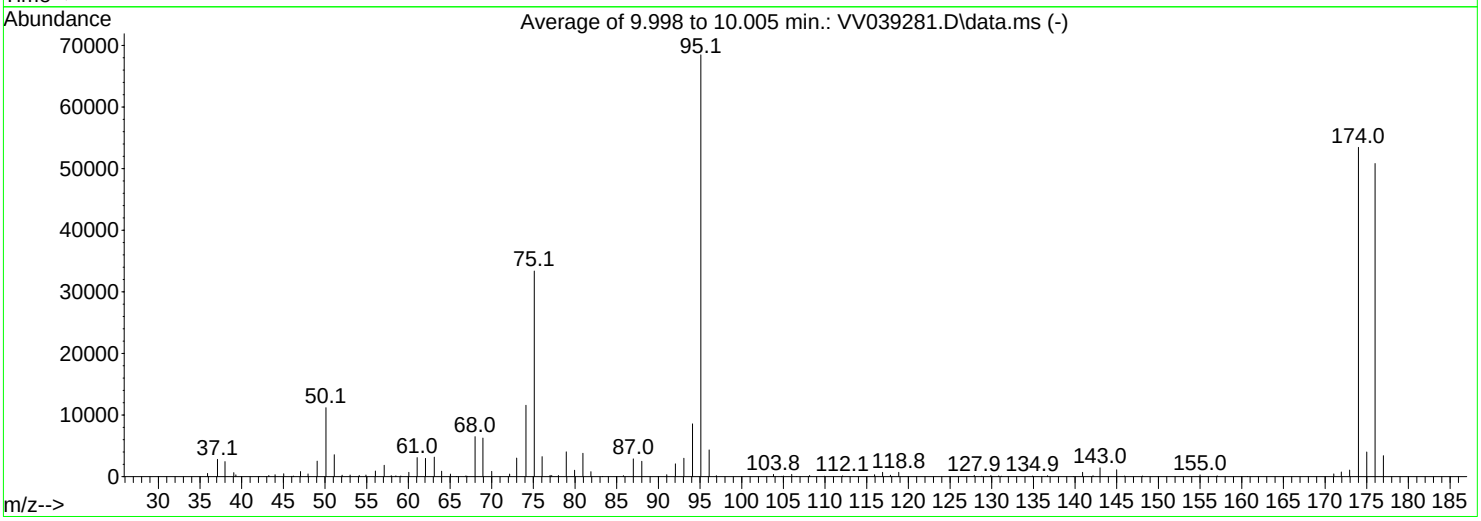
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039281.D
Acq On : 07 Oct 2025 08:25
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Title : SW846 8260
Last Update : Wed Oct 08 05:01:26 2025





AutoFind: Scans 2786, 2787, 2788; Background Corrected with Scan 2775

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	11209	PASS
75	95	30	60	48.7	33376	PASS
95	95	100	100	100.0	68483	PASS
96	95	5	9	6.3	4345	PASS
173	174	0.00	2	2.0	1066	PASS
174	95	50	100	78.1	53459	PASS
175	174	5	9	7.5	4011	PASS
176	174	95	101	95.1	50835	PASS
177	176	5	9	6.7	3400	PASS

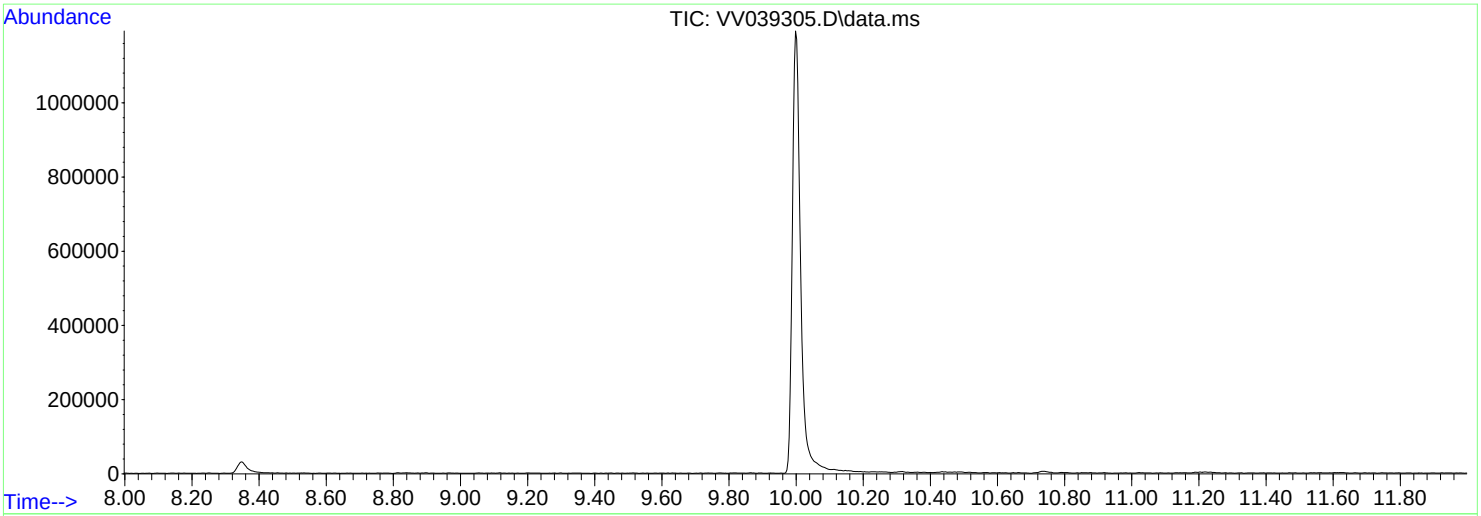
Sample Results: **VV039305.D**

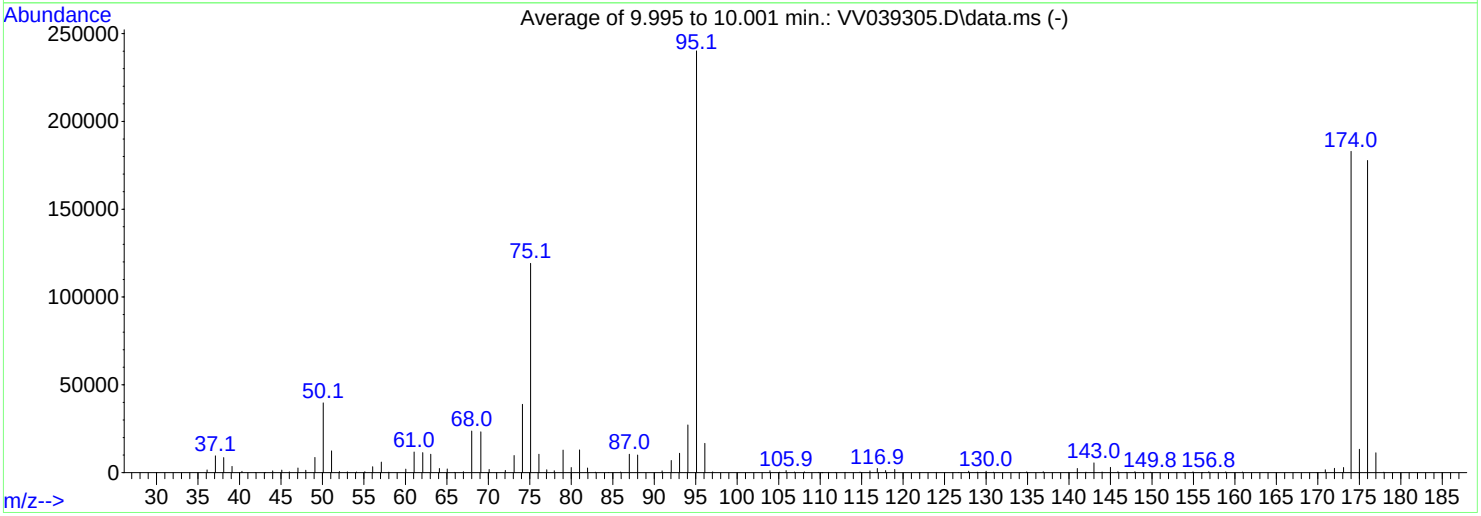
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039305.D
Acq On : 04 Nov 2025 10:24
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Title : SW846 8260
Last Update : Wed Oct 08 05:01:26 2025





AutoFind: Scans 2785, 2786, 2787; Background Corrected with Scan 2773

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	39680	PASS
75	95	30	60	49.6	119211	PASS
95	95	100	100	100.0	240171	PASS
96	95	5	9	6.9	16644	PASS
173	174	0.00	2	1.6	2957	PASS
174	95	50	100	76.2	182912	PASS
175	174	5	9	7.3	13300	PASS
176	174	95	101	97.2	177707	PASS
177	176	5	9	6.4	11330	PASS

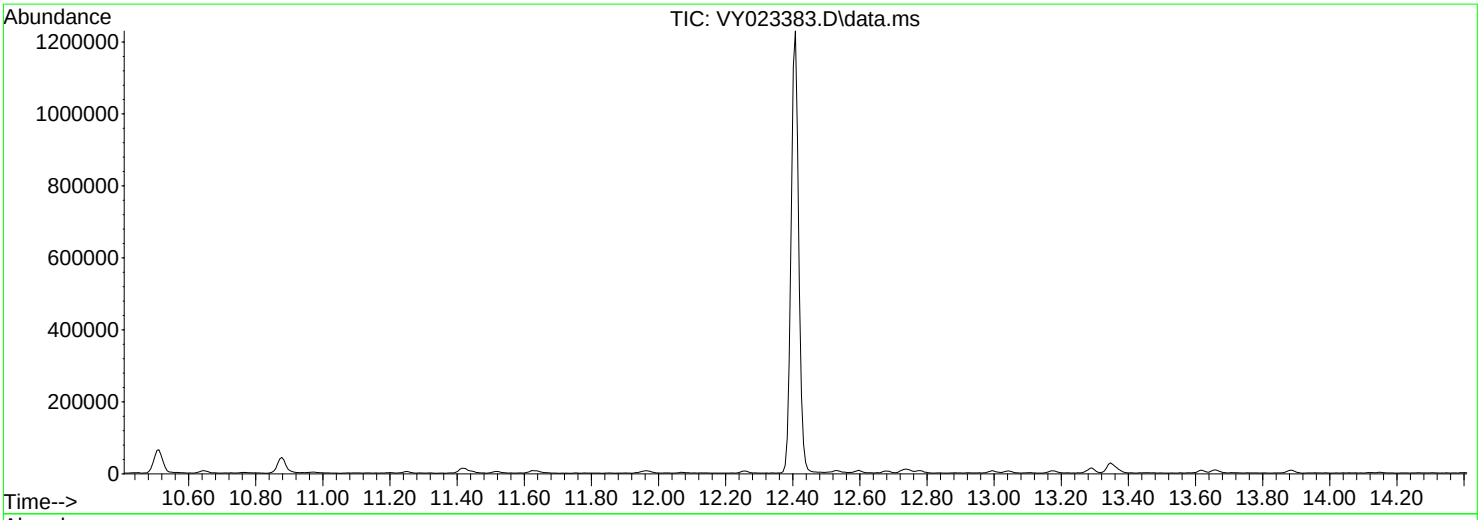
Sample Results: **VY023383.D**

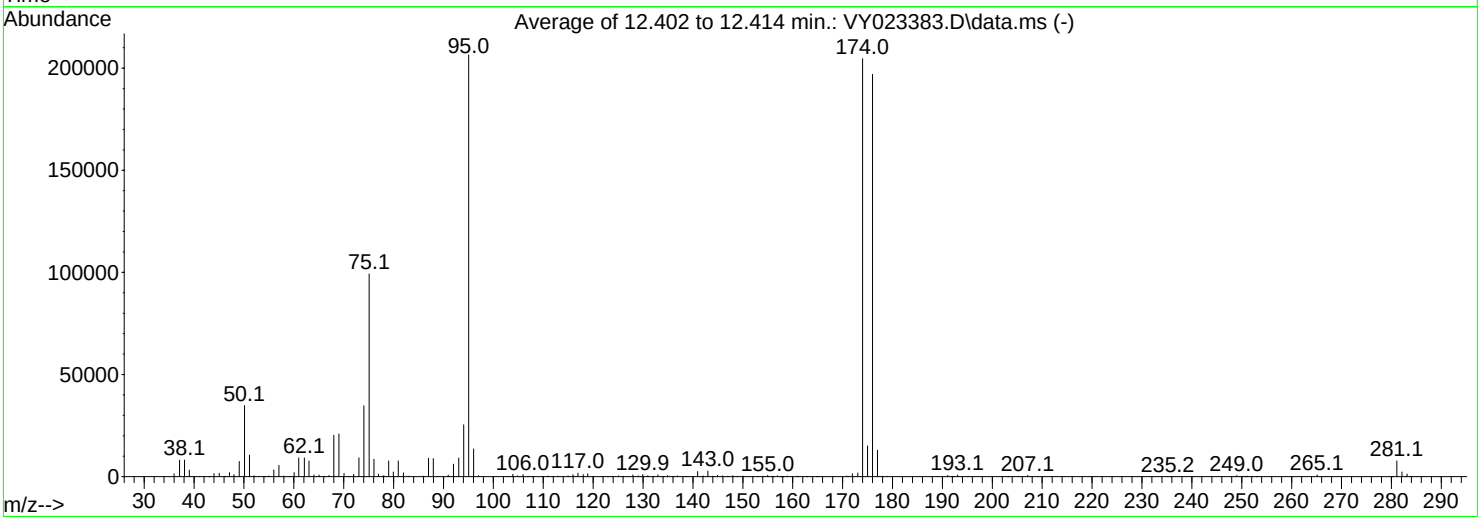
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023383.D
Acq On : 07 Oct 2025 08:43
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	34816	PASS
75	95	30	60	48.1	99264	PASS
95	95	100	100	100.0	206507	PASS
96	95	5	9	6.6	13540	PASS
173	174	0.00	2	0.9	1817	PASS
174	95	50	100	99.1	204629	PASS
175	174	5	9	7.4	15059	PASS
176	174	95	101	96.2	196949	PASS
177	176	5	9	6.6	12912	PASS

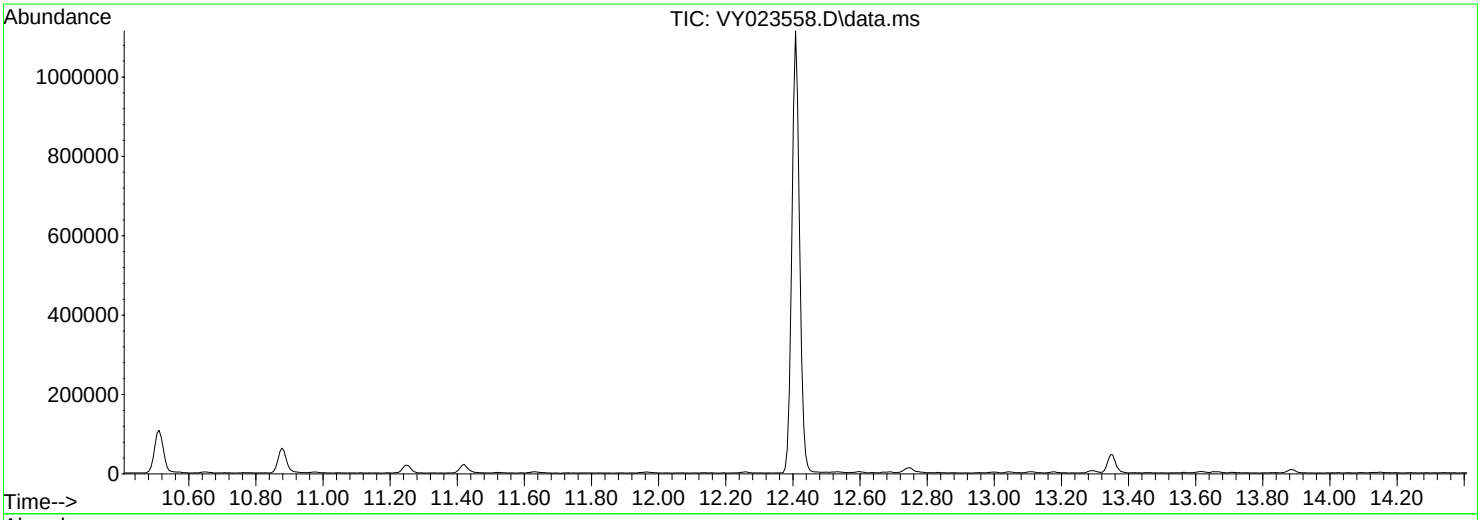
Sample Results: **VY023558.D**

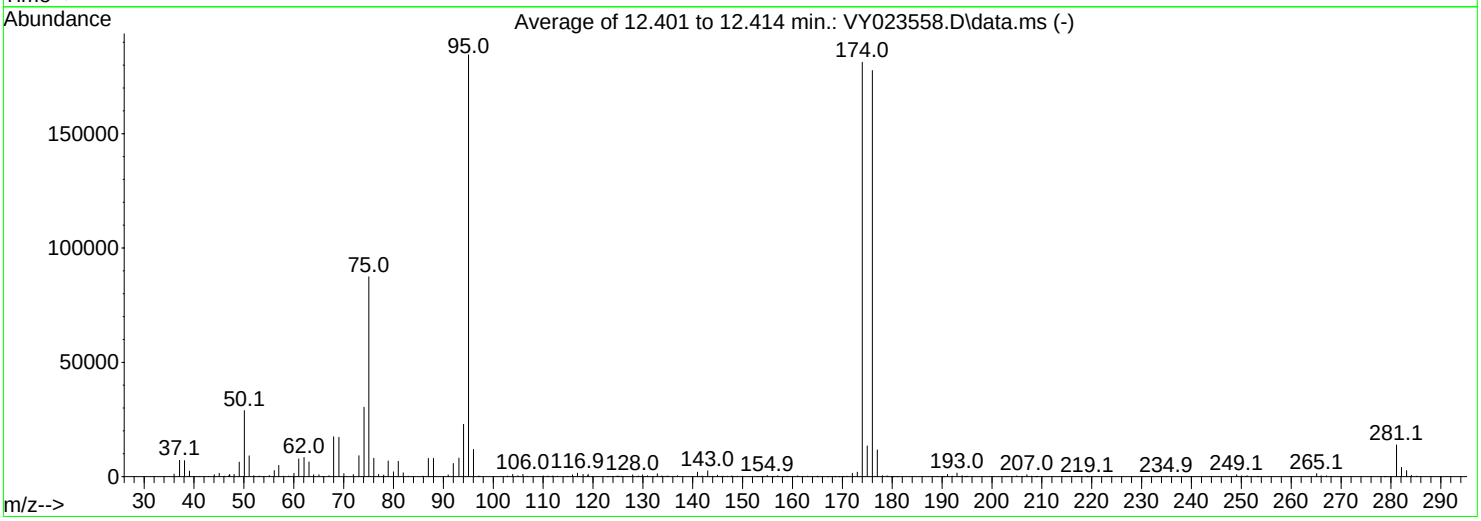
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023558.D
Acq On : 24 Oct 2025 07:47
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Title : SW846 8260
Last Update : Wed Oct 08 05:12:50 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.7	28941	PASS
75	95	30	60	47.4	87403	PASS
95	95	100	100	100.0	184491	PASS
96	95	5	9	6.5	11916	PASS
173	174	0.00	2	1.1	1956	PASS
174	95	50	100	98.2	181248	PASS
175	174	5	9	7.4	13455	PASS
176	174	95	101	98.0	177600	PASS
177	176	5	9	6.6	11721	PASS

Raw Data: **VV039308.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VV1104WBL01	SDG No.:	Q3434
Lab Sample ID:	VV1104WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.00	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
74-87-3	Chloromethane	1.00	U	1	0.32	1.00	ug/L	11/04/25 12:21	VV110425
75-01-4	Vinyl Chloride	1.00	U	1	0.26	1.00	ug/L	11/04/25 12:21	VV110425
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/04/25 12:21	VV110425
75-00-3	Chloroethane	1.00	U	1	0.47	1.00	ug/L	11/04/25 12:21	VV110425
75-69-4	Trichlorofluoromethane	1.00	U	1	0.33	1.00	ug/L	11/04/25 12:21	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
75-35-4	1,1-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
67-64-1	Acetone	5.00	U	1	1.50	5.00	ug/L	11/04/25 12:21	VV110425
75-15-0	Carbon Disulfide	1.00	U	1	0.21	1.00	ug/L	11/04/25 12:21	VV110425
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
79-20-9	Methyl Acetate	1.00	U	1	0.27	1.00	ug/L	11/04/25 12:21	VV110425
75-09-2	Methylene Chloride	1.00	U	1	0.28	1.00	ug/L	11/04/25 12:21	VV110425
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
75-34-3	1,1-Dichloroethane	1.00	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/04/25 12:21	VV110425
78-93-3	2-Butanone	5.00	U	1	0.98	5.00	ug/L	11/04/25 12:21	VV110425
56-23-5	Carbon Tetrachloride	1.00	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425
74-97-5	Bromochloromethane	1.00	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
67-66-3	Chloroform	1.00	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
71-55-6	1,1,1-Trichloroethane	1.00	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
108-87-2	Methylcyclohexane	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
71-43-2	Benzene	1.00	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
107-06-2	1,2-Dichloroethane	1.00	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
79-01-6	Trichloroethene	1.00	U	1	0.090	1.00	ug/L	11/04/25 12:21	VV110425
78-87-5	1,2-Dichloropropane	1.00	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
75-27-4	Bromodichloromethane	1.00	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	0.68	5.00	ug/L	11/04/25 12:21	VV110425
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	11/04/25 12:21	VV110425
10061-02-6	t-1,3-Dichloropropene	1.00	U	1	0.17	1.00	ug/L	11/04/25 12:21	VV110425
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
79-00-5	1,1,2-Trichloroethane	1.00	U	1	0.21	1.00	ug/L	11/04/25 12:21	VV110425
591-78-6	2-Hexanone	5.00	U	1	0.89	5.00	ug/L	11/04/25 12:21	VV110425
124-48-1	Dibromochloromethane	1.00	U	1	0.18	1.00	ug/L	11/04/25 12:21	VV110425
106-93-4	1,2-Dibromoethane	1.00	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
127-18-4	Tetrachloroethene	1.00	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
108-90-7	Chlorobenzene	1.00	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	11/04/25 12:21	VV110425
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	11/04/25 12:21	VV110425
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
100-42-5	Styrene	1.00	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
75-25-2	Bromoform	1.00	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425

Raw Data: **VV039308.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VV1104WBL01	SDG No.:	Q3434
Lab Sample ID:	VV1104WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.00	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	0.26	1.00	ug/L	11/04/25 12:21	VV110425
541-73-1	1,3-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
106-46-7	1,4-Dichlorobenzene	1.00	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425
95-50-1	1,2-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	1	0.53	1.00	ug/L	11/04/25 12:21	VV110425
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.1			74 - 125	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.3			75 - 124	101%	SPK: 50		
2037-26-5	Toluene-d8	48.6			86 - 113	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			77 - 121	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	1060000							
540-36-3	1,4-Difluorobenzene	1970000							
3114-55-4	Chlorobenzene-d5	1790000							
3855-82-1	1,4-Dichlorobenzene-d4	829000							

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_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Time: Nov 05 00:32:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

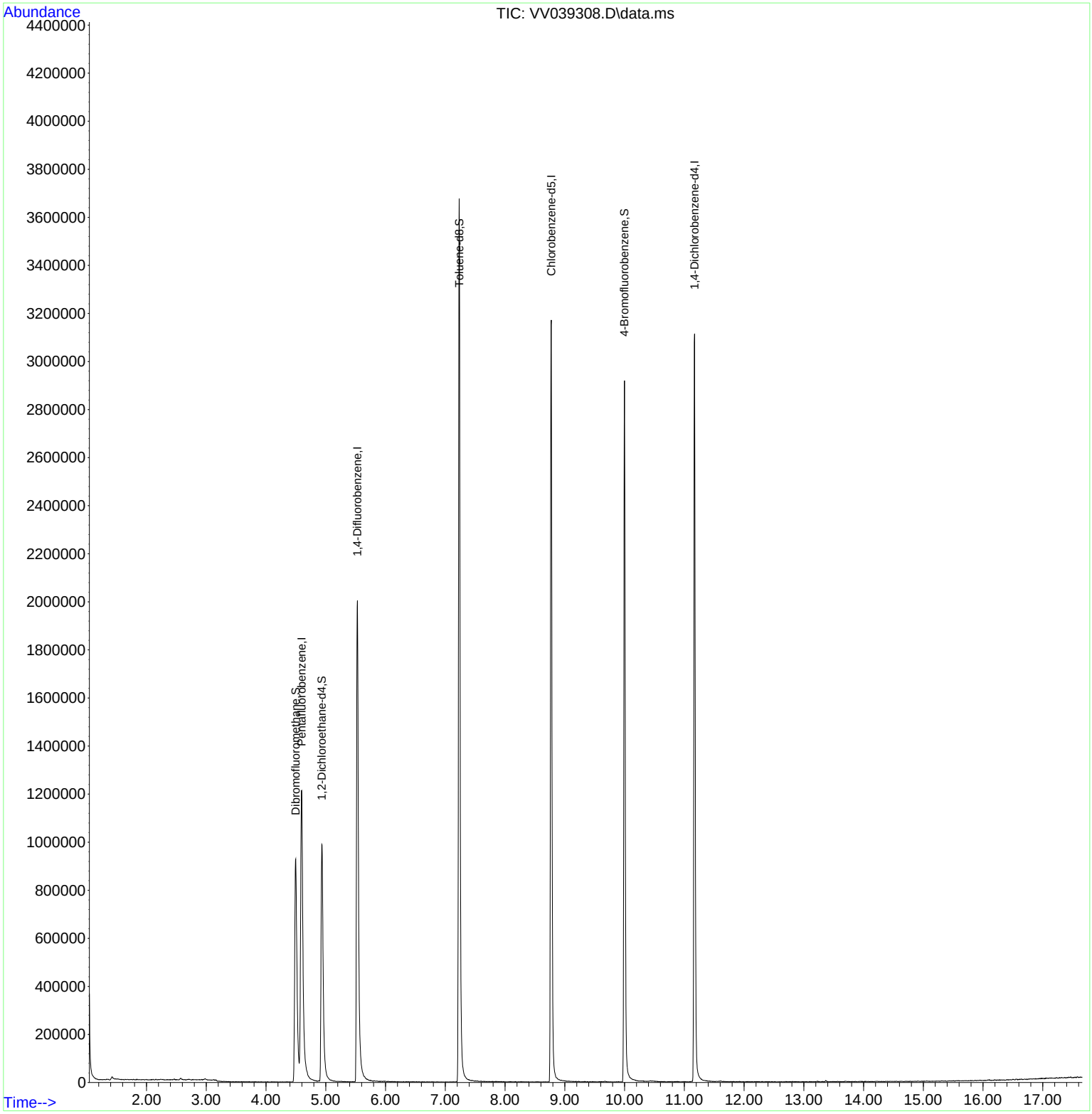
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	1064589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1972523	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1793346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	828938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	878179	58.053	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 116.100%			
35) Dibromofluoromethane	4.497	113	782028	50.317	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.640%			
50) Toluene-d8	7.233	98	2570057	48.608	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 97.220%			
62) 4-Bromofluorobenzene	9.998	95	975805	51.821	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 103.640%			
Target Compounds						Qvalue

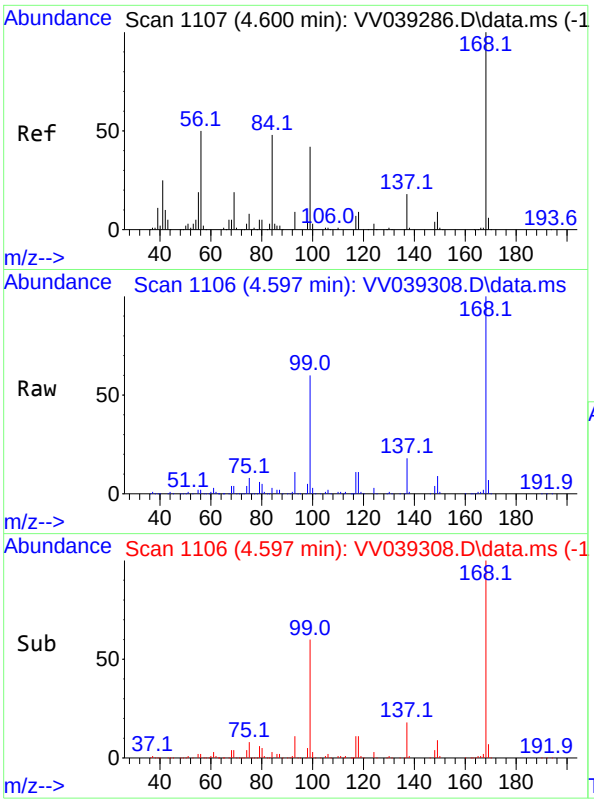
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Time: Nov 05 00:32:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



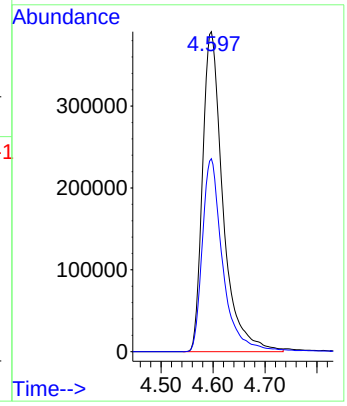


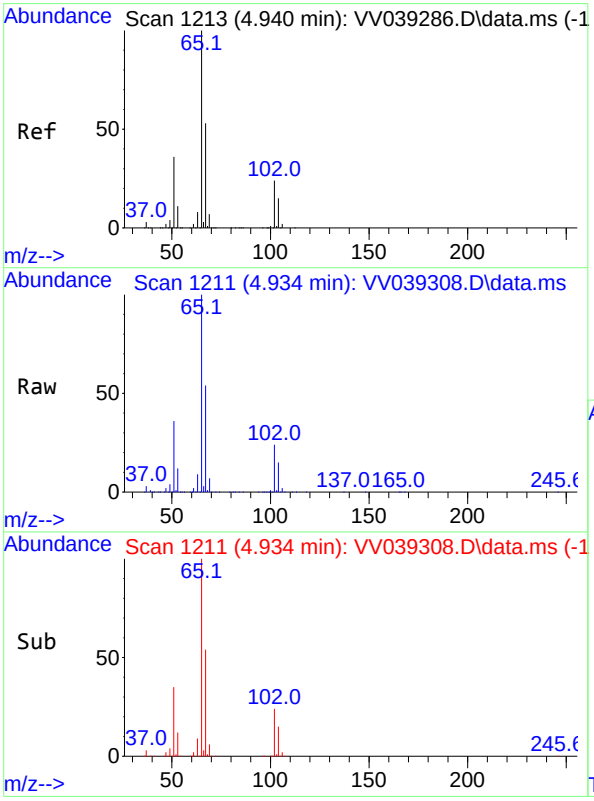
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.597 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Tgt Ion:168 Resp: 1064589

Ion	Ratio	Lower	Upper
168	100		
99	60.3	46.6	70.0

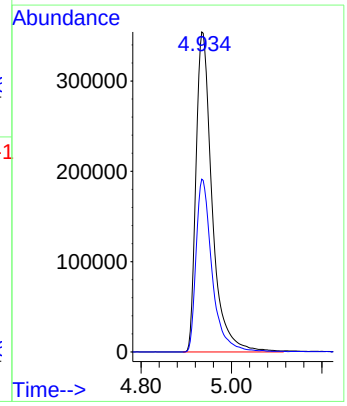


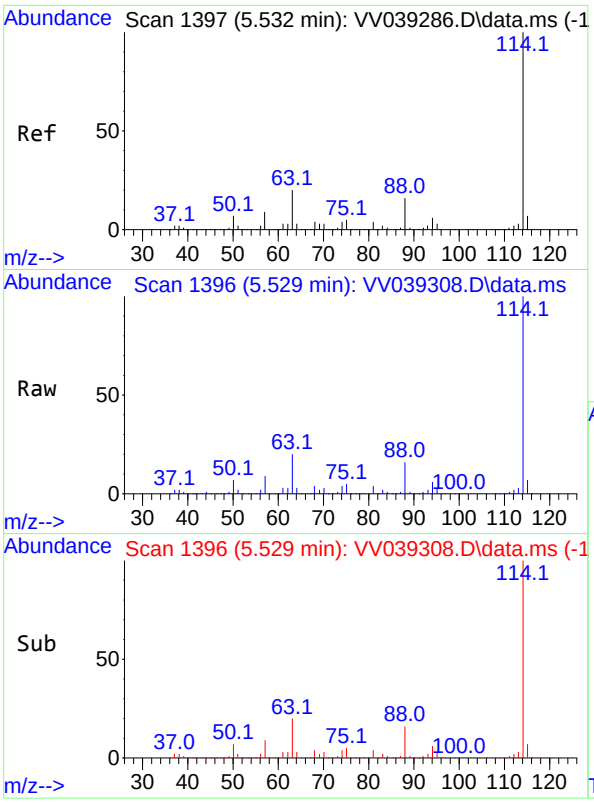


#33
1,2-Dichloroethane-d4
Concen: 58.053 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion: 65 Resp: 878179

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4



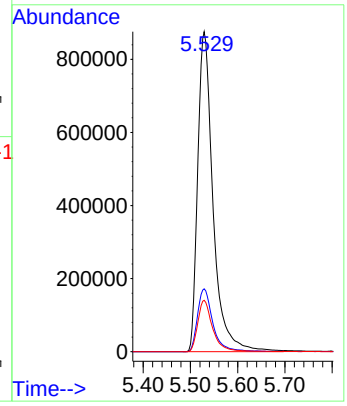


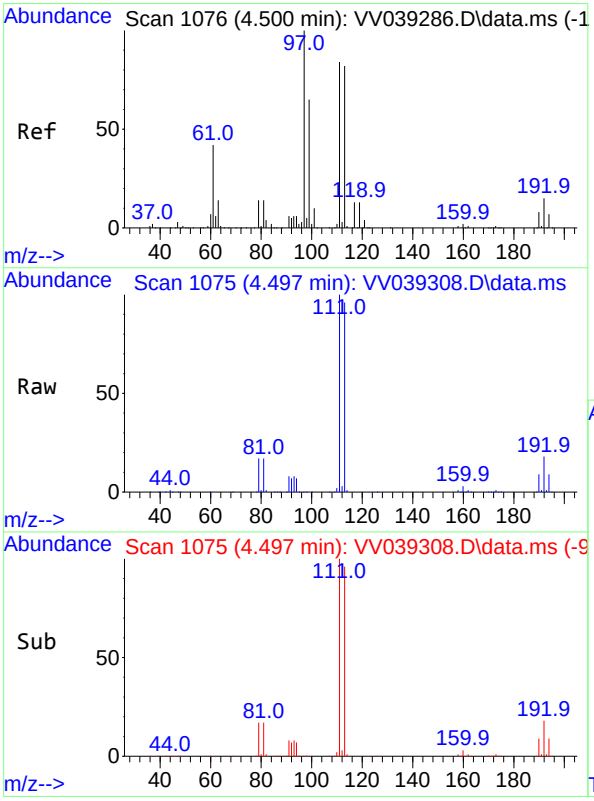
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Tgt Ion:114 Resp: 1972523

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	16.0	0.0	31.6

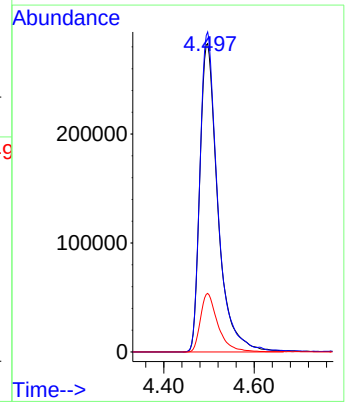


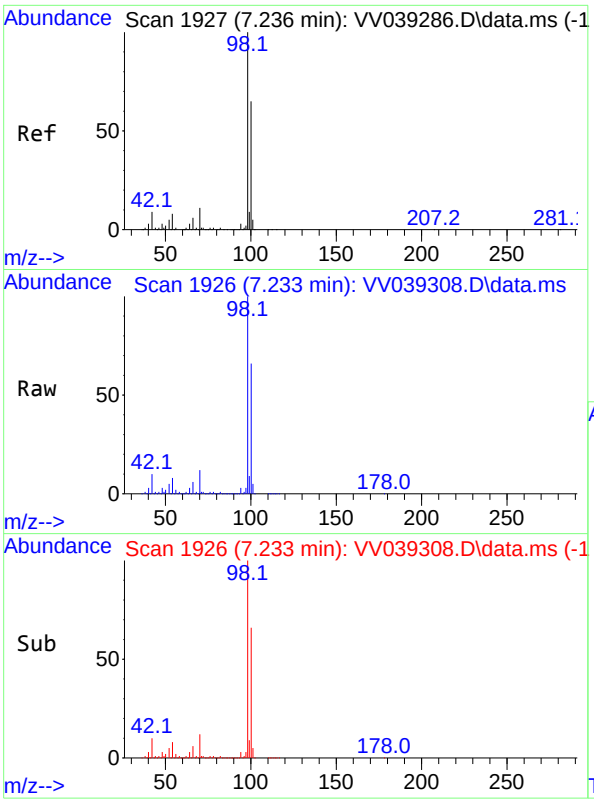


#35
Dibromofluoromethane
Concen: 50.317 ug/l
RT: 4.497 min Scan# 1075
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion:113 Resp: 782028

Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.0	123.0
192	18.5	14.3	21.5



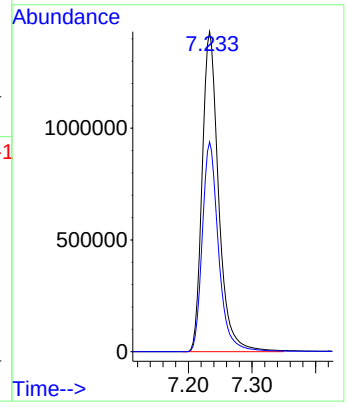


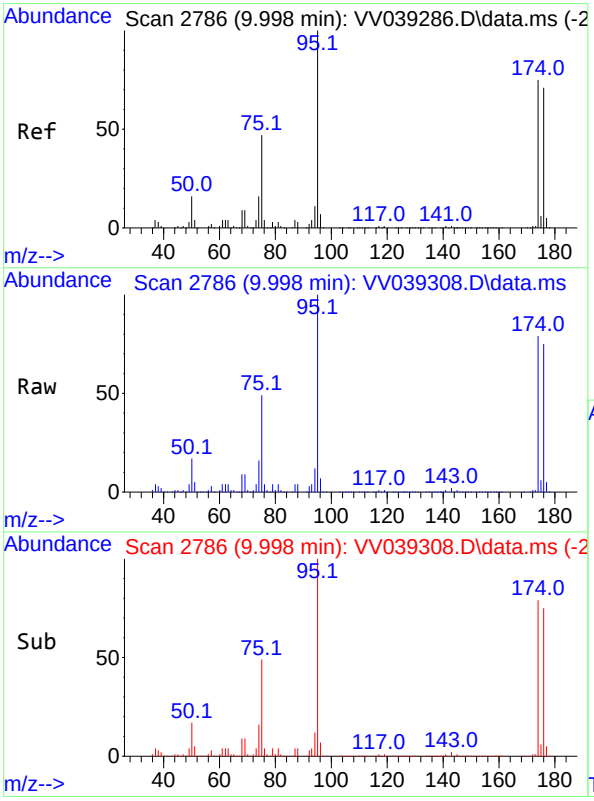
#50
Toluene-d8
Concen: 48.608 ug/l
RT: 7.233 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Tgt Ion: 98 Resp: 2570057

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.8	79.2

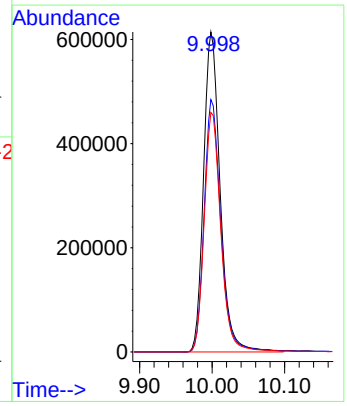


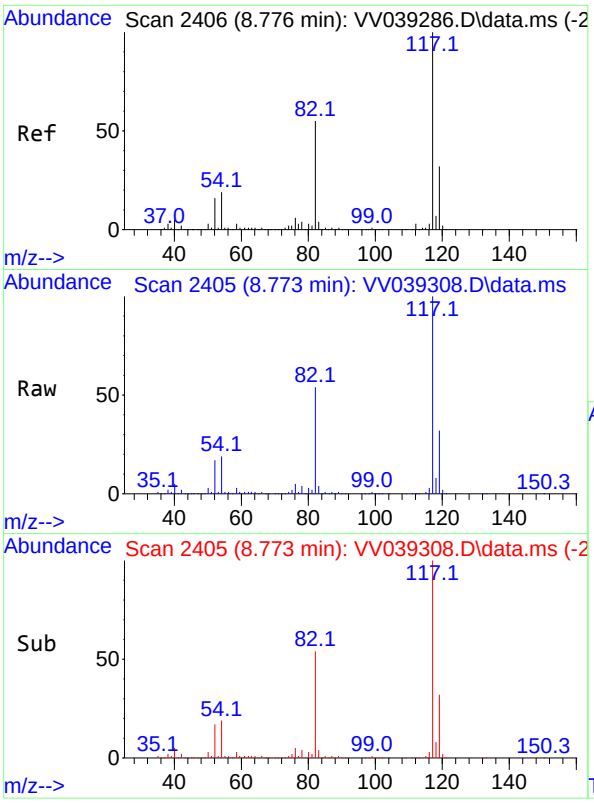


#62
4-Bromofluorobenzene
Concen: 51.821 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion: 95 Resp: 975805

Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	153.6
176	75.3	0.0	146.0



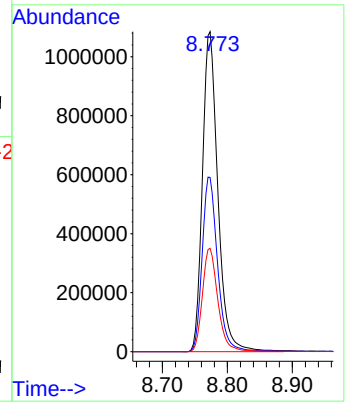


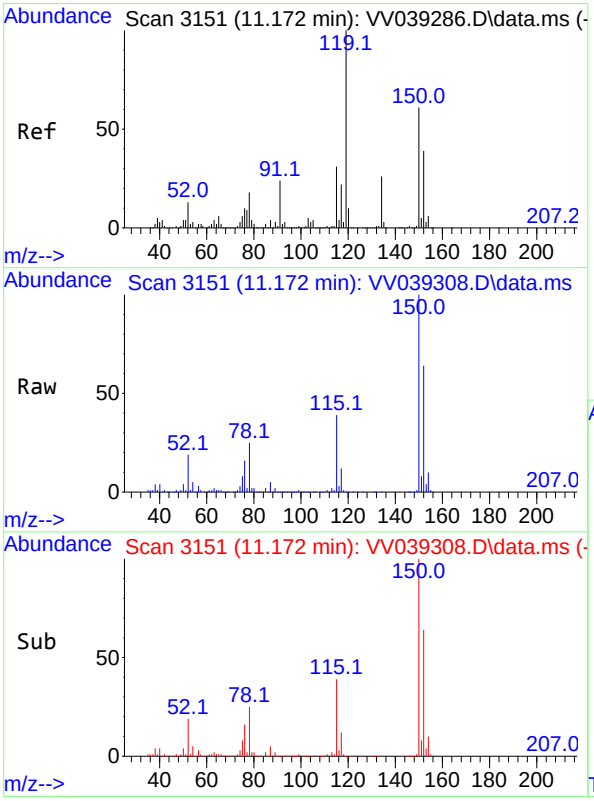
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Tgt Ion:117 Resp: 1793346

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.8
119	32.3	25.8	38.6

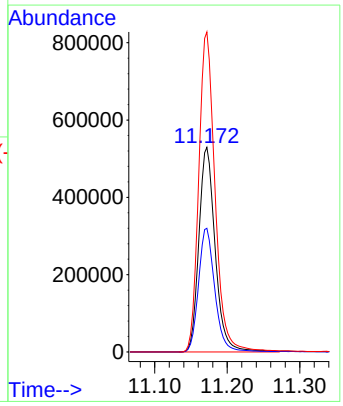




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion:152 Resp: 828938

Ion	Ratio	Lower	Upper
152	100		
115	60.4	42.3	126.8
150	156.6	0.0	348.0



Sample Results: **VV039308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039308.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.497	1053	1075	1093	rBV	927150	2433348	36.59%	7.089%
2	4.597	1094	1106	1170	rVB	1208791	3387634	50.94%	9.870%
3	4.934	1199	1211	1257	rBV	984480	2442010	36.72%	7.115%
4	5.529	1382	1396	1444	rBV	2001631	4548739	68.40%	13.252%
5	7.233	1914	1926	1971	rBV	3674102	6650660	100.00%	19.376%
6	8.773	2393	2405	2432	rBV	3170280	5283401	79.44%	15.393%
7	9.998	2774	2786	2814	rBV	2918411	4674300	70.28%	13.618%
8	11.172	3139	3151	3186	rBV	3110574	4903835	73.73%	14.287%

Sum of corrected areas: 34323927

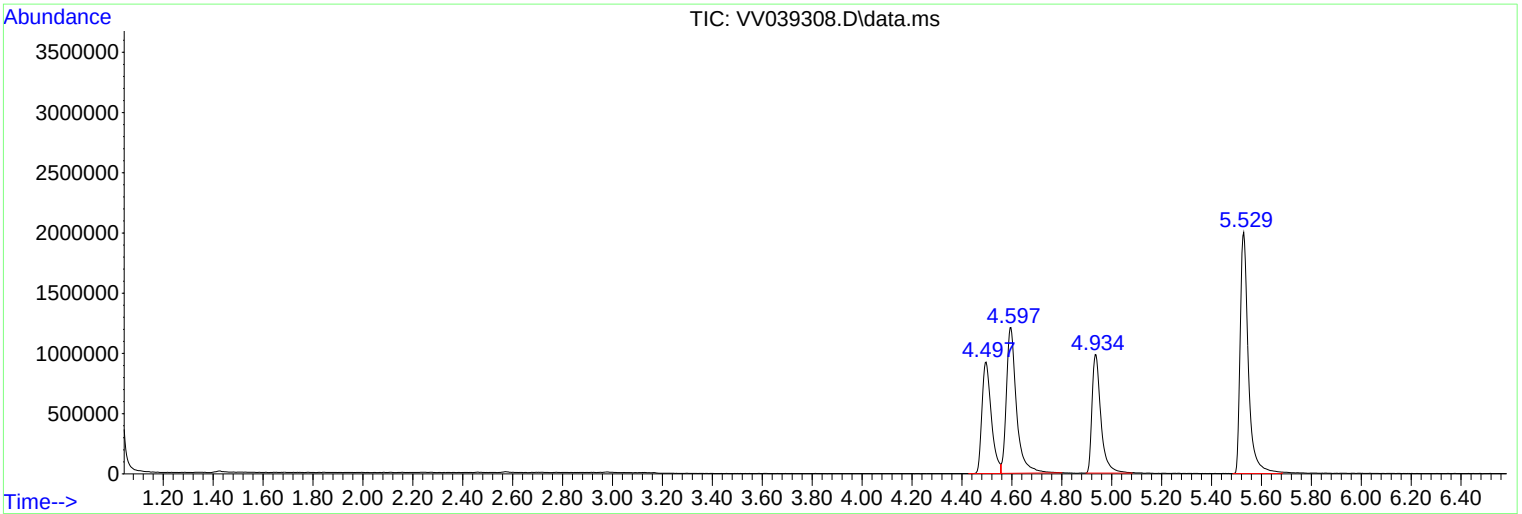
Sample Results: **VV039308.D**

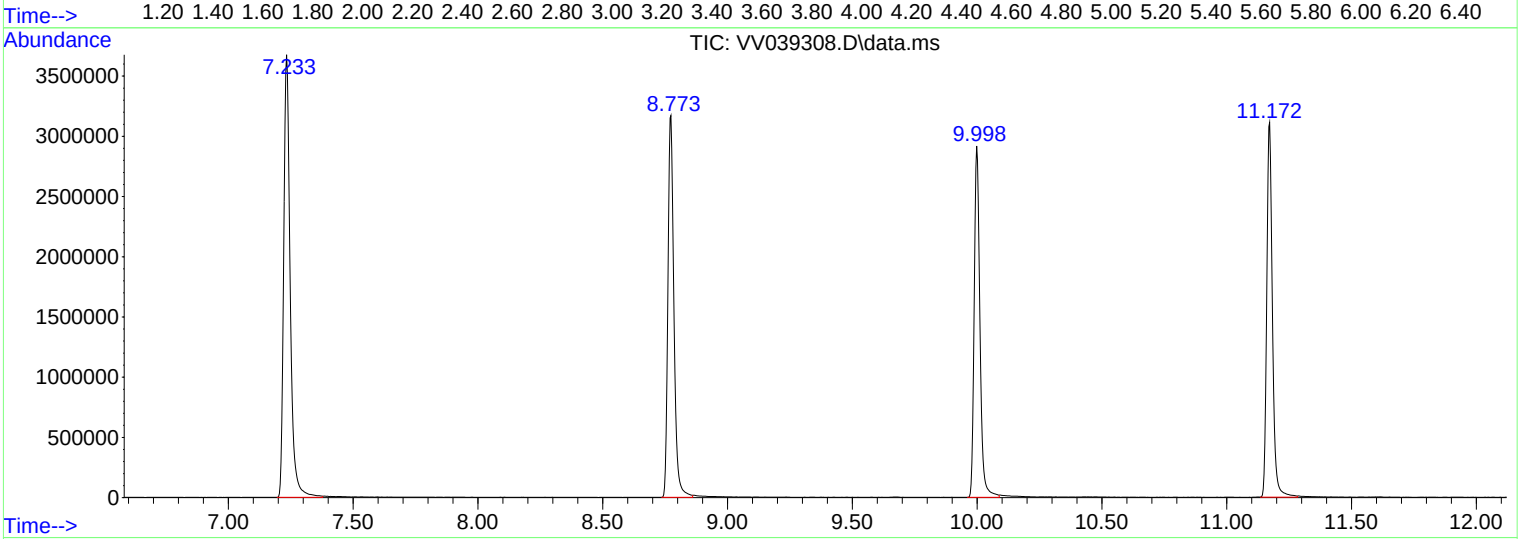
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

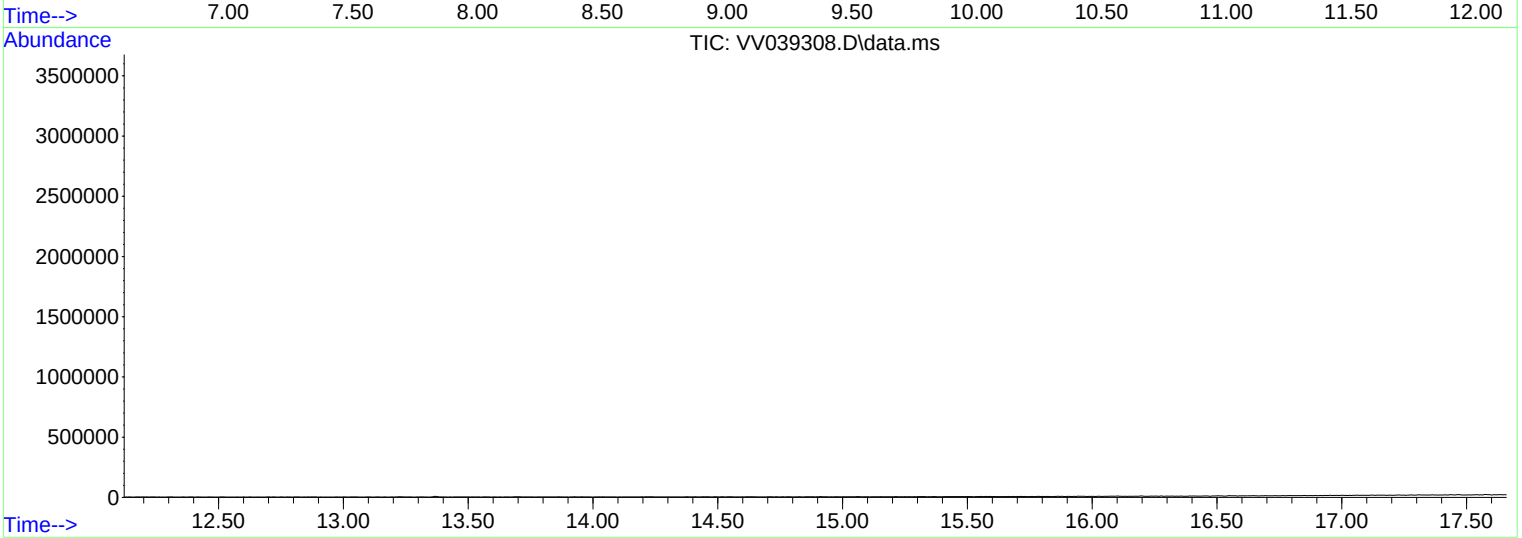
Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VV039308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VV039308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

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

Raw Data: **VY023560.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1024SBL01	SDG No.:	Q3434
Lab Sample ID:	VY1024SBL01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/24/25 09:24	VY102425
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/24/25 09:24	VY102425
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/24/25 09:24	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/24/25 09:24	VY102425
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/24/25 09:24	VY102425
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/24/25 09:24	VY102425
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/24/25 09:24	VY102425
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/24/25 09:24	VY102425
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/24/25 09:24	VY102425
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/24/25 09:24	VY102425
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/24/25 09:24	VY102425
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/24/25 09:24	VY102425
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/24/25 09:24	VY102425
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/24/25 09:24	VY102425
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/24/25 09:24	VY102425
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/24/25 09:24	VY102425
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/24/25 09:24	VY102425
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/24/25 09:24	VY102425
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/24/25 09:24	VY102425
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/24/25 09:24	VY102425
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/24/25 09:24	VY102425
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/24/25 09:24	VY102425
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/24/25 09:24	VY102425
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/24/25 09:24	VY102425
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/24/25 09:24	VY102425
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/24/25 09:24	VY102425
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/24/25 09:24	VY102425
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/24/25 09:24	VY102425
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/24/25 09:24	VY102425
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/24/25 09:24	VY102425
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/24/25 09:24	VY102425
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/24/25 09:24	VY102425
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/24/25 09:24	VY102425
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/24/25 09:24	VY102425
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/24/25 09:24	VY102425
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/24/25 09:24	VY102425
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/24/25 09:24	VY102425
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/24/25 09:24	VY102425

Raw Data: **VY023560.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1024SBL01	SDG No.:	Q3434
Lab Sample ID:	VY1024SBL01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	5.00	U	1	0.78	5.00	ug/Kg	10/24/25 09:24	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/24/25 09:24	VY102425
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/24/25 09:24	VY102425
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/24/25 09:24	VY102425
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/24/25 09:24	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/24/25 09:24	VY102425
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/24/25 09:24	VY102425
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/24/25 09:24	VY102425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	44.4			63 - 155	89%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			70 - 134	97%	SPK: 50		
2037-26-5	Toluene-d8	47.7			74 - 123	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	40.6			17 - 146	81%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	899000							
540-36-3	1,4-Difluorobenzene	1420000							
3114-55-4	Chlorobenzene-d5	1160000							
3855-82-1	1,4-Dichlorobenzene-d4	469000							

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_Y\Data\VY102425\
Data File : VY023560.D
Acq On : 24 Oct 2025 09:24
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Quant Time: Oct 24 23:46:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

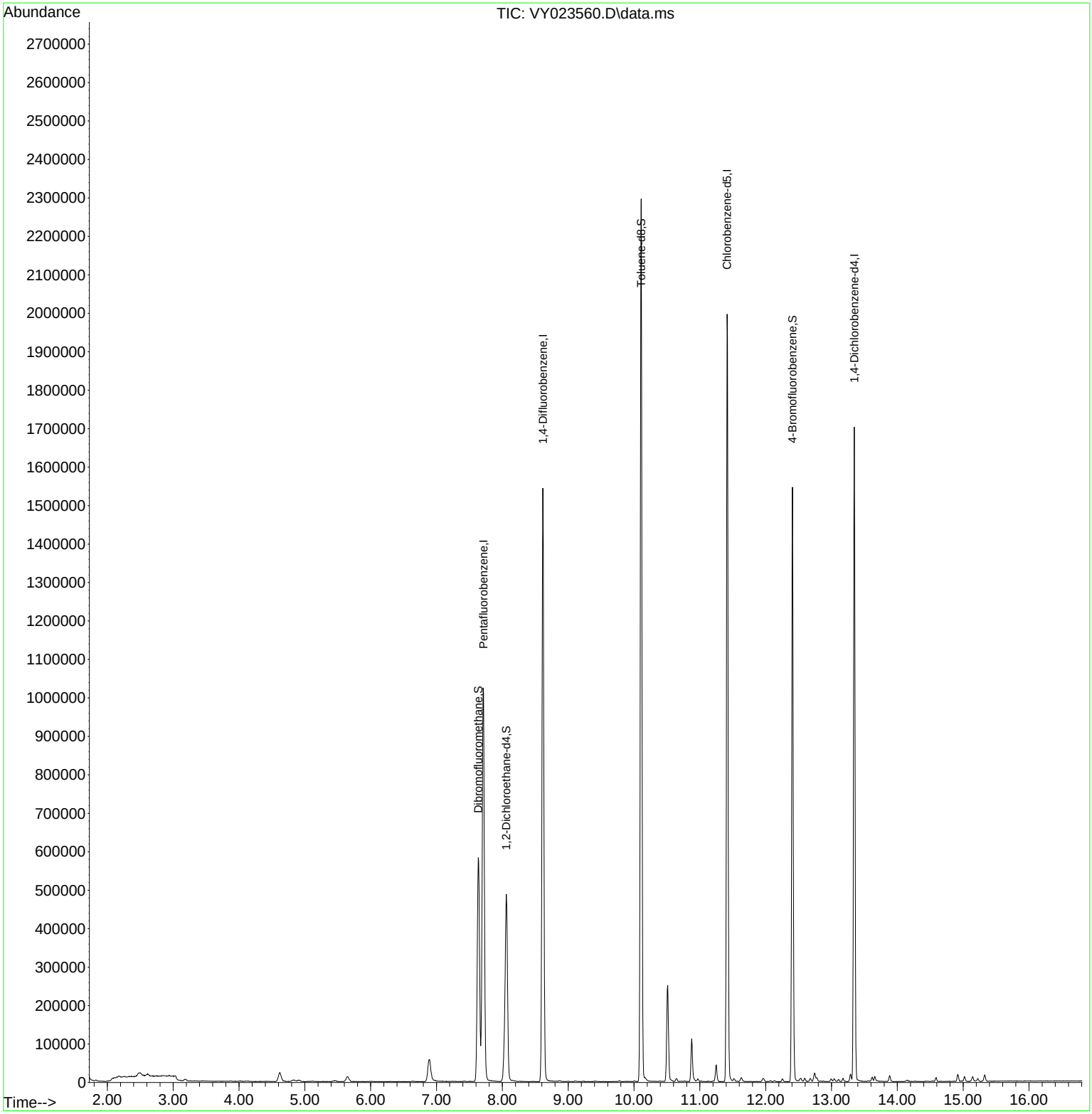
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	898566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1421897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1164716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	469443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	333317	44.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.720%		
35) Dibromofluoromethane	7.634	113	425849	48.742	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.480%		
50) Toluene-d8	10.109	98	1553516	47.746	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.500%		
62) 4-Bromofluorobenzene	12.408	95	436342	40.620	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.240%		
Target Compounds						Qvalue

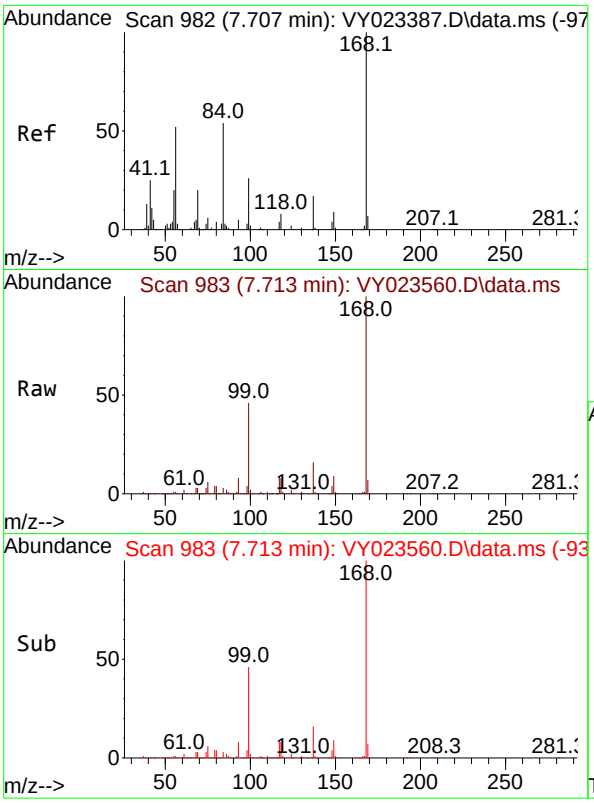
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023560.D
Acq On : 24 Oct 2025 09:24
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Quant Time: Oct 24 23:46:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



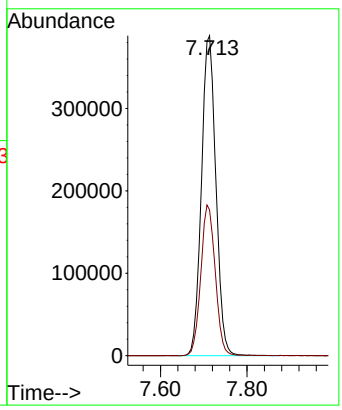


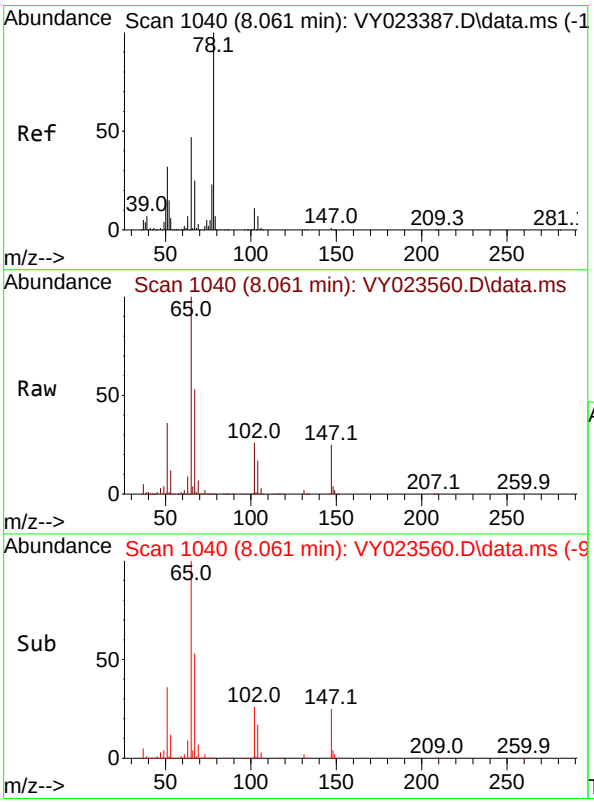
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Tgt Ion:168 Resp: 898566

Ion	Ratio	Lower	Upper
168	100		
99	45.5	39.7	59.5

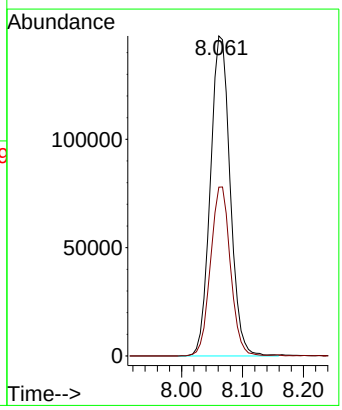


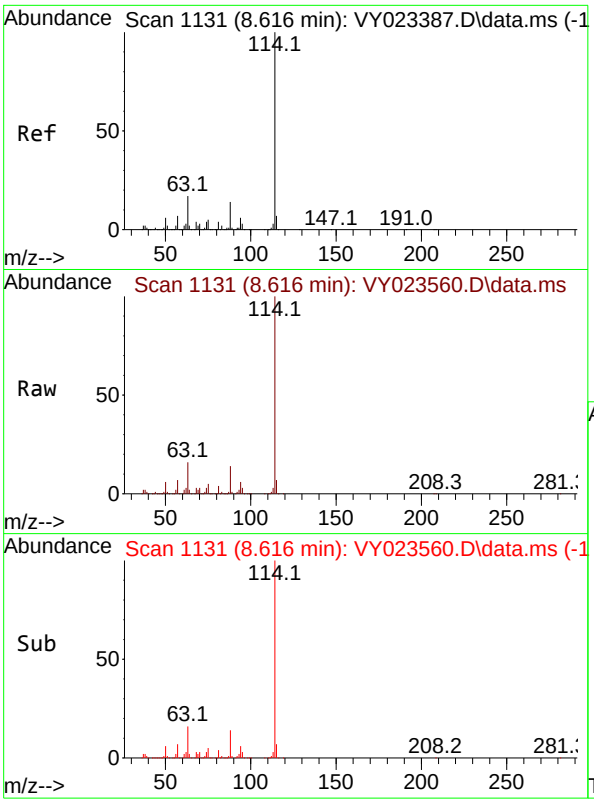


#33
1,2-Dichloroethane-d4
Concen: 44.360 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Tgt Ion: 65 Resp: 333317

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.8



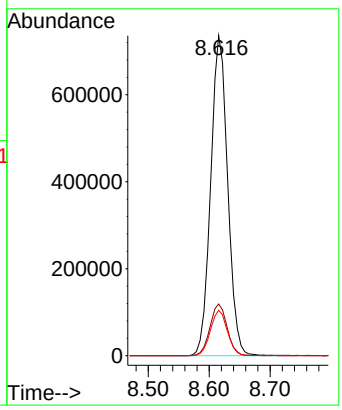


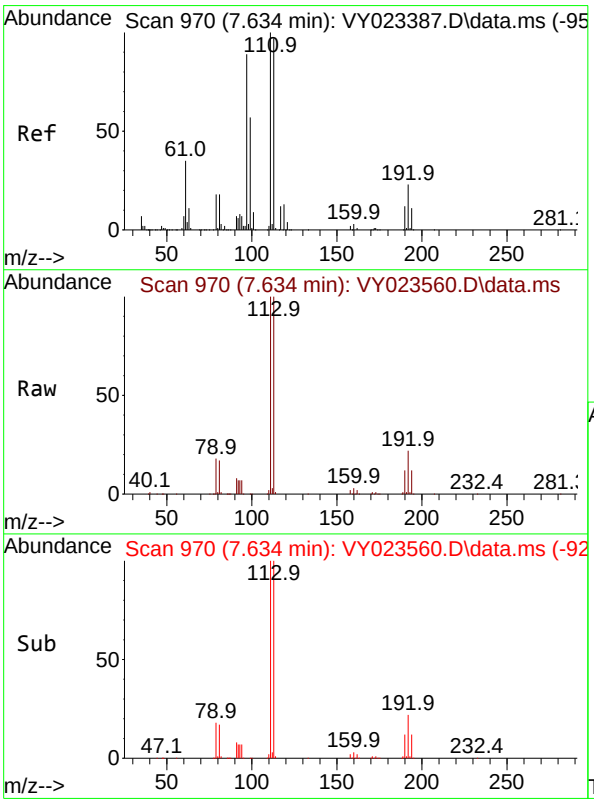
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Tgt Ion:114 Resp: 1421897

Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	34.2
88	14.2	0.0	28.4

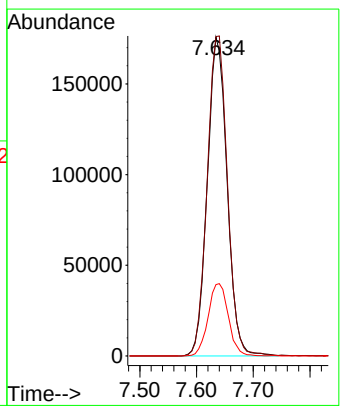


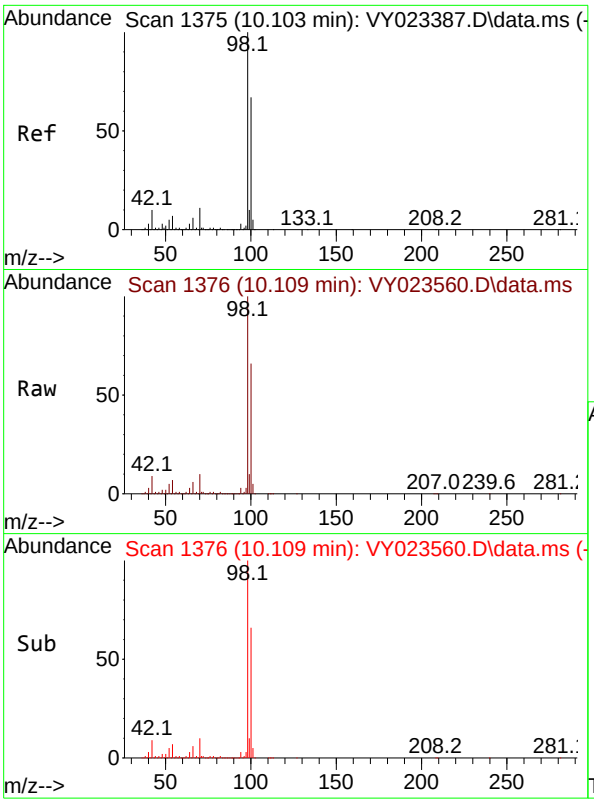


#35
Dibromofluoromethane
Concen: 48.742 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Tgt Ion:113 Resp: 425849

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	23.1	18.0	27.0



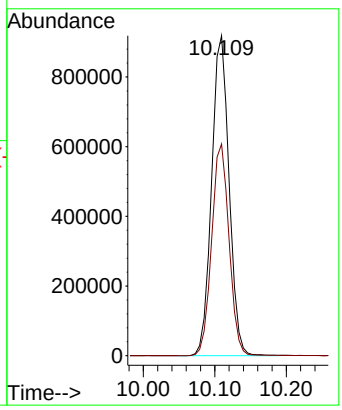


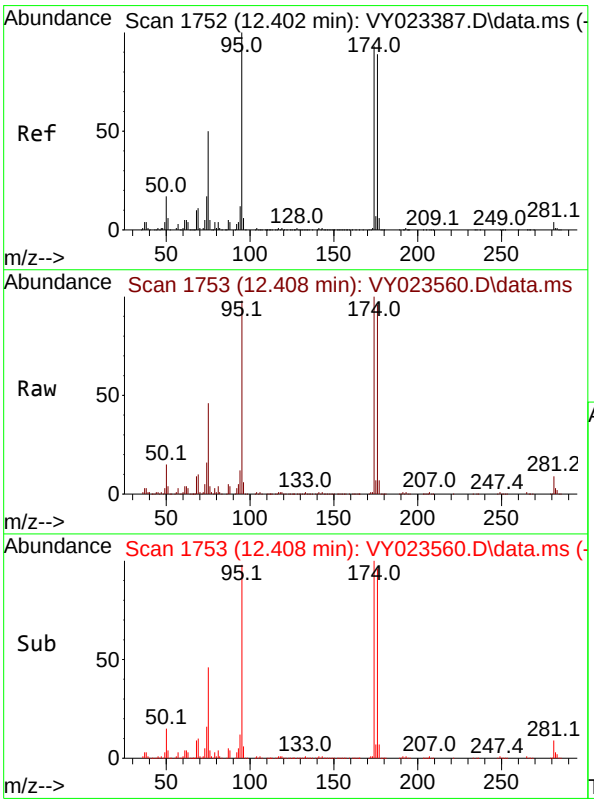
#50
Toluene-d8
Concen: 47.746 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Tgt Ion: 98 Resp: 1553516

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

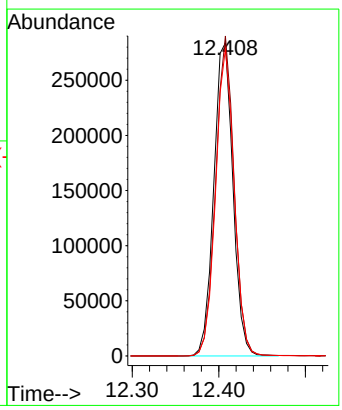


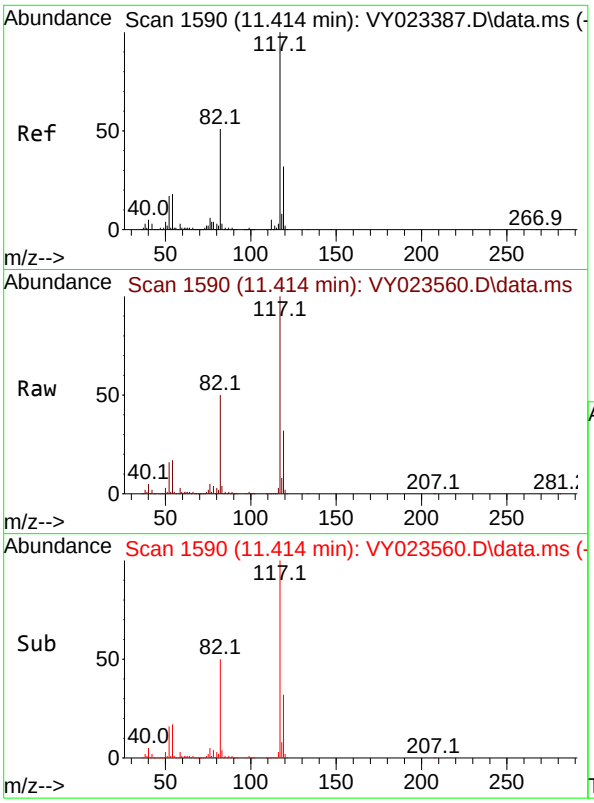


#62
4-Bromofluorobenzene
Concen: 40.620 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Tgt Ion: 95 Resp: 436342

Ion	Ratio	Lower	Upper
95	100		
174	98.8	0.0	192.8
176	95.5	0.0	187.6



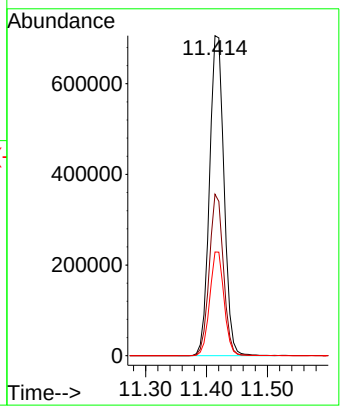


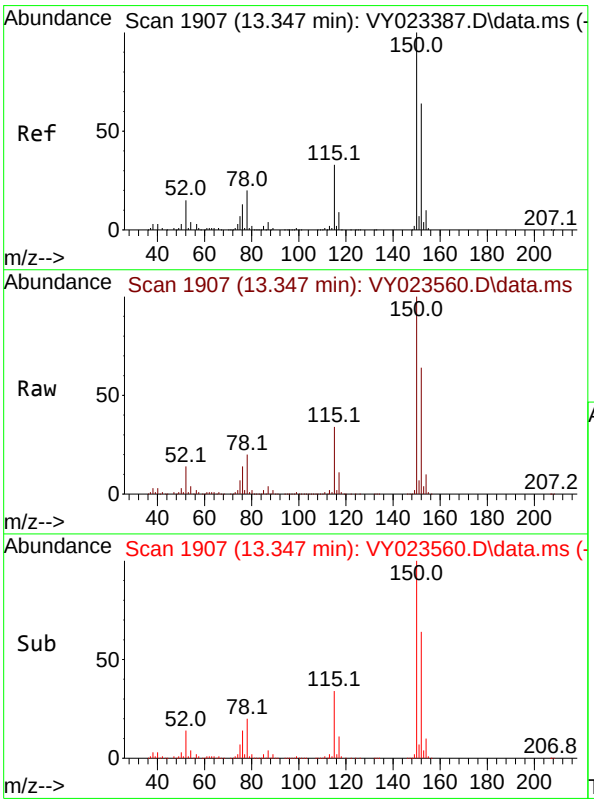
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Tgt Ion:117 Resp: 1164716

Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.0	61.4
119	32.4	25.6	38.4

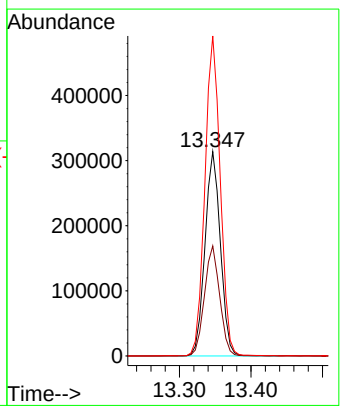




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023560.D
Acq: 24 Oct 2025 09:24

Tgt Ion:152 Resp: 469443

Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.1	81.2
150	155.8	0.0	347.4



Sample Results: **VY023560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023560.D
Acq On : 24 Oct 2025 09:24
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

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_Y\methods\82Y100725S.M
Title : SW846 8260

Signal : TIC: VY023560.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.622	465	476	484	rBV	23500	73265	1.87%	0.343%
2	6.890	836	848	860	rBV2	57489	192184	4.91%	0.899%
3	7.634	958	970	976	rBV	582068	1409766	36.01%	6.595%
4	7.707	976	982	999	rVB	1021907	2379711	60.78%	11.132%
5	8.061	1025	1040	1053	rBV2	487402	1304536	33.32%	6.103%
6	8.616	1121	1131	1144	rBV	1543129	3000570	76.64%	14.037%
7	10.109	1367	1376	1384	rBV	2295340	3915079	100.00%	18.315%
8	10.512	1434	1442	1457	rVB	250078	477374	12.19%	2.233%
9	10.877	1495	1502	1511	rBV	112004	193115	4.93%	0.903%
10	11.249	1557	1563	1572	rVB	42891	75455	1.93%	0.353%
11	11.414	1582	1590	1603	rBV	1995280	3266102	83.42%	15.279%
12	12.408	1745	1753	1766	rBV2	1545769	2453272	62.66%	11.477%
13	12.743	1802	1808	1812	rBV4	20819	41230	1.05%	0.193%
14	13.347	1901	1907	1922	rVB	1700901	2594749	66.28%	12.138%

Sum of corrected areas: 21376408

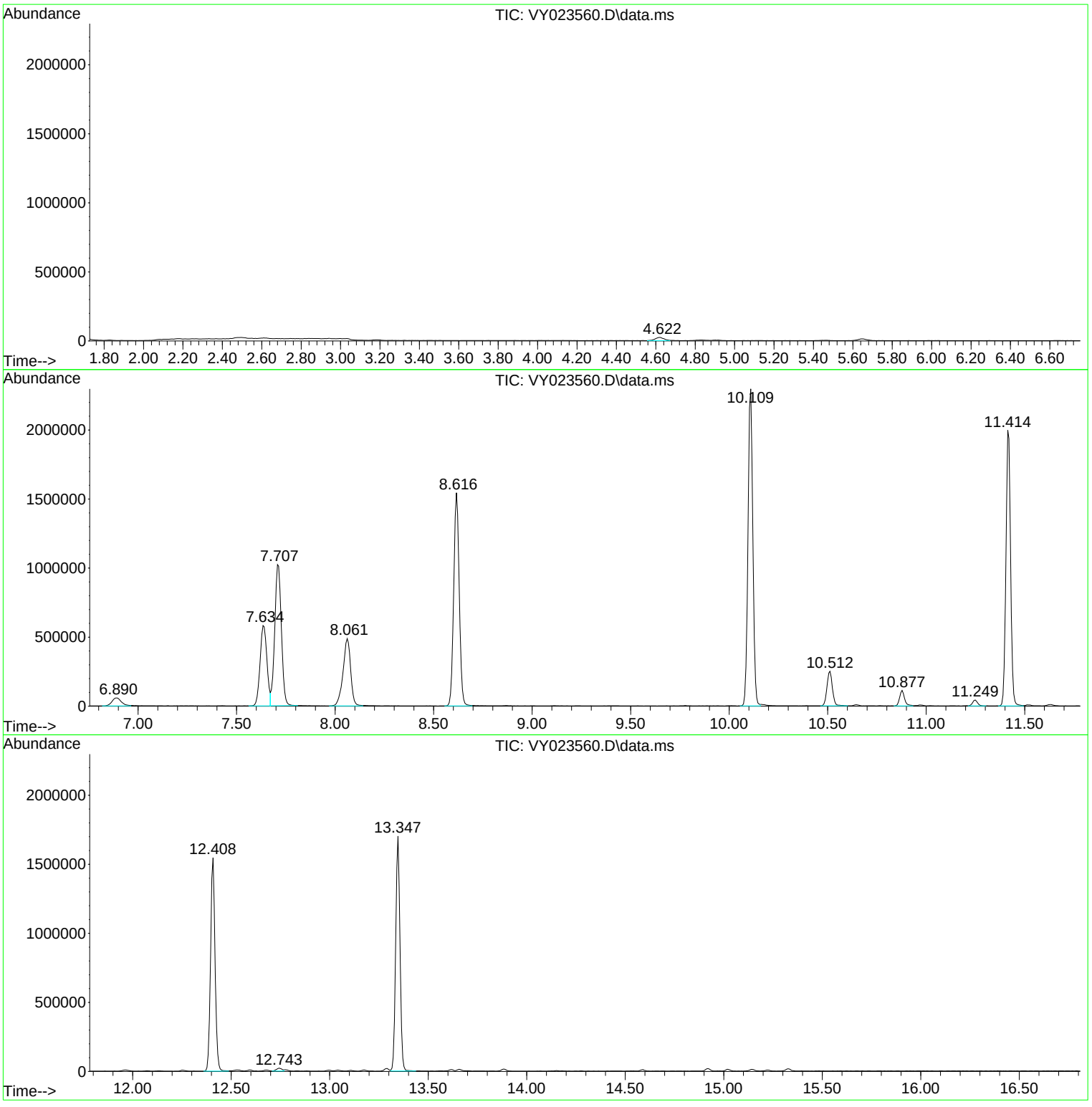
Sample Results: **VY023560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023560.D
Acq On : 24 Oct 2025 09:24
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023560.D
Acq On : 24 Oct 2025 09:24
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.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_Y\Data\VY102425\
Data File : VY023560.D
Acq On : 24 Oct 2025 09:24
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

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

Raw Data: **VV039309.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VV1104WBS01	SDG No.:	Q3434
Lab Sample ID:	VV1104WBS01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	16.2		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/04/25 12:49	VV110425
75-01-4	Vinyl Chloride	16.8		1	0.26	1.00	ug/L	11/04/25 12:49	VV110425
74-83-9	Bromomethane	18.8		1	1.40	5.00	ug/L	11/04/25 12:49	VV110425
75-00-3	Chloroethane	19.0		1	0.47	1.00	ug/L	11/04/25 12:49	VV110425
75-69-4	Trichlorofluoromethane	17.4		1	0.33	1.00	ug/L	11/04/25 12:49	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
75-35-4	1,1-Dichloroethene	16.8		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
67-64-1	Acetone	78.3		1	1.50	5.00	ug/L	11/04/25 12:49	VV110425
75-15-0	Carbon Disulfide	17.3		1	0.21	1.00	ug/L	11/04/25 12:49	VV110425
1634-04-4	Methyl tert-butyl Ether	17.5		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
79-20-9	Methyl Acetate	14.2		1	0.27	1.00	ug/L	11/04/25 12:49	VV110425
75-09-2	Methylene Chloride	19.1		1	0.28	1.00	ug/L	11/04/25 12:49	VV110425
156-60-5	trans-1,2-Dichloroethene	17.4		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
75-34-3	1,1-Dichloroethane	17.4		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
110-82-7	Cyclohexane	18.3		1	1.50	5.00	ug/L	11/04/25 12:49	VV110425
78-93-3	2-Butanone	76.2		1	0.98	5.00	ug/L	11/04/25 12:49	VV110425
56-23-5	Carbon Tetrachloride	18.3		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
156-59-2	cis-1,2-Dichloroethene	18.1		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425
74-97-5	Bromochloromethane	17.4		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
67-66-3	Chloroform	17.5		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
71-55-6	1,1,1-Trichloroethane	17.8		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
108-87-2	Methylcyclohexane	17.7		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
107-06-2	1,2-Dichloroethane	18.0		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
79-01-6	Trichloroethene	18.6		1	0.090	1.00	ug/L	11/04/25 12:49	VV110425
78-87-5	1,2-Dichloropropane	19.5		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
75-27-4	Bromodichloromethane	18.3		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
108-10-1	4-Methyl-2-Pentanone	86.1		1	0.68	5.00	ug/L	11/04/25 12:49	VV110425
108-88-3	Toluene	19.7		1	0.14	1.00	ug/L	11/04/25 12:49	VV110425
10061-02-6	t-1,3-Dichloropropene	18.8		1	0.17	1.00	ug/L	11/04/25 12:49	VV110425
10061-01-5	cis-1,3-Dichloropropene	19.4		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
79-00-5	1,1,2-Trichloroethane	18.0		1	0.21	1.00	ug/L	11/04/25 12:49	VV110425
591-78-6	2-Hexanone	83.8		1	0.89	5.00	ug/L	11/04/25 12:49	VV110425
124-48-1	Dibromochloromethane	18.3		1	0.18	1.00	ug/L	11/04/25 12:49	VV110425
106-93-4	1,2-Dibromoethane	18.5		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
127-18-4	Tetrachloroethene	18.6		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
108-90-7	Chlorobenzene	18.3		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
100-41-4	Ethyl Benzene	18.7		1	0.13	1.00	ug/L	11/04/25 12:49	VV110425
179601-23-1	m/p-Xylenes	39.6		1	0.24	2.00	ug/L	11/04/25 12:49	VV110425
95-47-6	o-Xylene	18.7		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
100-42-5	Styrene	19.8		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
75-25-2	Bromoform	17.9		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425

Raw Data: **VV039309.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VV1104WBS01	SDG No.:	Q3434
Lab Sample ID:	VV1104WBS01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.2		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	16.2		1	0.26	1.00	ug/L	11/04/25 12:49	VV110425
541-73-1	1,3-Dichlorobenzene	18.7		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
106-46-7	1,4-Dichlorobenzene	17.9		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	14.9		1	0.53	1.00	ug/L	11/04/25 12:49	VV110425
120-82-1	1,2,4-Trichlorobenzene	17.9		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
87-61-6	1,2,3-Trichlorobenzene	17.3		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.1			74 - 125	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.1			75 - 124	100%	SPK: 50		
2037-26-5	Toluene-d8	52.5			86 - 113	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.7			77 - 121	107%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	733000							
540-36-3	1,4-Difluorobenzene	1150000							
3114-55-4	Chlorobenzene-d5	1130000							
3855-82-1	1,4-Dichlorobenzene-d4	636000							

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_V\DATA\VV110425\
Data File : VV039309.D
Acq On : 04 Nov 2025 12:49
Operator : SY/MD
Sample : VV1104WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	733220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1149929	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1129519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	636116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	511281	49.074	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 98.140%			
35) Dibromofluoromethane	4.497	113	453890	50.095	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.180%			
50) Toluene-d8	7.233	98	1616726	52.451	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 104.900%			
62) 4-Bromofluorobenzene	9.998	95	589312	53.683	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 107.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	150088	16.195	ug/l	99
3) Chloromethane	1.230	50	170270	17.647	ug/l	97
4) Vinyl Chloride	1.298	62	184720	16.781	ug/l	100
5) Bromomethane	1.500	94	134477	18.829	ug/l	99
6) Chloroethane	1.561	64	123716	18.962	ug/l	97
7) Trichlorofluoromethane	1.728	101	292963	17.422	ug/l	99
8) Diethyl Ether	1.918	74	100661	16.565	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.082	101	182519	18.127	ug/l	99
10) Methyl Iodide	2.198	142	171240	19.739	ug/l	99
11) Tert butyl alcohol	2.561	59	96173	47.632	ug/l	99
12) 1,1-Dichloroethene	2.082	96	166090	16.800	ug/l	98
13) Acrolein	2.011	56	41461	29.385	ug/l	100
14) Allyl chloride	2.359	41	260264	16.606	ug/l	99
15) Acrylonitrile	2.674	53	459816	76.793	ug/l	99
16) Acetone	2.118	43	413309	78.304	ug/l	99
17) Carbon Disulfide	2.253	76	483660	17.320	ug/l	100
18) Methyl Acetate	2.378	43	191593	14.191	ug/l	98
19) Methyl tert-butyl Ether	2.709	73	519738	17.466	ug/l	100
20) Methylene Chloride	2.455	84	189332	19.107	ug/l	99
21) trans-1,2-Dichloroethene	2.703	96	180695	17.359	ug/l	98
22) Diisopropyl ether	3.211	45	518348	18.421	ug/l #	70
23) Vinyl Acetate	3.188	43	2239012	90.638	ug/l	100
24) 1,1-Dichloroethane	3.118	63	328316	17.416	ug/l	99
25) 2-Butanone	3.863	43	485792	76.243	ug/l	99
26) 2,2-Dichloropropane	3.809	77	271540	17.884	ug/l	100
27) cis-1,2-Dichloroethene	3.818	96	188276	18.064	ug/l	99
28) Bromochloromethane	4.146	49	139950	17.413	ug/l	99
29) Tetrahydrofuran	4.233	42	306767	75.300	ug/l	99
30) Chloroform	4.278	83	336927	17.526	ug/l	97
31) Cyclohexane	4.584	56	251508	18.317	ug/l	95
32) 1,1,1-Trichloroethane	4.510	97	299853	17.840	ug/l	99
36) 1,1-Dichloropropene	4.744	75	202258	17.773	ug/l	98
37) Ethyl Acetate	3.976	43	204626	15.359	ug/l	98
38) Carbon Tetrachloride	4.732	117	254185	18.333	ug/l	96
39) Methylcyclohexane	6.043	83	229820	17.670	ug/l	99
40) Benzene	5.008	78	686424	18.797	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039309.D
Acq On : 04 Nov 2025 12:49
Operator : SY/MD
Sample : VV1104WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.159	41	83940	15.924	ug/l		93
42) 1,2-Dichloroethane	5.040	62	230824	18.010	ug/l		99
43) Isopropyl Acetate	5.191	43	305041	17.489	ug/l		100
44) Trichloroethene	5.831	130	170962	18.617	ug/l		95
45) 1,2-Dichloropropane	6.088	63	173680	19.546	ug/l		98
46) Dibromomethane	6.227	93	132973	17.903	ug/l		98
47) Bromodichloromethane	6.426	83	267149	18.255	ug/l		99
48) Methyl methacrylate	6.297	41	128547	15.908	ug/l		98
49) 1,4-Dioxane	6.291	88	23507m	174.875	ug/l		
51) 4-Methyl-2-Pentanone	7.146	43	1042286	86.132	ug/l		98
52) Toluene	7.307	92	435082	19.733	ug/l		100
53) t-1,3-Dichloropropene	7.574	75	240904	18.836	ug/l		98
54) cis-1,3-Dichloropropene	6.947	75	275230	19.356	ug/l		100
55) 1,1,2-Trichloroethane	7.760	97	178823	17.961	ug/l		98
56) Ethyl methacrylate	7.715	69	208276	18.465	ug/l		99
57) 1,3-Dichloropropane	7.934	76	282493	18.803	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.809	63	616357	95.710	ug/l		99
59) 2-Hexanone	8.063	43	744076	83.755	ug/l		99
60) Dibromochloromethane	8.166	129	213236	18.318	ug/l		98
61) 1,2-Dibromoethane	8.272	107	191275	18.451	ug/l		99
64) Tetrachloroethene	7.895	164	153069	18.578	ug/l		98
65) Chlorobenzene	8.802	112	488115	18.255	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.895	131	179594	17.931	ug/l		98
67) Ethyl Benzene	8.934	91	735503	18.673	ug/l		99
68) m/p-Xylenes	9.059	106	618237	39.575	ug/l		99
69) o-Xylene	9.468	106	257329	18.653	ug/l		95
70) Styrene	9.487	104	486737	19.829	ug/l		99
71) Bromoform	9.654	173	144690	17.863	ug/l	#	97
73) Isopropylbenzene	9.854	105	741892	19.206	ug/l		100
74) N-amyl acetate	9.725	43	260778	16.384	ug/l		98
75) 1,1,2,2-Tetrachloroethane	10.165	83	287138	16.187	ug/l		99
76) 1,2,3-Trichloropropane	10.198	75	207338	16.331	ug/l		94
77) Bromobenzene	10.140	156	202408	19.061	ug/l		99
78) n-propylbenzene	10.275	91	901629	19.237	ug/l		100
79) 2-Chlorotoluene	10.346	91	555299	19.189	ug/l		99
80) 1,3,5-Trimethylbenzene	10.464	105	637404	19.675	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.928	75	84401	16.789	ug/l		96
82) 4-Chlorotoluene	10.461	91	660634	19.862	ug/l		99
83) tert-Butylbenzene	10.789	119	578625	17.987	ug/l		98
84) 1,2,4-Trimethylbenzene	10.837	105	620103	19.443	ug/l		99
85) sec-Butylbenzene	11.011	105	746311	18.349	ug/l		100
86) p-Isopropyltoluene	11.165	119	646871	18.498	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	395972	18.695	ug/l		99
88) 1,4-Dichlorobenzene	11.194	146	423406	17.862	ug/l		99
89) n-Butylbenzene	11.580	91	567146	17.415	ug/l		98
90) Hexachloroethane	11.818	117	145066	16.776	ug/l		99
91) 1,2-Dichlorobenzene	11.567	146	365350	18.133	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	54508	14.944	ug/l		97
93) 1,2,4-Trichlorobenzene	13.185	180	200695	17.860	ug/l		99
94) Hexachlorobutadiene	13.368	225	81939	14.400	ug/l		98
95) Naphthalene	13.426	128	602988	16.378	ug/l		100
96) 1,2,3-Trichlorobenzene	13.664	180	202409	17.331	ug/l		97

Sample Results: **VV039309.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039309.D
Acq On : 04 Nov 2025 12:49
Operator : SY/MD
Sample : VV1104WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

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

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

Sample Results: **VV039309.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039309.D
Acq On : 04 Nov 2025 12:49
Operator : SY/MD
Sample : VV1104WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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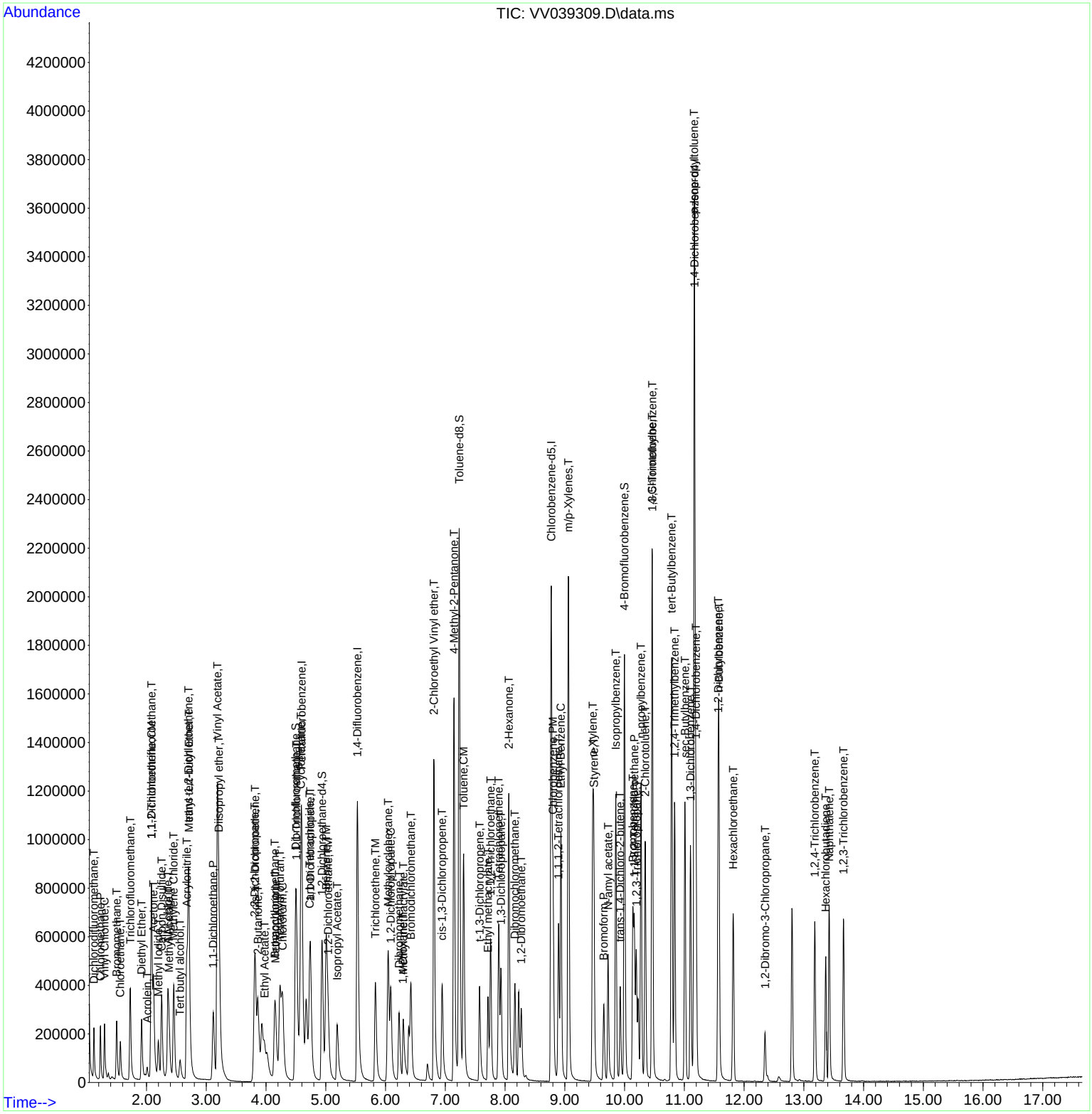
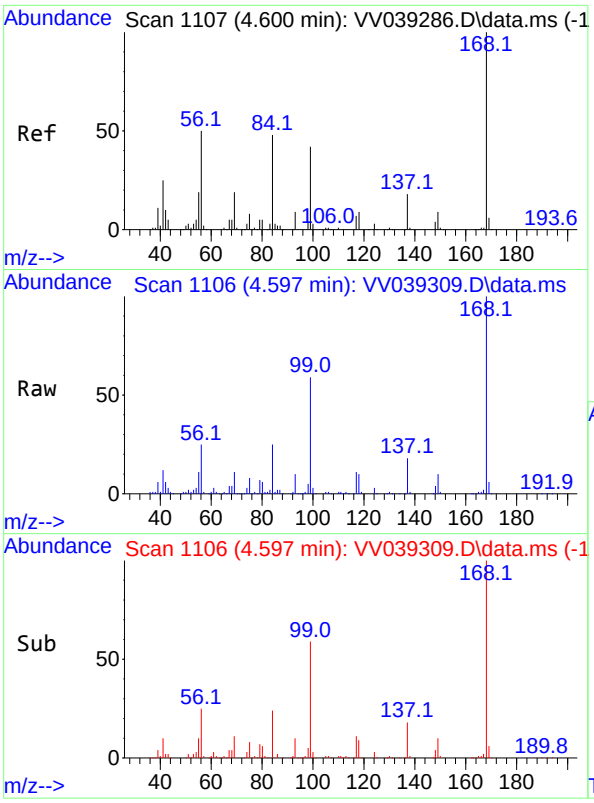
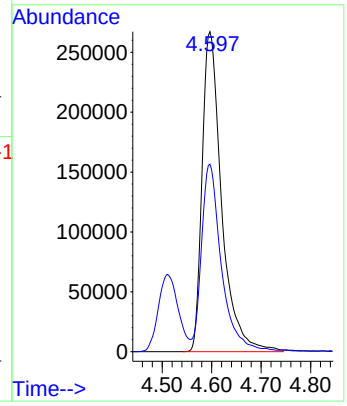




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.597 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:168 Resp: 73322

Ion	Ratio	Lower	Upper
168	100		
99	58.0	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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Reviewed By :Amit Patel 11/05/2025
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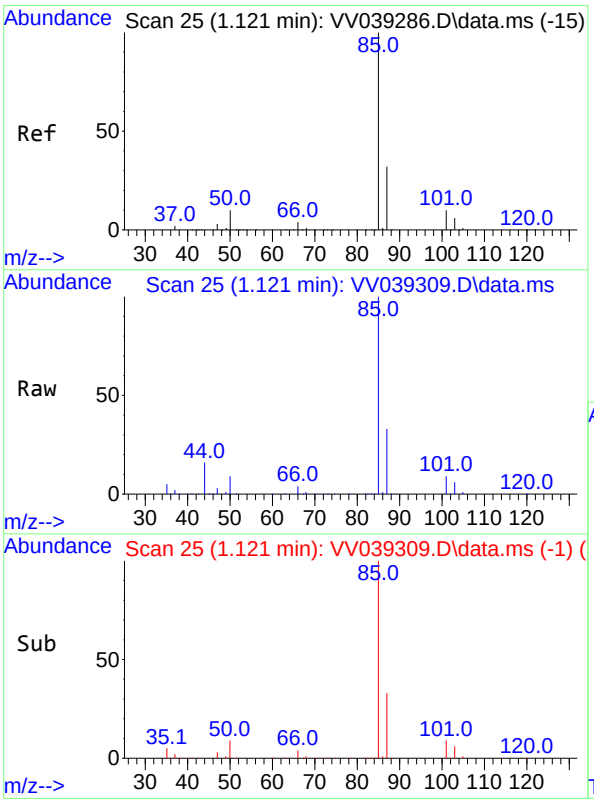
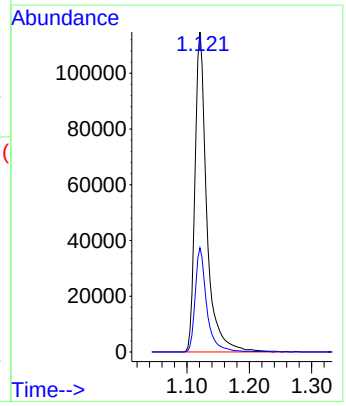
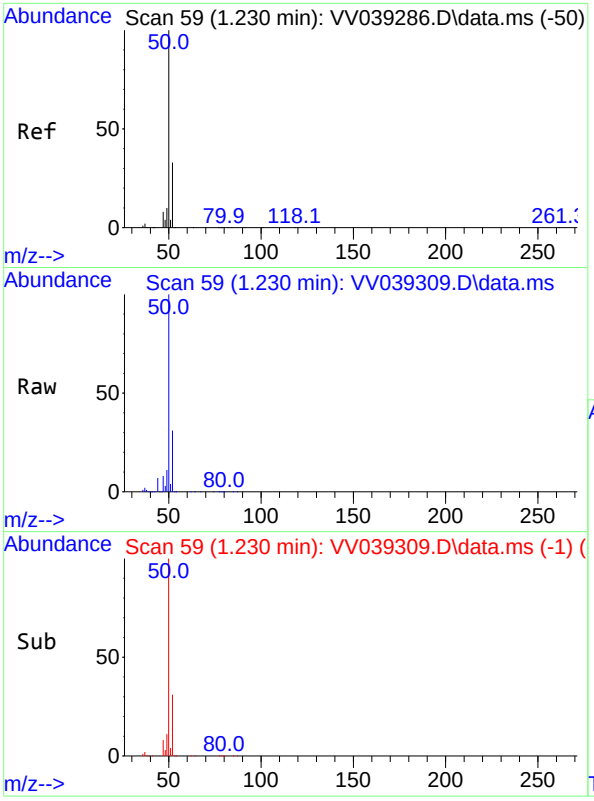


#2
Dichlorodifluoromethane
Concen: 16.195 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 85 Resp: 150088

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.1	48.2

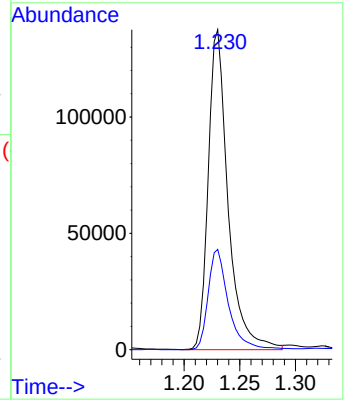




#3
Chloromethane
Concen: 17.647 ug/l
RT: 1.230 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 50 Resp: 17027

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.6	39.8



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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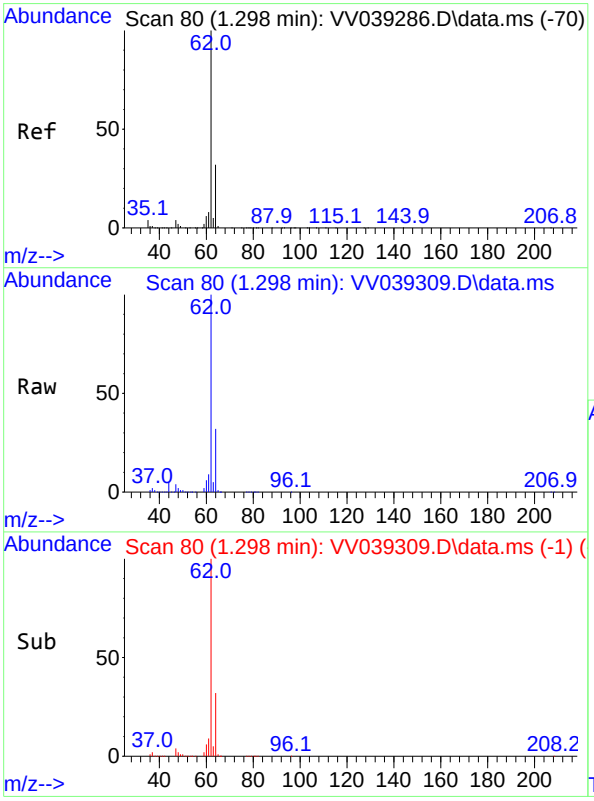
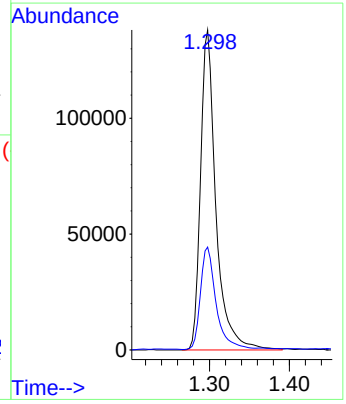
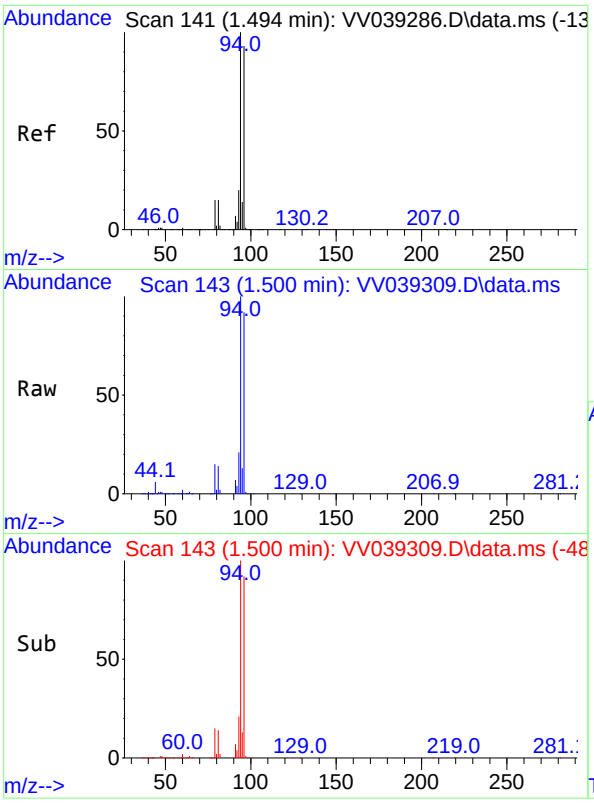


#4
Vinyl Chloride
Concen: 16.781 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 62 Resp: 184720

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.8	38.6

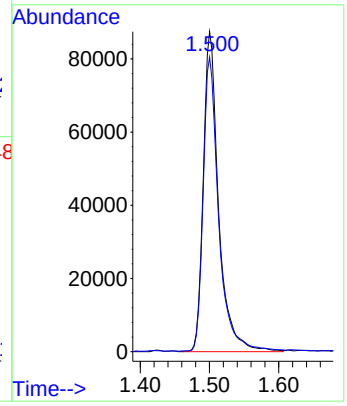




#5
Bromomethane
Concen: 18.829 ug/l
RT: 1.500 min Scan# 14
Delta R.T. 0.007 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 94 Resp: 13447

Ion	Ratio	Lower	Upper
94	100		
96	91.8	74.2	111.2



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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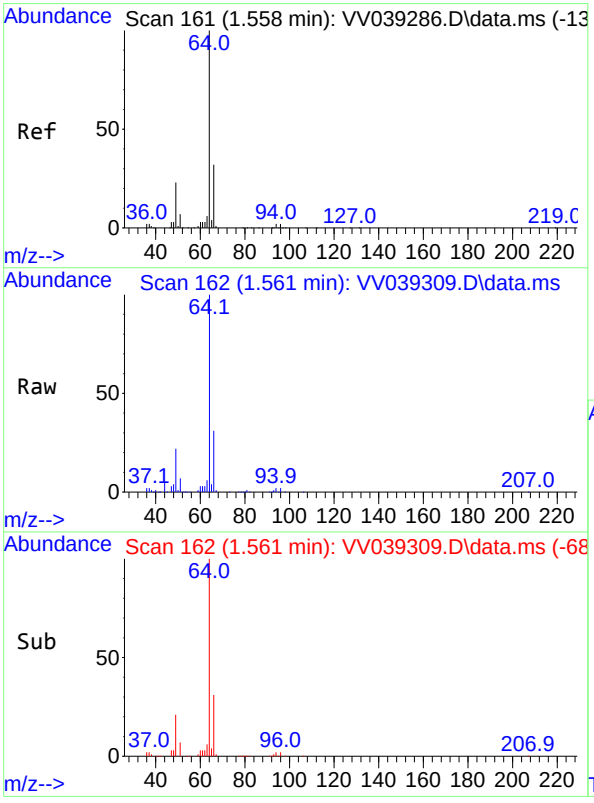
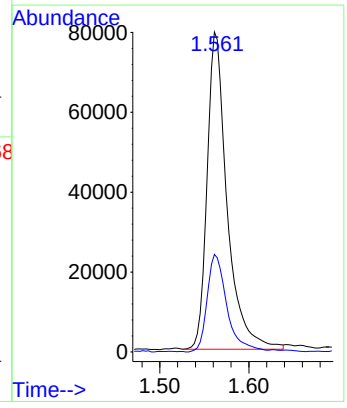
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

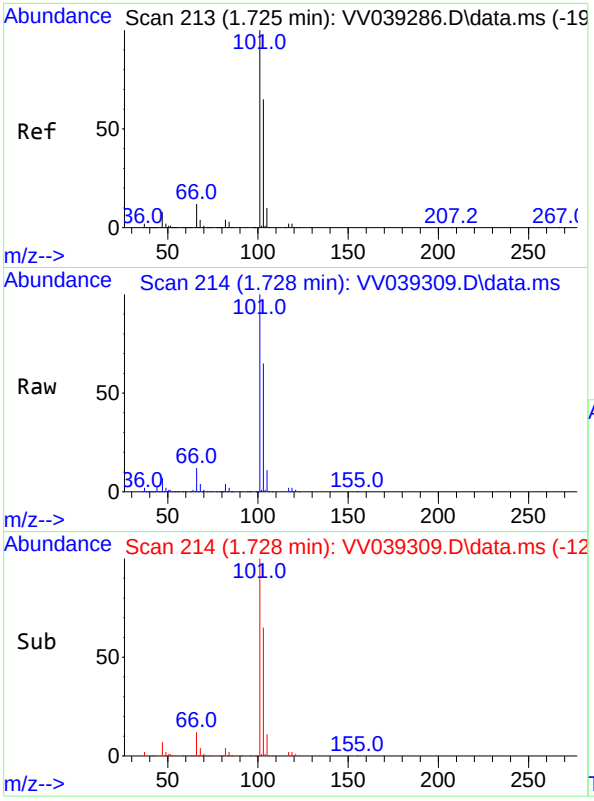


#6
Chloroethane
Concen: 18.962 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 64 Resp: 123716

Ion	Ratio	Lower	Upper
64	100		
66	30.6	25.7	38.5

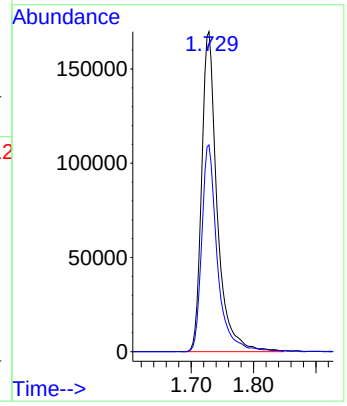




#7
Trichlorofluoromethane
Concen: 17.422 ug/l
RT: 1.728 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:101 Resp: 29296

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.0	78.0



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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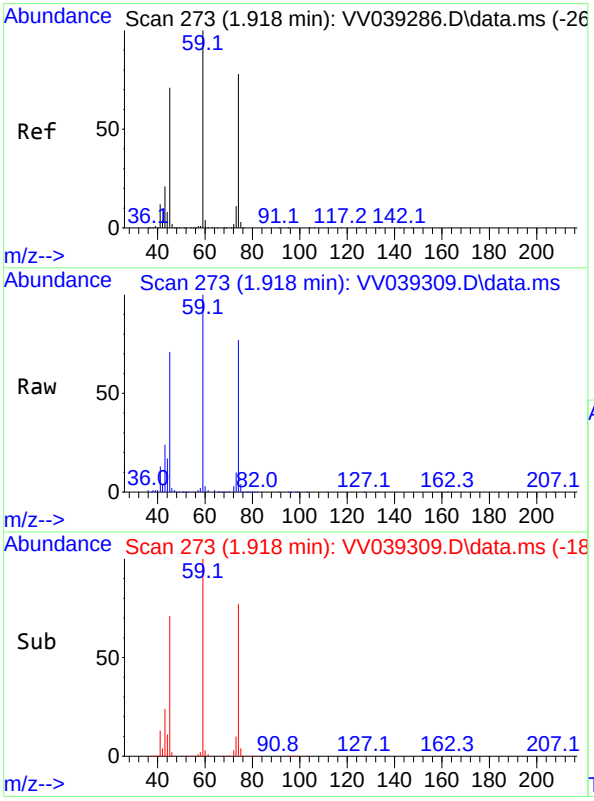
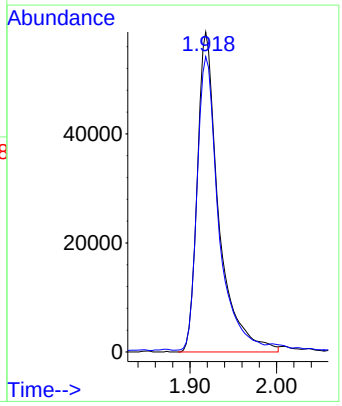
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

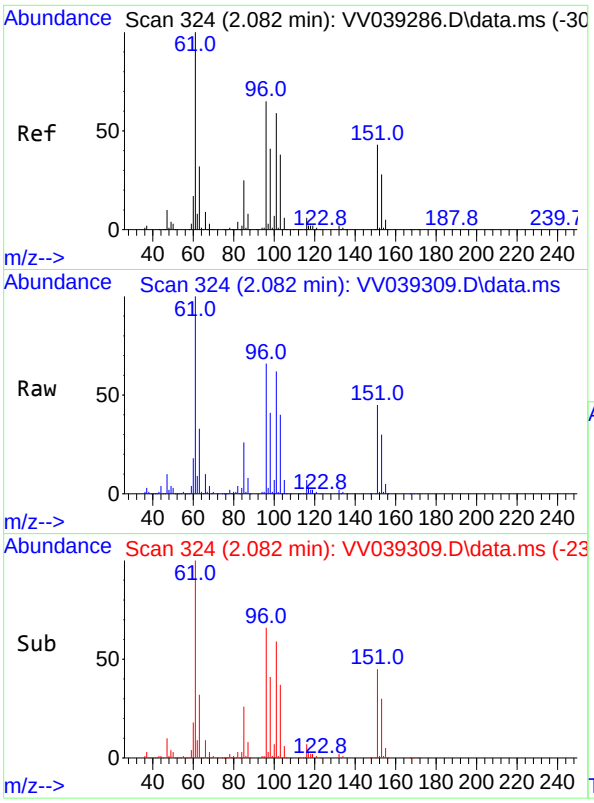


#8
Diethyl Ether
Concen: 16.565 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 74 Resp: 100661

Ion	Ratio	Lower	Upper
74	100		
45	91.7	45.9	137.7

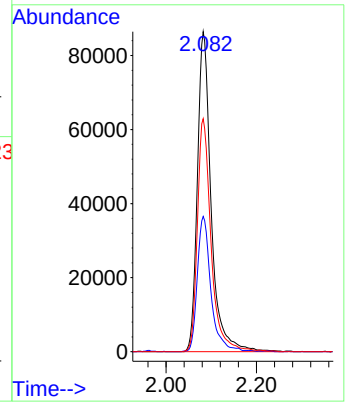




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.127 ug/l
RT: 2.082 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:101 Resp: 18251

Ion	Ratio	Lower	Upper
101	100		
85	41.6	34.0	51.0
151	72.4	58.5	87.7



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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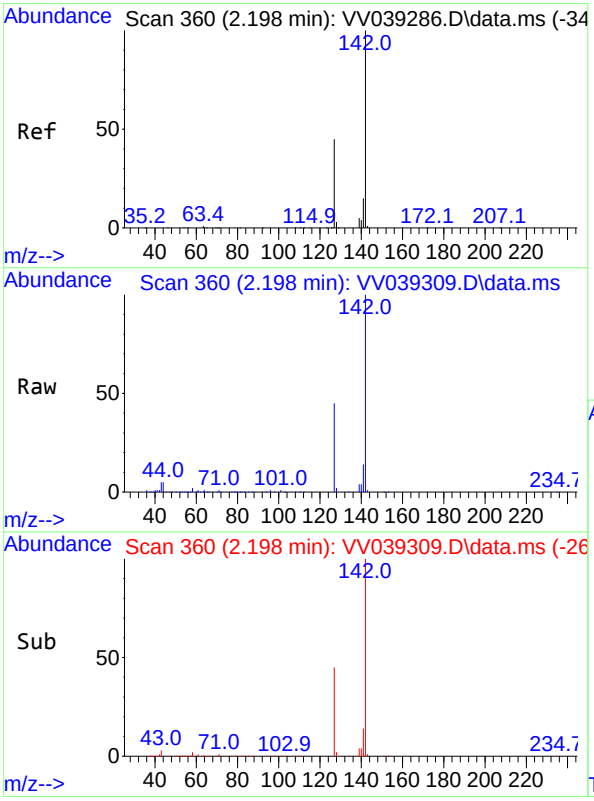
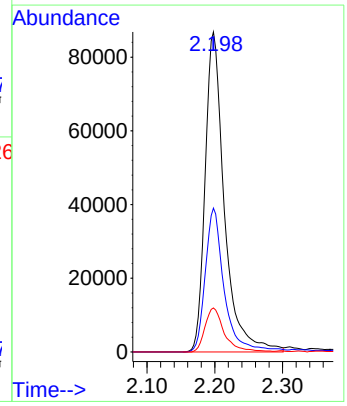
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

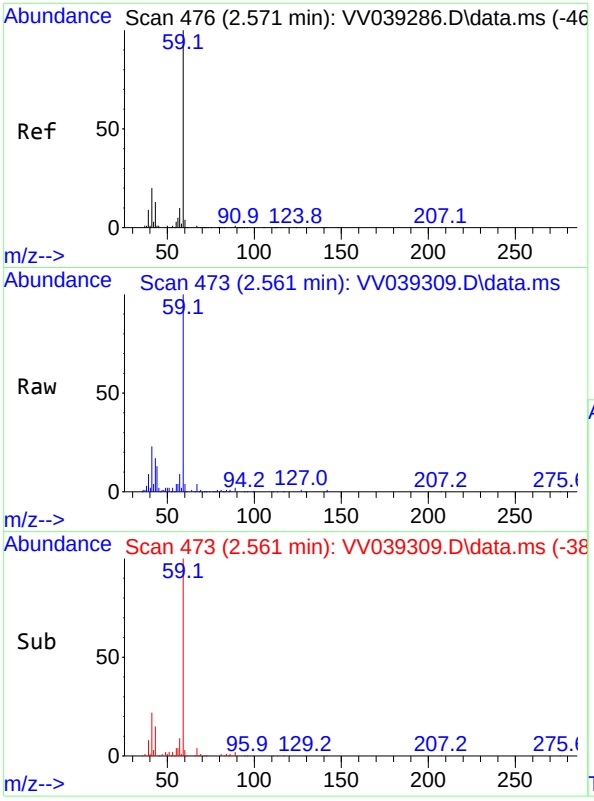


#10
Methyl Iodide
Concen: 19.739 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:142 Resp: 171240

Ion	Ratio	Lower	Upper
142	100		
127	43.7	35.5	53.3
141	13.9	11.5	17.3

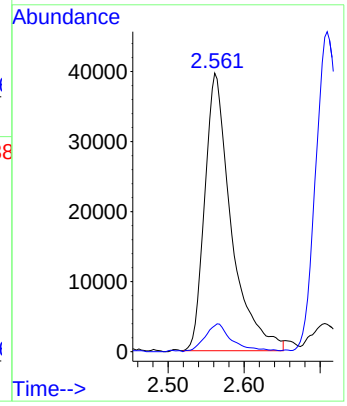




#11
Tert butyl alcohol
Concen: 47.632 ug/l
RT: 2.561 min Scan# 4
Delta R.T. -0.010 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 59 Resp: 9617

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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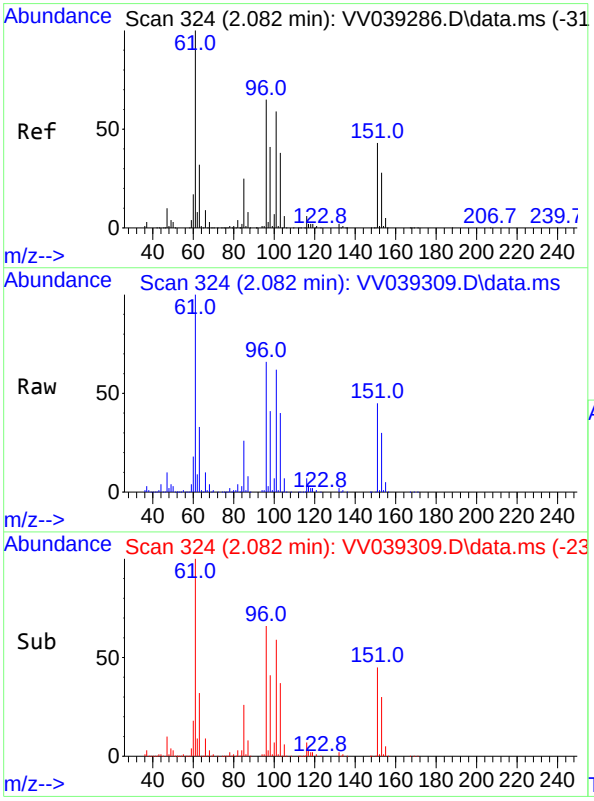
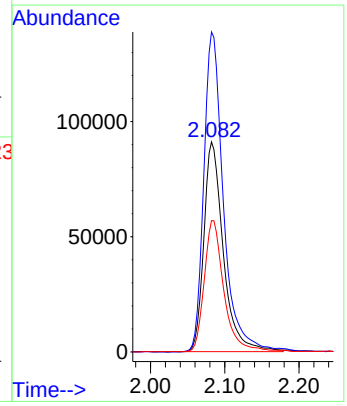
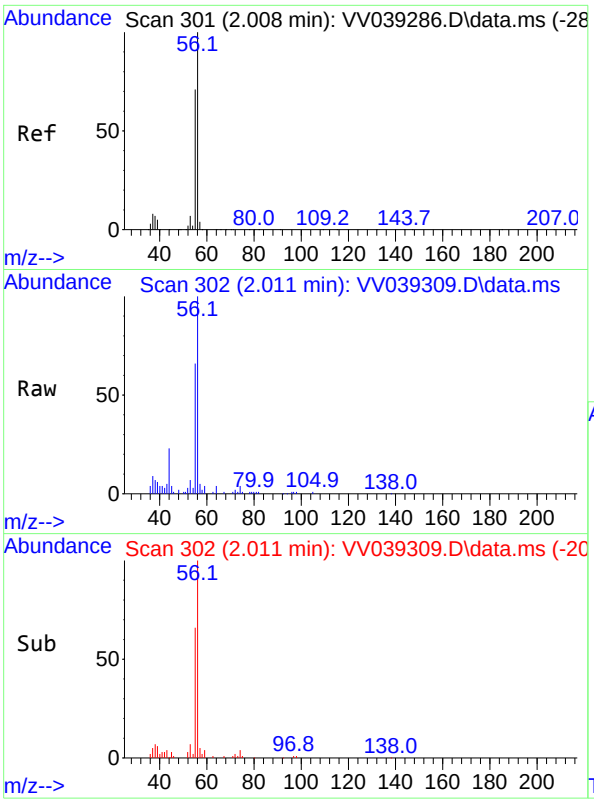


#12
1,1-Dichloroethene
Concen: 16.800 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 96 Resp: 166090

Ion	Ratio	Lower	Upper
96	100		
61	152.4	123.6	185.4
98	62.5	51.1	76.7

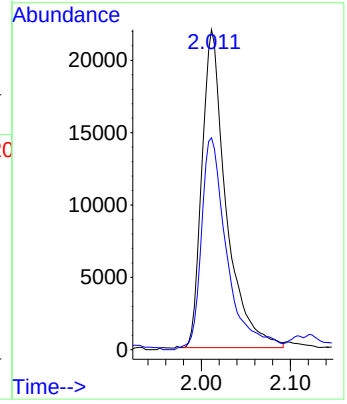




#13
Acrolein
Concen: 29.385 ug/l
RT: 2.011 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 56 Resp: 4146

Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.2	84.4



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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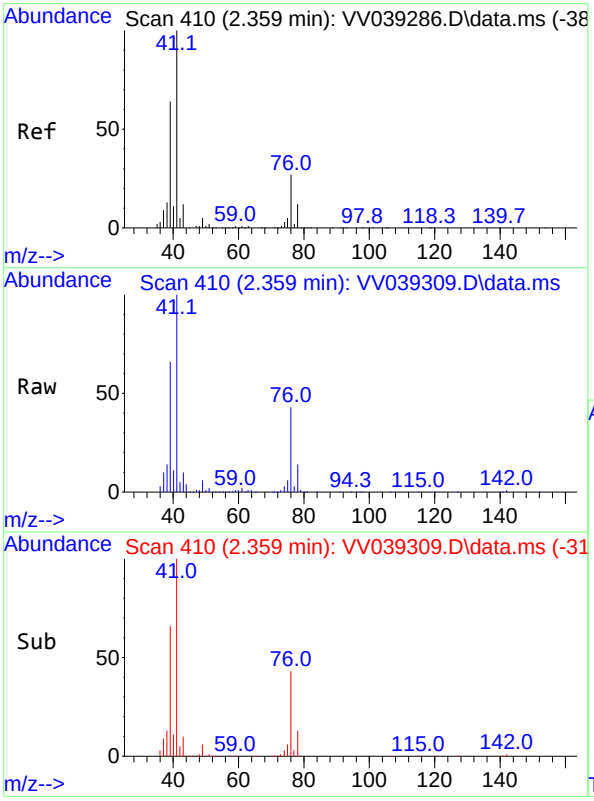
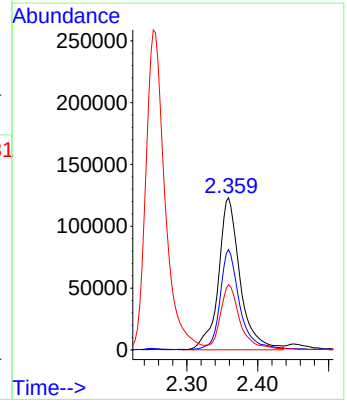
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

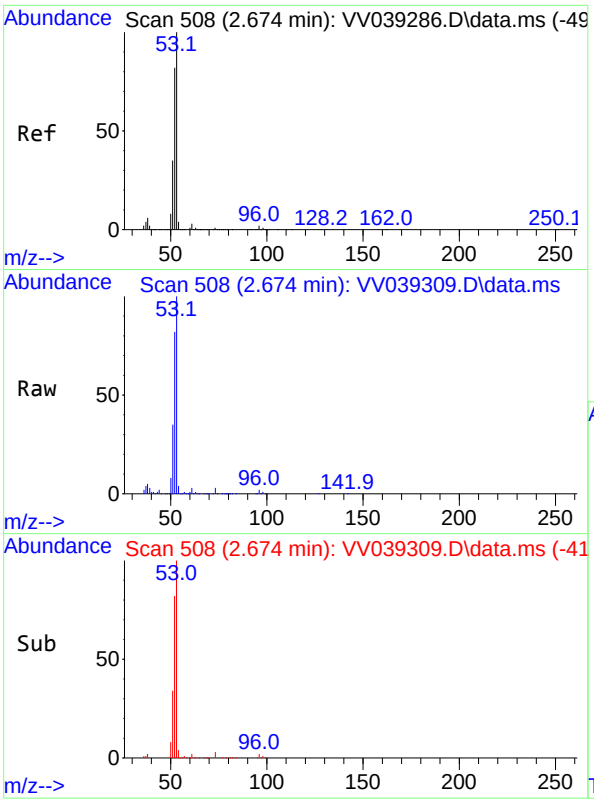


#14
Allyl chloride
Concen: 16.606 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 41 Resp: 260264

Ion	Ratio	Lower	Upper
41	100		
39	59.6	47.8	71.6
76	39.0	30.2	45.2

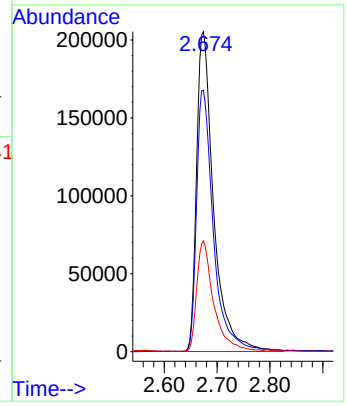




#15
Acrylonitrile
Concen: 76.793 ug/l
RT: 2.674 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 53 Resp: 45981

Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.0	97.6
51	34.4	27.9	41.9



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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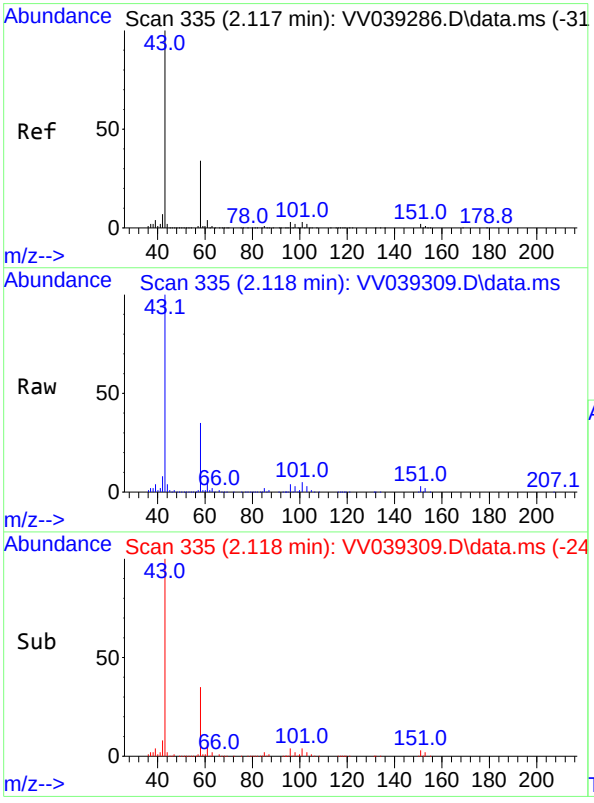
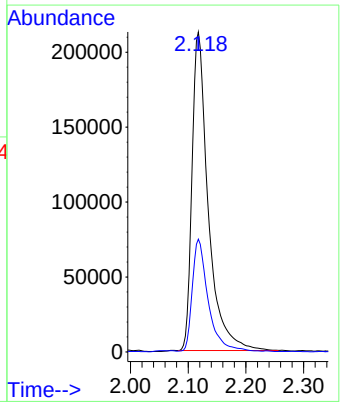
Supervised By :Mahesh Dadoda 11/05/2025

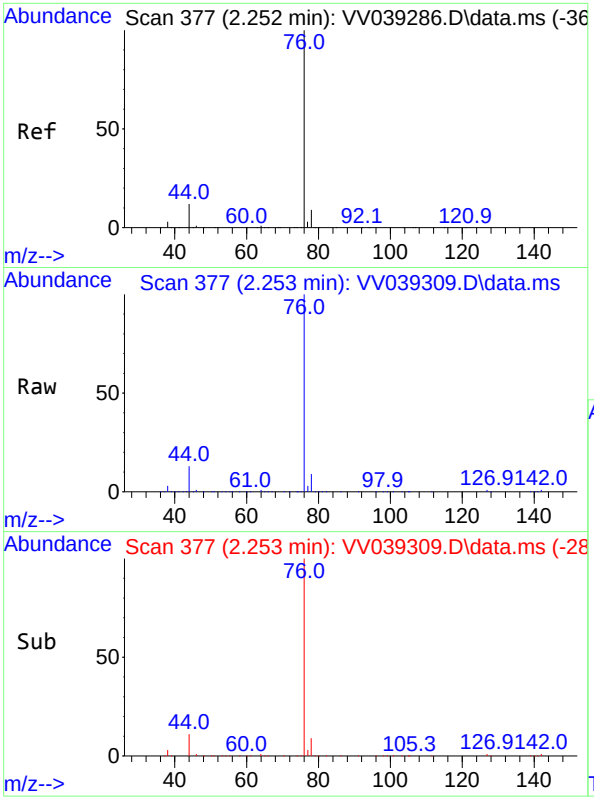


#16
Acetone
Concen: 78.304 ug/l
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 43 Resp: 413309

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.5	41.3

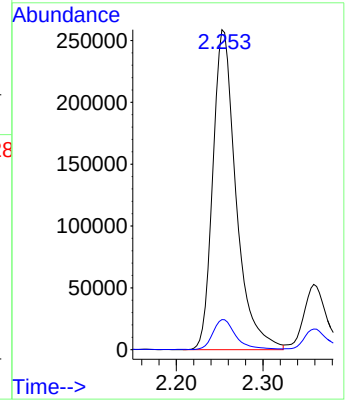




#17
Carbon Disulfide
Concen: 17.320 ug/l
RT: 2.253 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 76 Resp: 48366

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0



Instrument :
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ClientSampleId :
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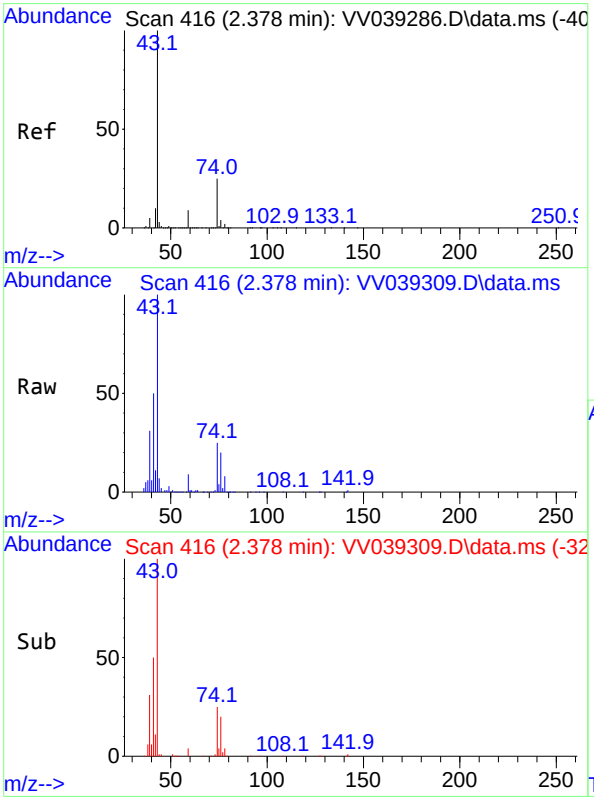
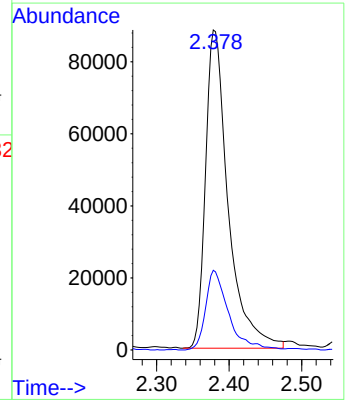
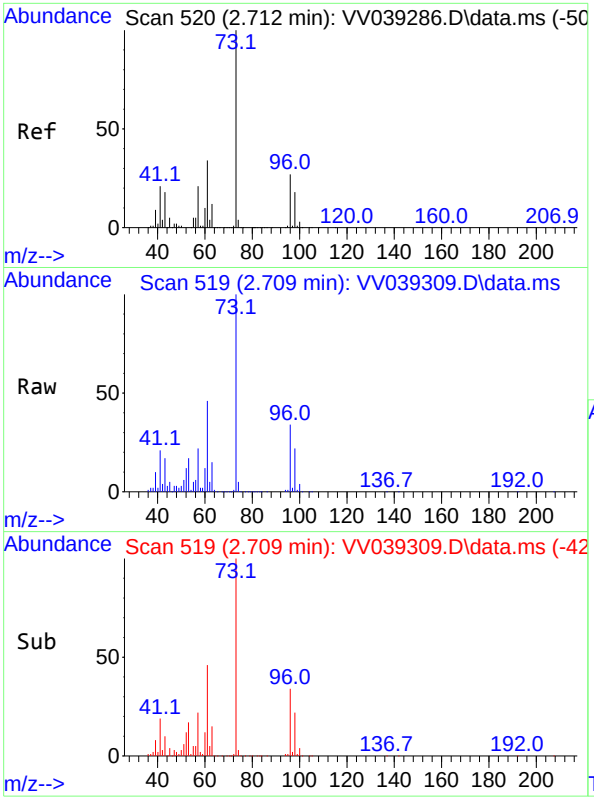


#18
Methyl Acetate
Concen: 14.191 ug/l
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 43 Resp: 191593

Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.5	29.3

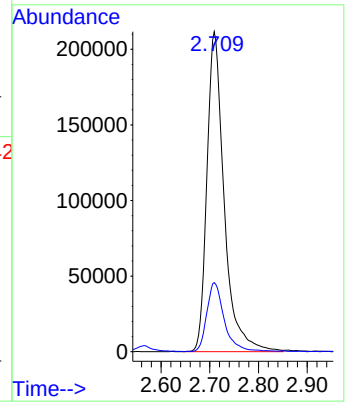




#19
Methyl tert-butyl Ether
Concen: 17.466 ug/l
RT: 2.709 min Scan# 5
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 73 Resp: 51973

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.6



Instrument :
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ClientSampleId :
VV1104WBS01

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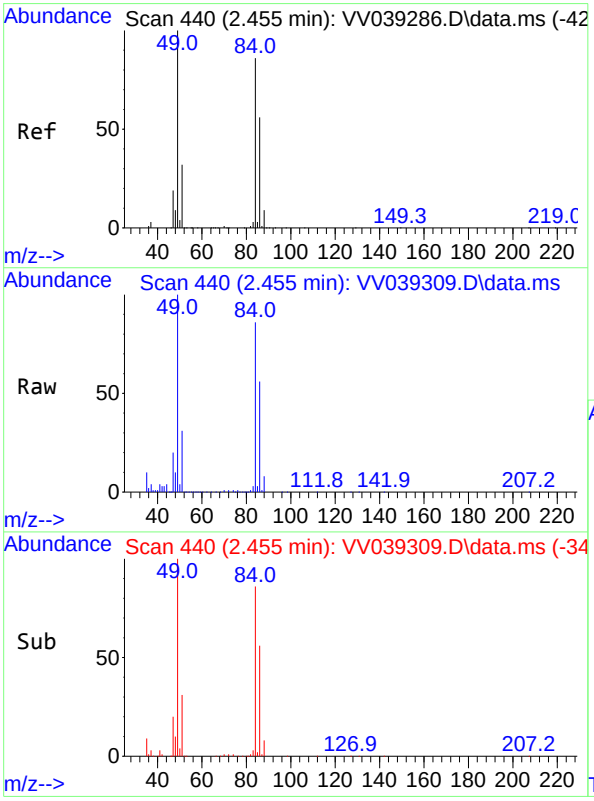
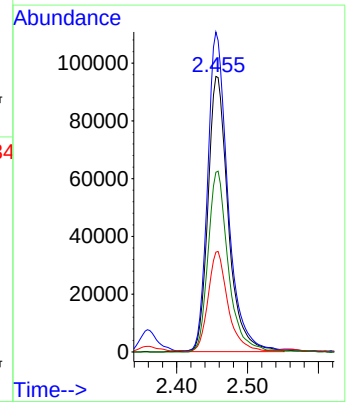
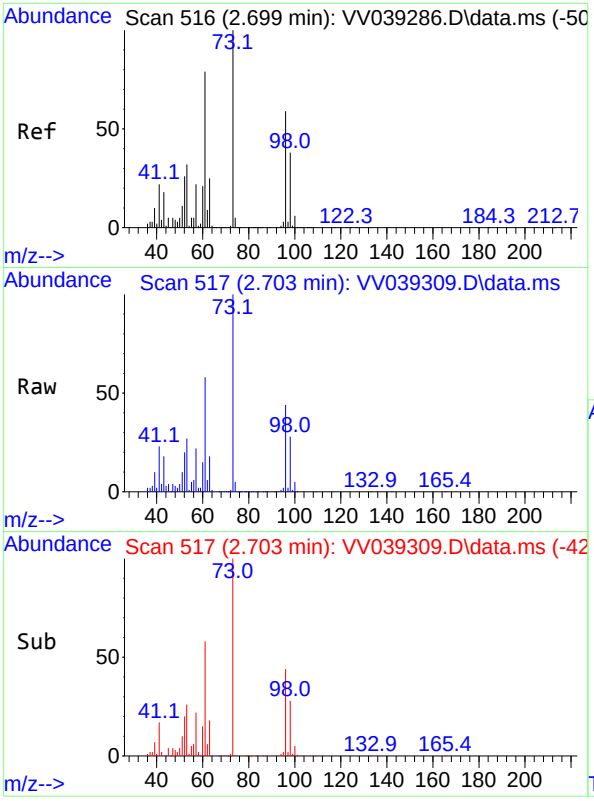


#20
Methylene Chloride
Concen: 19.107 ug/l
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 84 Resp: 189332

Ion	Ratio	Lower	Upper
84	100		
49	115.9	92.6	139.0
51	36.0	29.6	44.4
86	65.3	51.4	77.2

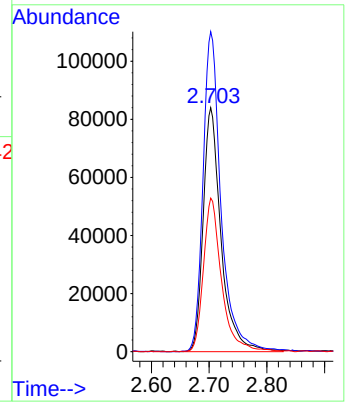




#21
trans-1,2-Dichloroethene
Concen: 17.359 ug/l
RT: 2.703 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 96 Resp: 18069

Ion	Ratio	Lower	Upper
96	100		
61	130.8	106.8	160.2
98	62.7	51.1	76.7



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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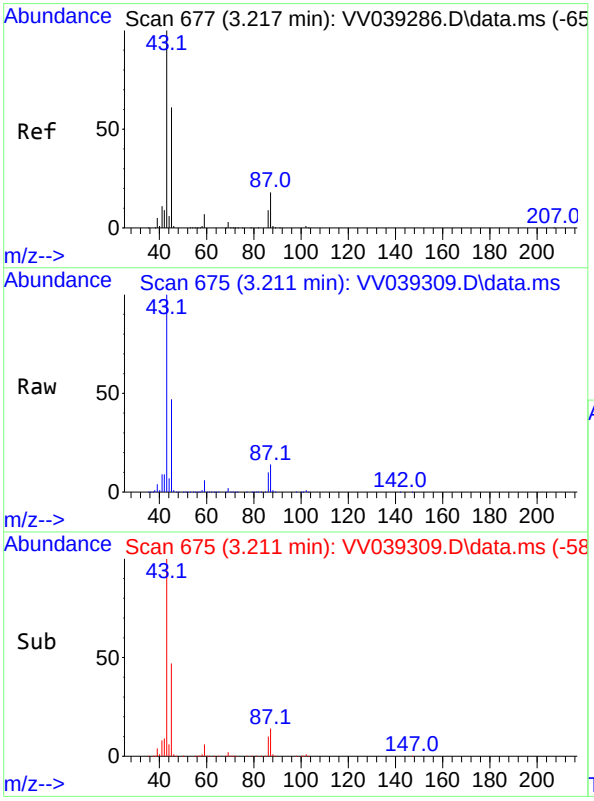
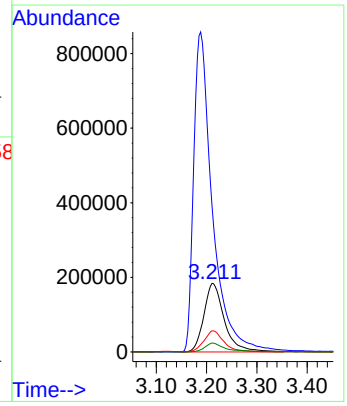
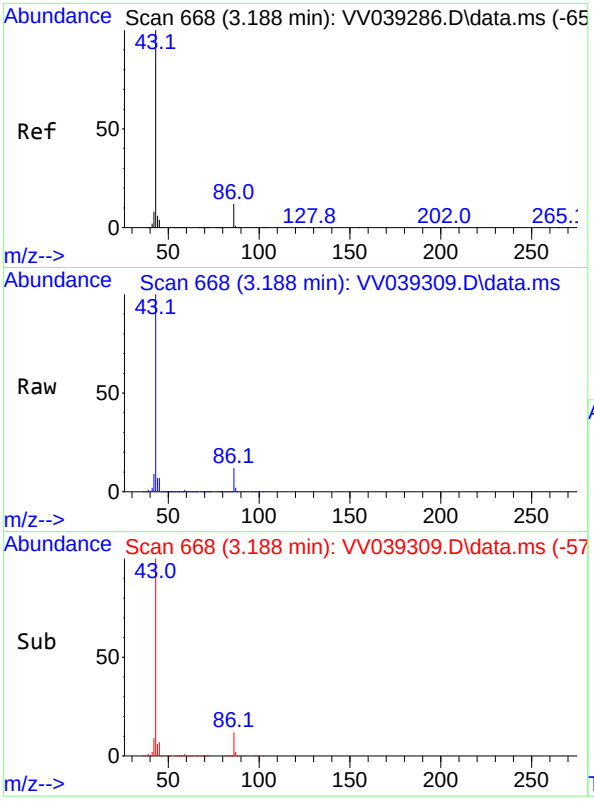


#22
Diisopropyl ether
Concen: 18.421 ug/l
RT: 3.211 min Scan# 675
Delta R.T. -0.006 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 45 Resp: 518348

Ion	Ratio	Lower	Upper
45	100		
43	213.3	130.8	196.2#
87	30.5	23.8	35.8
59	12.9	9.8	14.8





#23
Vinyl Acetate
Concen: 90.638 ug/l
RT: 3.188 min Scan# 6
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 43 Resp: 223901

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.4	14.2

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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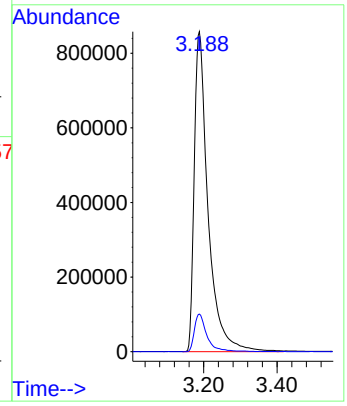
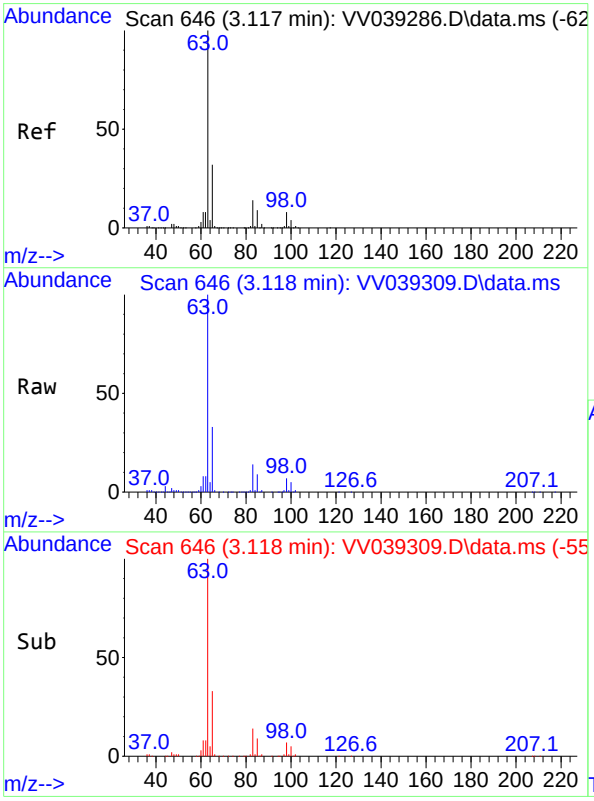
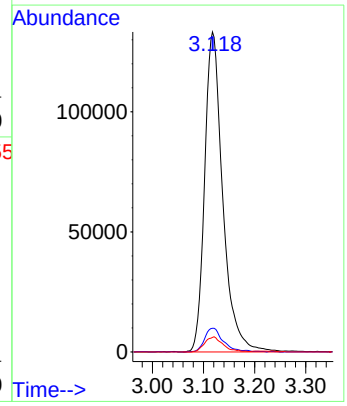


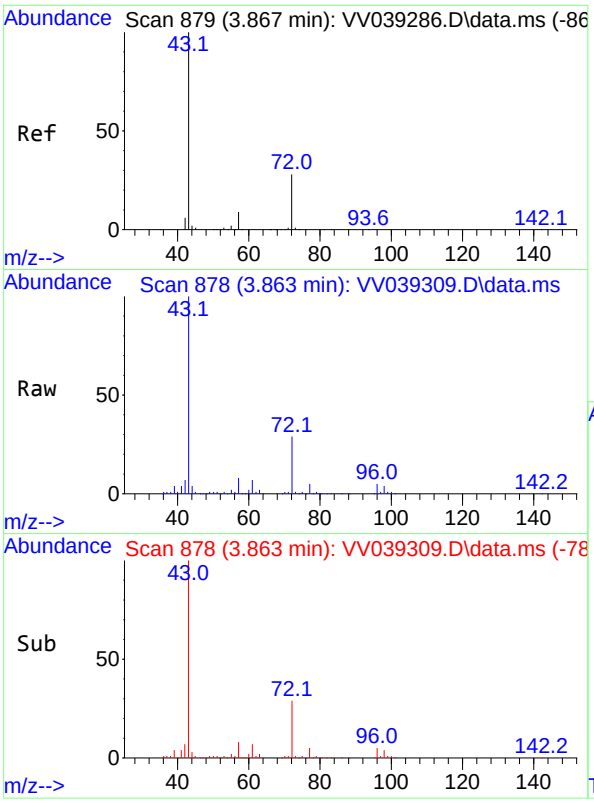


#24
1,1-Dichloroethane
Concen: 17.416 ug/l
RT: 3.118 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 63 Resp: 328316

Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	12.0
100	4.5	2.3	6.8





#25
2-Butanone
Concen: 76.243 ug/l
RT: 3.863 min Scan# 8
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 43 Resp: 48579

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.6	34.0

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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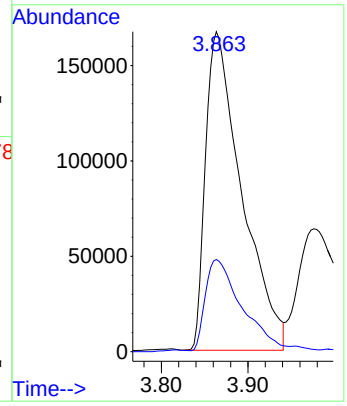
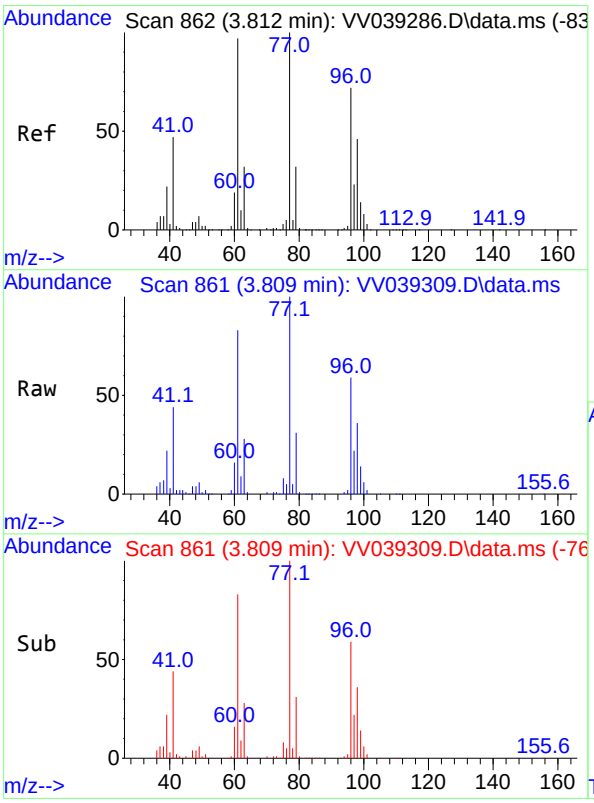
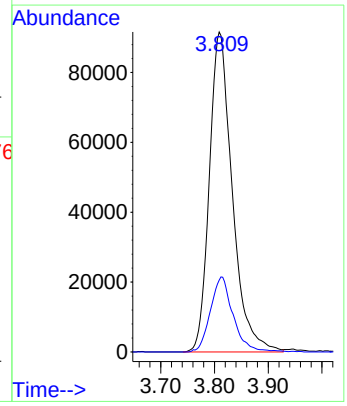


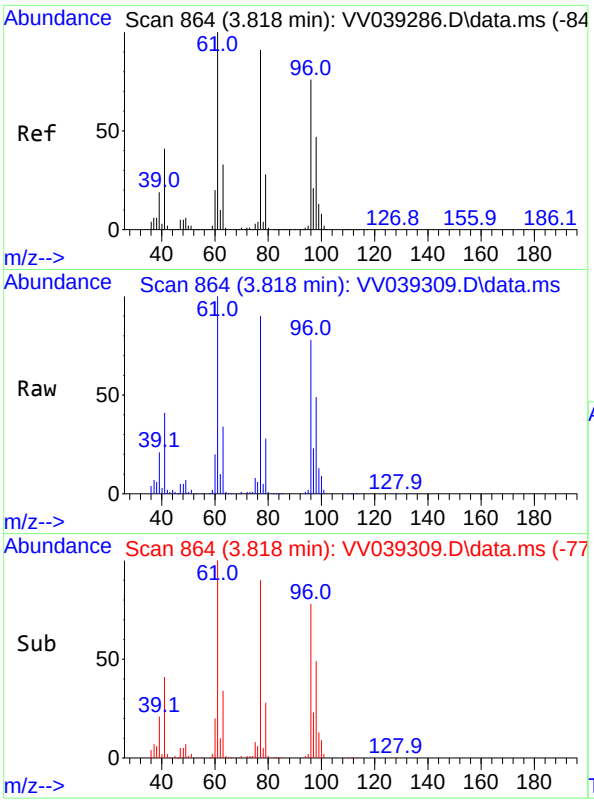


#26
2,2-Dichloropropane
Concen: 17.884 ug/l
RT: 3.809 min Scan# 861
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 77 Resp: 271540

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.6	34.8

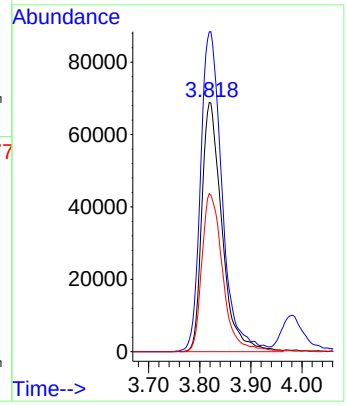




#27
cis-1,2-Dichloroethene
Concen: 18.064 ug/l
RT: 3.818 min Scan# 8
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 96 Resp: 18827

Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	275.0
98	65.4	0.0	127.8



Instrument :
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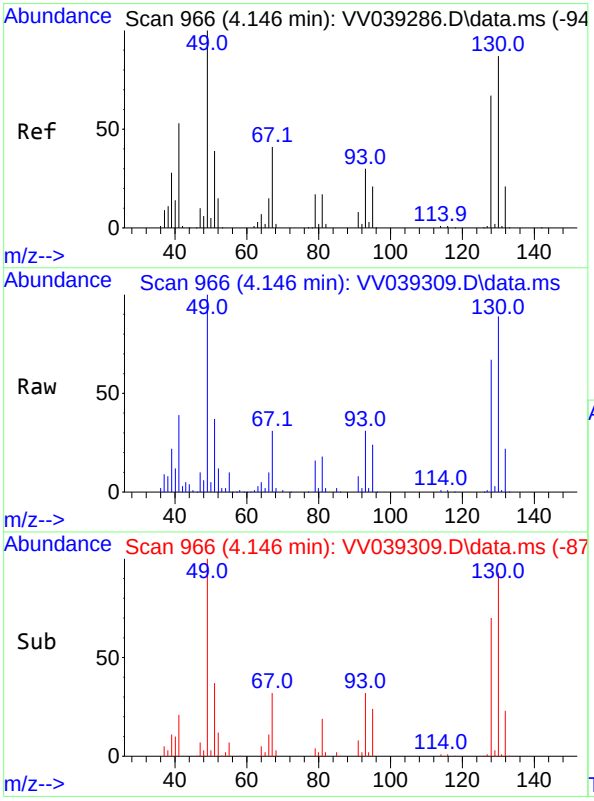
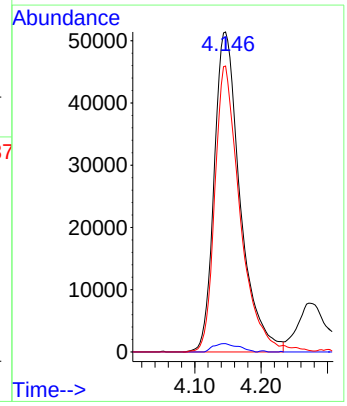
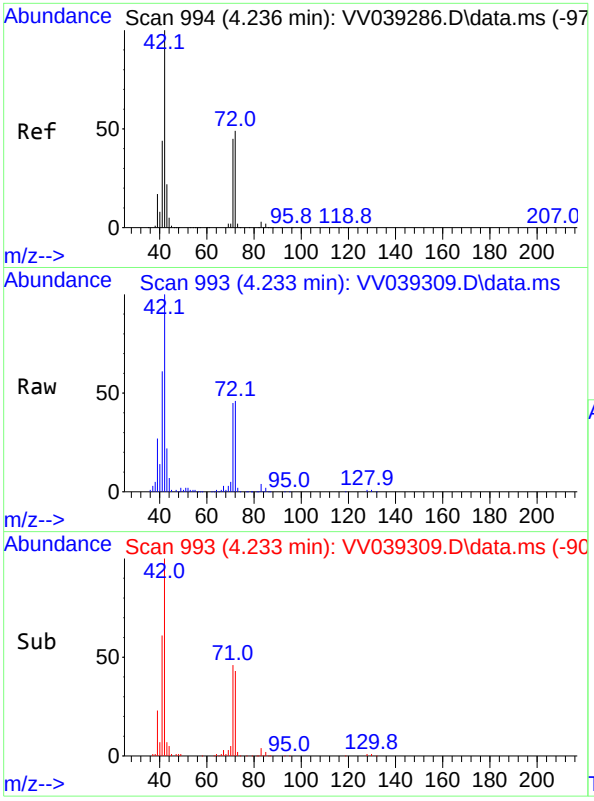


#28
Bromochloromethane
Concen: 17.413 ug/l
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 49 Resp: 139950

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	86.1	69.5	104.3





#29
Tetrahydrofuran
Concen: 75.300 ug/l
RT: 4.233 min Scan# 9
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 42 Resp: 30676

Ion	Ratio	Lower	Upper
42	100		
72	49.0	39.8	59.8
71	46.6	36.5	54.7

Instrument :
MSVOA_V
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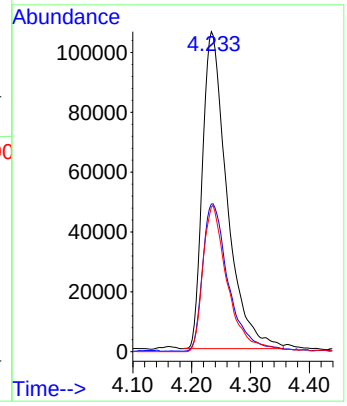
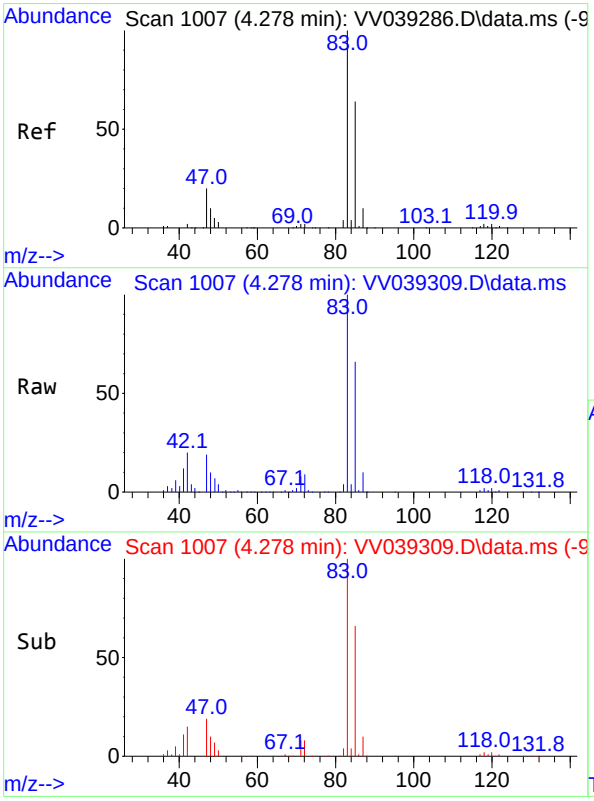
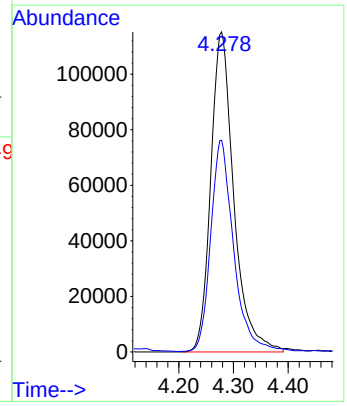


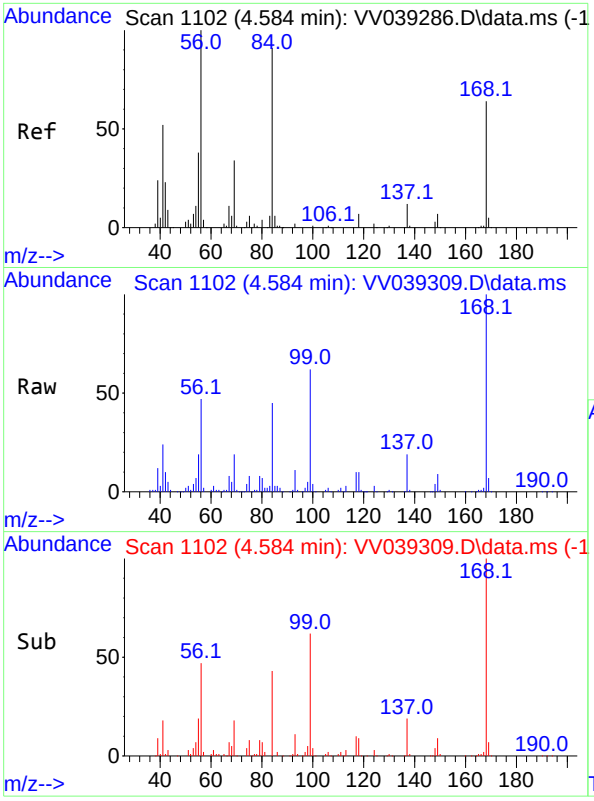


#30
Chloroform
Concen: 17.526 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 83 Resp: 336927

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.1	76.7

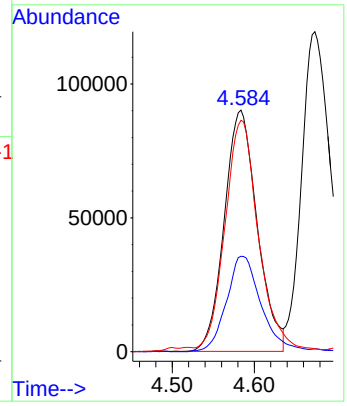




#31
Cyclohexane
Concen: 18.317 ug/l
RT: 4.584 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 56 Resp: 25150

Ion	Ratio	Lower	Upper
56	100		
69	39.6	27.4	41.0
84	94.2	72.8	109.2



Instrument :
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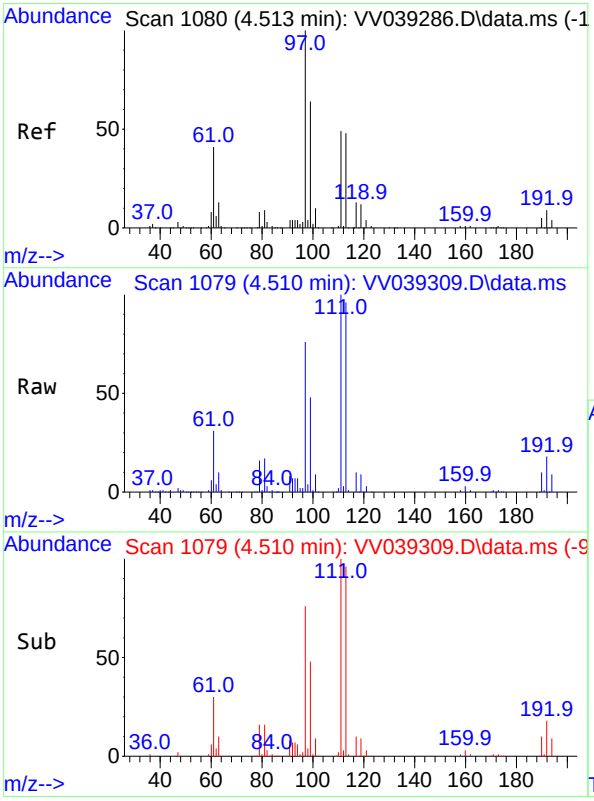
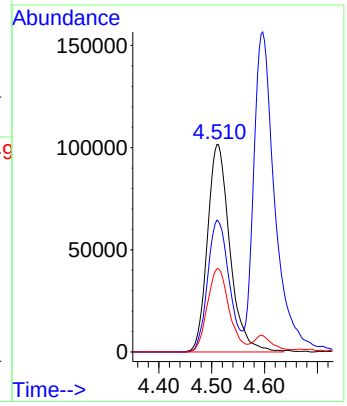
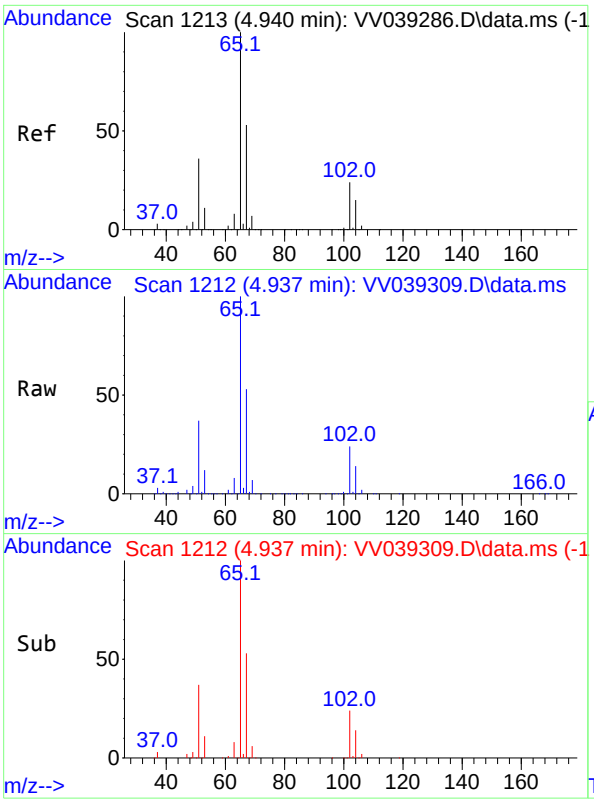


#32
1,1,1-Trichloroethane
Concen: 17.840 ug/l
RT: 4.510 min Scan# 1079
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 97 Resp: 299853

Ion	Ratio	Lower	Upper
97	100		
99	60.8	48.6	72.8
61	39.1	31.8	47.8

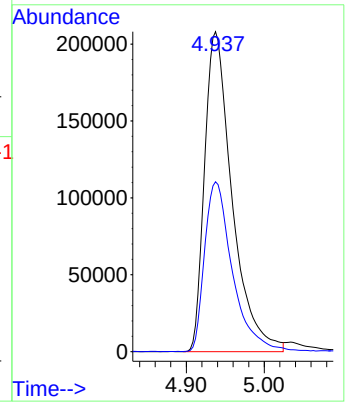




#33
1,2-Dichloroethane-d4
Concen: 49.074 ug/l
RT: 4.937 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 65 Resp: 51128

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.4



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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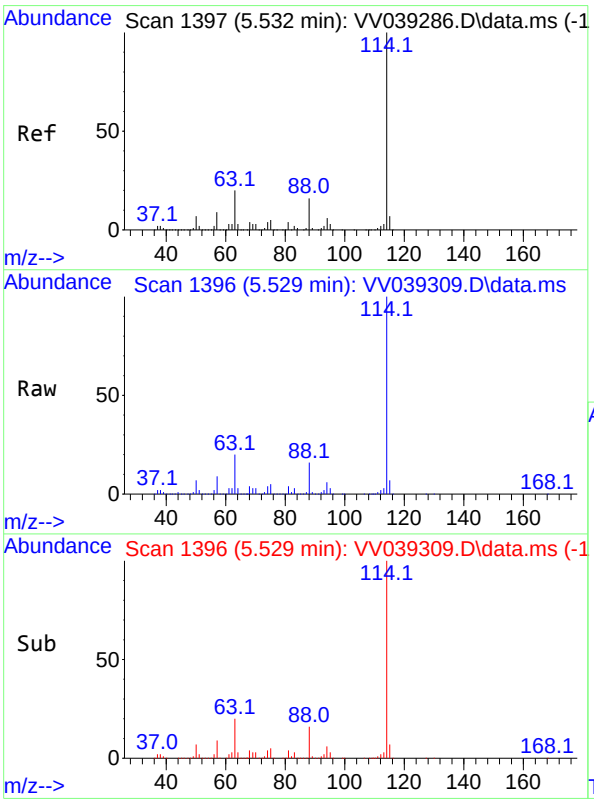
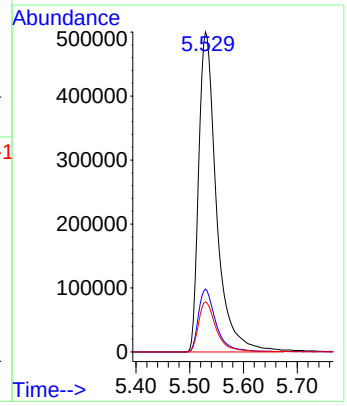
Supervised By :Mahesh Dadoda 11/05/2025

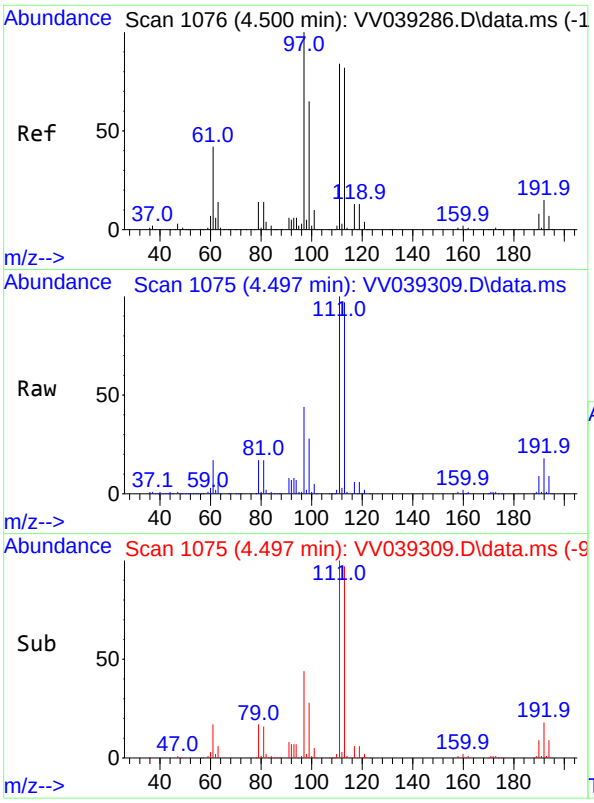


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:114 Resp: 1149929

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.6	0.0	31.6

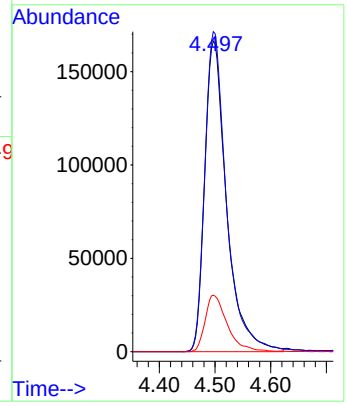




#35
Dibromofluoromethane
Concen: 50.095 ug/l
RT: 4.497 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:113 Resp: 45389

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	18.4	14.3	21.5



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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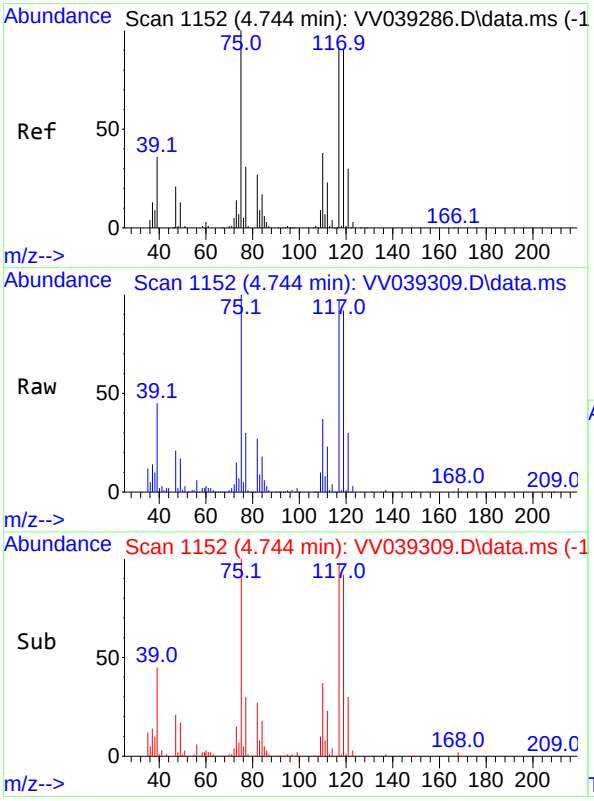
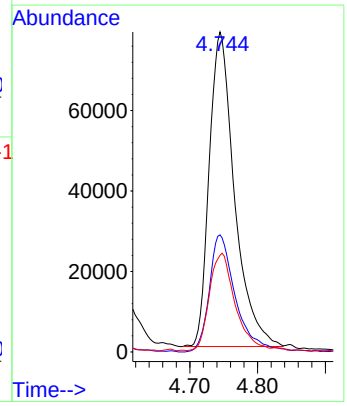
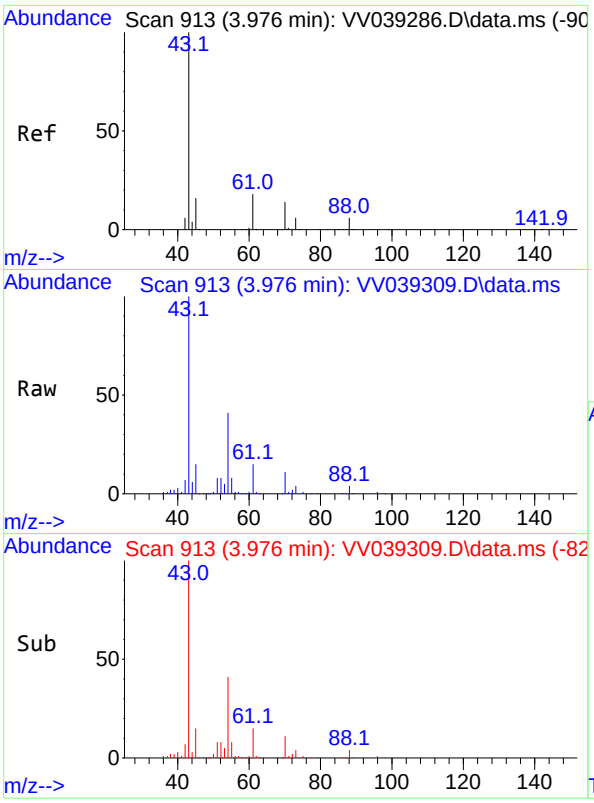


#36
1,1-Dichloropropene
Concen: 17.773 ug/l
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 75 Resp: 202258

Ion	Ratio	Lower	Upper
75	100		
110	38.8	18.9	56.7
77	31.3	24.1	36.1





#37
Ethyl Acetate
Concen: 15.359 ug/l
RT: 3.976 min Scan# 9
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 43 Resp: 20462

Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.3	9.0	13.4

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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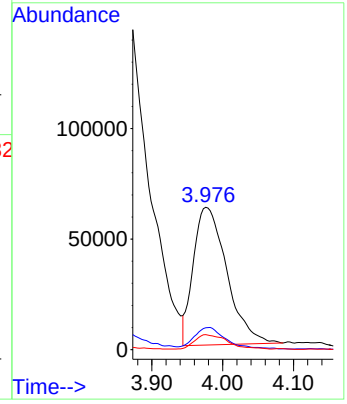
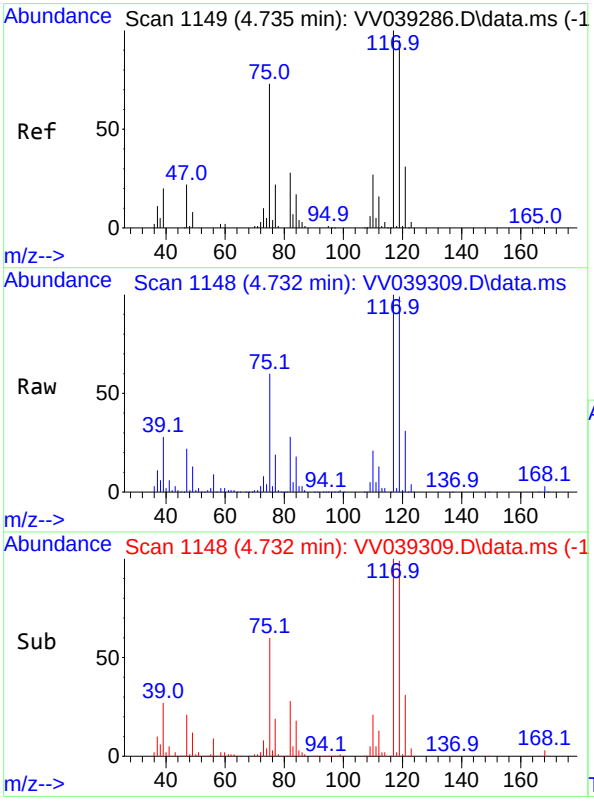
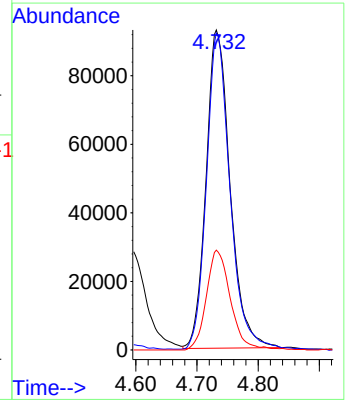


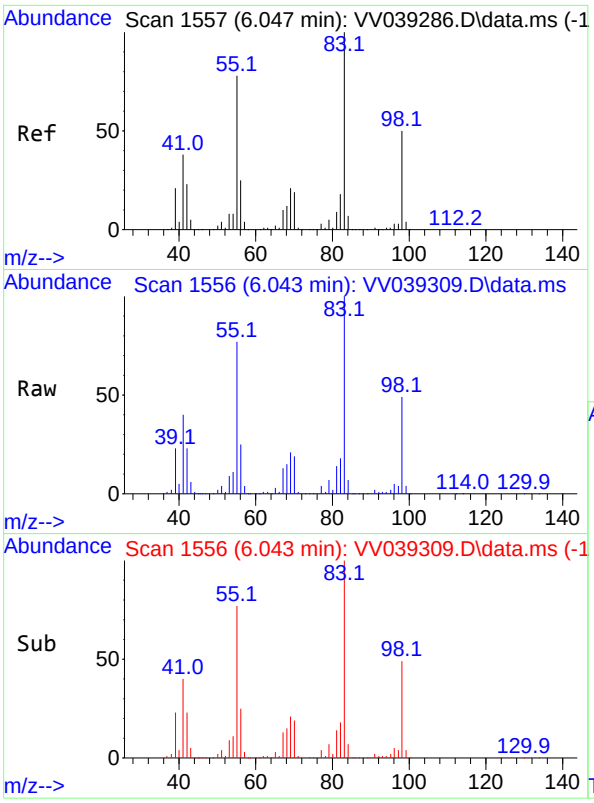


#38
Carbon Tetrachloride
Concen: 18.333 ug/l
RT: 4.732 min Scan# 1148
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:117 Resp: 254185

Ion	Ratio	Lower	Upper
117	100		
119	99.5	75.9	113.9
121	31.4	24.6	37.0





#39
Methylcyclohexane
Concen: 17.670 ug/l
RT: 6.043 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 83 Resp: 22982

Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.1	93.1
98	49.1	40.2	60.4

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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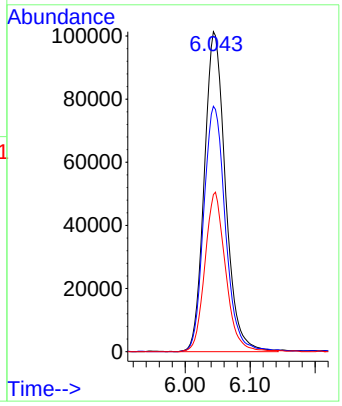
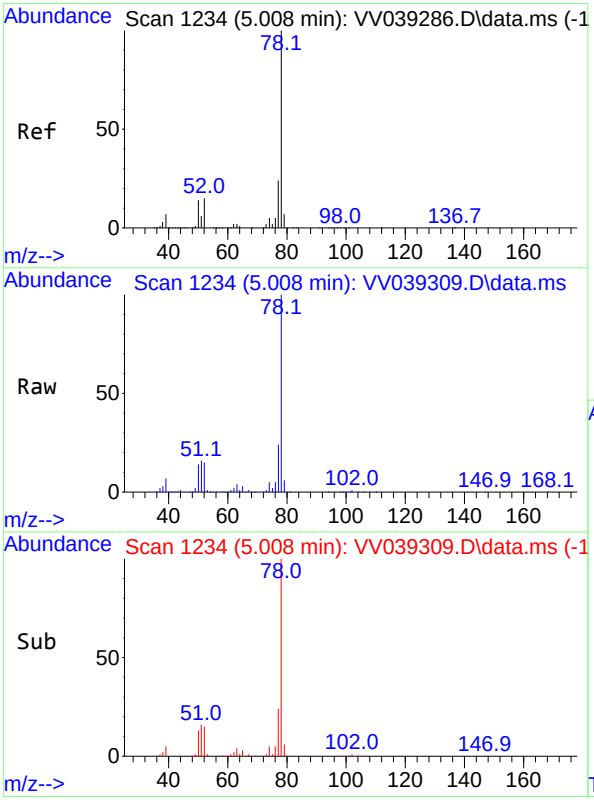
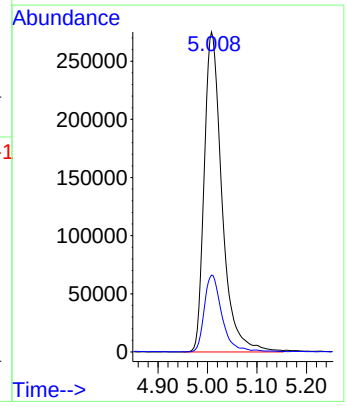


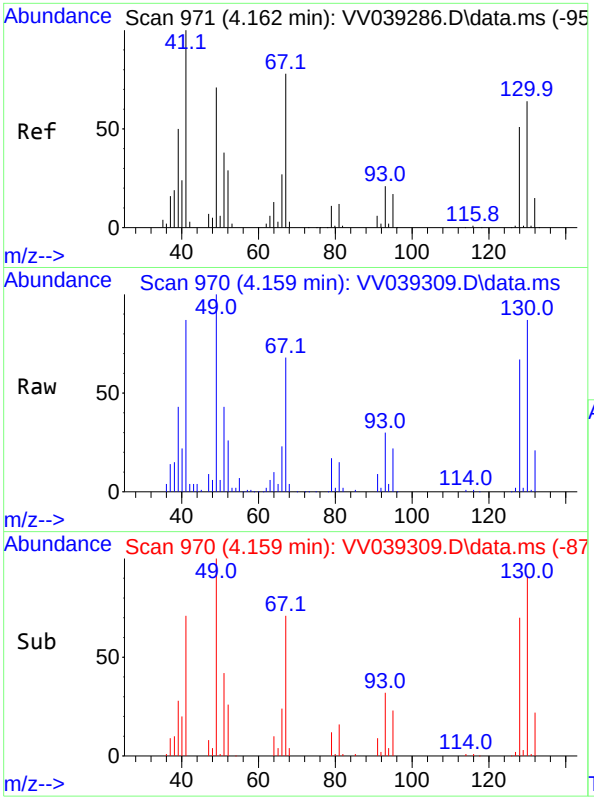


#40
Benzene
Concen: 18.797 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 78 Resp: 686424

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3

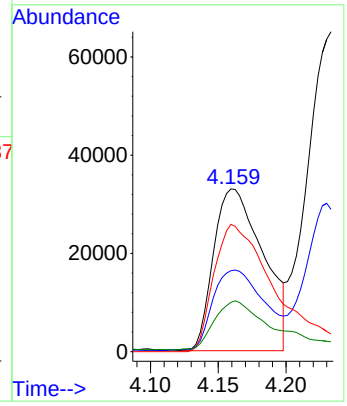




#41
Methacrylonitrile
Concen: 15.924 ug/l
RT: 4.159 min Scan# 9
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 41 Resp: 8394

Ion	Ratio	Lower	Upper
41	100		
39	51.8	40.9	61.3
67	102.5	73.1	109.7
52	38.0	27.8	41.6



Instrument :
MSVOA_V
ClientSampleId :
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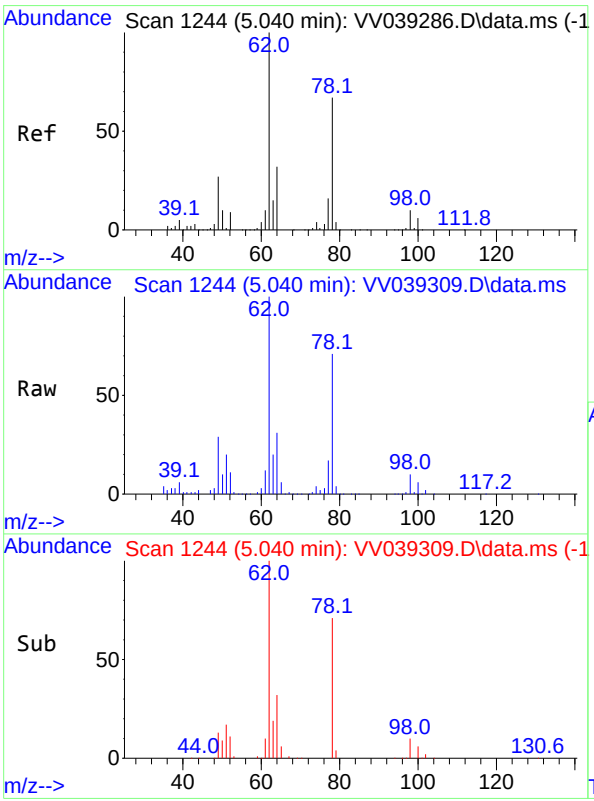
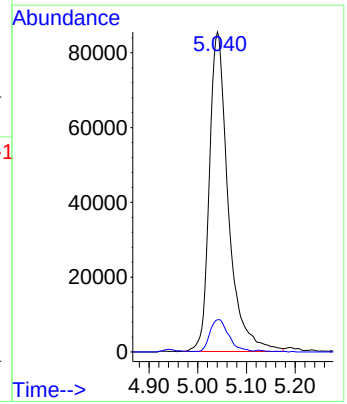
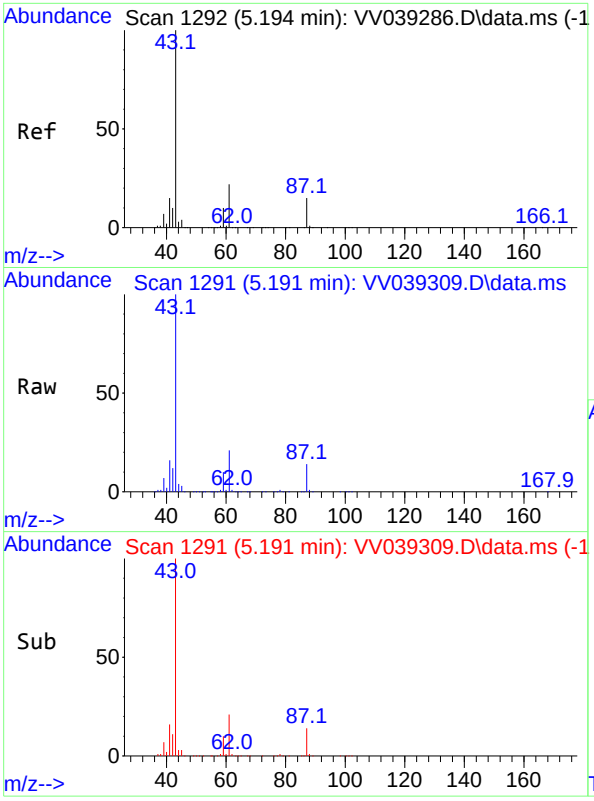


#42
1,2-Dichloroethane
Concen: 18.010 ug/l
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 62 Resp: 230824

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43
Isopropyl Acetate
Concen: 17.489 ug/l
RT: 5.191 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 43 Resp: 30504

Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.1	25.7
87	14.1	11.5	17.3

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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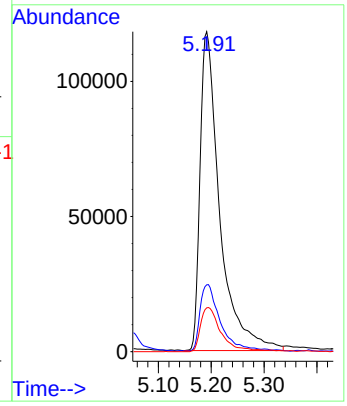
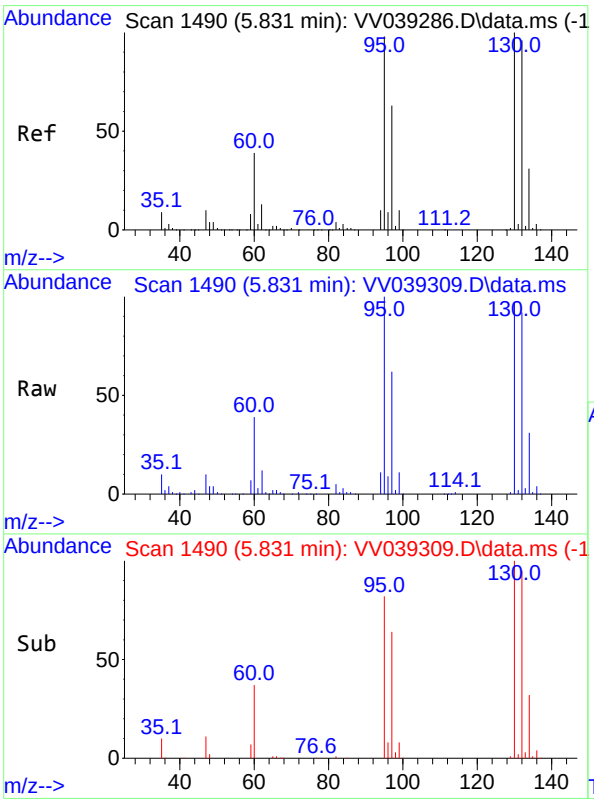
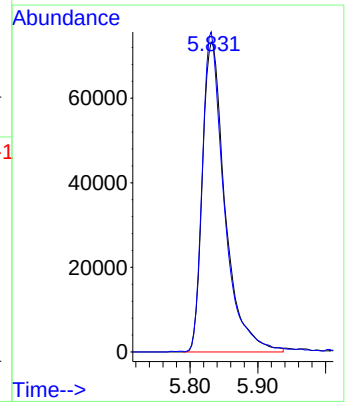


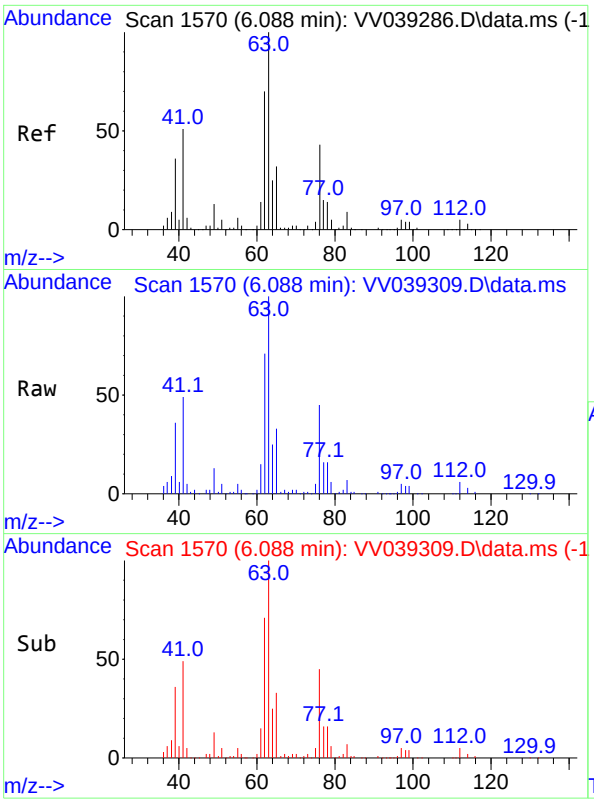


#44
Trichloroethene
Concen: 18.617 ug/l
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:130 Resp: 170962

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	196.6

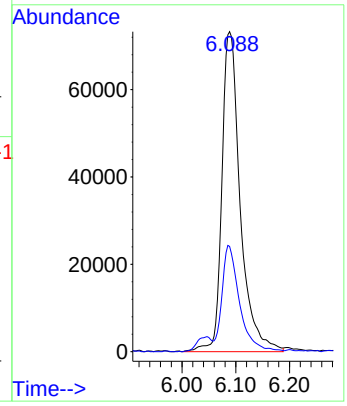




#45
1,2-Dichloropropane
Concen: 19.546 ug/l
RT: 6.088 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 63 Resp: 17368

Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.4	38.2



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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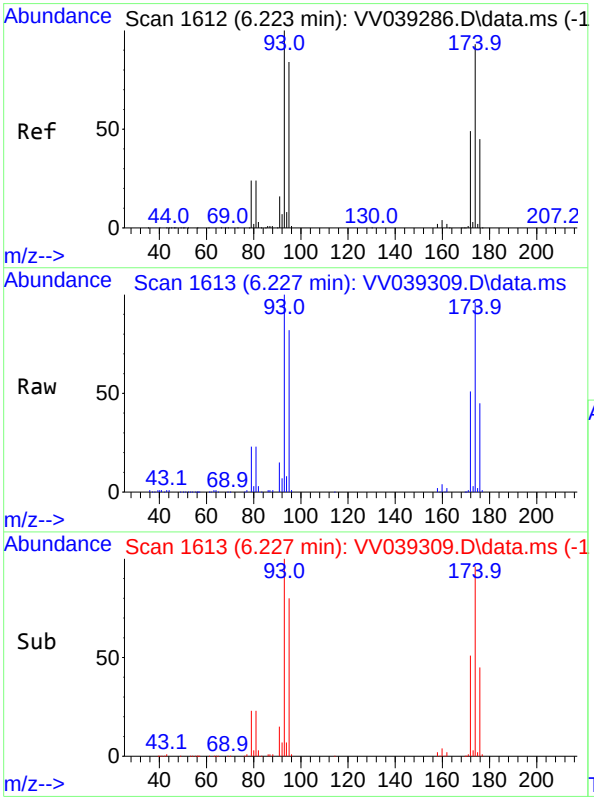
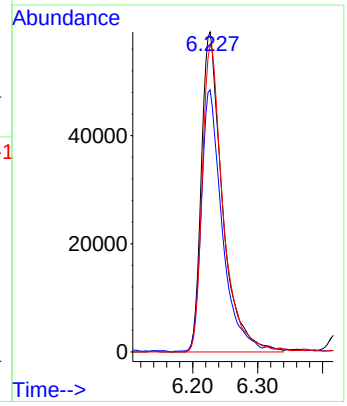
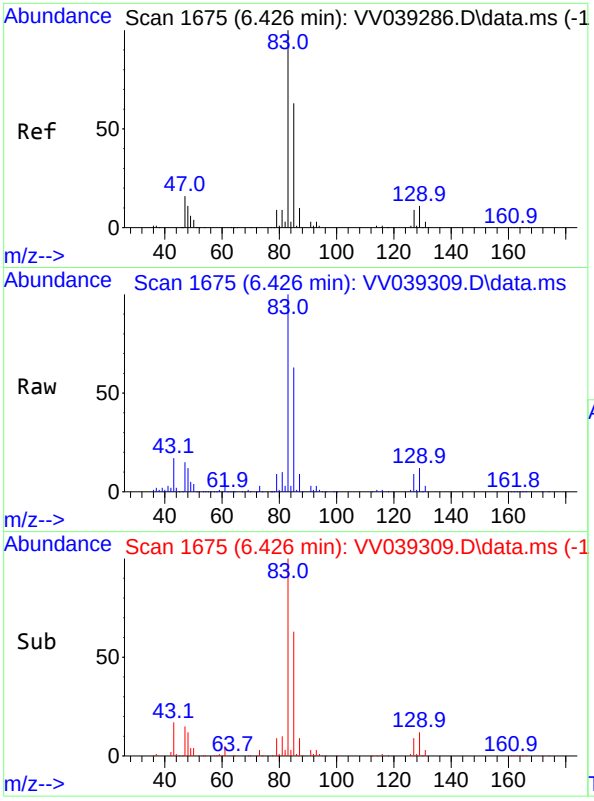


#46
Dibromomethane
Concen: 17.903 ug/l
RT: 6.227 min Scan# 1613
Delta R.T. 0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 93 Resp: 132973

Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.6	98.4
174	95.1	74.6	112.0

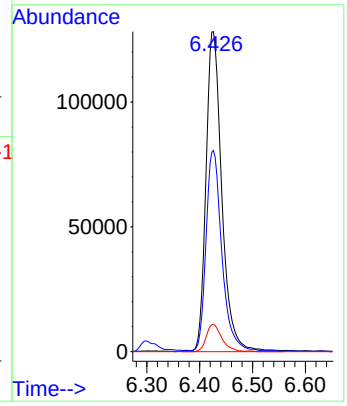




#47
Bromodichloromethane
Concen: 18.255 ug/l
RT: 6.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 83 Resp: 26714

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	8.6	7.0	10.6



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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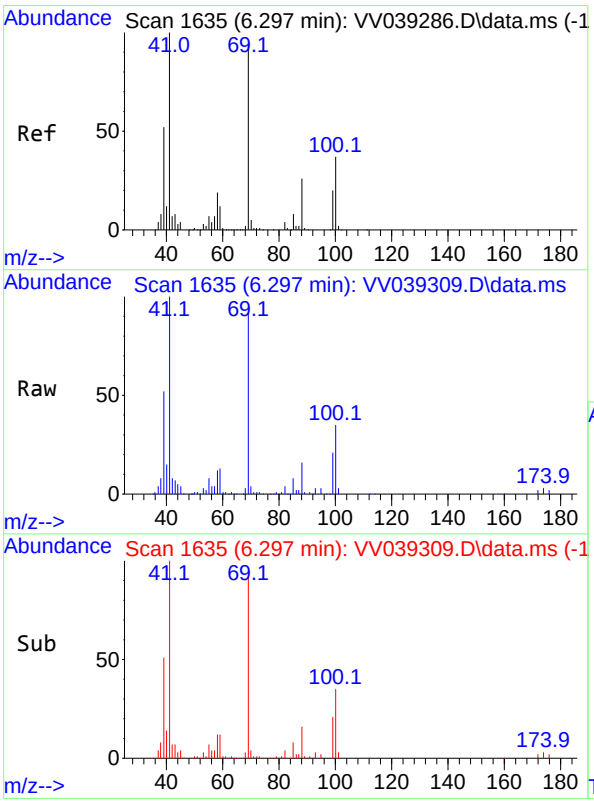
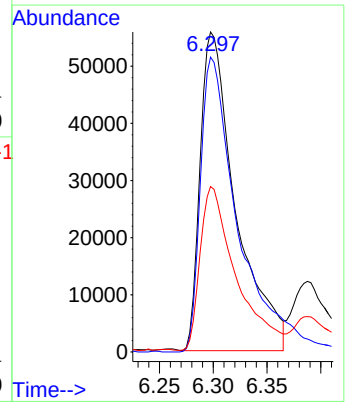
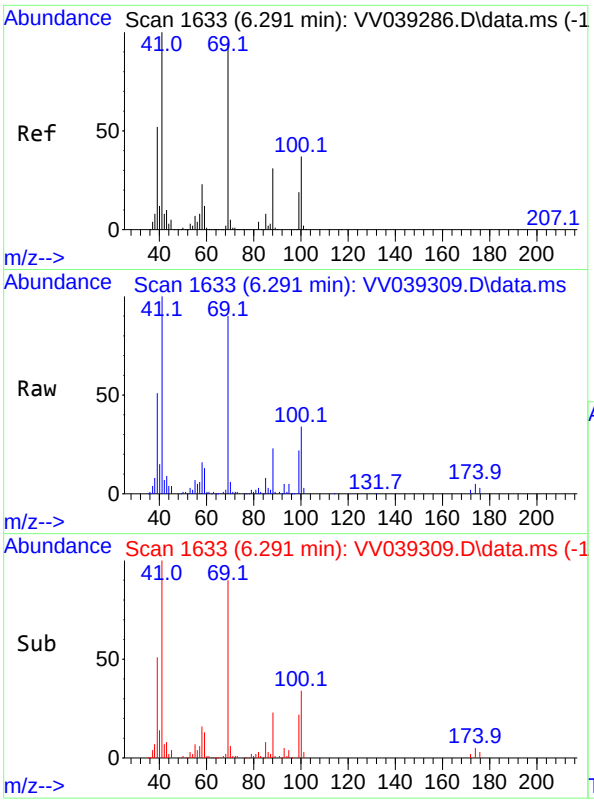


#48
Methyl methacrylate
Concen: 15.908 ug/l
RT: 6.297 min Scan# 1635
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 41 Resp: 128547

Ion	Ratio	Lower	Upper
41	100		
69	99.4	77.2	115.8
39	51.8	41.4	62.0

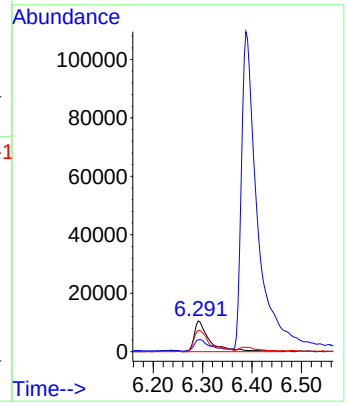




#49
1,4-Dioxane
Concen: 174.875 ug/l m
RT: 6.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 88 Resp: 2350

Ion	Ratio	Lower	Upper
88	100		
43	39.6	24.1	36.1
58	69.0	57.6	86.4



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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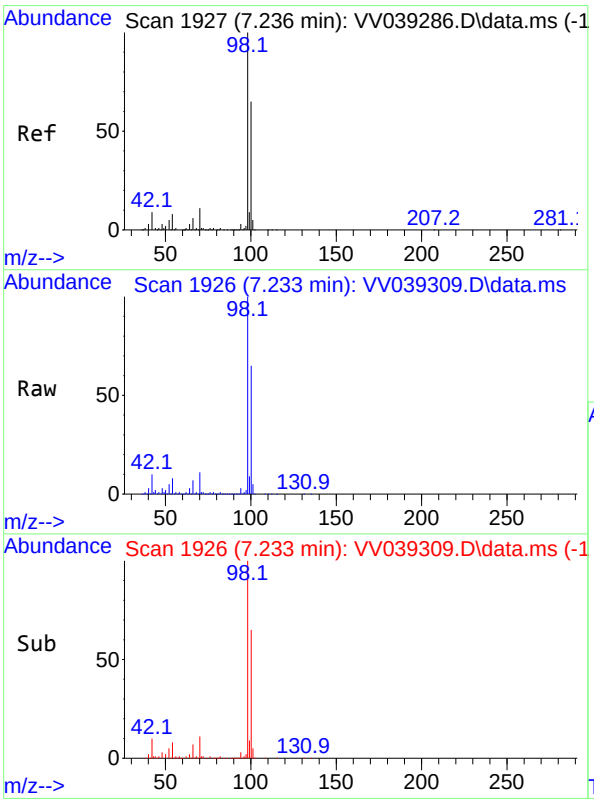
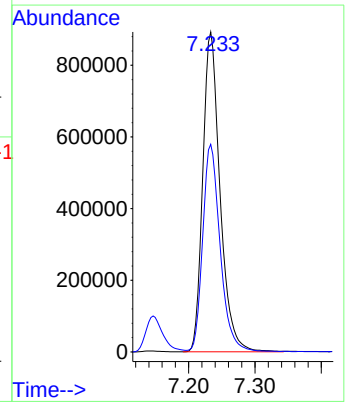
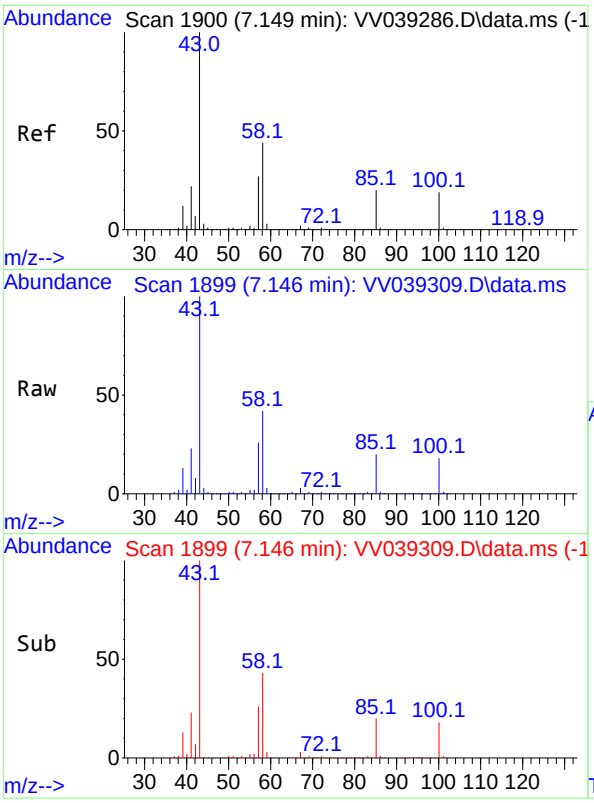


#50
Toluene-d8
Concen: 52.451 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 98 Resp: 1616726

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.8	79.2

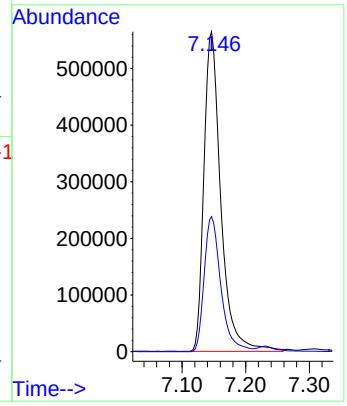




#51
4-Methyl-2-Pentanone
Concen: 86.132 ug/l
RT: 7.146 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 43 Resp: 104228

Ion	Ratio	Lower	Upper
43	100		
58	41.8	34.2	51.4



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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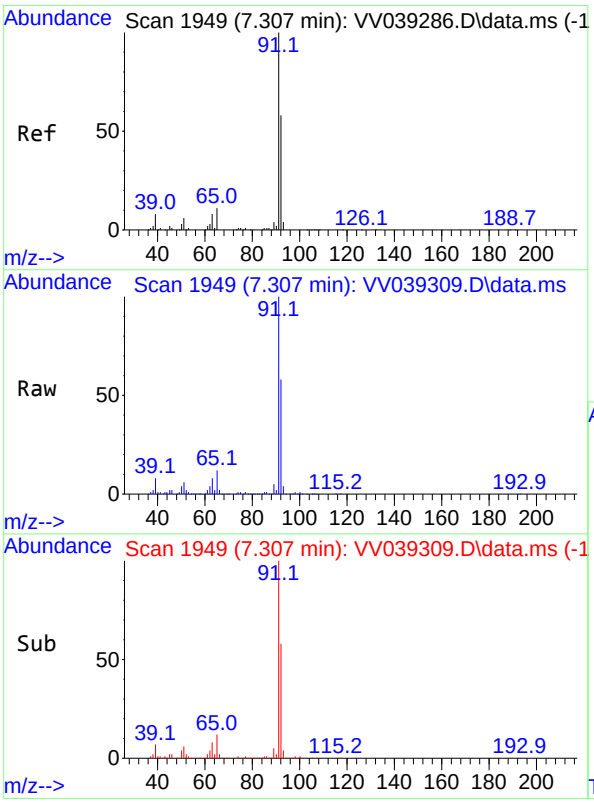
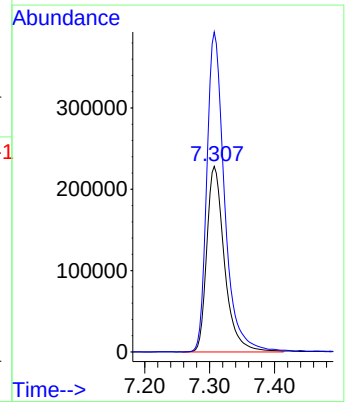
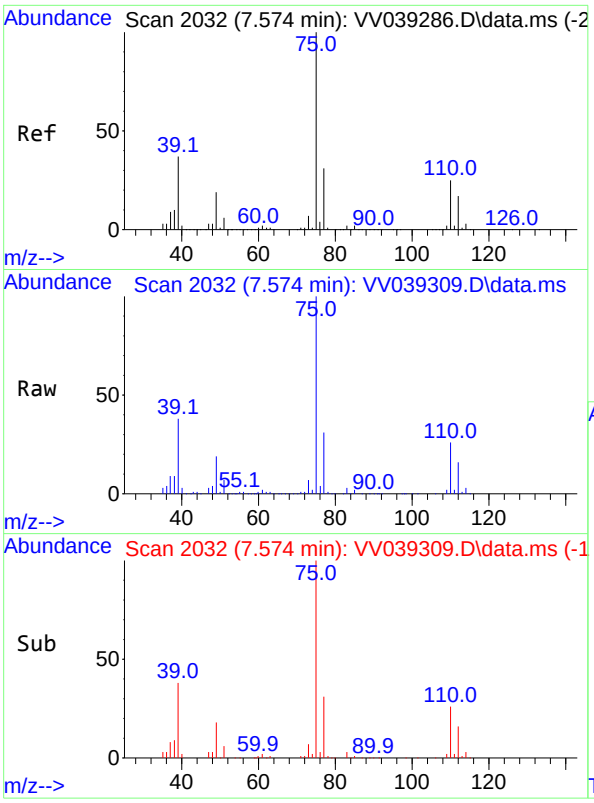


#52
Toluene
Concen: 19.733 ug/l
RT: 7.307 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 92 Resp: 435082

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.3	205.9





#53
t-1,3-Dichloropropene
Concen: 18.836 ug/l
RT: 7.574 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 75 Resp: 24090

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.1	37.7

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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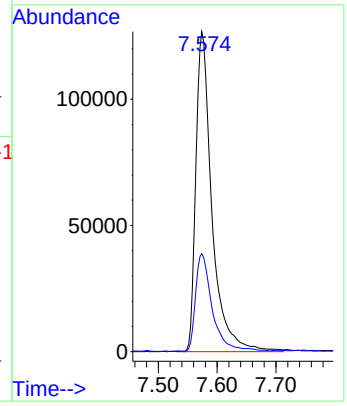
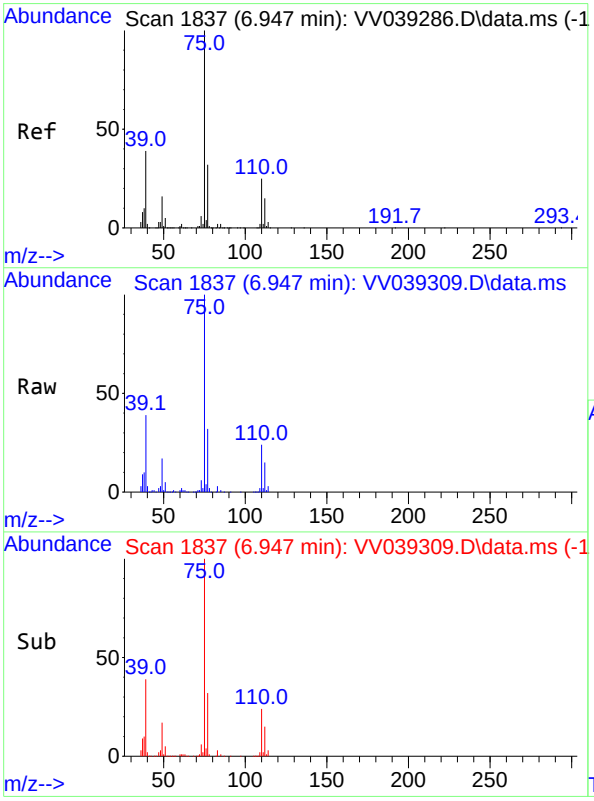
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

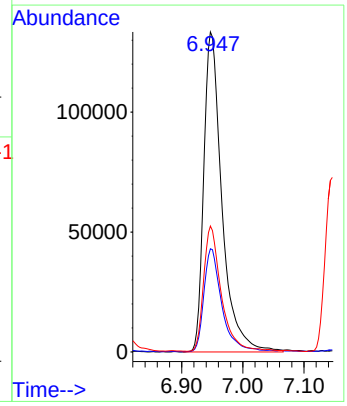


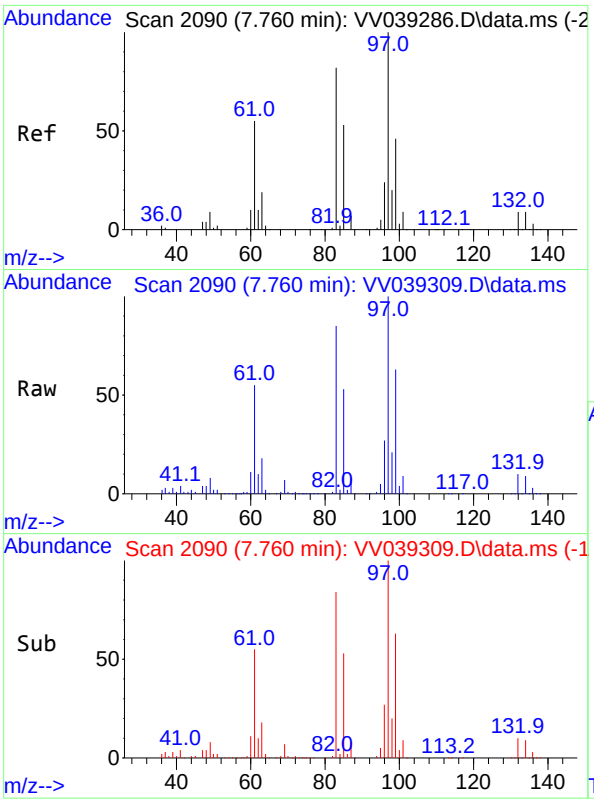


#54
cis-1,3-Dichloropropene
Concen: 19.356 ug/l
RT: 6.947 min Scan# 1837
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 75 Resp: 275230

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4
39	39.1	31.0	46.6

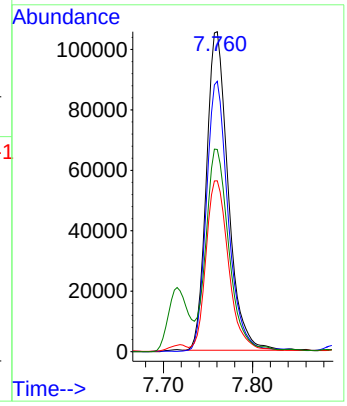




#55
1,1,2-Trichloroethane
Concen: 17.961 ug/l
RT: 7.760 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 97 Resp: 17882

Ion	Ratio	Lower	Upper
97	100		
83	84.7	65.8	98.8
85	53.2	43.3	64.9
99	62.8	51.1	76.7



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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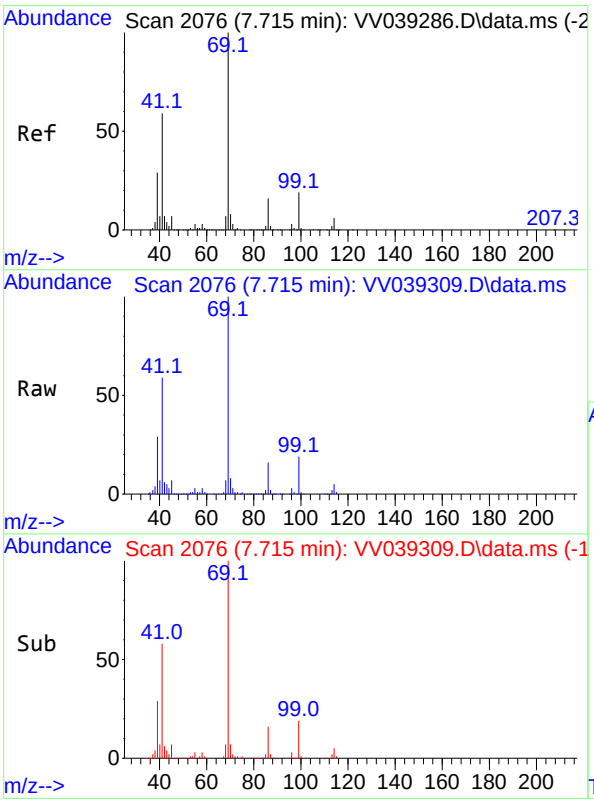
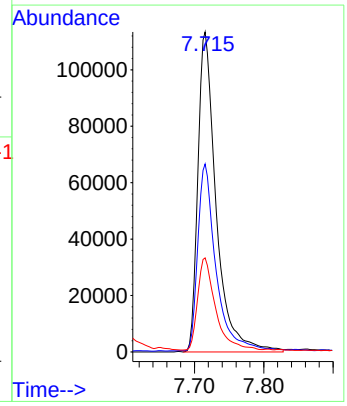
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

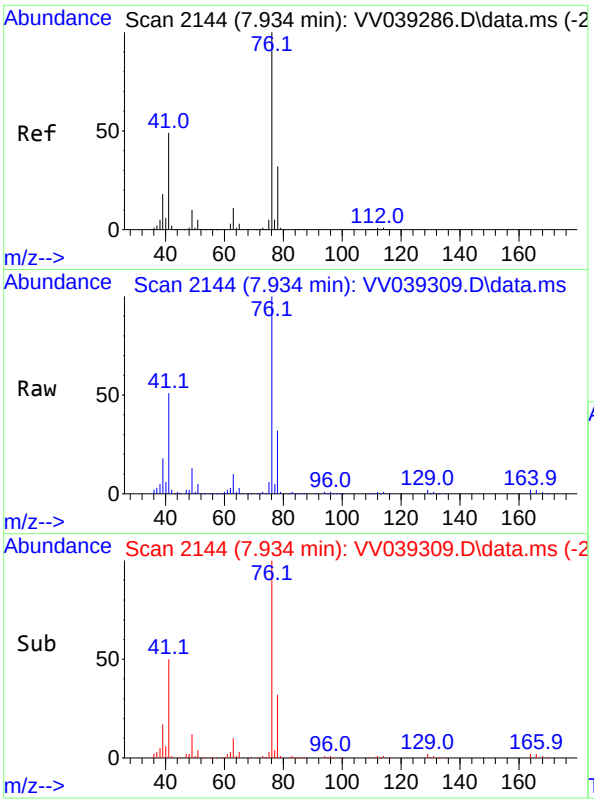


#56
Ethyl methacrylate
Concen: 18.465 ug/l
RT: 7.715 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 69 Resp: 208276

Ion	Ratio	Lower	Upper
69	100		
41	58.4	47.1	70.7
39	28.1	23.2	34.8

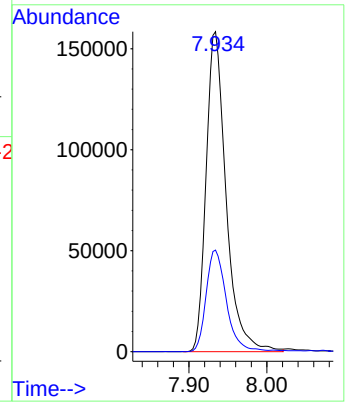




#57
1,3-Dichloropropane
Concen: 18.803 ug/l
RT: 7.934 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 76 Resp: 28249

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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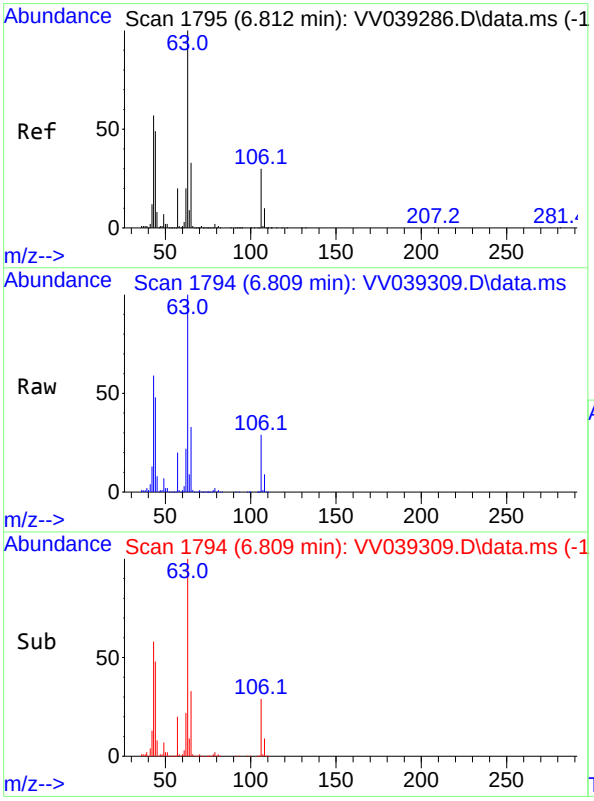
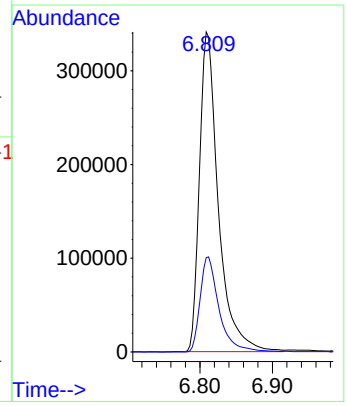
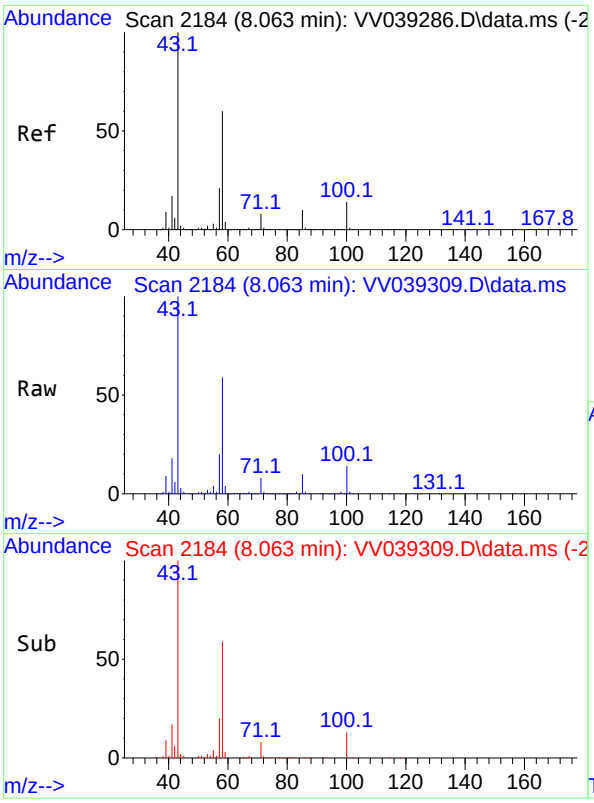


#58
2-Chloroethyl Vinyl ether
Concen: 95.710 ug/l
RT: 6.809 min Scan# 1794
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 63 Resp: 616357

Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.5	35.3

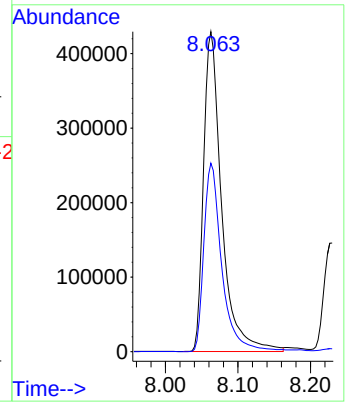




#59
2-Hexanone
Concen: 83.755 ug/l
RT: 8.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 43 Resp: 74407

Ion	Ratio	Lower	Upper
43	100		
58	58.8	29.6	88.9



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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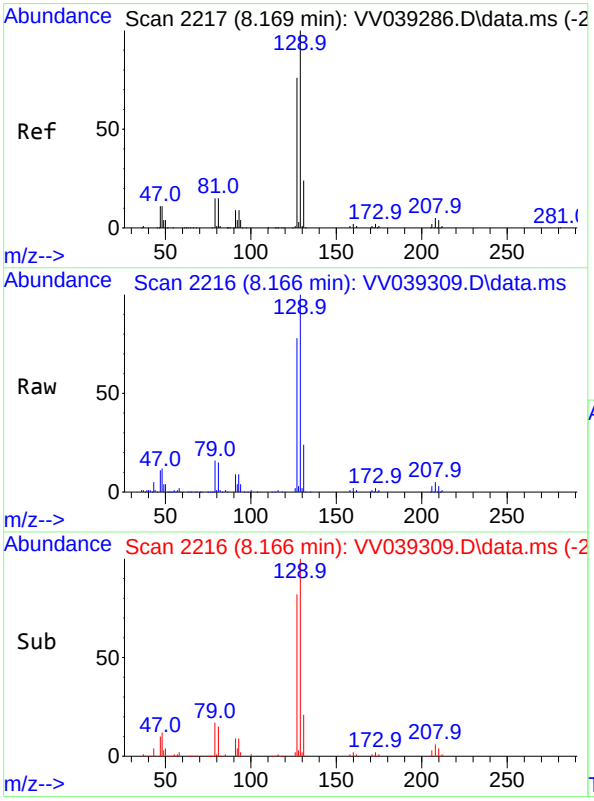
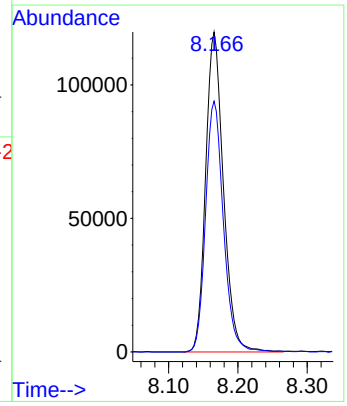
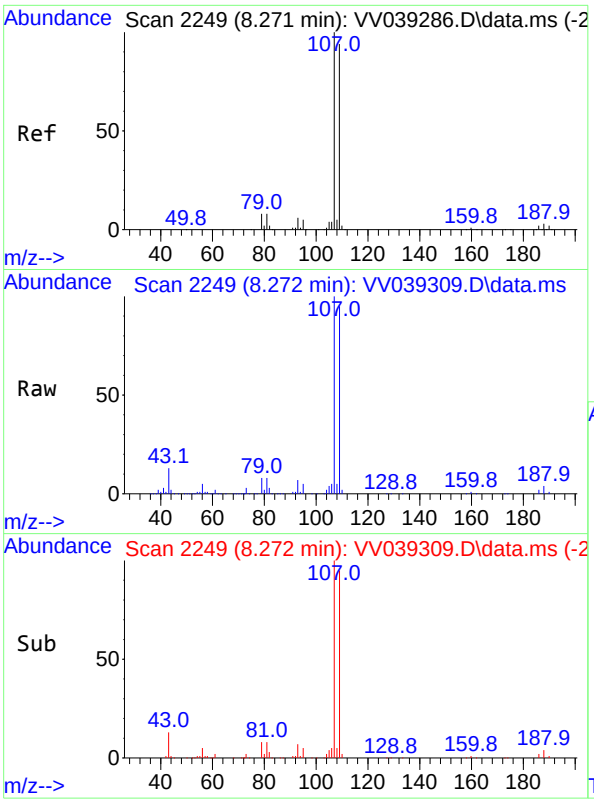


#60
Dibromochloromethane
Concen: 18.318 ug/l
RT: 8.166 min Scan# 2216
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:129 Resp: 213236

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.1

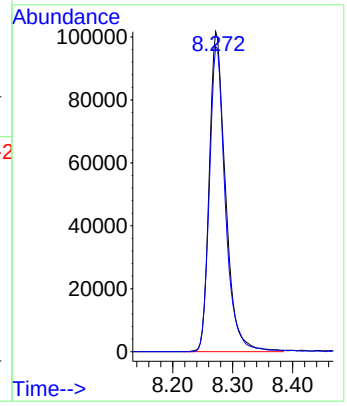




#61
1,2-Dibromoethane
Concen: 18.451 ug/l
RT: 8.272 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:107 Resp: 19127

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.6



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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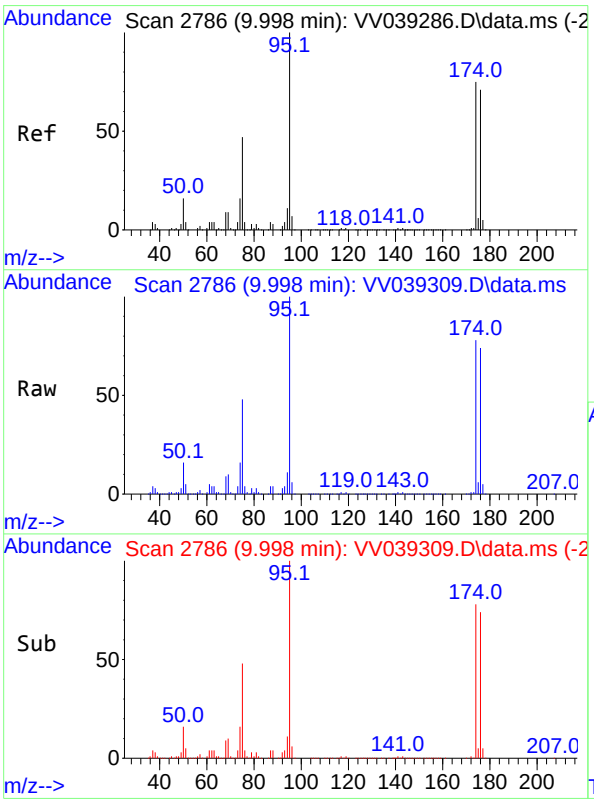
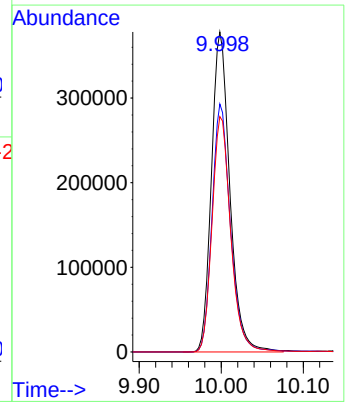
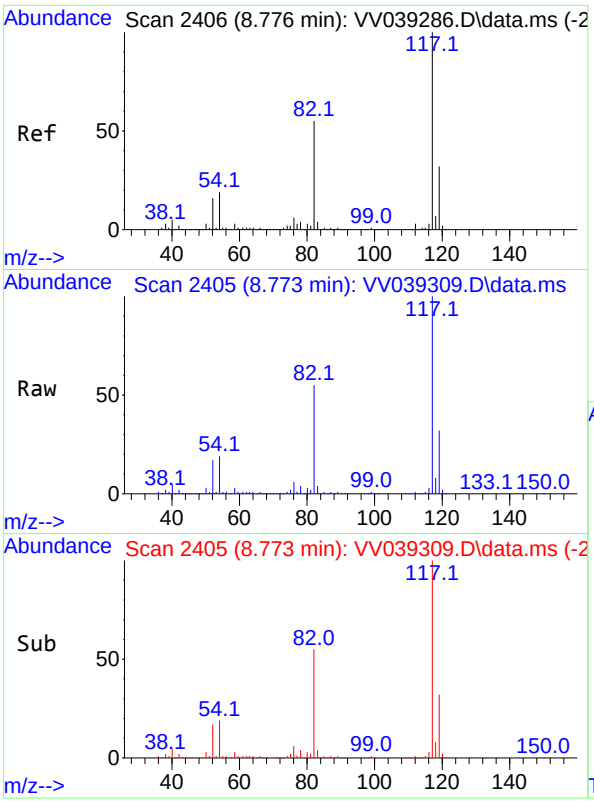


#62
4-Bromofluorobenzene
Concen: 53.683 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 95 Resp: 589312

Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	153.6
176	74.6	0.0	146.0

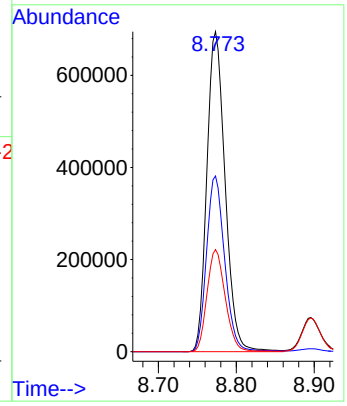




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:117 Resp: 112951

Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.8	65.8
119	31.9	25.8	38.6



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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Reviewed By :Amit Patel 11/05/2025
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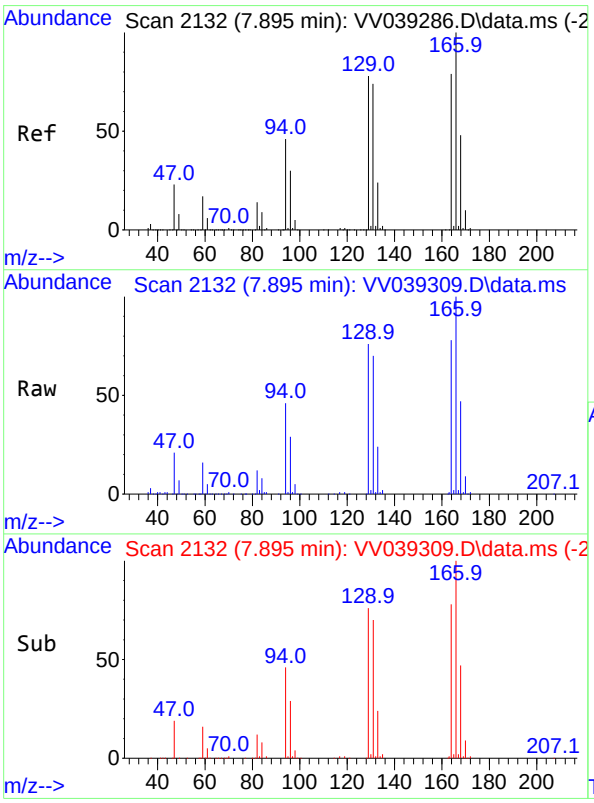
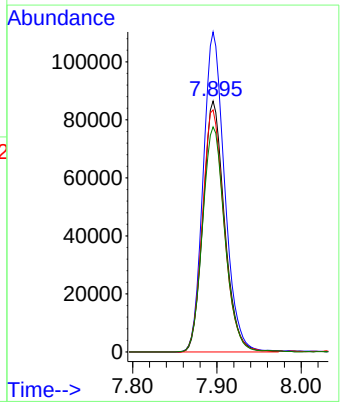
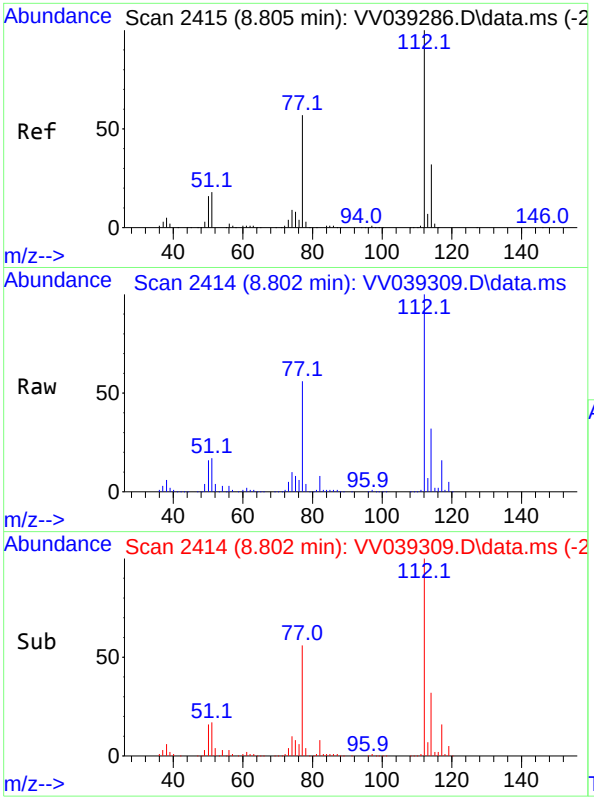


#64
Tetrachloroethene
Concen: 18.578 ug/l
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:164 Resp: 153069

Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.0	151.6
129	96.5	79.0	118.6
131	89.6	74.4	111.6

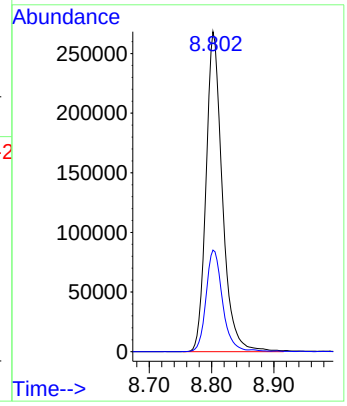




#65
Chlorobenzene
Concen: 18.255 ug/l
RT: 8.802 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:112 Resp: 48811

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.7	38.5



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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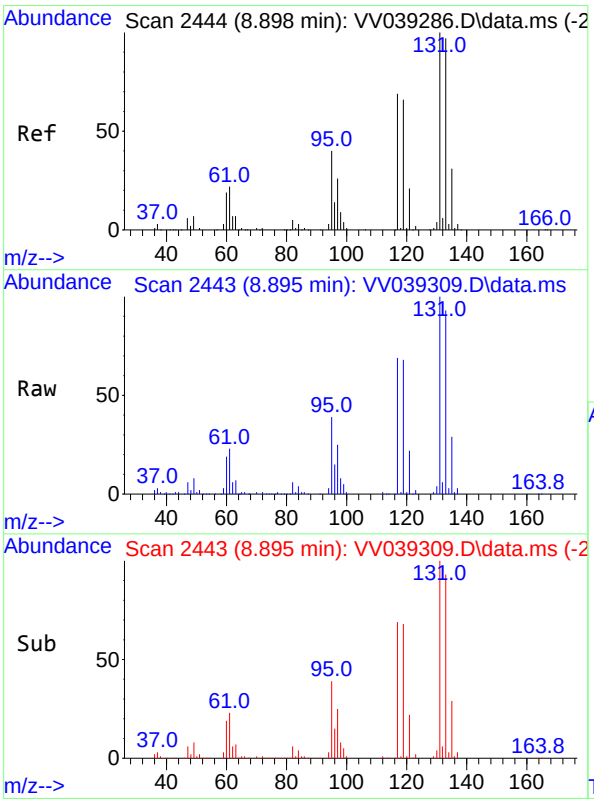
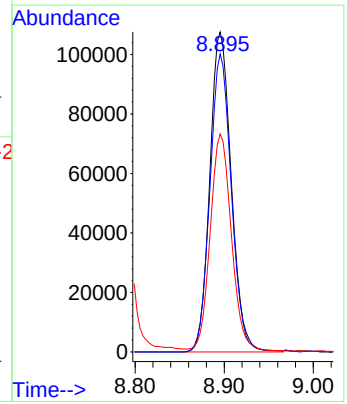
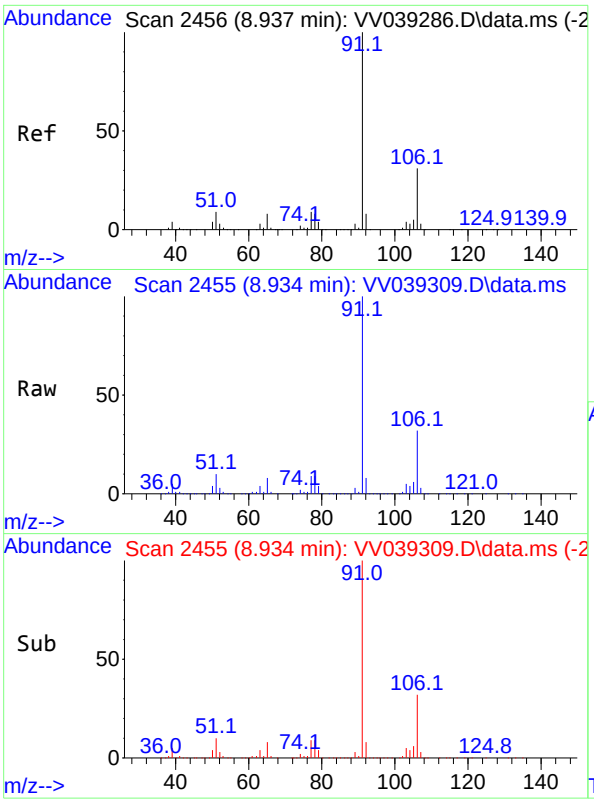


#66
1,1,1,2-Tetrachloroethane
Concen: 17.931 ug/l
RT: 8.895 min Scan# 2443
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:131 Resp: 179594

Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.8	143.3
119	66.8	32.7	98.1

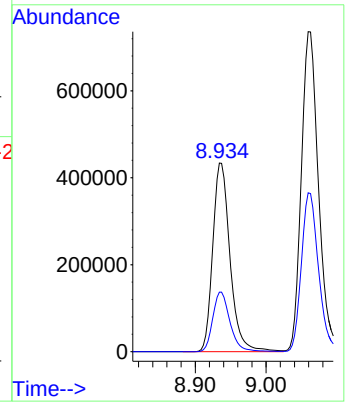




#67
Ethyl Benzene
Concen: 18.673 ug/l
RT: 8.934 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 91 Resp: 73550

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.6	37.0



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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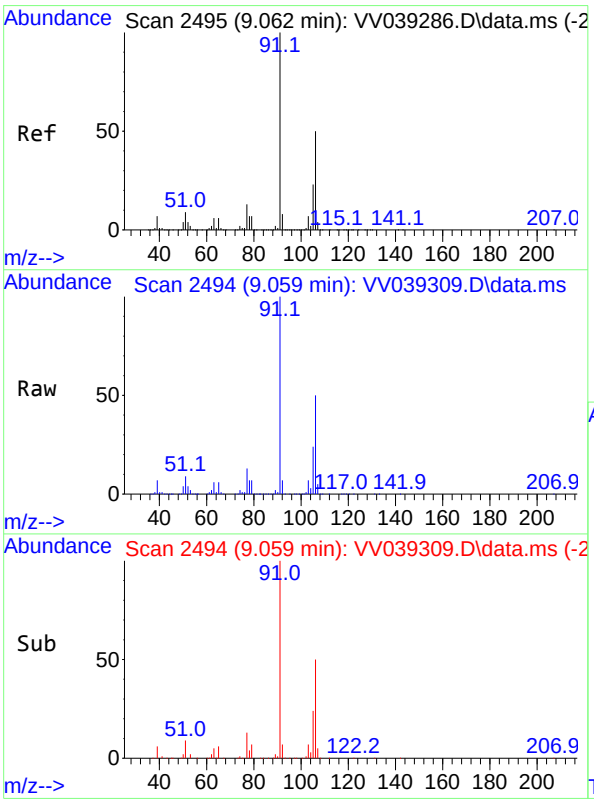
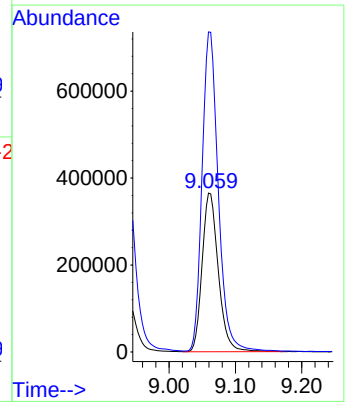
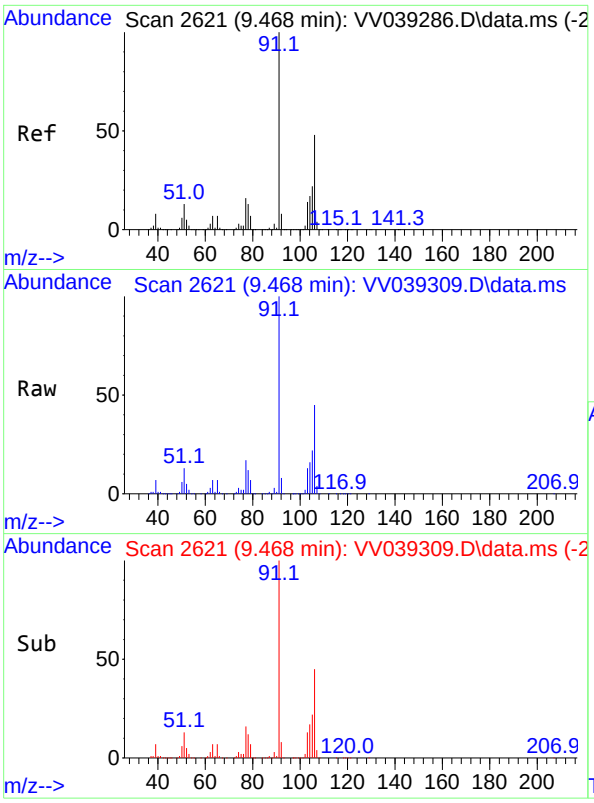


#68
m/p-Xylenes
Concen: 39.575 ug/l
RT: 9.059 min Scan# 2494
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:106 Resp: 618237

Ion	Ratio	Lower	Upper
106	100		
91	202.1	160.2	240.2

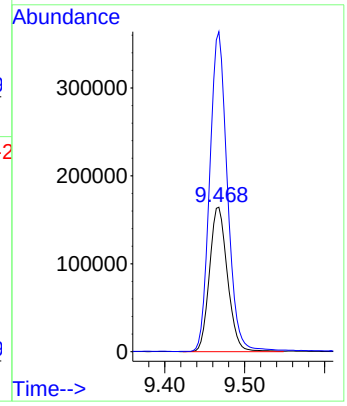




#69
o-Xylene
Concen: 18.653 ug/l
RT: 9.468 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:106 Resp: 25732

Ion	Ratio	Lower	Upper
106	100		
91	219.0	105.8	317.3



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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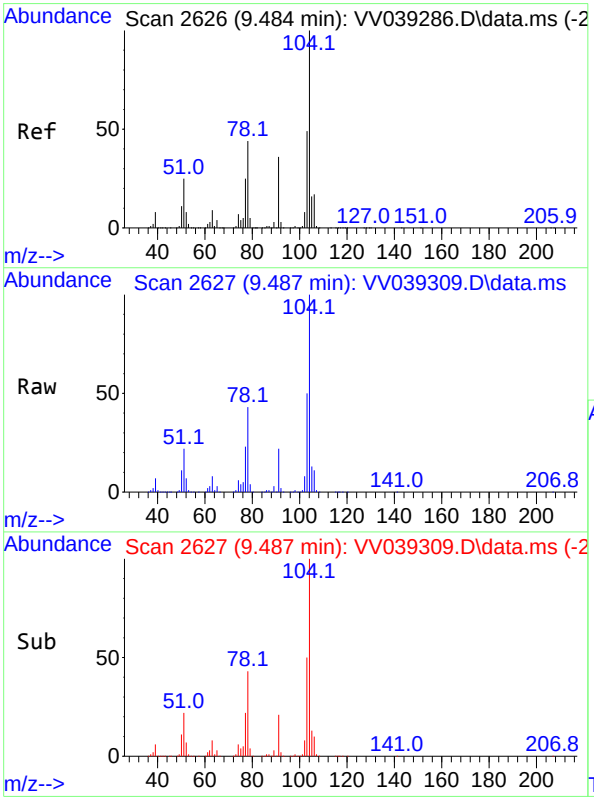
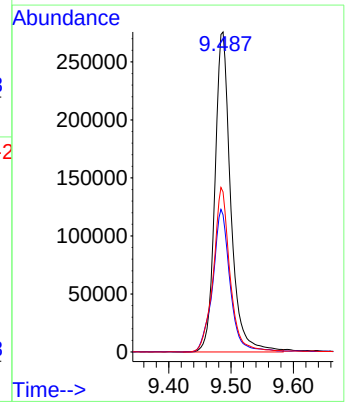
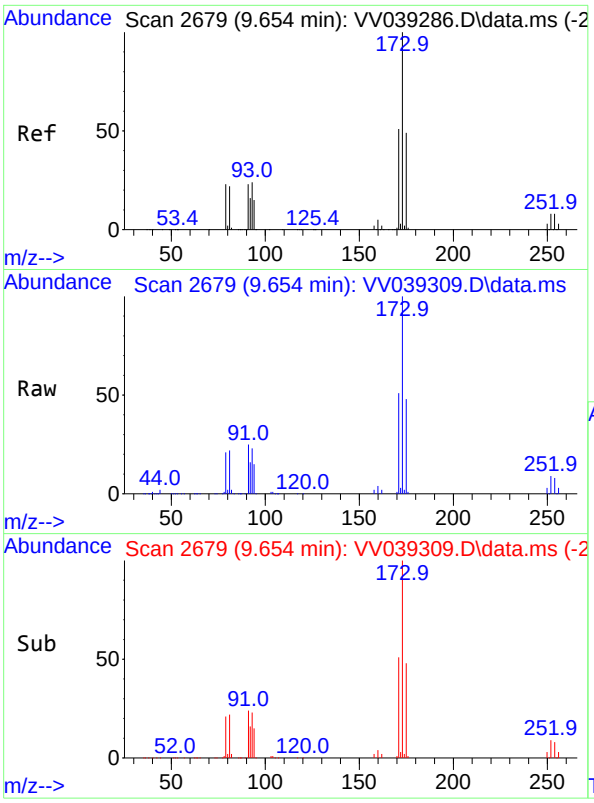


#70
Styrene
Concen: 19.829 ug/l
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:104 Resp: 486737

Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.9	58.3
103	54.3	42.9	64.3

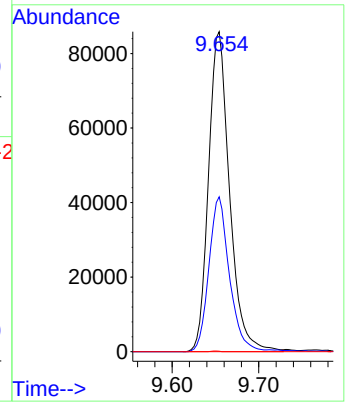




#71
Bromoform
Concen: 17.863 ug/l
RT: 9.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:173 Resp: 14469

Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	73.6
254	0.1	0.2	0.2



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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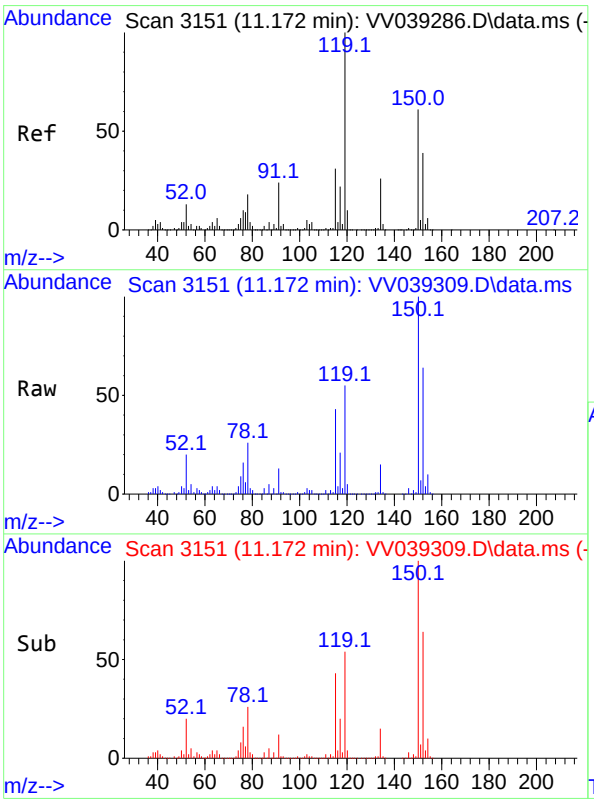
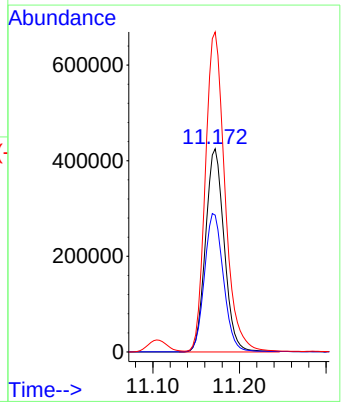
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

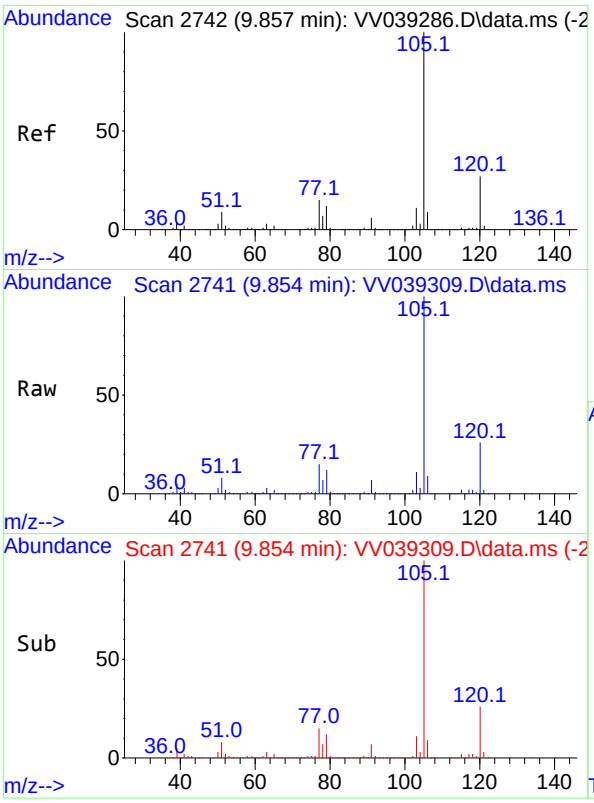


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:152 Resp: 636116

Ion	Ratio	Lower	Upper
152	100		
115	69.5	42.3	126.8
150	164.9	0.0	348.0

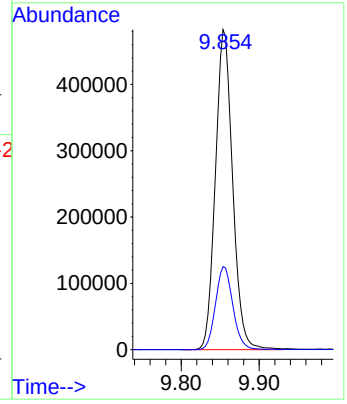




#73
Isopropylbenzene
Concen: 19.206 ug/l
RT: 9.854 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:105 Resp: 74189

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.5



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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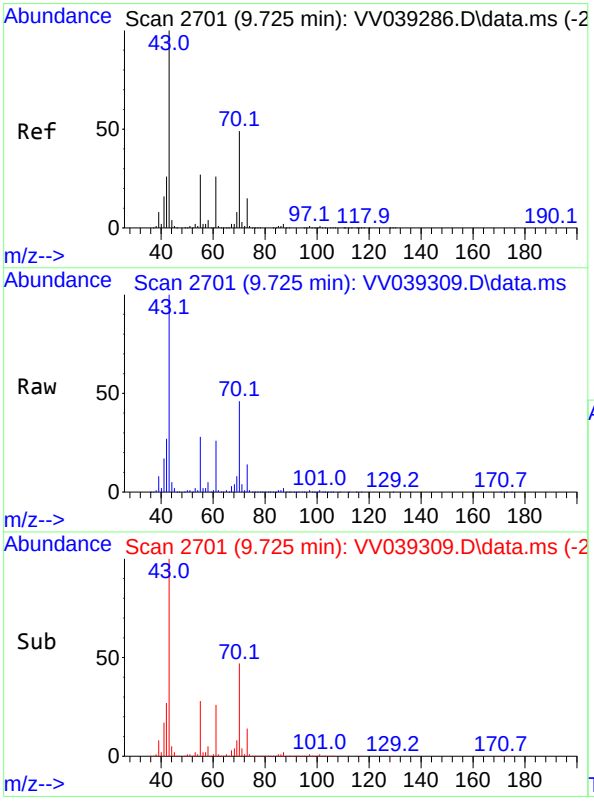
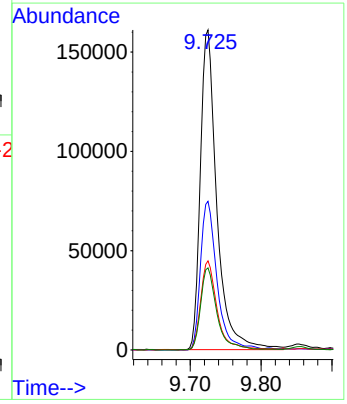
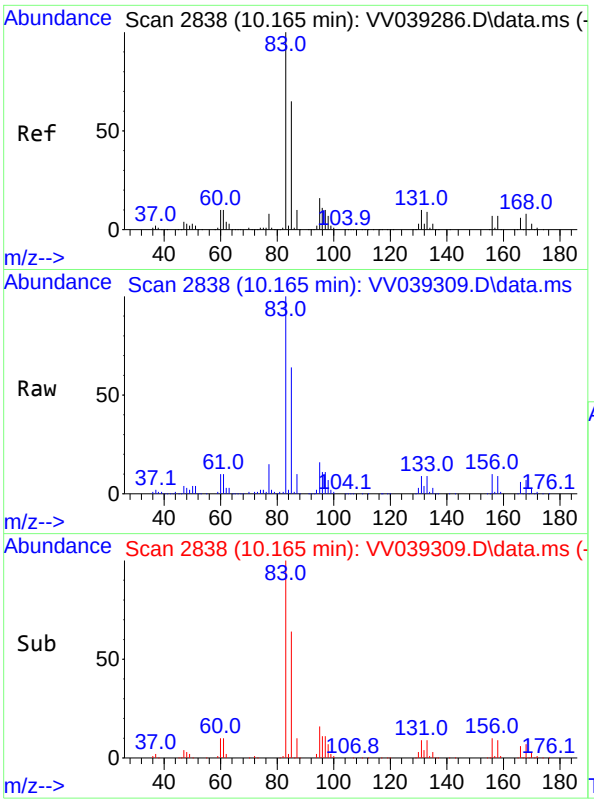


#74
N-amyl acetate
Concen: 16.384 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 43 Resp: 260778

Ion	Ratio	Lower	Upper
43	100		
70	46.7	38.6	58.0
55	27.8	21.9	32.9
61	25.3	21.0	31.4

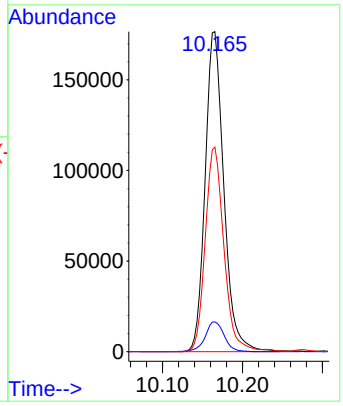




#75
1,1,2,2-Tetrachloroethane
Concen: 16.187 ug/l
RT: 10.165 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 83 Resp: 28713

Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	63.6	32.4	97.2



Instrument :
MSVOA_V
ClientSampleId :
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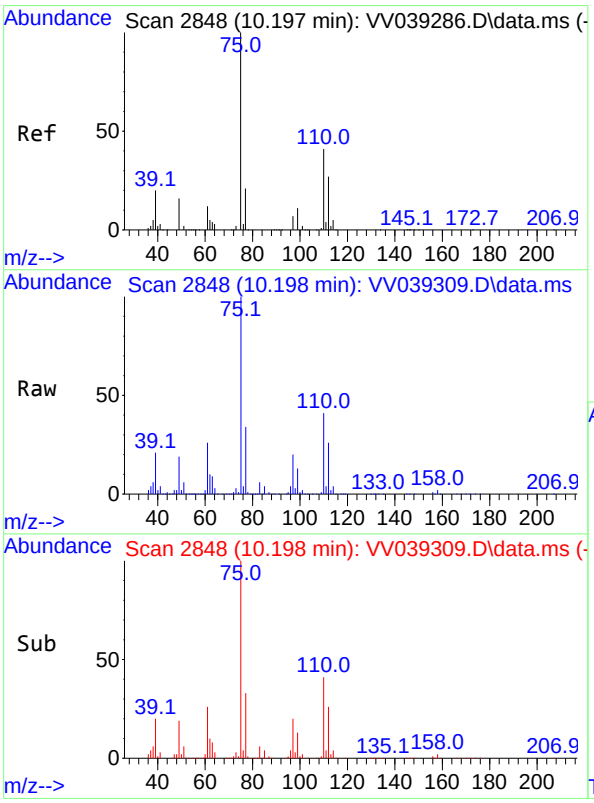
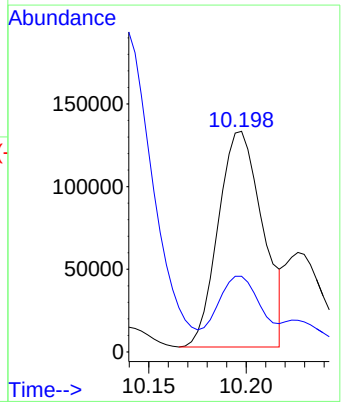
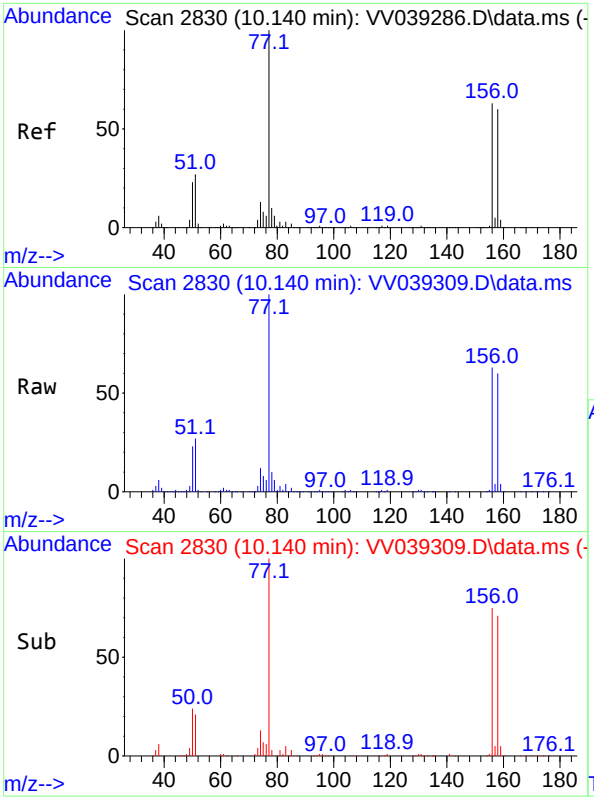


#76
1,2,3-Trichloropropane
Concen: 16.331 ug/l
RT: 10.198 min Scan# 2848
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 75 Resp: 207338

Ion	Ratio	Lower	Upper
75	100		
77	21.2	12.2	36.4

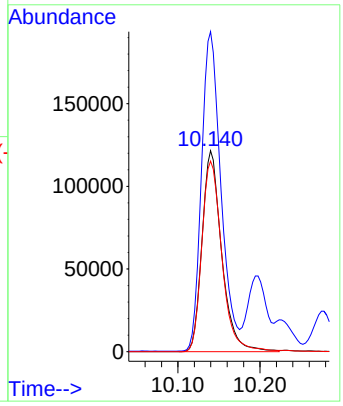




#77
Bromobenzene
Concen: 19.061 ug/l
RT: 10.140 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:156 Resp: 20240

Ion	Ratio	Lower	Upper
156	100		
77	156.8	78.4	235.2
158	96.8	47.7	143.1



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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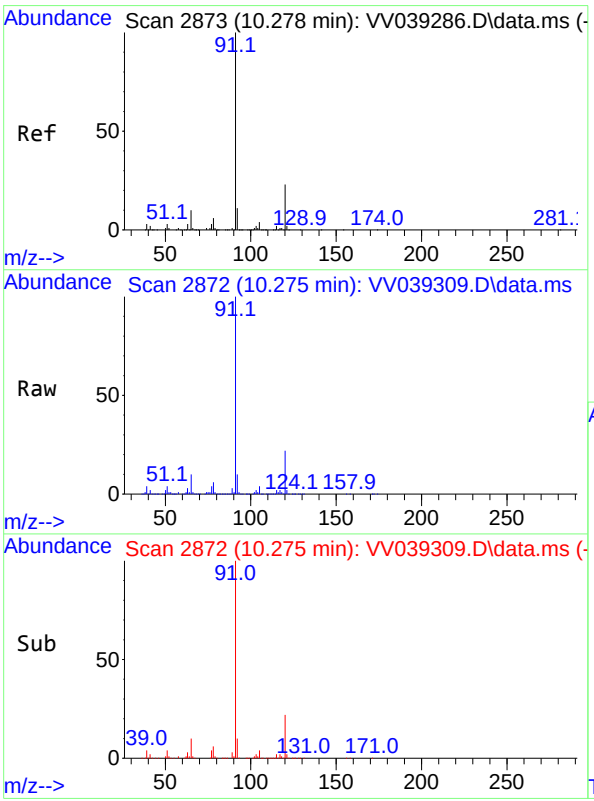
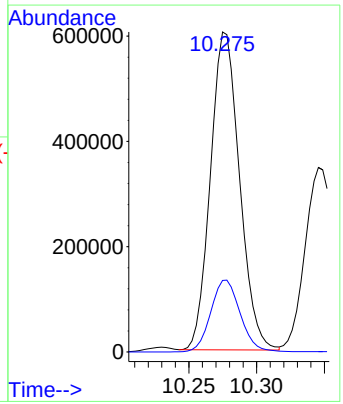
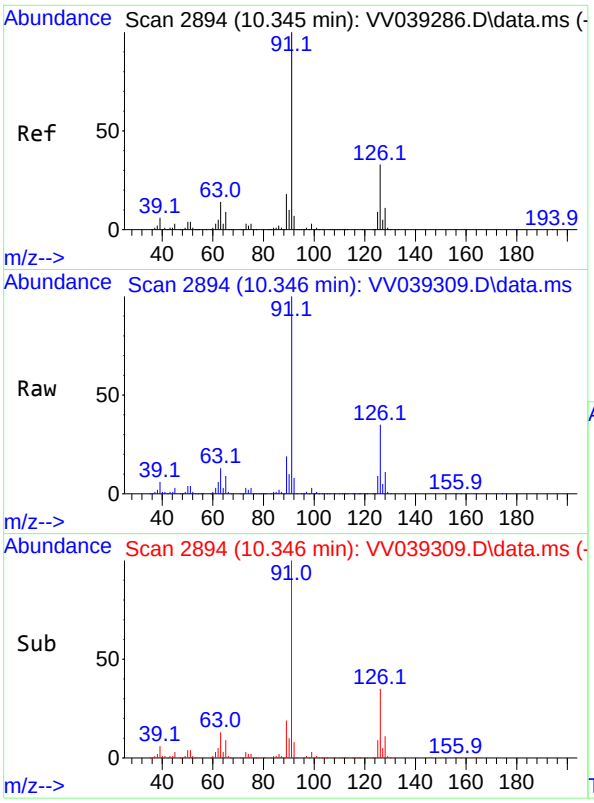


#78
n-propylbenzene
Concen: 19.237 ug/l
RT: 10.275 min Scan# 2872
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 91 Resp: 901629

Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5





#79
2-Chlorotoluene
Concen: 19.189 ug/l
RT: 10.346 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 91 Resp: 55529

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.9	50.6

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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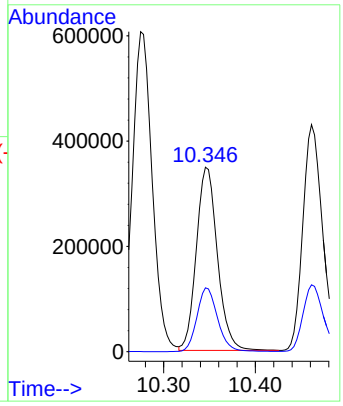
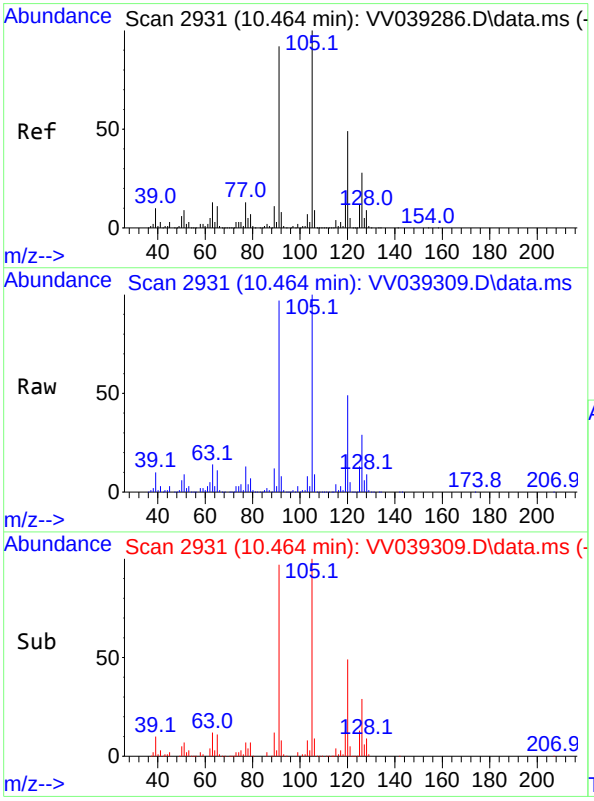
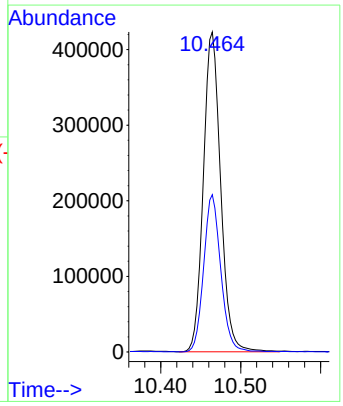


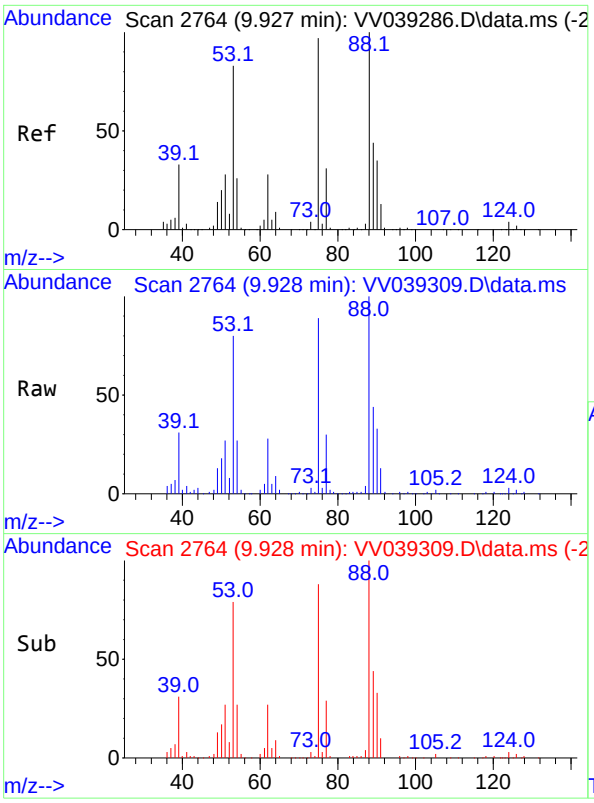


#80
1,3,5-Trimethylbenzene
Concen: 19.675 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:105 Resp: 637404

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.3	73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 16.789 ug/l
RT: 9.928 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 75 Resp: 8440

Ion	Ratio	Lower	Upper
75	100		
53	89.3	69.9	104.9
89	51.1	37.4	56.0

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
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Reviewed By :Amit Patel 11/05/2025
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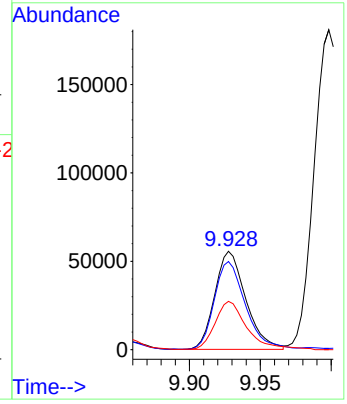
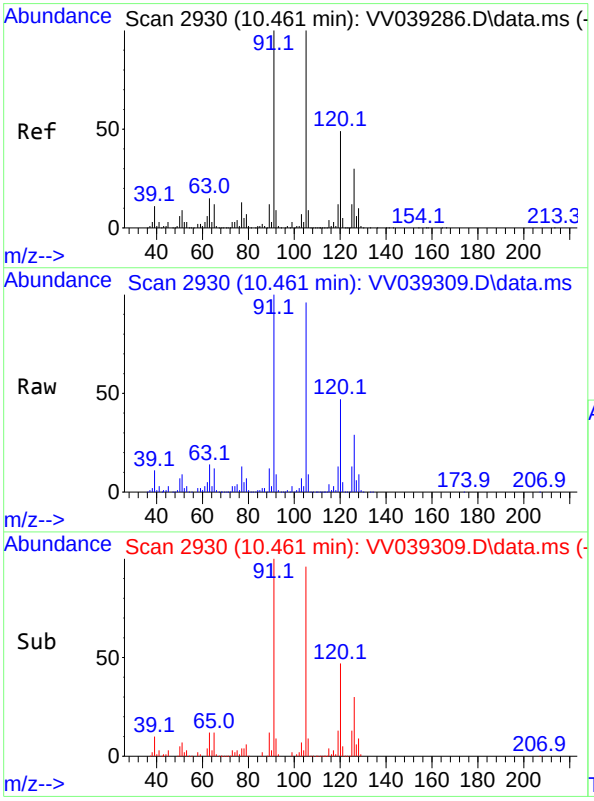
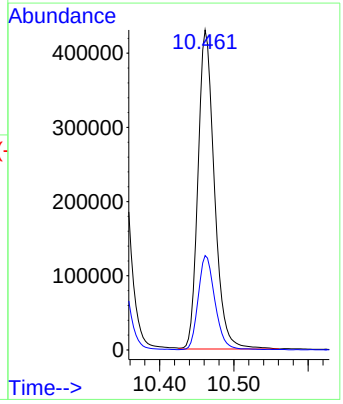


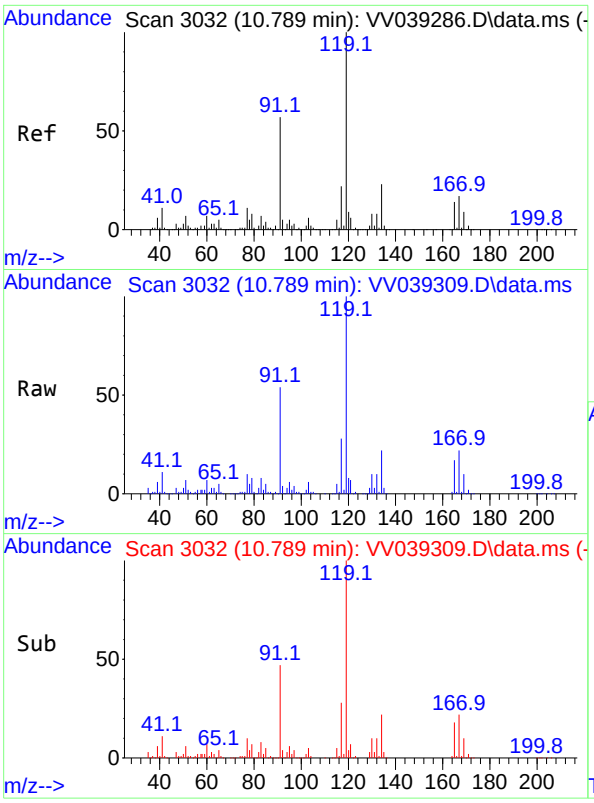


#82
4-Chlorotoluene
Concen: 19.862 ug/l
RT: 10.461 min Scan# 2930
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 91 Resp: 660634

Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.8	44.4

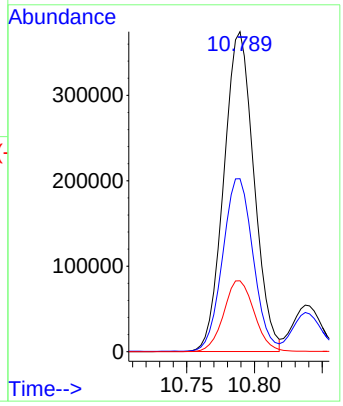




#83
tert-Butylbenzene
Concen: 17.987 ug/l
RT: 10.789 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:119 Resp: 57862

Ion	Ratio	Lower	Upper
119	100		
91	54.8	28.2	84.7
134	22.7	11.5	34.4



Instrument :
MSVOA_V
ClientSampleId :
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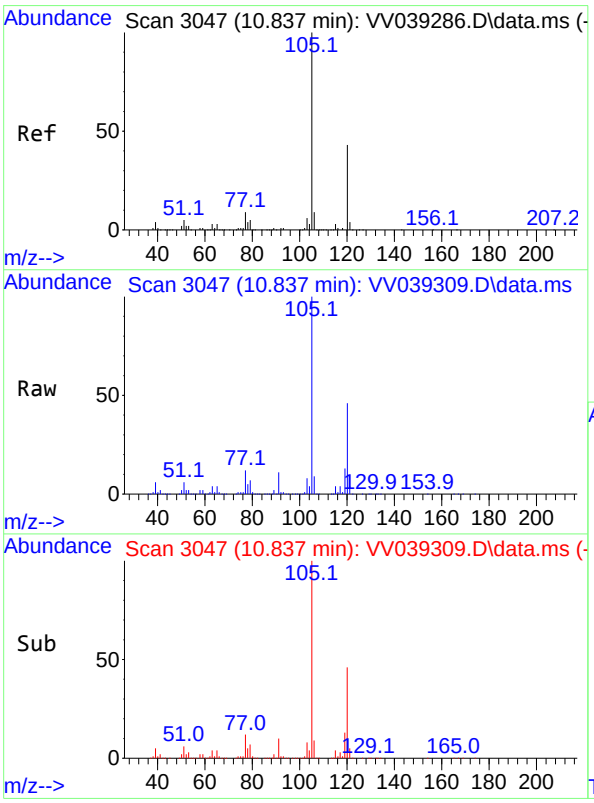
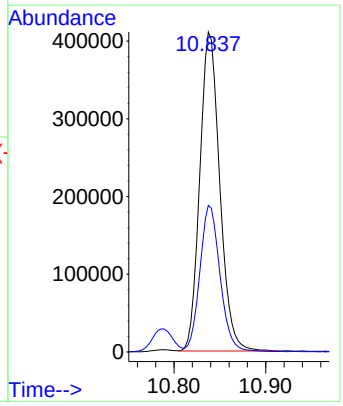
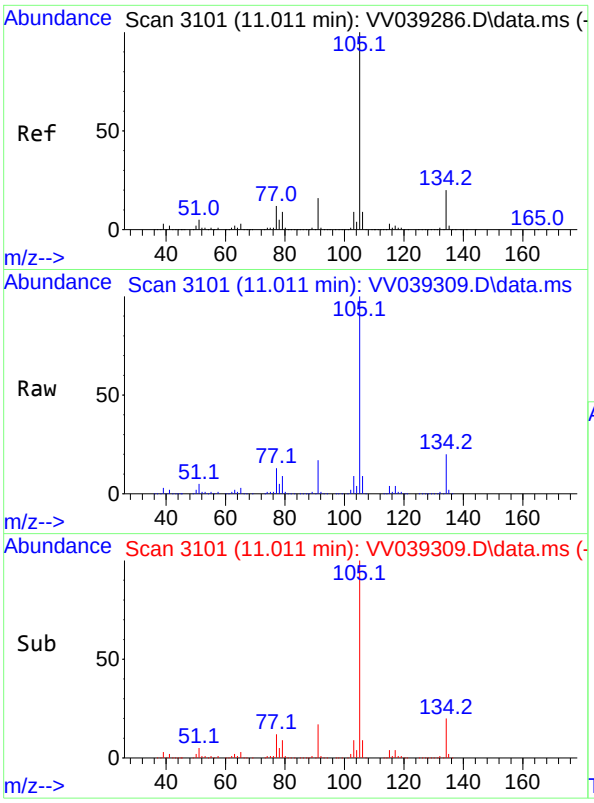


#84
1,2,4-Trimethylbenzene
Concen: 19.443 ug/l
RT: 10.837 min Scan# 3047
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:105 Resp: 620103

Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.8	68.4

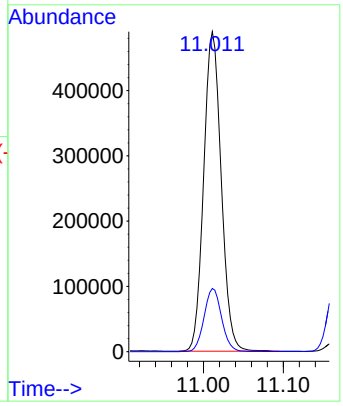




#85
sec-Butylbenzene
Concen: 18.349 ug/l
RT: 11.011 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:105 Resp: 74631

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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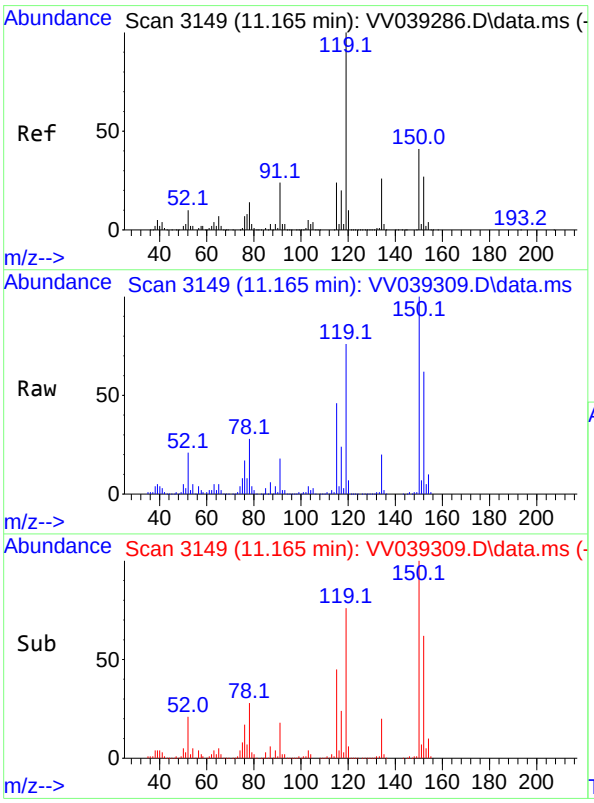
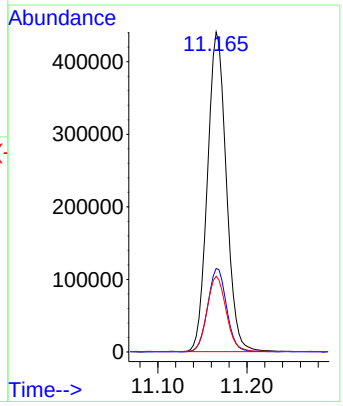
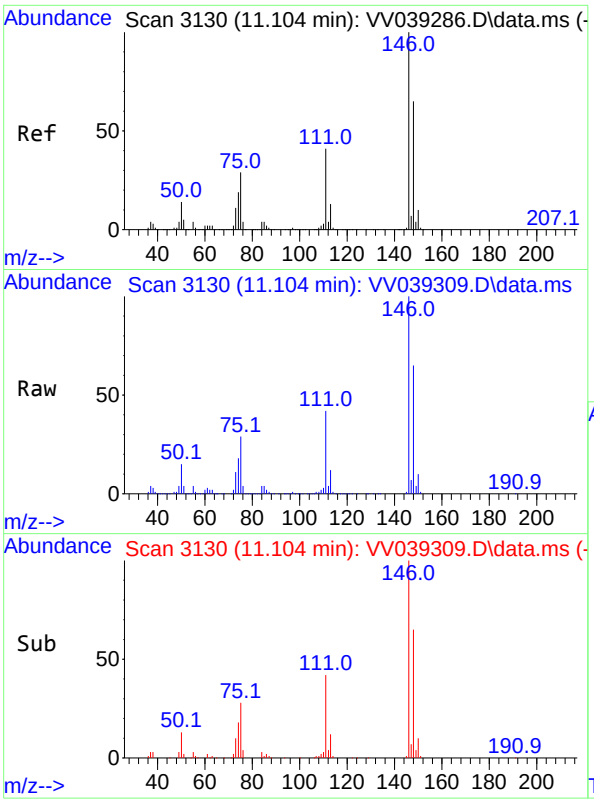


#86
p-Isopropyltoluene
Concen: 18.498 ug/l
RT: 11.165 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:119 Resp: 646871

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.1	12.2	36.4





#87
1,3-Dichlorobenzene
Concen: 18.695 ug/l
RT: 11.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:146 Resp: 39597

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.8
148	64.5	31.9	95.9

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

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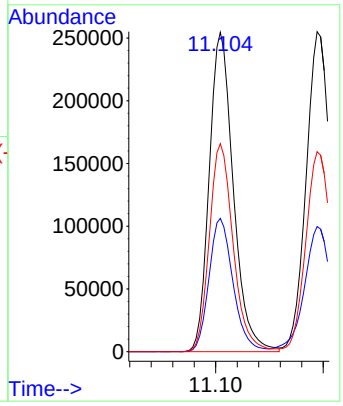
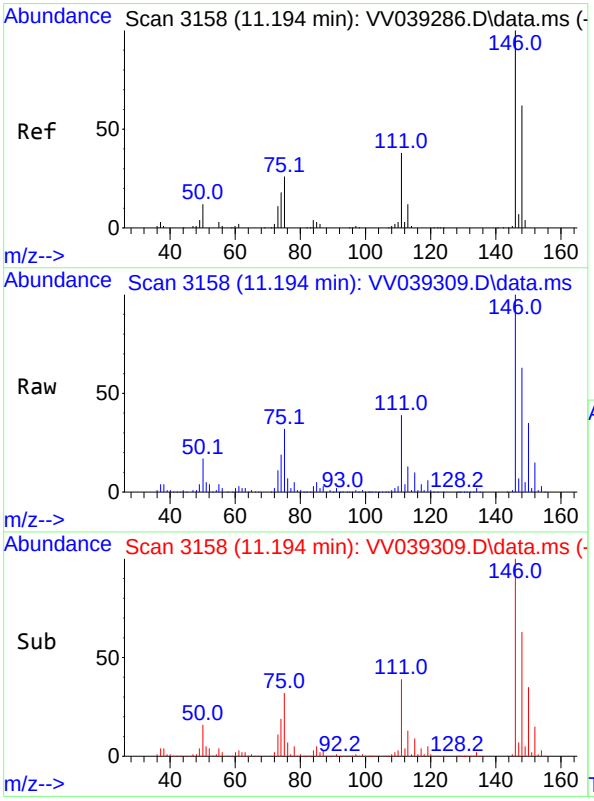
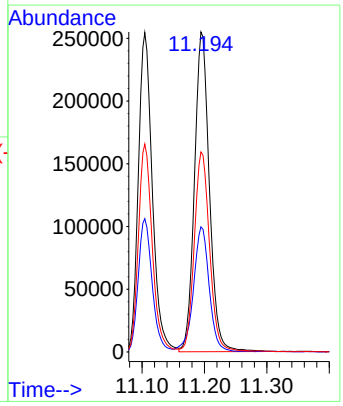


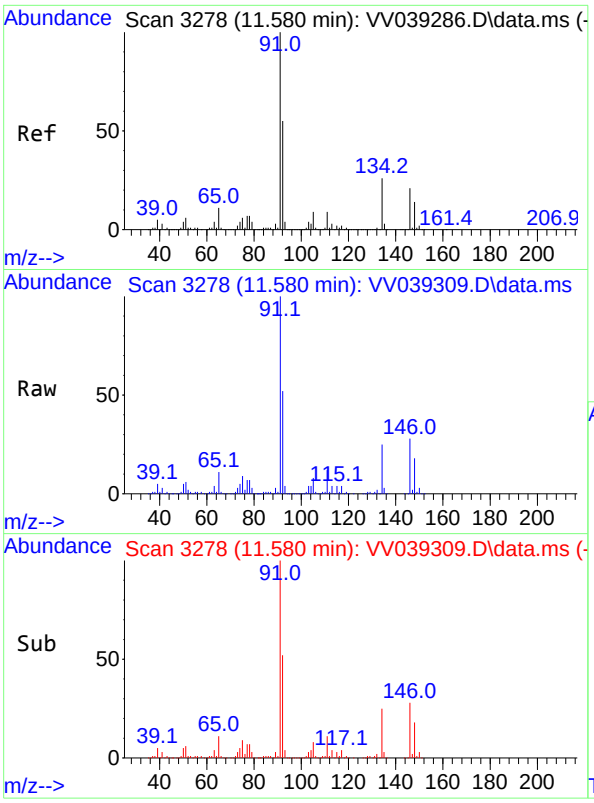


#88
1,4-Dichlorobenzene
Concen: 17.862 ug/l
RT: 11.194 min Scan# 3158
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:146 Resp: 423406

Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.7	59.0
148	63.7	31.5	94.5

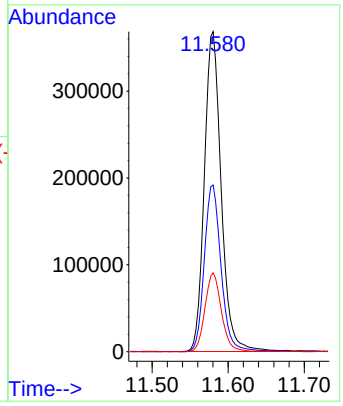




#89
n-Butylbenzene
Concen: 17.415 ug/l
RT: 11.580 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 91 Resp: 56714

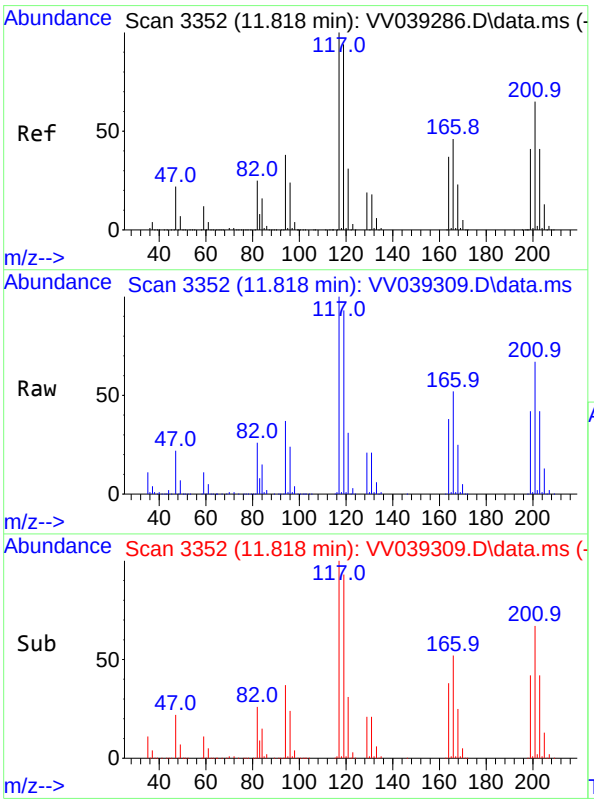
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.6
134	24.0	12.6	37.8



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
APPROVED

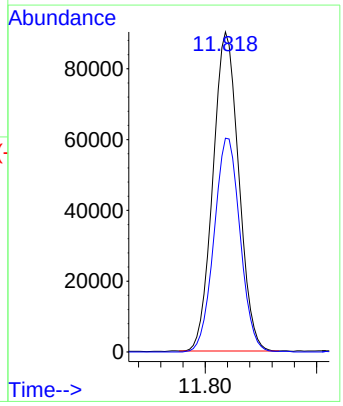
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

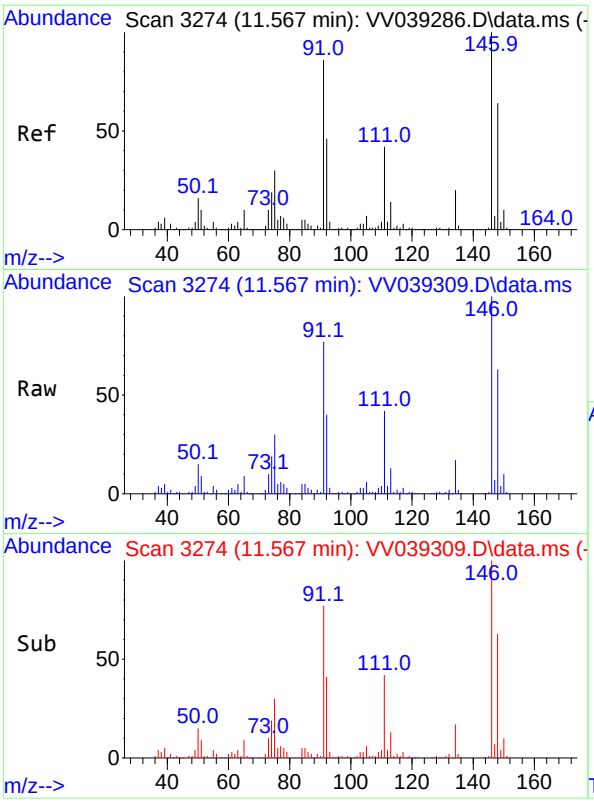


#90
Hexachloroethane
Concen: 16.776 ug/l
RT: 11.818 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:117 Resp: 145066

Ion	Ratio	Lower	Upper
117	100		
201	67.8	33.7	101.1

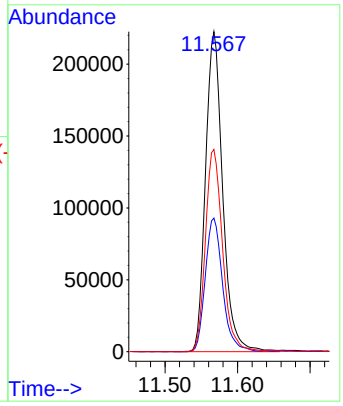




#91
1,2-Dichlorobenzene
Concen: 18.133 ug/l
RT: 11.567 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:146 Resp: 36535

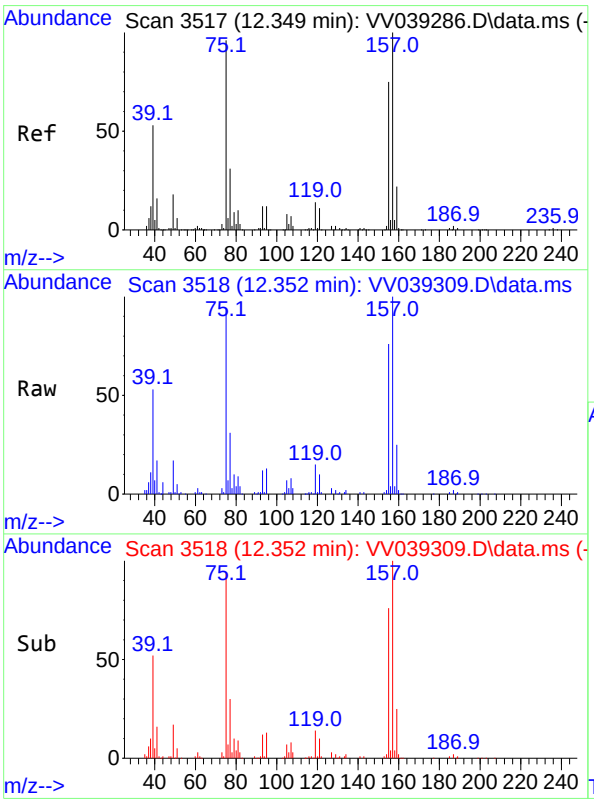
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.2	31.9	95.7



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
APPROVED

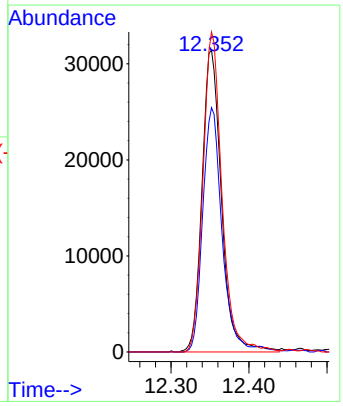
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

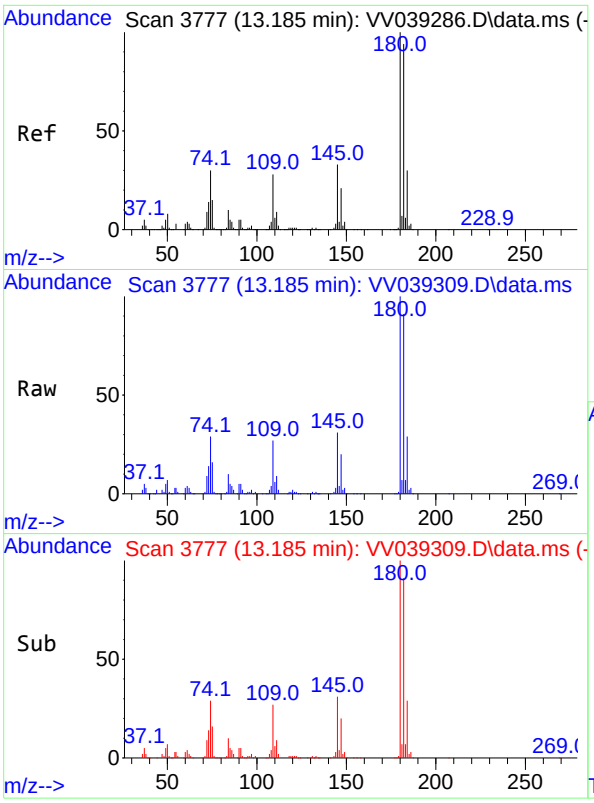


#92
1,2-Dibromo-3-Chloropropane
Concen: 14.944 ug/l
RT: 12.352 min Scan# 3518
Delta R.T. 0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion: 75 Resp: 54508

Ion	Ratio	Lower	Upper
75	100		
155	79.5	40.8	122.5
157	103.1	53.3	160.0





#93
1,2,4-Trichlorobenzene
Concen: 17.860 ug/l
RT: 13.185 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

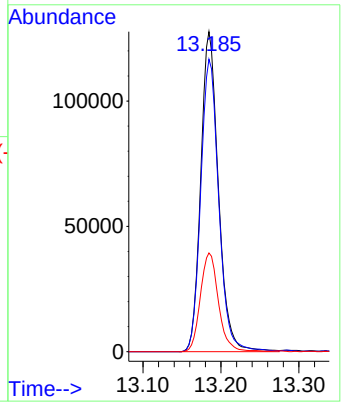
Tgt Ion:180 Resp: 20069

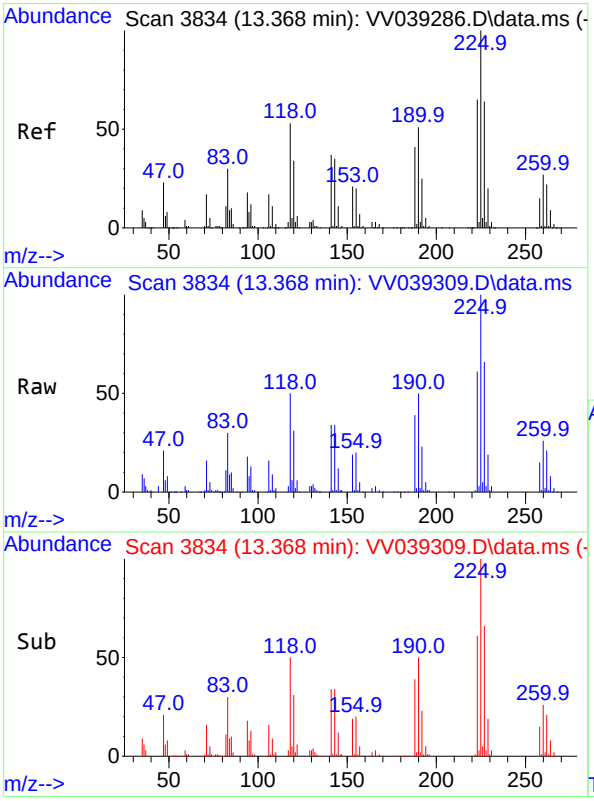
Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	141.9
145	31.7	16.3	48.9

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

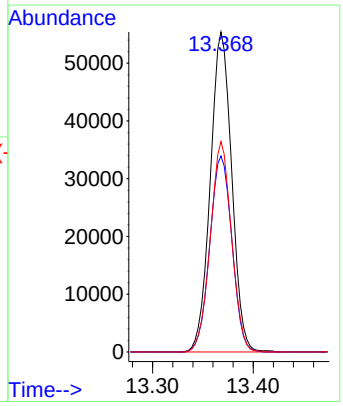


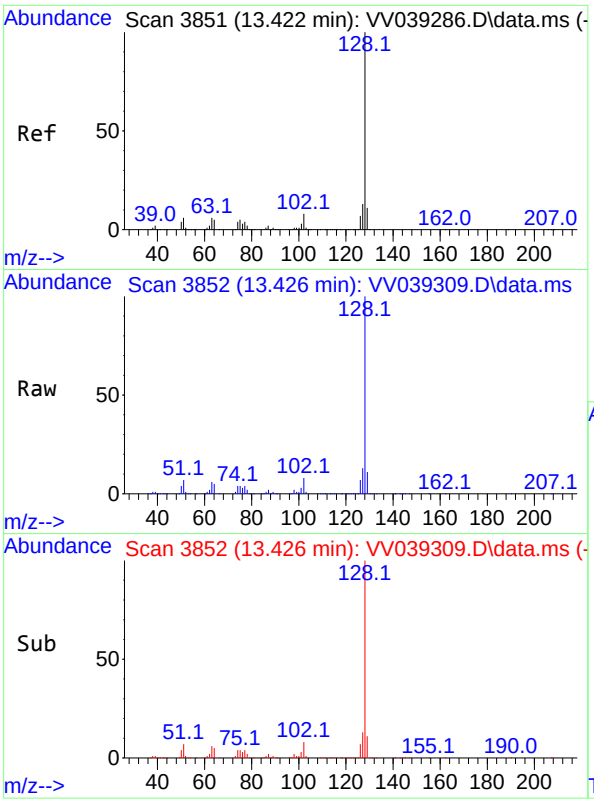


#94
Hexachlorobutadiene
Concen: 14.400 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:225 Resp: 81939

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	65.1	31.7	95.1

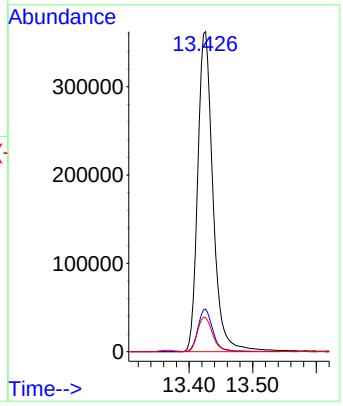




#95
Naphthalene
Concen: 16.378 ug/l
RT: 13.426 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:128 Resp: 60298

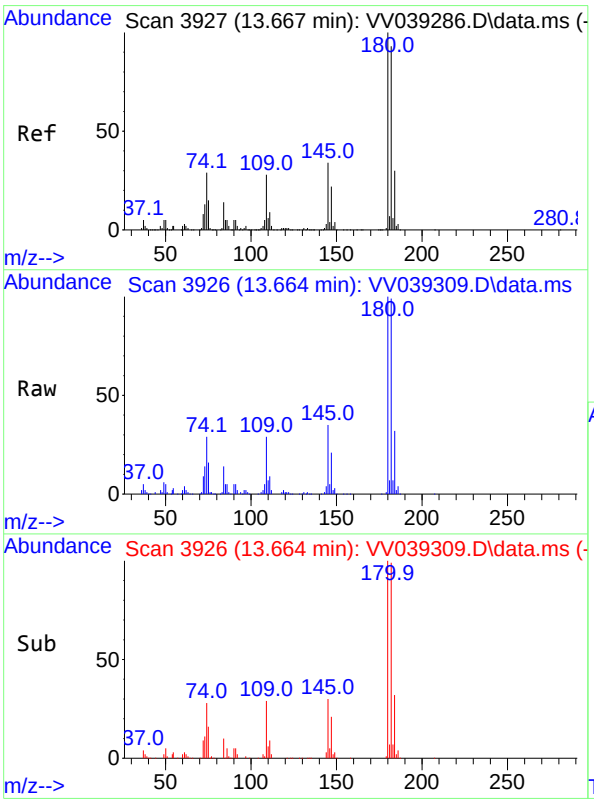
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.6	12.8



Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
APPROVED

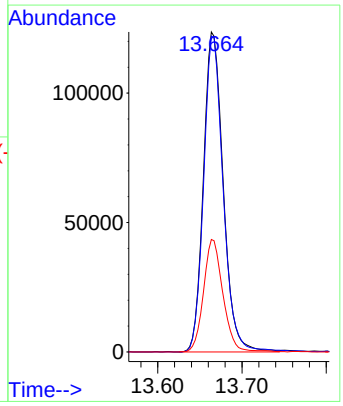
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.331 ug/l
RT: 13.664 min Scan# 3926
Delta R.T. -0.003 min
Lab File: VV039309.D
Acq: 04 Nov 2025 12:49

Tgt Ion:180 Resp: 202409

Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.7	140.1
145	34.6	17.2	51.5



Raw Data: **VY023561.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	Q3434
Lab Sample ID:	VY1024SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	18.6		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
74-87-3	Chloromethane	17.3		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
75-01-4	Vinyl Chloride	18.0		1	0.79	5.00	ug/Kg	10/24/25 09:52	VY102425
74-83-9	Bromomethane	20.6		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
75-00-3	Chloroethane	18.5		1	1.30	5.00	ug/Kg	10/24/25 09:52	VY102425
75-69-4	Trichlorofluoromethane	19.0		1	1.20	5.00	ug/Kg	10/24/25 09:52	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
75-35-4	1,1-Dichloroethene	19.8		1	1.00	5.00	ug/Kg	10/24/25 09:52	VY102425
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/24/25 09:52	VY102425
75-15-0	Carbon Disulfide	18.4		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
1634-04-4	Methyl tert-butyl Ether	20.0		1	0.73	5.00	ug/Kg	10/24/25 09:52	VY102425
79-20-9	Methyl Acetate	17.2		1	1.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-09-2	Methylene Chloride	18.5		1	3.50	10.0	ug/Kg	10/24/25 09:52	VY102425
156-60-5	trans-1,2-Dichloroethene	20.1		1	0.86	5.00	ug/Kg	10/24/25 09:52	VY102425
75-34-3	1,1-Dichloroethane	19.8		1	0.80	5.00	ug/Kg	10/24/25 09:52	VY102425
110-82-7	Cyclohexane	18.3		1	0.79	5.00	ug/Kg	10/24/25 09:52	VY102425
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/24/25 09:52	VY102425
56-23-5	Carbon Tetrachloride	20.6		1	0.97	5.00	ug/Kg	10/24/25 09:52	VY102425
156-59-2	cis-1,2-Dichloroethene	20.9		1	0.75	5.00	ug/Kg	10/24/25 09:52	VY102425
74-97-5	Bromochloromethane	18.9		1	1.20	5.00	ug/Kg	10/24/25 09:52	VY102425
67-66-3	Chloroform	20.4		1	0.84	5.00	ug/Kg	10/24/25 09:52	VY102425
71-55-6	1,1,1-Trichloroethane	20.5		1	0.93	5.00	ug/Kg	10/24/25 09:52	VY102425
108-87-2	Methylcyclohexane	20.0		1	0.91	5.00	ug/Kg	10/24/25 09:52	VY102425
71-43-2	Benzene	20.7		1	0.79	5.00	ug/Kg	10/24/25 09:52	VY102425
107-06-2	1,2-Dichloroethane	19.6		1	0.79	5.00	ug/Kg	10/24/25 09:52	VY102425
79-01-6	Trichloroethene	21.4		1	0.81	5.00	ug/Kg	10/24/25 09:52	VY102425
78-87-5	1,2-Dichloropropane	20.3		1	0.91	5.00	ug/Kg	10/24/25 09:52	VY102425
75-27-4	Bromodichloromethane	20.8		1	0.78	5.00	ug/Kg	10/24/25 09:52	VY102425
108-10-1	4-Methyl-2-Pentanone	96.4		1	3.60	25.0	ug/Kg	10/24/25 09:52	VY102425
108-88-3	Toluene	21.3		1	0.78	5.00	ug/Kg	10/24/25 09:52	VY102425
10061-02-6	t-1,3-Dichloropropene	20.3		1	0.65	5.00	ug/Kg	10/24/25 09:52	VY102425
10061-01-5	cis-1,3-Dichloropropene	20.6		1	0.62	5.00	ug/Kg	10/24/25 09:52	VY102425
79-00-5	1,1,2-Trichloroethane	21.6		1	0.92	5.00	ug/Kg	10/24/25 09:52	VY102425
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/24/25 09:52	VY102425
124-48-1	Dibromochloromethane	21.3		1	0.87	5.00	ug/Kg	10/24/25 09:52	VY102425
106-93-4	1,2-Dibromoethane	21.4		1	0.88	5.00	ug/Kg	10/24/25 09:52	VY102425
127-18-4	Tetrachloroethene	20.6		1	1.10	5.00	ug/Kg	10/24/25 09:52	VY102425
108-90-7	Chlorobenzene	20.9		1	0.91	5.00	ug/Kg	10/24/25 09:52	VY102425
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	10/24/25 09:52	VY102425
179601-23-1	m/p-Xylenes	42.3		1	1.20	10.0	ug/Kg	10/24/25 09:52	VY102425
95-47-6	o-Xylene	21.1		1	0.82	5.00	ug/Kg	10/24/25 09:52	VY102425
100-42-5	Styrene	20.9		1	0.71	5.00	ug/Kg	10/24/25 09:52	VY102425
75-25-2	Bromoform	20.9		1	0.86	5.00	ug/Kg	10/24/25 09:52	VY102425

Raw Data: **VY023561.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	Q3434
Lab Sample ID:	VY1024SBS01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.6		1	0.78	5.00	ug/Kg	10/24/25 09:52	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	20.3		1	1.20	5.00	ug/Kg	10/24/25 09:52	VY102425
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	5.00	ug/Kg	10/24/25 09:52	VY102425
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	5.00	ug/Kg	10/24/25 09:52	VY102425
95-50-1	1,2-Dichlorobenzene	20.4		1	1.50	5.00	ug/Kg	10/24/25 09:52	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1	1.80	5.00	ug/Kg	10/24/25 09:52	VY102425
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	5.00	ug/Kg	10/24/25 09:52	VY102425
87-61-6	1,2,3-Trichlorobenzene	19.6		1	3.20	5.00	ug/Kg	10/24/25 09:52	VY102425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	44.2			63 - 155	88%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.5			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	48.4			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.3			17 - 146	99%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	552000							
540-36-3	1,4-Difluorobenzene	799000							
3114-55-4	Chlorobenzene-d5	710000							
3855-82-1	1,4-Dichlorobenzene-d4	381000							

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_Y\Data\VY102425\
Data File : VY023561.D
Acq On : 24 Oct 2025 09:52
Operator : SY/MD
Sample : VY1024SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 23:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	551537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	799010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	709717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	380713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	203935	44.218	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.440%			
35) Dibromofluoromethane	7.634	113	243016	49.499	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.000%			
50) Toluene-d8	10.109	98	884395	48.371	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.407	95	297693	49.317	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	73940	18.625	ug/l	99
3) Chloromethane	2.074	50	93760	17.337	ug/l	97
4) Vinyl Chloride	2.208	62	126898	18.015	ug/l	100
5) Bromomethane	2.592	94	121542	20.561	ug/l	100
6) Chloroethane	2.732	64	88904	18.516	ug/l	99
7) Trichlorofluoromethane	3.055	101	186017	19.019	ug/l	99
8) Diethyl Ether	3.458	74	50315	19.688	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	101494	19.998	ug/l	97
10) Methyl Iodide	4.006	142	106029	18.766	ug/l	97
11) Tert butyl alcohol	4.848	59	31189	90.901	ug/l	97
12) 1,1-Dichloroethene	3.787	96	97421	19.802	ug/l	97
13) Acrolein	3.659	56	23585	48.647	ug/l	98
14) Allyl chloride	4.384	41	109431	18.251	ug/l	97
15) Acrylonitrile	5.061	53	93885	95.993	ug/l	98
16) Acetone	3.866	43	140610	128.062	ug/l	99
17) Carbon Disulfide	4.104	76	258594	18.365	ug/l	99
18) Methyl Acetate	4.390	43	49637	17.234	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	236371	19.990	ug/l	96
20) Methylene Chloride	4.616	84	109899	18.510	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	108914	20.107	ug/l	97
22) Diisopropyl ether	6.024	45	256039	19.305	ug/l	96
23) Vinyl Acetate	5.963	43	676295	94.207	ug/l	97
24) 1,1-Dichloroethane	5.921	63	174246	19.834	ug/l	98
25) 2-Butanone	6.896	43	151403	112.949	ug/l	100
26) 2,2-Dichloropropane	6.890	77	163903	20.332	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	130666	20.884	ug/l	95
28) Bromochloromethane	7.250	49	61891	18.871	ug/l	90
29) Tetrahydrofuran	7.268	42	69086	90.887	ug/l	93
30) Chloroform	7.420	83	197077	20.417	ug/l	99
31) Cyclohexane	7.701	56	140190	18.272	ug/l	98
32) 1,1,1-Trichloroethane	7.615	97	179638	20.479	ug/l	98
36) 1,1-Dichloropropene	7.841	75	130575	20.089	ug/l	99
37) Ethyl Acetate	6.987	43	49292	19.142	ug/l	97
38) Carbon Tetrachloride	7.823	117	162485	20.617	ug/l	99
39) Methylcyclohexane	9.109	83	169117	19.984	ug/l	99
40) Benzene	8.079	78	426341	20.712	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023561.D
Acq On : 24 Oct 2025 09:52
Operator : SY/MD
Sample : VY1024SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 23:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	26399m	18.956	ug/l		
42) 1,2-Dichloroethane	8.158	62	104042	19.599	ug/l		97
43) Isopropyl Acetate	8.201	43	95722	18.643	ug/l		95
44) Trichloroethene	8.865	130	128825	21.383	ug/l		95
45) 1,2-Dichloropropane	9.146	63	92312	20.304	ug/l		100
46) Dibromomethane	9.231	93	59886	20.831	ug/l		96
47) Bromodichloromethane	9.426	83	150883	20.839	ug/l		99
48) Methyl methacrylate	9.225	41	43337	17.966	ug/l		89
49) 1,4-Dioxane	9.231	88	12987	389.621	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	255637	96.362	ug/l		96
52) Toluene	10.170	92	284413	21.281	ug/l		99
53) t-1,3-Dichloropropene	10.395	75	127577	20.264	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	153131	20.608	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	83454	21.587	ug/l		97
56) Ethyl methacrylate	10.438	69	88085	19.752	ug/l		94
57) 1,3-Dichloropropane	10.718	76	126908	20.716	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	198103	99.163	ug/l		97
59) 2-Hexanone	10.761	43	211229	111.416	ug/l		96
60) Dibromochloromethane	10.914	129	115677	21.342	ug/l		100
61) 1,2-Dibromoethane	11.017	107	78817	21.377	ug/l		99
64) Tetrachloroethene	10.645	164	151245	20.639	ug/l		97
65) Chlorobenzene	11.444	112	322004	20.861	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	116589	21.195	ug/l		99
67) Ethyl Benzene	11.517	91	512753	20.521	ug/l		99
68) m/p-Xylenes	11.627	106	423494	42.257	ug/l		99
69) o-Xylene	11.956	106	198083	21.072	ug/l		97
70) Styrene	11.968	104	323830	20.949	ug/l		99
71) Bromoform	12.133	173	71371	20.917	ug/l	#	99
73) Isopropylbenzene	12.255	105	516359	20.581	ug/l		100
74) N-amyl acetate	12.072	43	79625	17.669	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	83375	20.318	ug/l		99
76) 1,2,3-Trichloropropane	12.553	75	61116m	18.195	ug/l		
77) Bromobenzene	12.529	156	137052	20.547	ug/l		98
78) n-propylbenzene	12.596	91	595772	20.520	ug/l		99
79) 2-Chlorotoluene	12.675	91	344916	20.287	ug/l		98
80) 1,3,5-Trimethylbenzene	12.736	105	419394	20.686	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	26936	19.665	ug/l		96
82) 4-Chlorotoluene	12.773	91	358669	20.484	ug/l		99
83) tert-Butylbenzene	12.999	119	392010	20.942	ug/l		98
84) 1,2,4-Trimethylbenzene	13.041	105	420704	20.792	ug/l		99
85) sec-Butylbenzene	13.175	105	560392	20.869	ug/l		100
86) p-Isopropyltoluene	13.291	119	476750	20.853	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	264896	20.394	ug/l		100
88) 1,4-Dichlorobenzene	13.364	146	264053	20.584	ug/l		100
89) n-Butylbenzene	13.614	91	401494	20.154	ug/l		99
90) Hexachloroethane	13.876	117	99943	20.324	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	232521	20.419	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12890	19.144	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	141537	19.937	ug/l		100
94) Hexachlorobutadiene	15.023	225	90220	20.387	ug/l		100
95) Naphthalene	15.144	128	210092	18.584	ug/l		99
96) 1,2,3-Trichlorobenzene	15.327	180	120577	19.609	ug/l		100

Sample Results: **VY023561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023561.D
Acq On : 24 Oct 2025 09:52
Operator : SY/MD
Sample : VY1024SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 23:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023561.D
Acq On : 24 Oct 2025 09:52
Operator : SY/MD
Sample : VY1024SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 23:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
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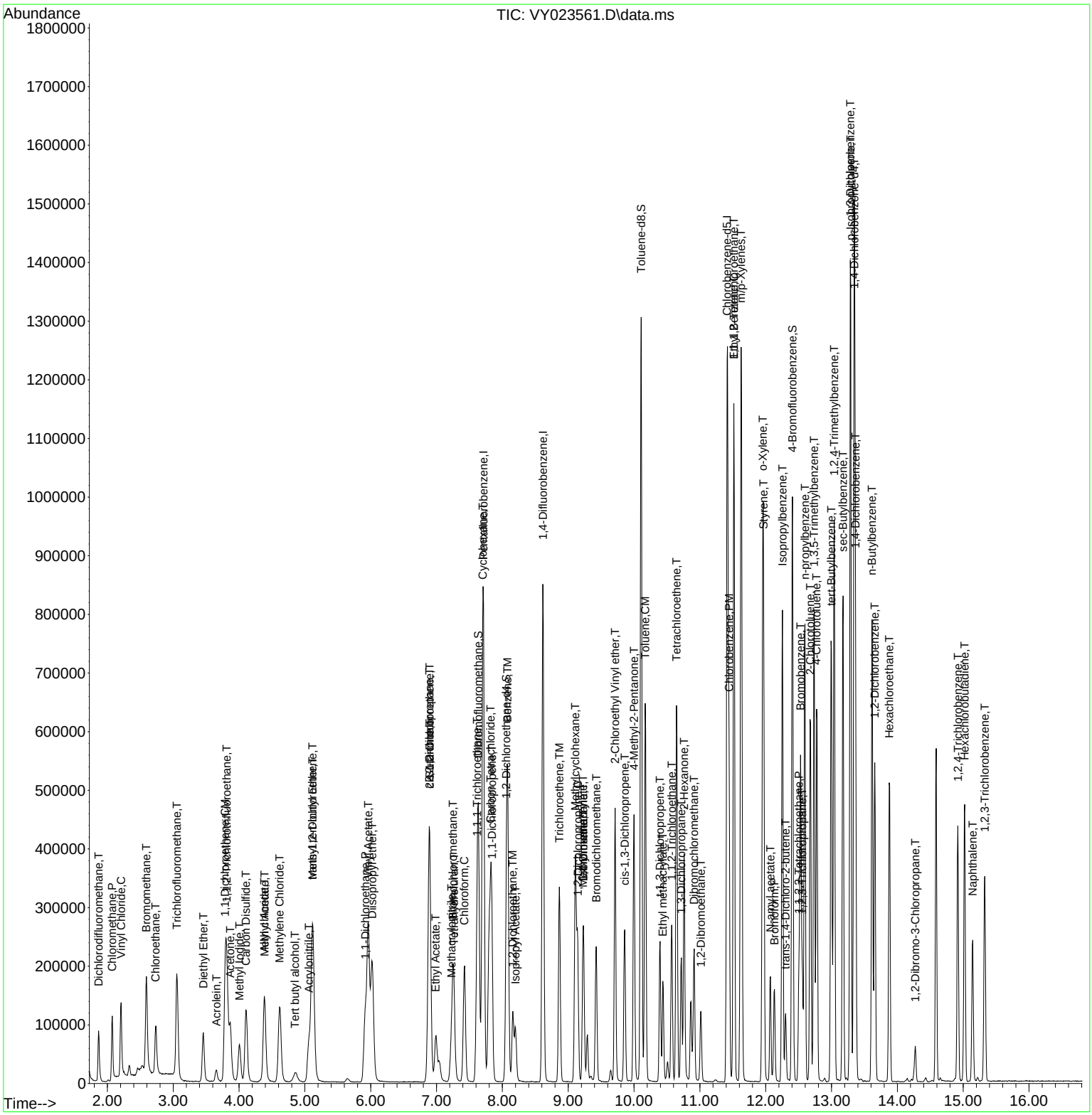
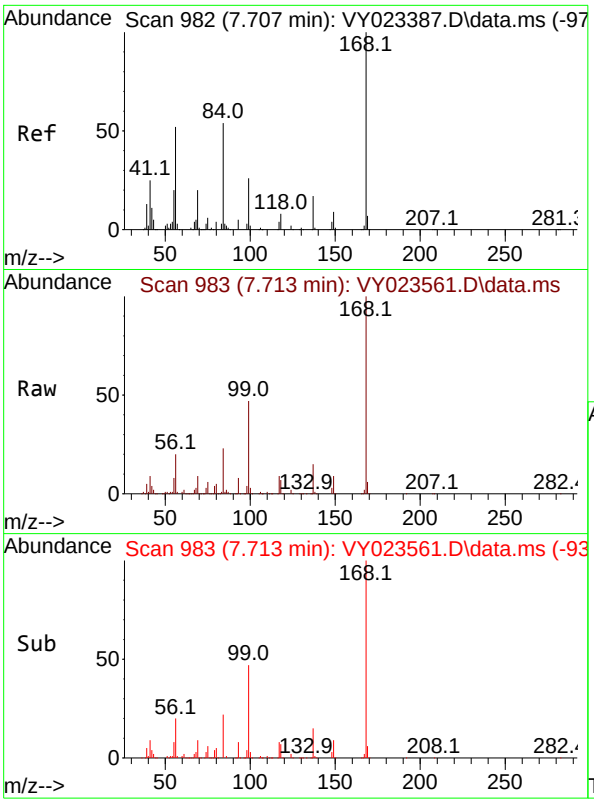
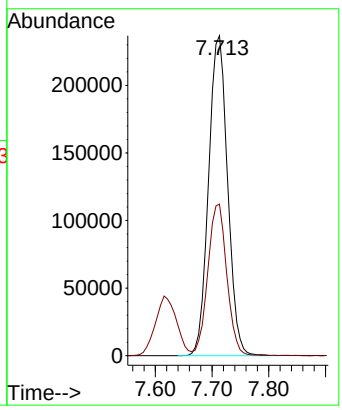




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:168 Resp: 55153

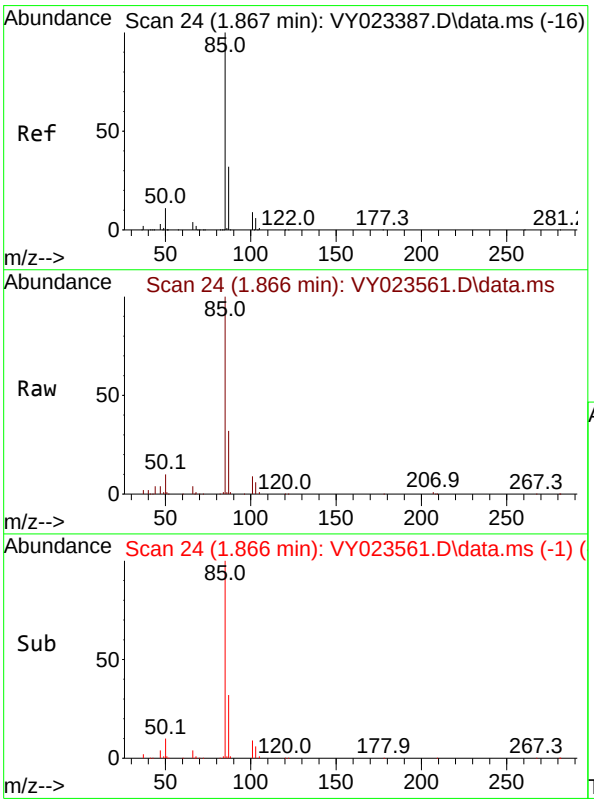
Ion	Ratio	Lower	Upper
168	100		
99	47.3	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

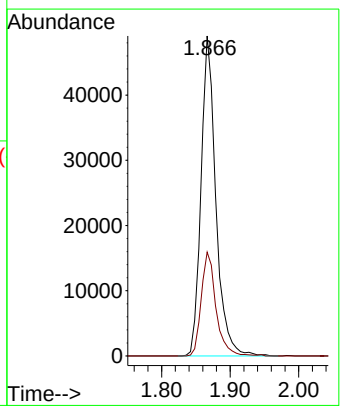
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

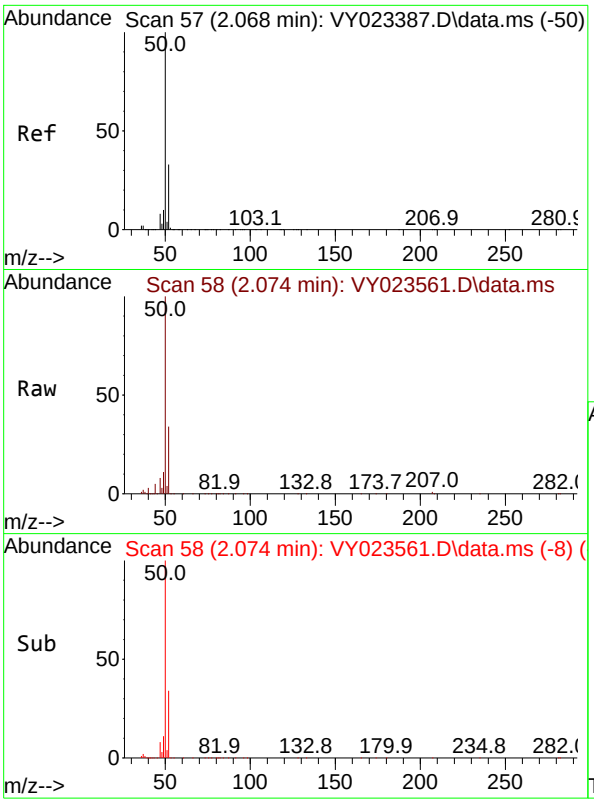


#2
Dichlorodifluoromethane
Concen: 18.625 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 85 Resp: 73940

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.0	47.9

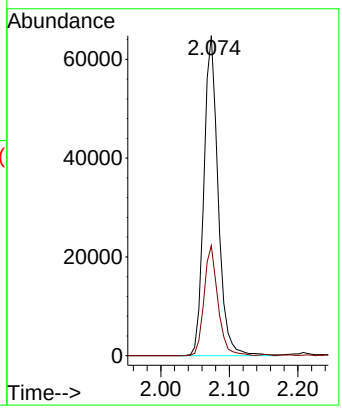




#3
Chloromethane
Concen: 17.337 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 50 Resp: 9376

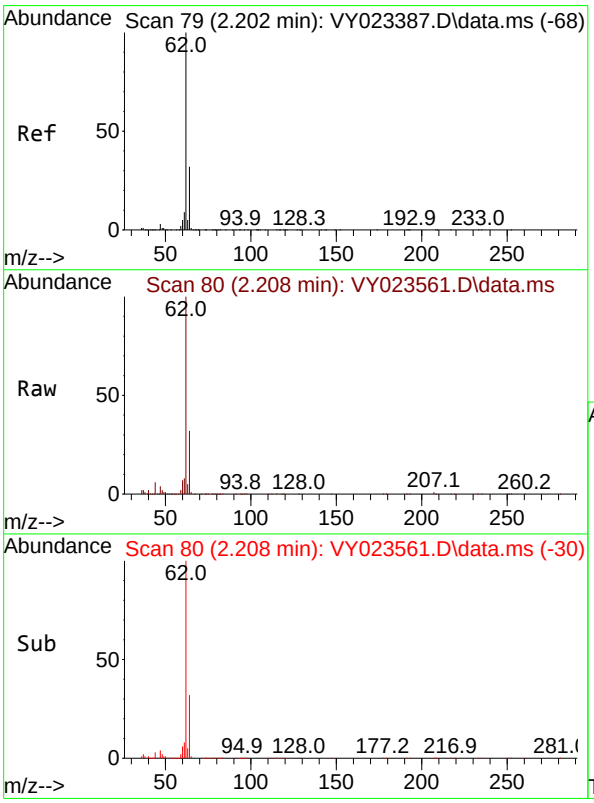
Ion	Ratio	Lower	Upper
50	100		
52	34.4	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

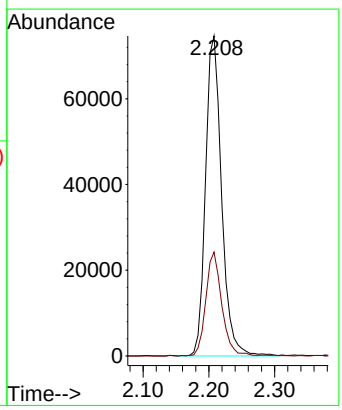
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

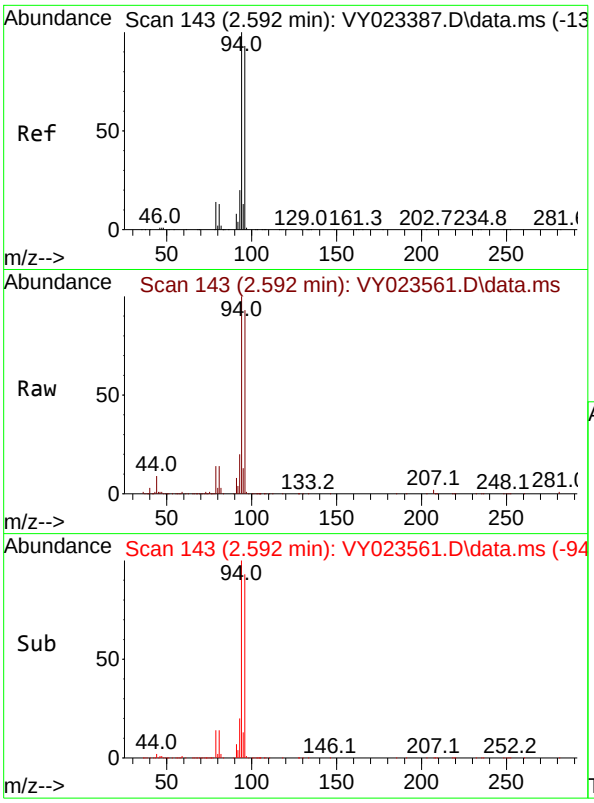


#4
Vinyl Chloride
Concen: 18.015 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 62 Resp: 126898

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.8	38.8





#5
Bromomethane
Concen: 20.561 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

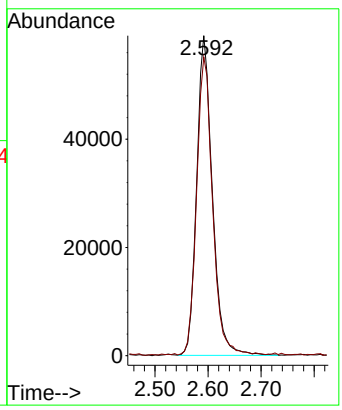
Tgt Ion: 94 Resp: 12154

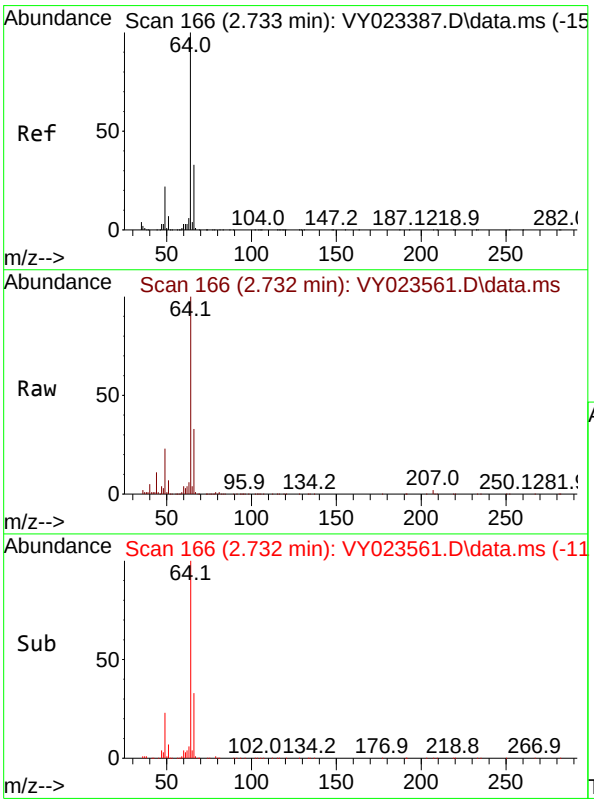
Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.5	111.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

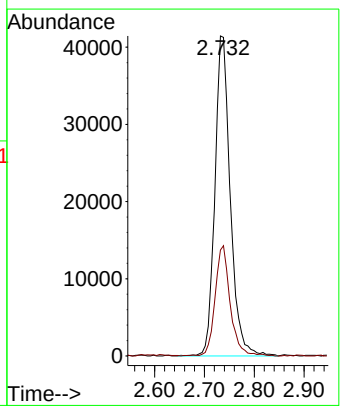


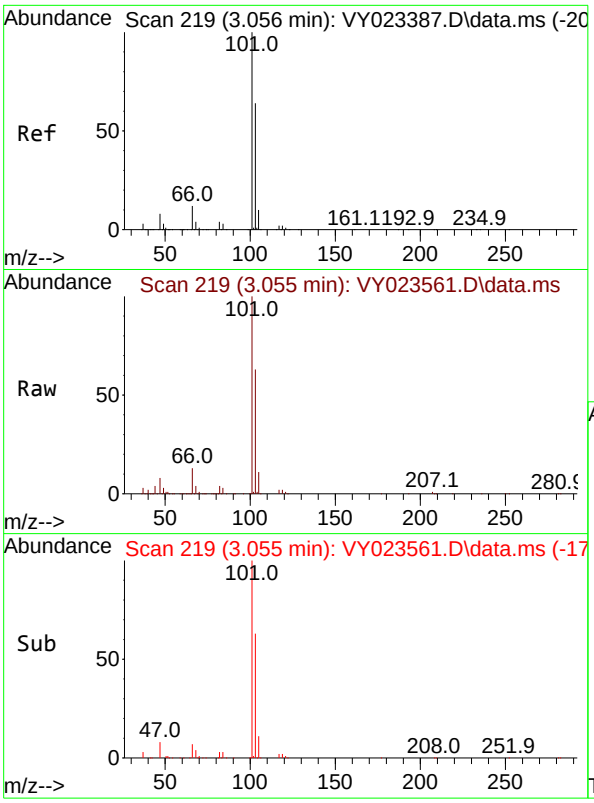


#6
Chloroethane
Concen: 18.516 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 64 Resp: 88904

Ion	Ratio	Lower	Upper
64	100		
66	33.1	26.2	39.4





#7
Trichlorofluoromethane
Concen: 19.019 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

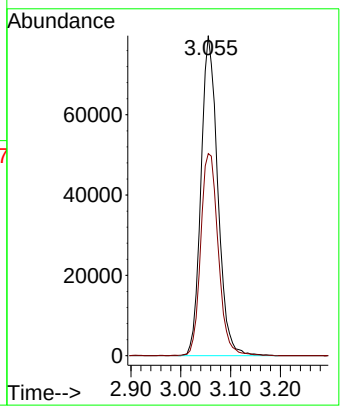
Tgt Ion:101 Resp: 18601

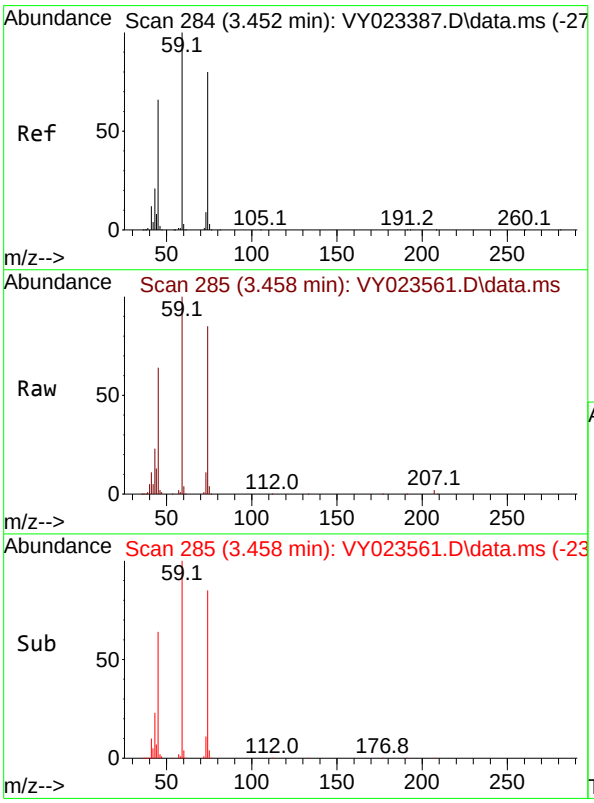
Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

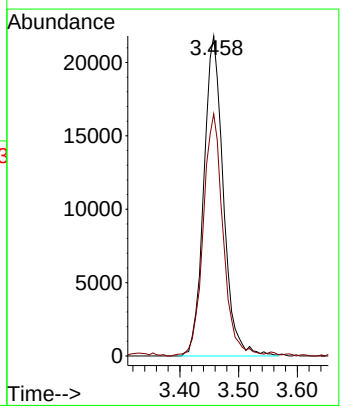


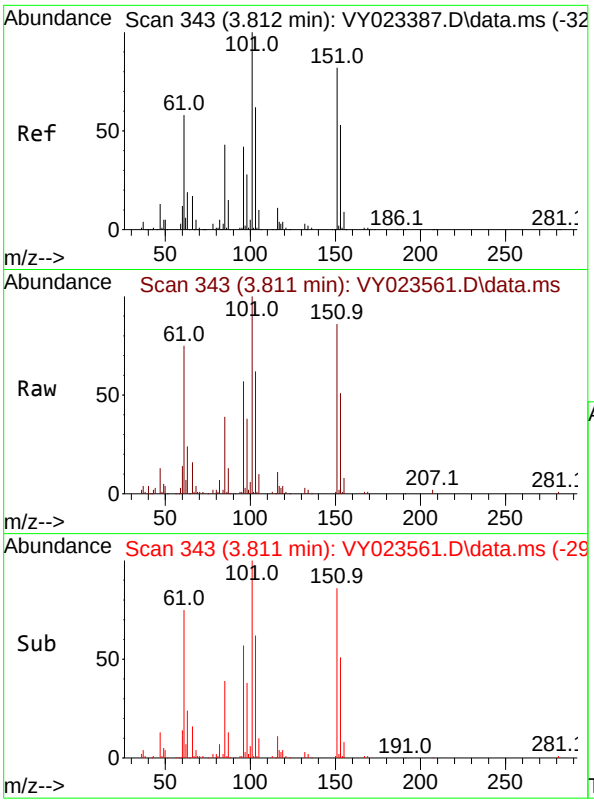


#8
Diethyl Ether
Concen: 19.688 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 74 Resp: 50315

Ion	Ratio	Lower	Upper
74	100		
45	77.0	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.998 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

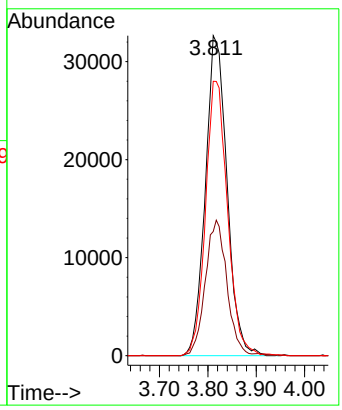
Tgt Ion:101 Resp: 10149

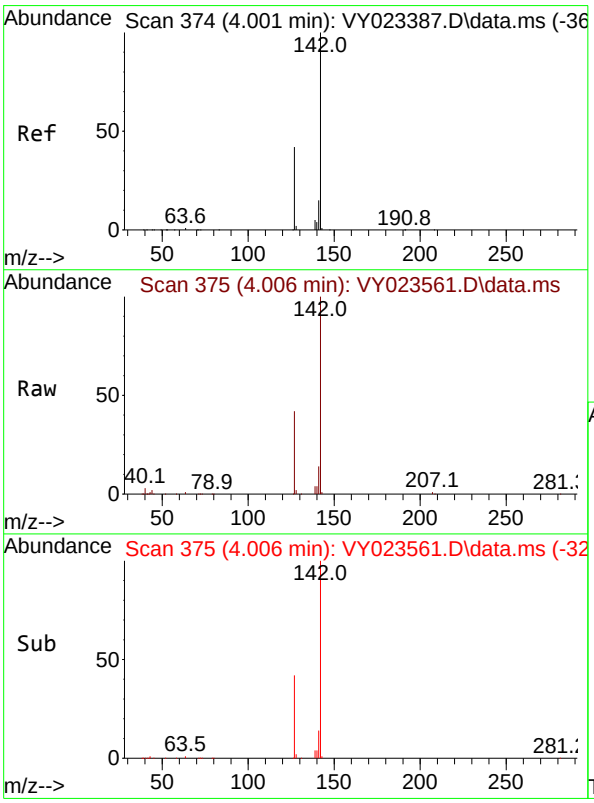
Ion	Ratio	Lower	Upper
101	100		
85	42.1	34.6	51.8
151	87.2	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

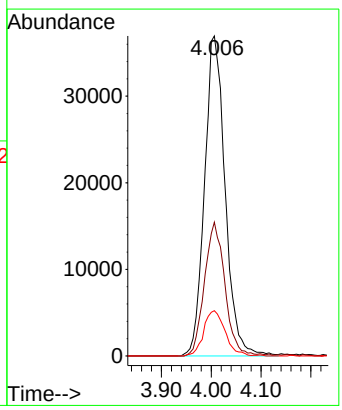


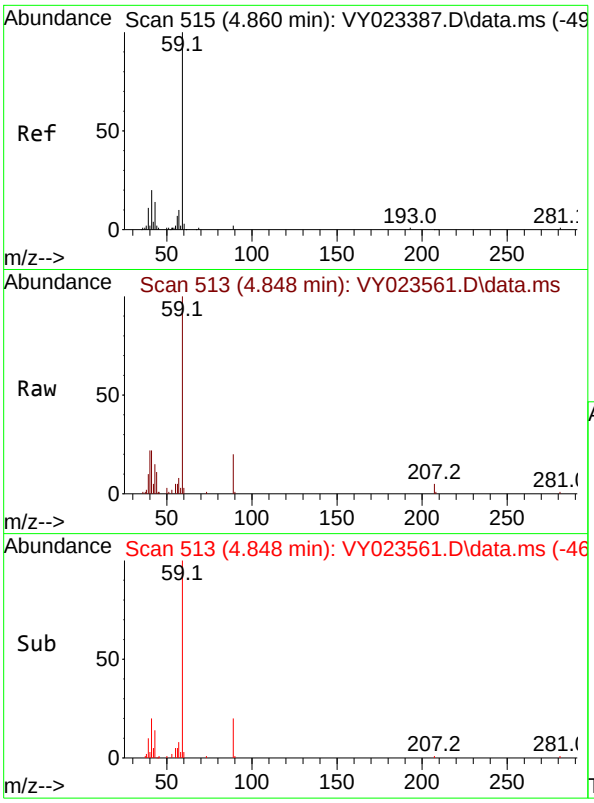


#10
Methyl Iodide
Concen: 18.766 ug/l
RT: 4.006 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:142 Resp: 106029

Ion	Ratio	Lower	Upper
142	100		
127	41.3	34.8	52.2
141	14.8	11.6	17.4

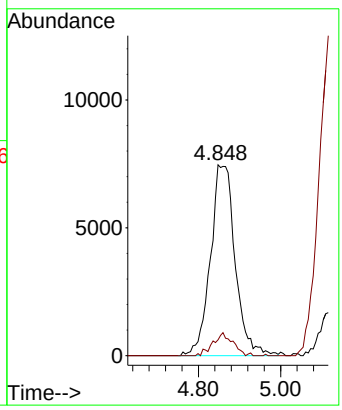




#11
Tert butyl alcohol
Concen: 90.901 ug/l
RT: 4.848 min Scan# 5
Delta R.T. -0.013 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 59 Resp: 3118

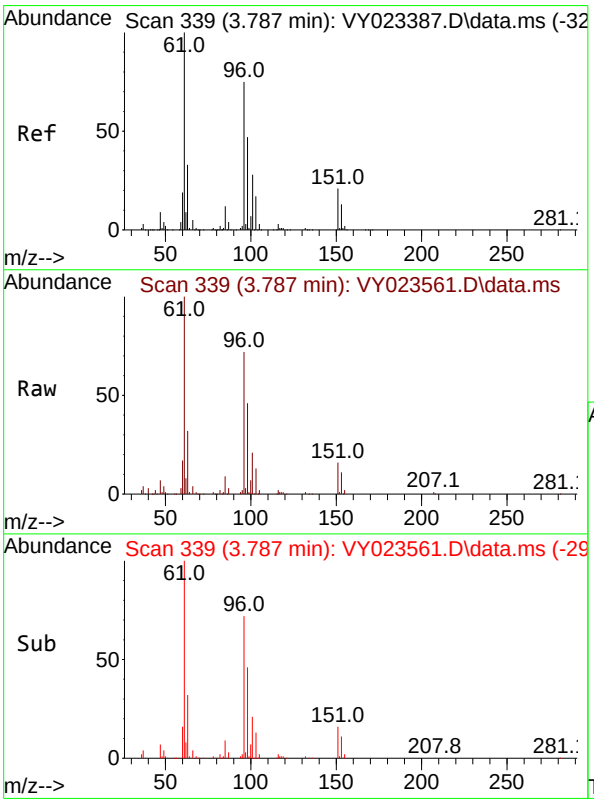
Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

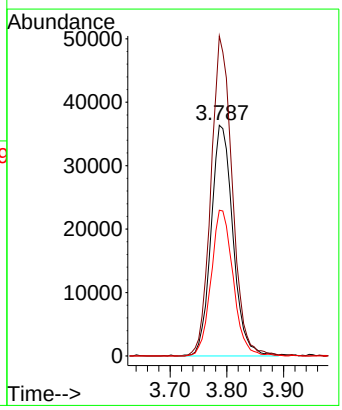
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

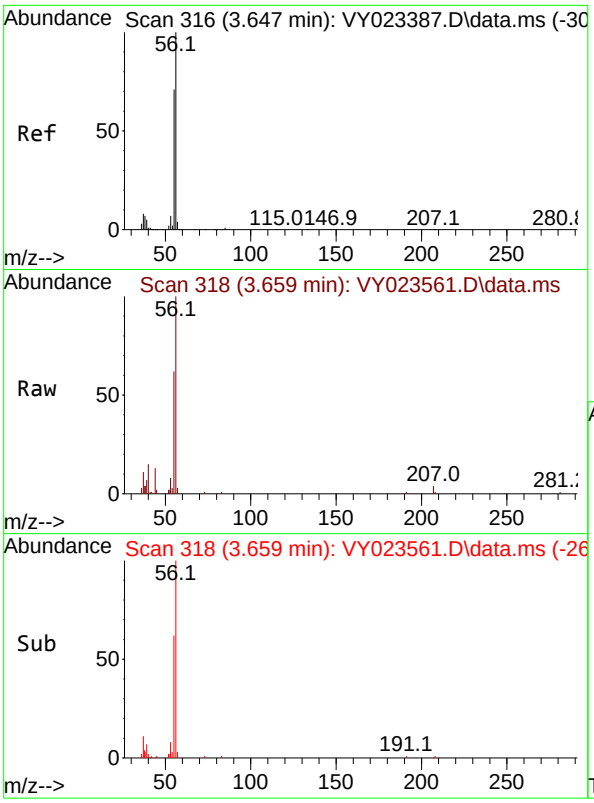


#12
1,1-Dichloroethene
Concen: 19.802 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 96 Resp: 97421

Ion	Ratio	Lower	Upper
96	100		
61	138.7	106.7	160.1
98	63.2	50.2	75.4

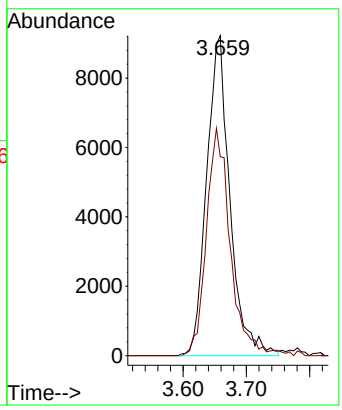




#13
Acrolein
Concen: 48.647 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 56 Resp: 2358

Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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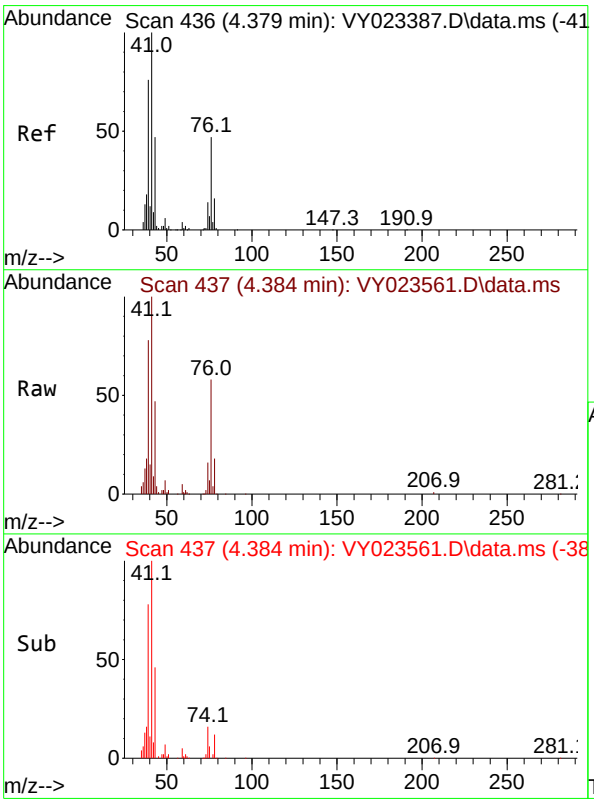
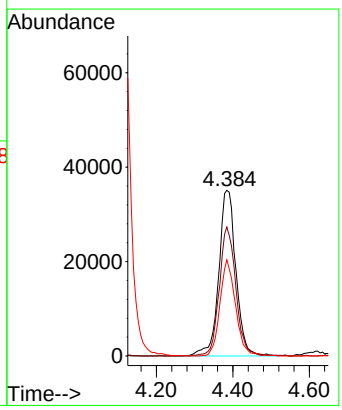
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

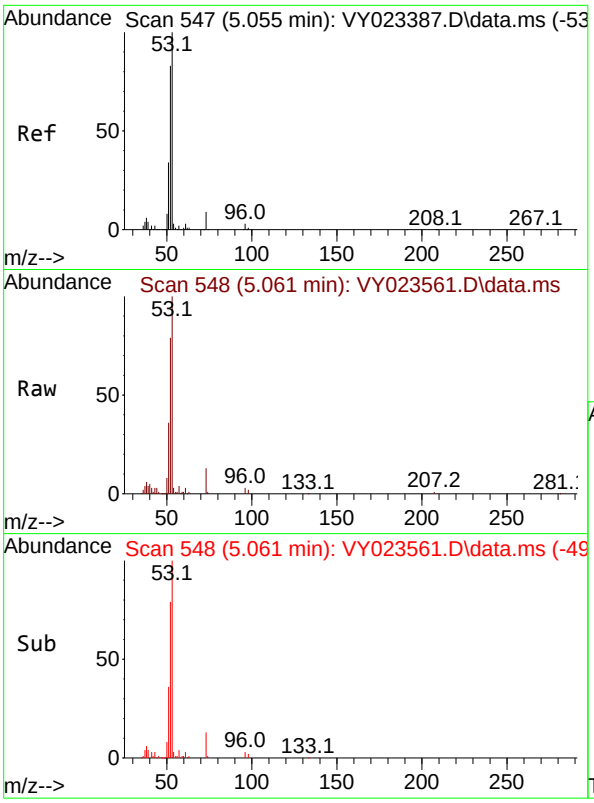


#14
Allyl chloride
Concen: 18.251 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 41 Resp: 109431

Ion	Ratio	Lower	Upper
41	100		
39	75.3	59.9	89.9
76	52.3	38.0	57.0

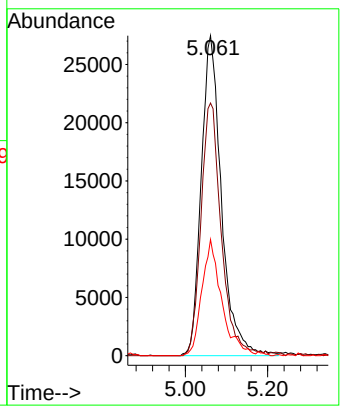




#15
Acrylonitrile
Concen: 95.993 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 53 Resp: 9388

Ion	Ratio	Lower	Upper
53	100		
52	79.3	64.6	97.0
51	35.6	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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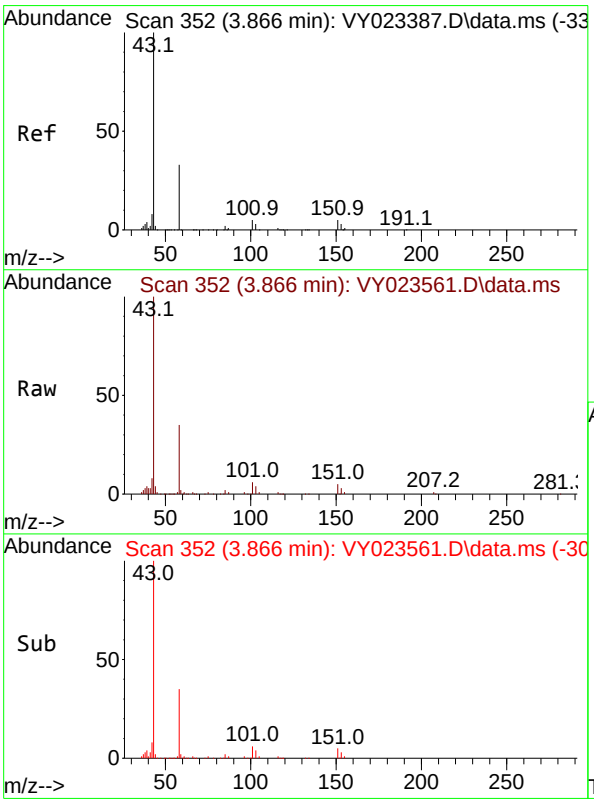
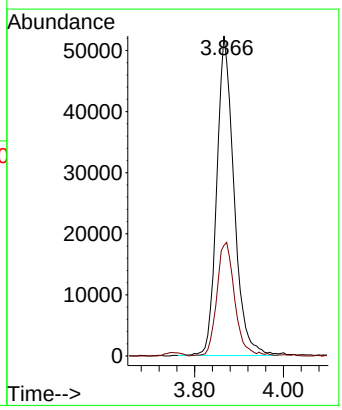
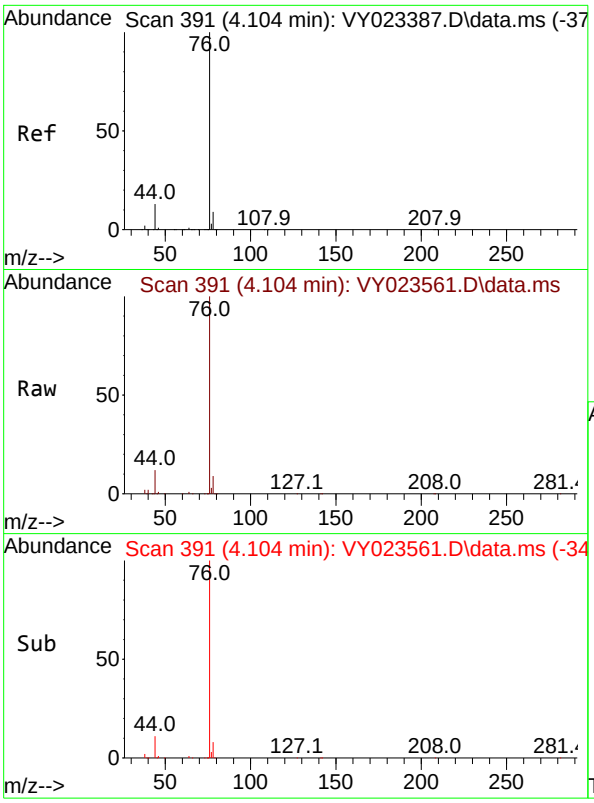


#16
Acetone
Concen: 128.062 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 43 Resp: 140610

Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.7	41.5





#17
Carbon Disulfide
Concen: 18.365 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 76 Resp: 25859

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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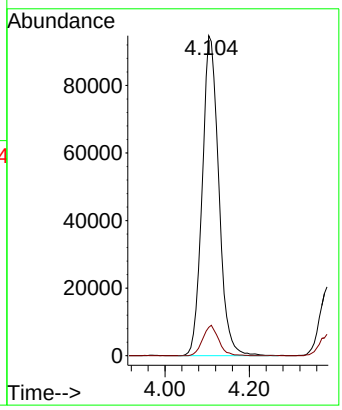
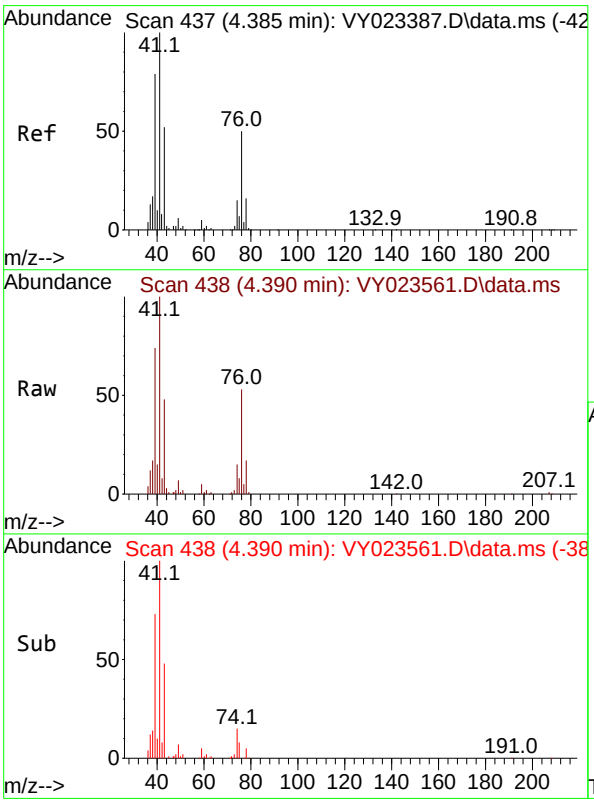
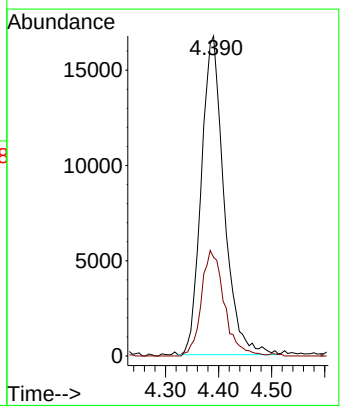


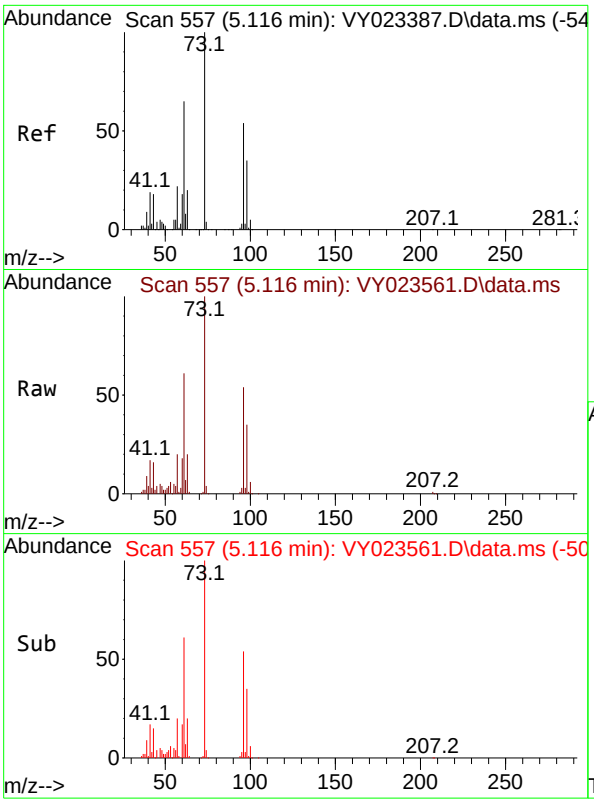


#18
Methyl Acetate
Concen: 17.234 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 43 Resp: 49637

Ion	Ratio	Lower	Upper
43	100		
74	33.4	24.2	36.4

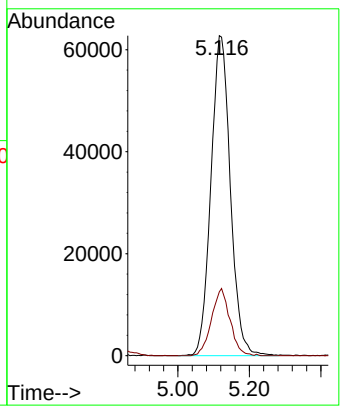




#19
Methyl tert-butyl Ether
Concen: 19.990 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 73 Resp: 23637

Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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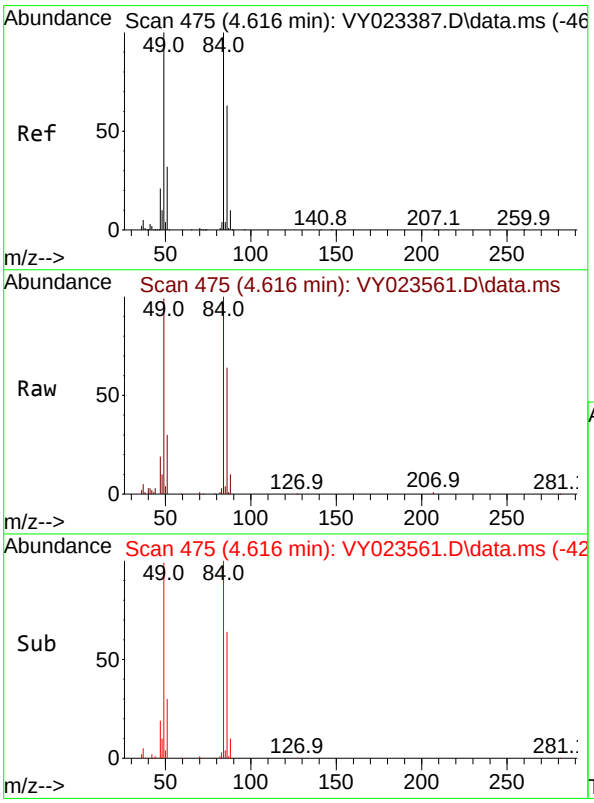
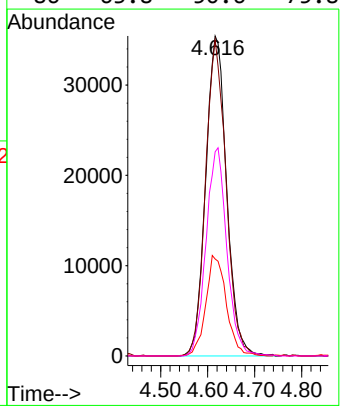
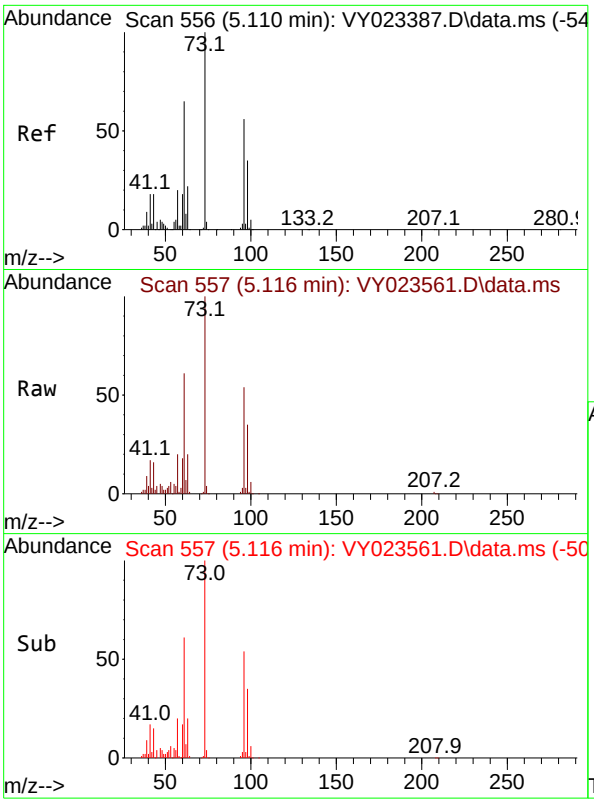


#20
Methylene Chloride
Concen: 18.510 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 84 Resp: 109899

Ion	Ratio	Lower	Upper
84	100		
49	98.7	80.2	120.4
51	30.3	25.9	38.9
86	63.8	50.6	75.8

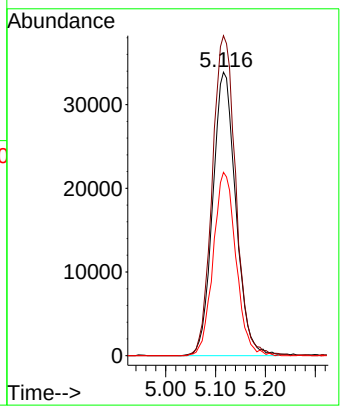




#21
trans-1,2-Dichloroethene
Concen: 20.107 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 96 Resp: 10891

Ion	Ratio	Lower	Upper
96	100		
61	112.9	92.7	139.1
98	64.7	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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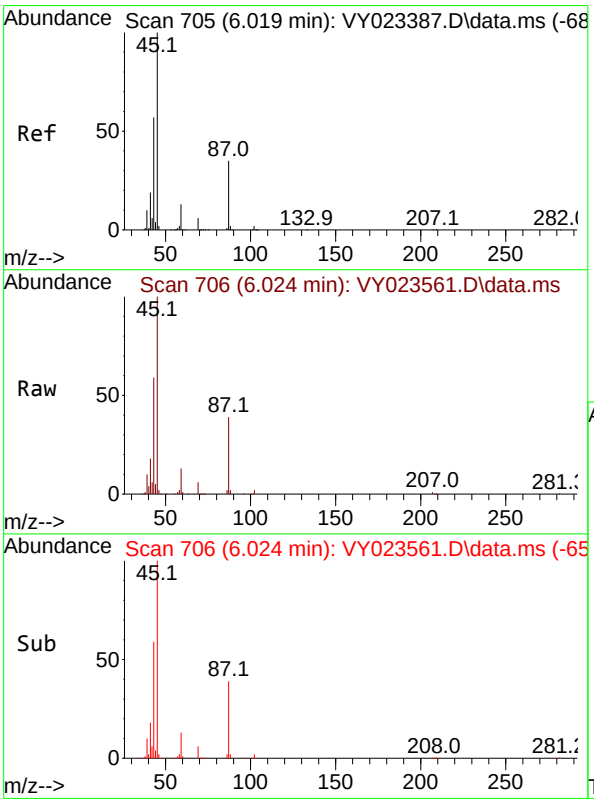
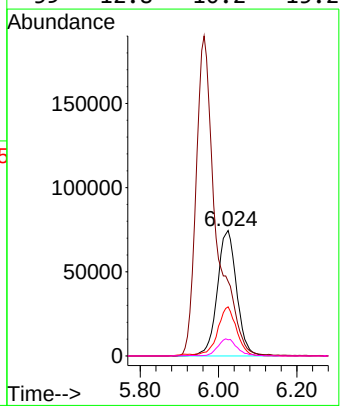
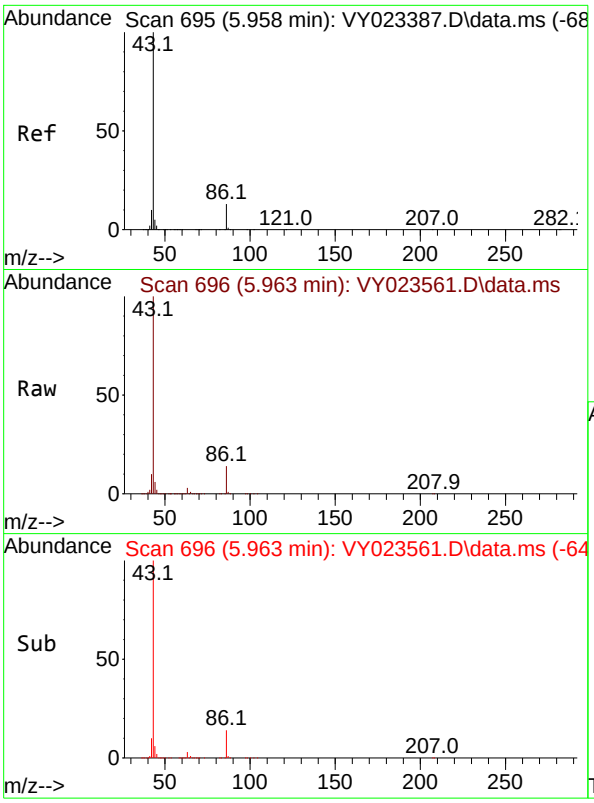


#22
Diisopropyl ether
Concen: 19.305 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 45 Resp: 256039

Ion	Ratio	Lower	Upper
45	100		
43	59.1	45.6	68.4
87	39.0	28.1	42.1
59	12.8	10.2	15.2

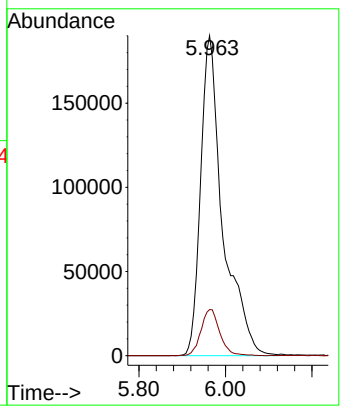




#23
Vinyl Acetate
Concen: 94.207 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 43 Resp: 67629

Ion	Ratio	Lower	Upper
43	100		
86	14.4	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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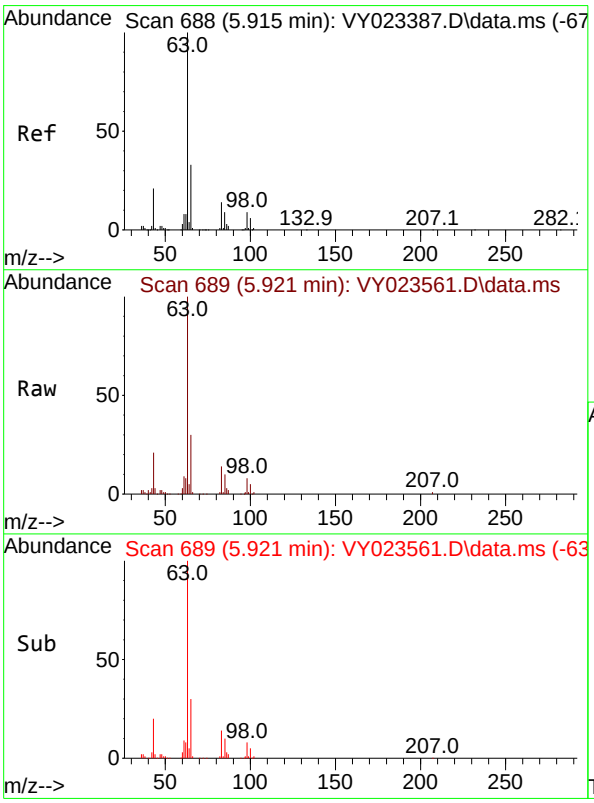
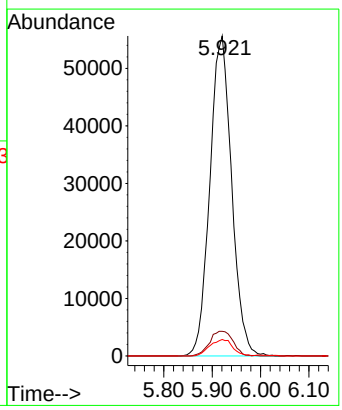
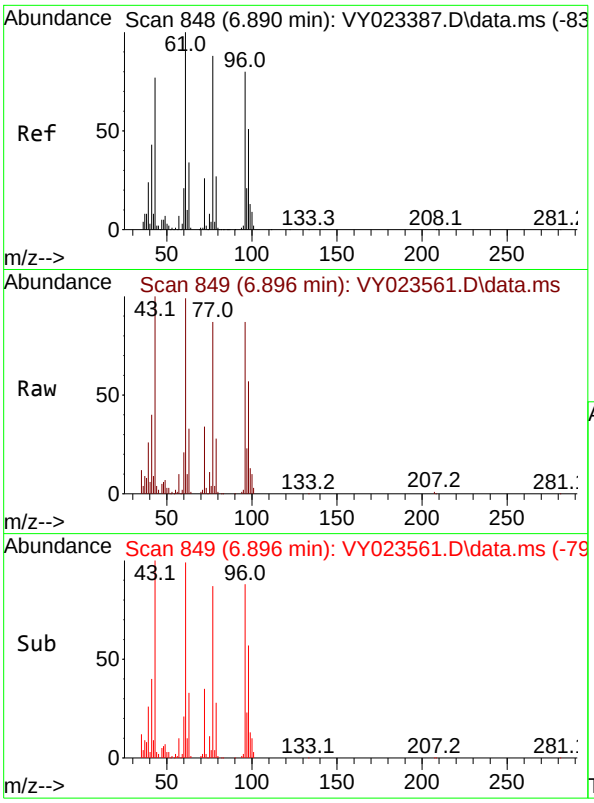


#24
1,1-Dichloroethane
Concen: 19.834 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 63 Resp: 174246

Ion	Ratio	Lower	Upper
63	100		
98	7.7	4.3	13.1
100	5.1	2.8	8.4





#25
2-Butanone
Concen: 112.949 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 43 Resp: 15140

Ion	Ratio	Lower	Upper
43	100		
72	34.5	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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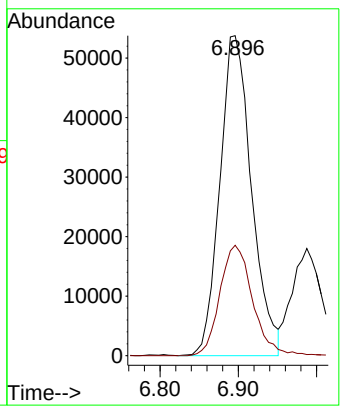
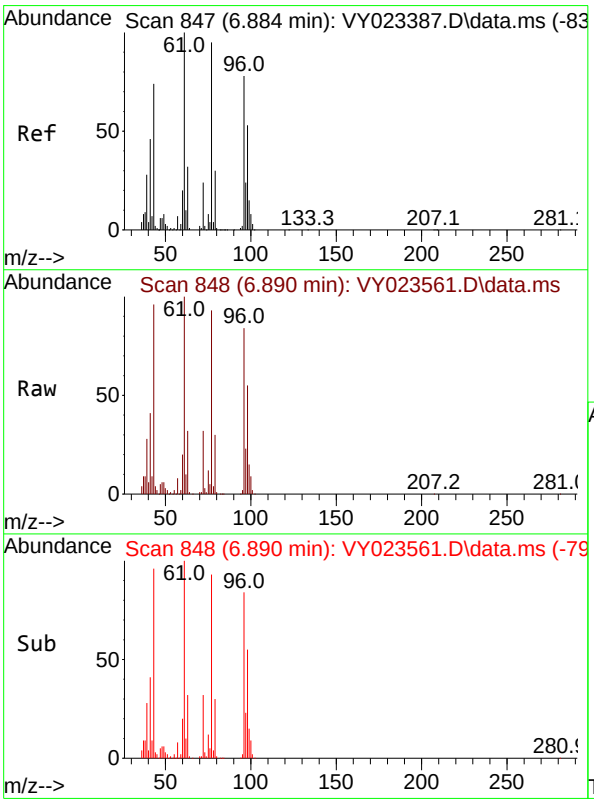
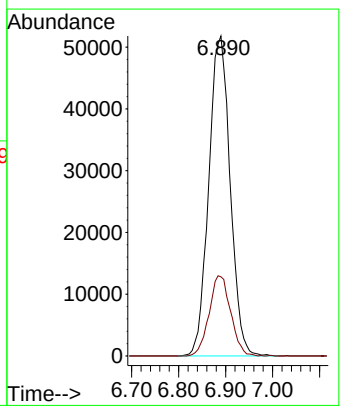


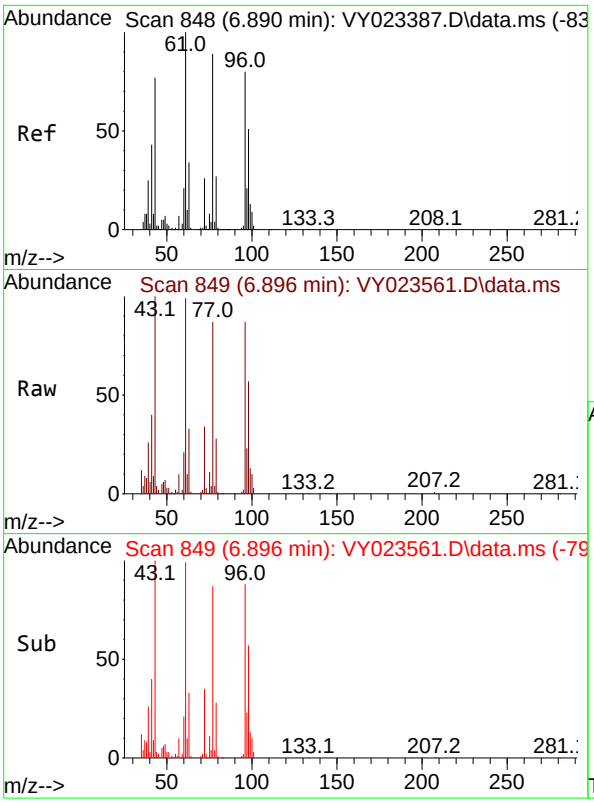


#26
2,2-Dichloropropane
Concen: 20.332 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 77 Resp: 163903

Ion	Ratio	Lower	Upper
77	100		
97	25.2	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 20.884 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 96 Resp: 13066

Ion	Ratio	Lower	Upper
96	100		
61	121.2	0.0	258.2
98	65.3	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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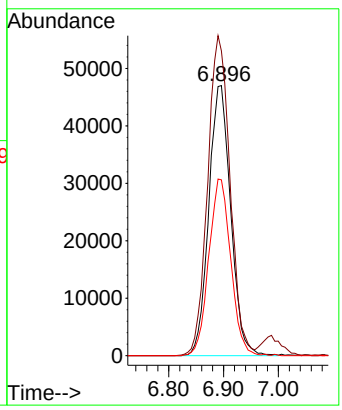
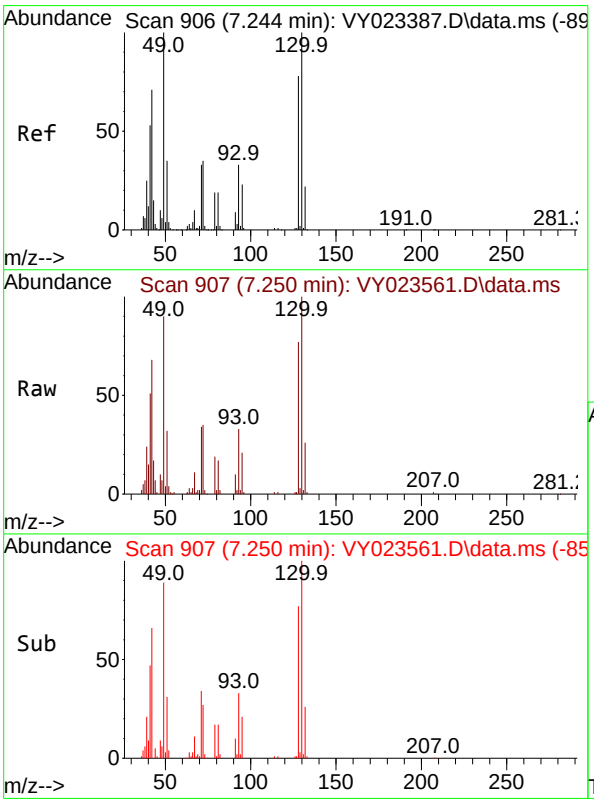
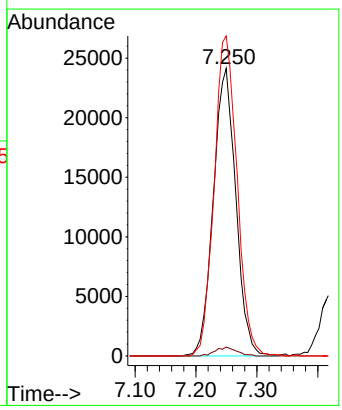


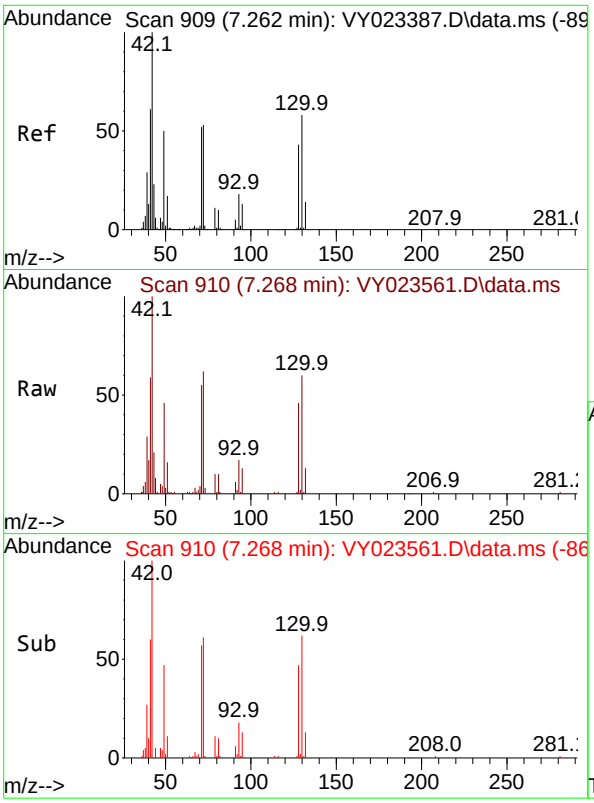


#28
Bromochloromethane
Concen: 18.871 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 49 Resp: 61891

Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	113.1	81.9	122.9





#29
Tetrahydrofuran
Concen: 90.887 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 42 Resp: 6908

Ion	Ratio	Lower	Upper
42	100		
72	59.0	43.0	64.6
71	55.3	40.1	60.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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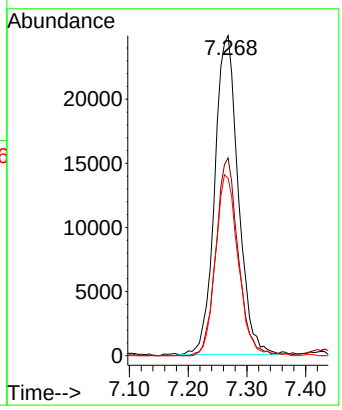
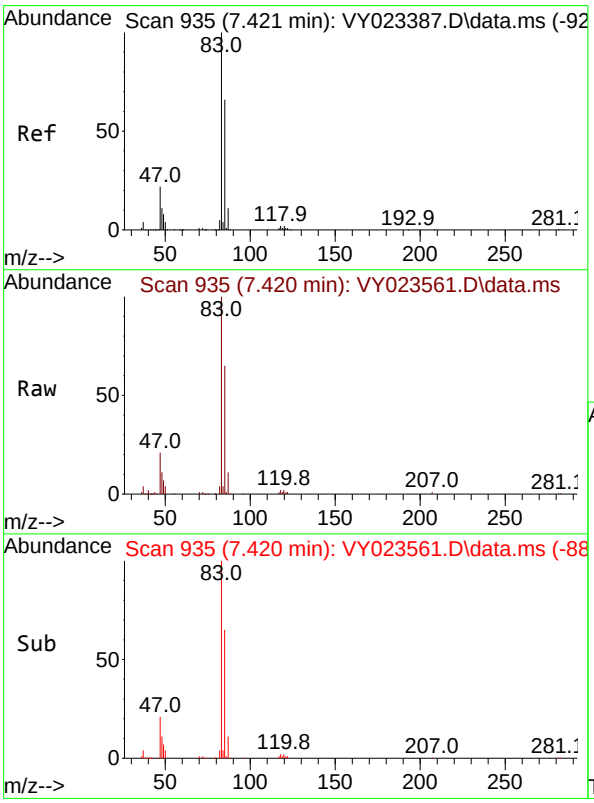
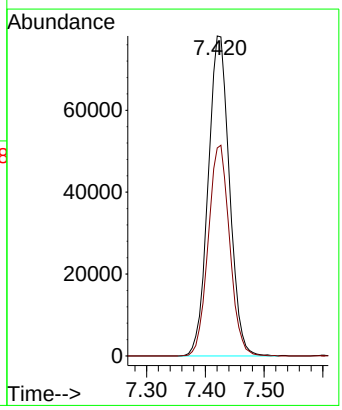


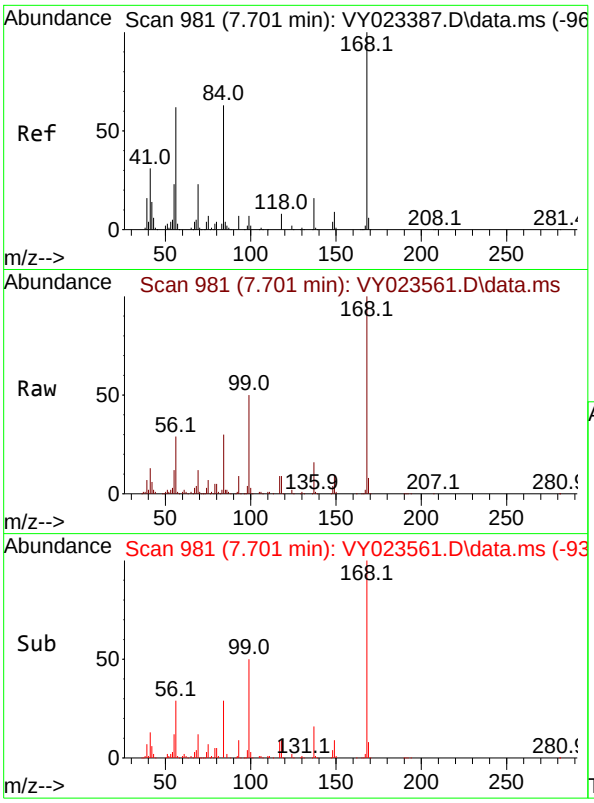


#30
Chloroform
Concen: 20.417 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 83 Resp: 197077

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.5	78.7

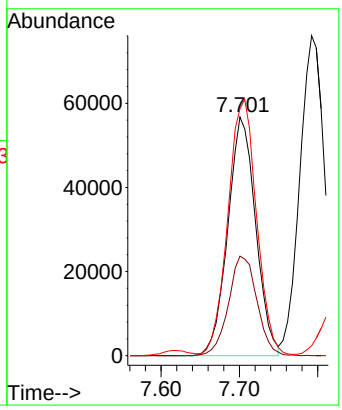




#31
Cyclohexane
Concen: 18.272 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 56 Resp: 14019

Ion	Ratio	Lower	Upper
56	100		
69	41.3	30.0	45.0
84	101.5	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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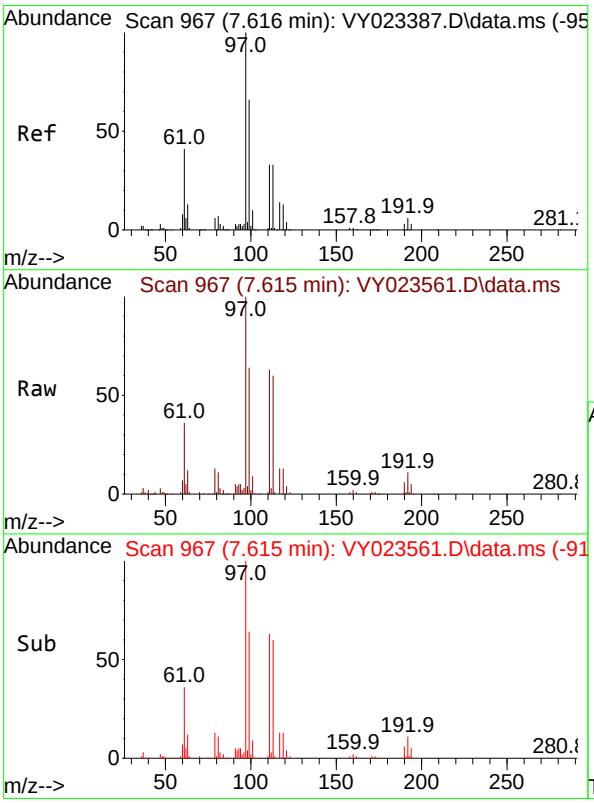
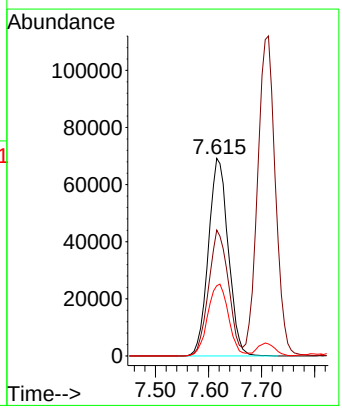
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

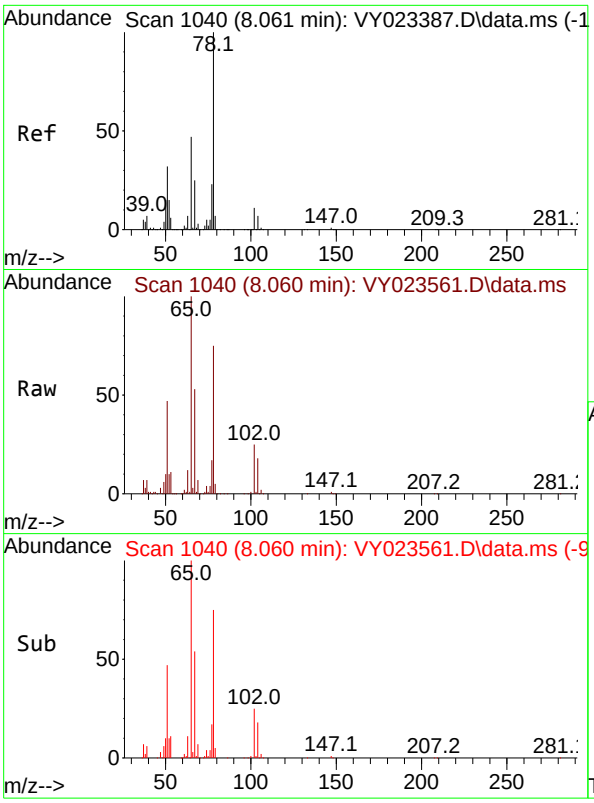


#32
1,1,1-Trichloroethane
Concen: 20.479 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 97 Resp: 179638

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	38.0	31.9	47.9





#33
1,2-Dichloroethane-d4
Concen: 44.218 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 65 Resp: 20393

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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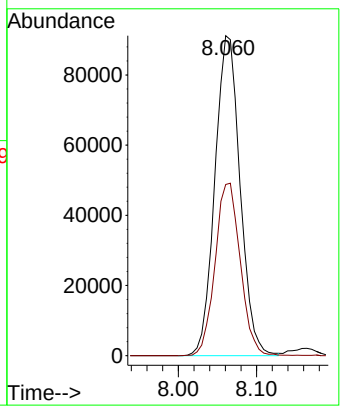
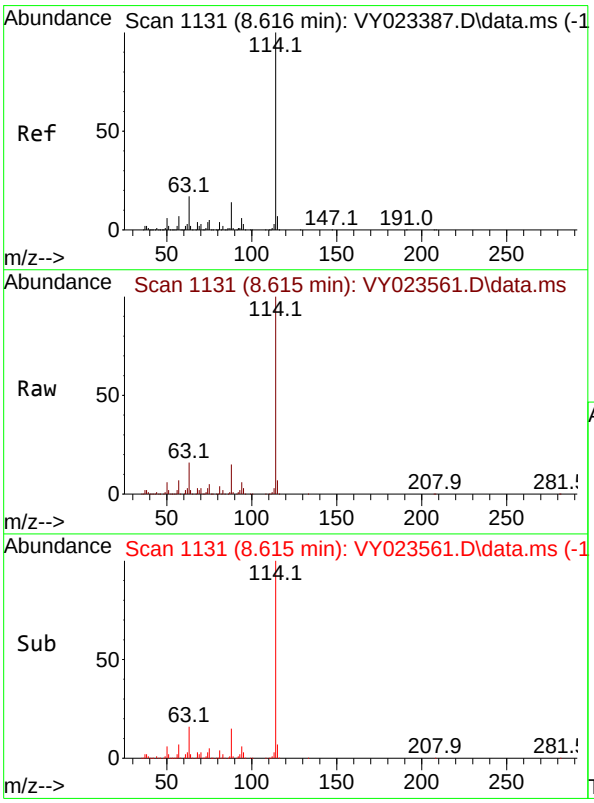
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

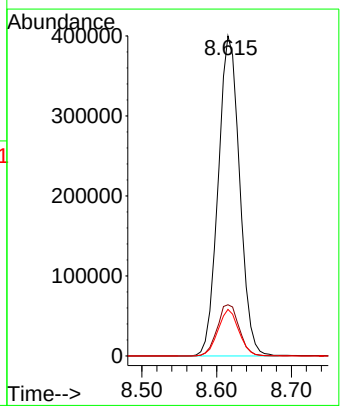


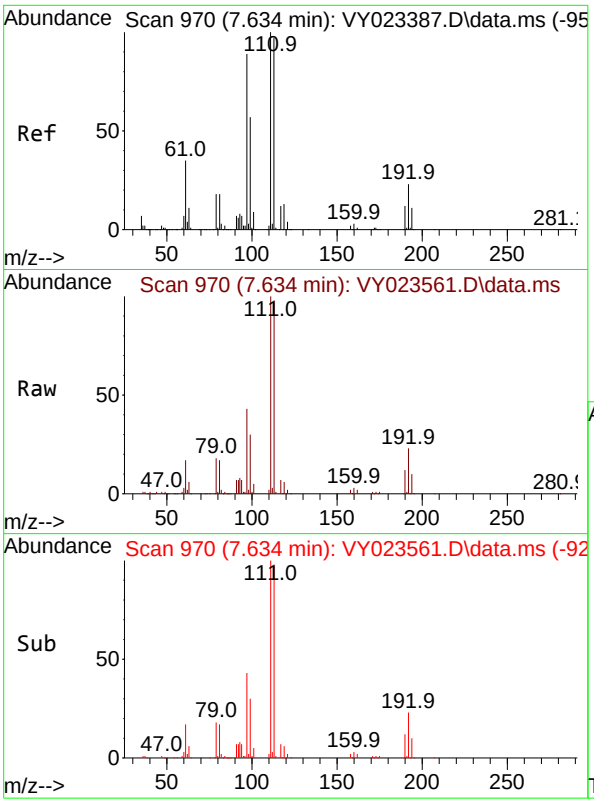


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:114 Resp: 799010

Ion	Ratio	Lower	Upper
114	100		
63	16.0	0.0	34.2
88	14.6	0.0	28.4

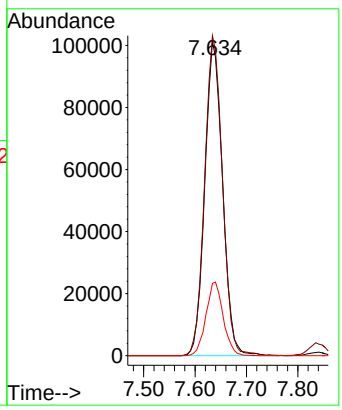




#35
Dibromofluoromethane
Concen: 49.499 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:113 Resp: 24301

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.8	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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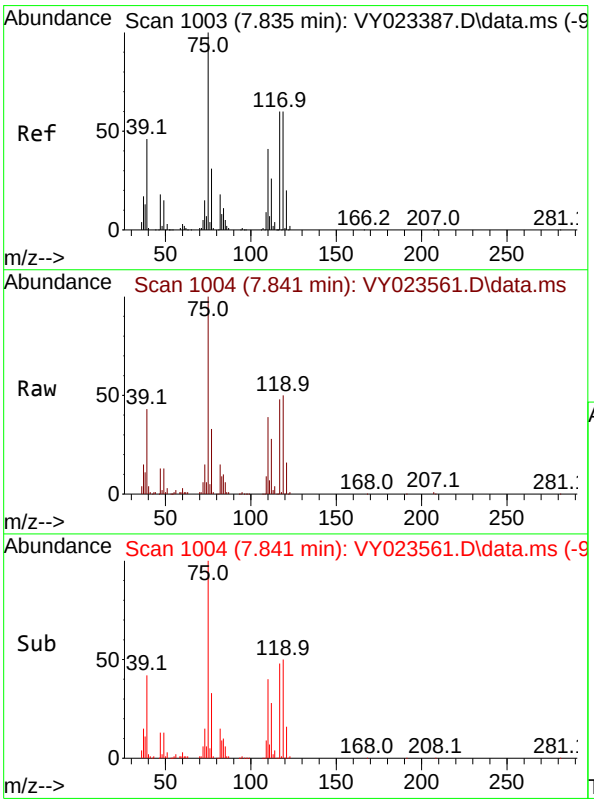
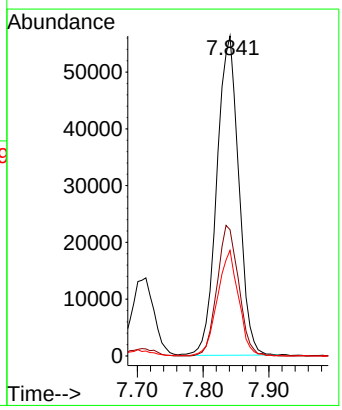
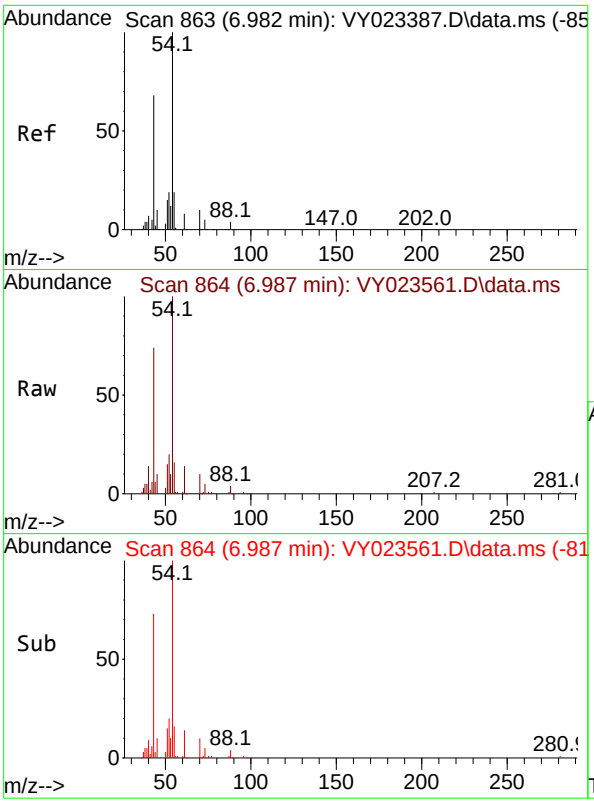


#36
1,1-Dichloropropene
Concen: 20.089 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 75 Resp: 130575

Ion	Ratio	Lower	Upper
75	100		
110	40.3	19.9	59.7
77	32.0	25.0	37.6





#37
Ethyl Acetate
Concen: 19.142 ug/l
RT: 6.987 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 43 Resp: 4929

Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.8	17.8
70	13.3	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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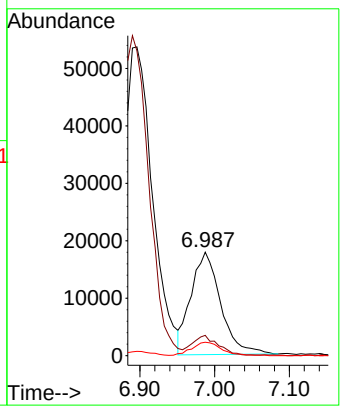
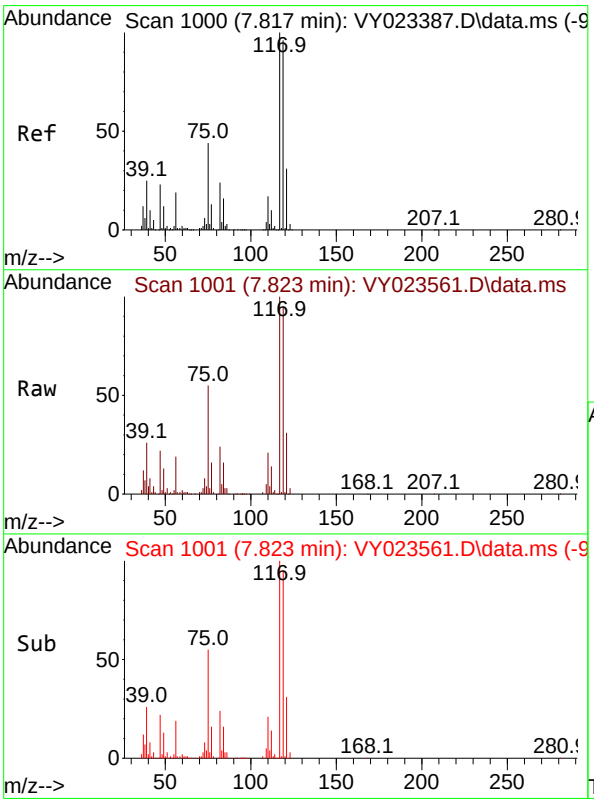
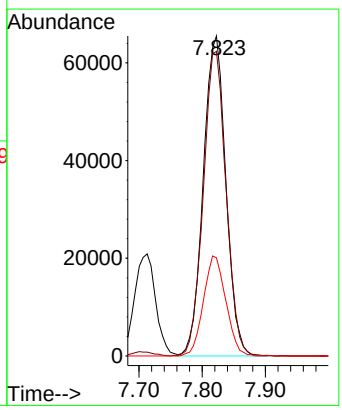


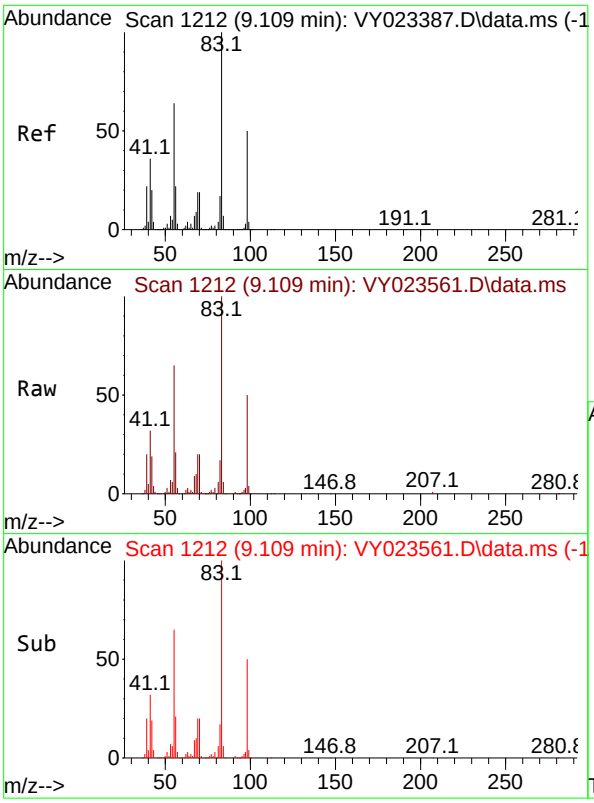


#38
Carbon Tetrachloride
Concen: 20.617 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:117 Resp: 162485

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.8	115.2
121	30.7	24.5	36.7





#39
Methylcyclohexane
Concen: 19.984 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 83 Resp: 16911

Ion	Ratio	Lower	Upper
83	100		
55	65.3	51.4	77.2
98	49.7	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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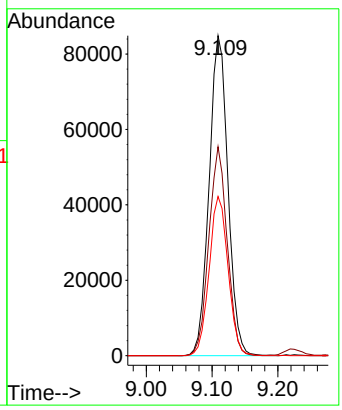
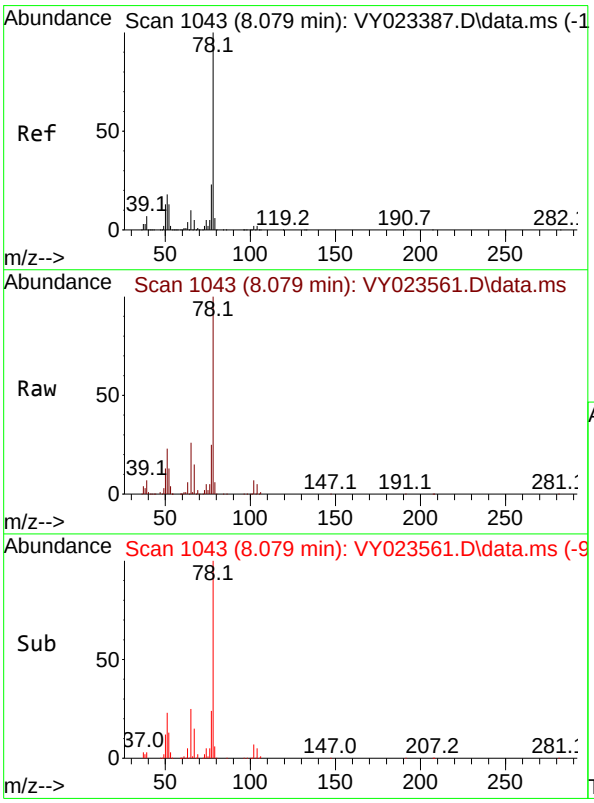
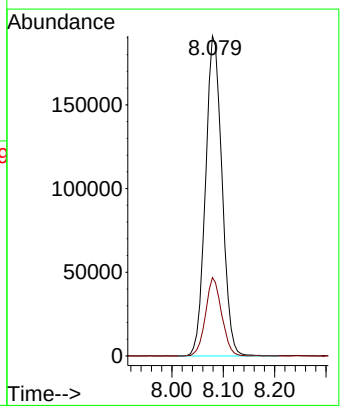


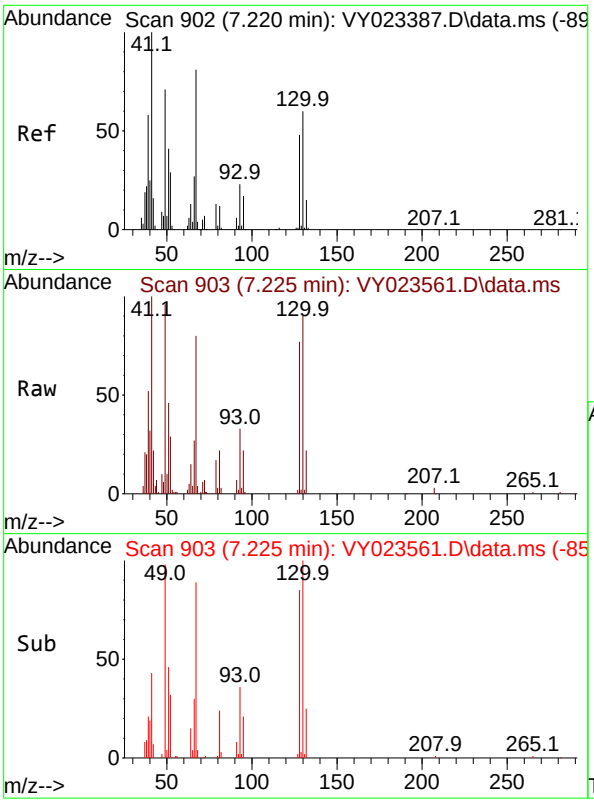


#40
Benzene
Concen: 20.712 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 78 Resp: 426341

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.3	27.5

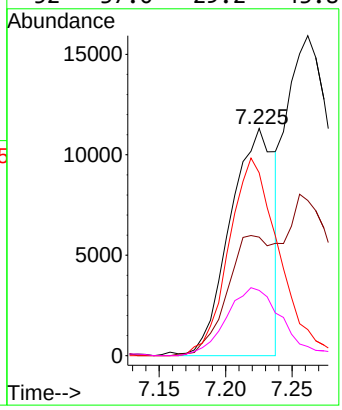




#41
Methacrylonitrile
Concen: 18.956 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 41 Resp: 2639

Ion	Ratio	Lower	Upper
41	100		
39	48.1	52.2	78.4
67	98.3	74.9	112.3
52	37.0	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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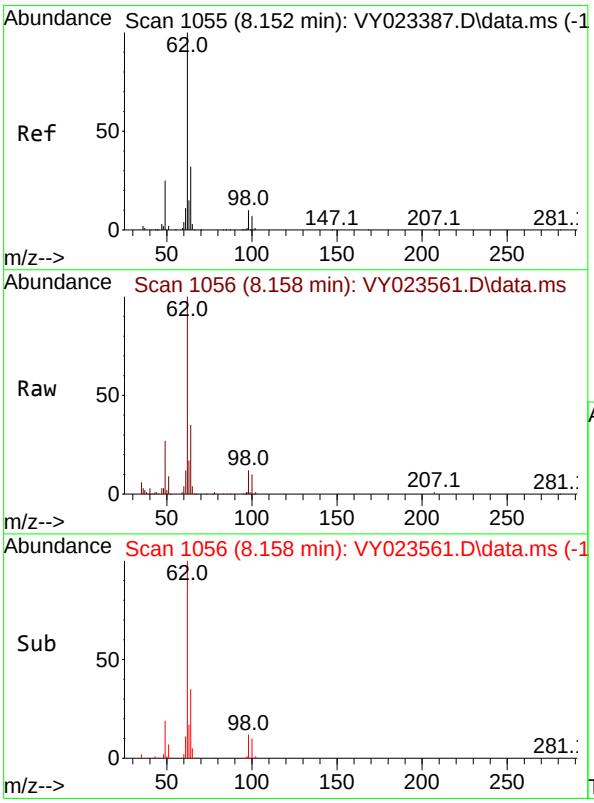
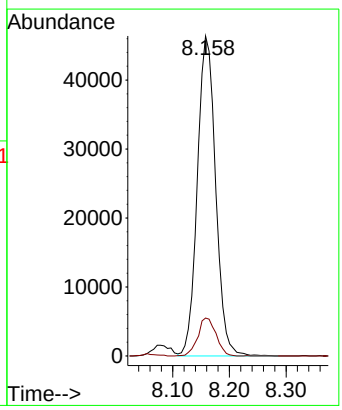
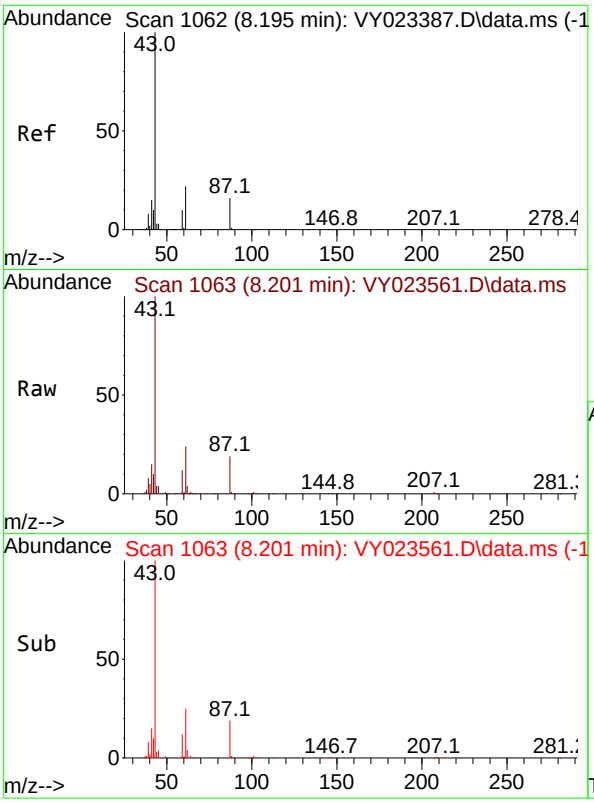


#42
1,2-Dichloroethane
Concen: 19.599 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 62 Resp: 104042

Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.6

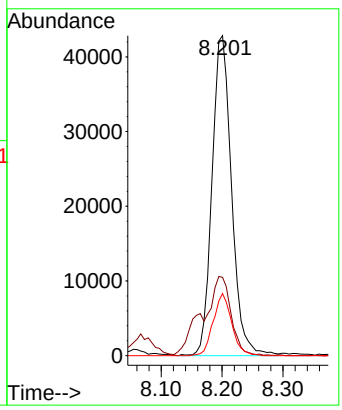




#43
Isopropyl Acetate
Concen: 18.643 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 43 Resp: 9572

Ion	Ratio	Lower	Upper
43	100		
61	25.4	18.1	27.1
87	18.4	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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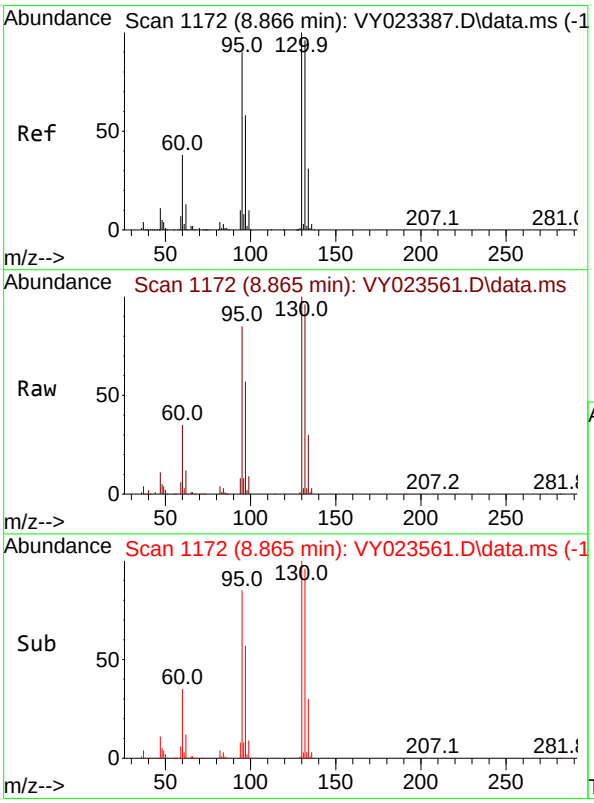
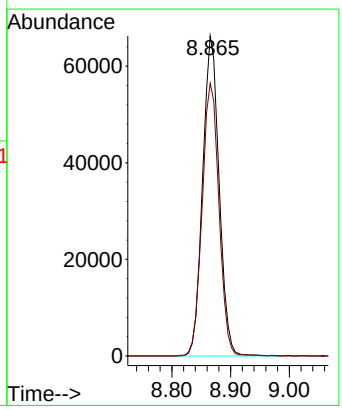
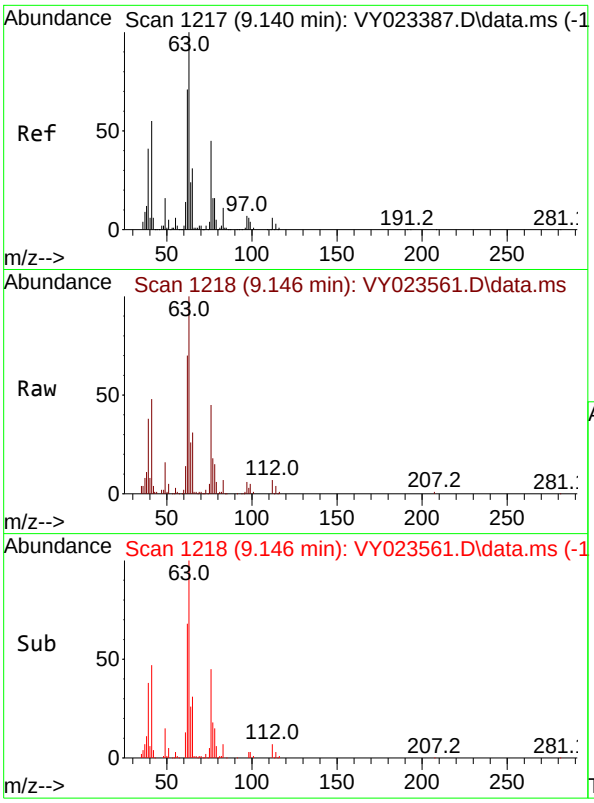


#44
Trichloroethene
Concen: 21.383 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:130 Resp: 128825

Ion	Ratio	Lower	Upper
130	100		
95	85.1	0.0	180.6





#45
1,2-Dichloropropane
Concen: 20.304 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 63 Resp: 9231

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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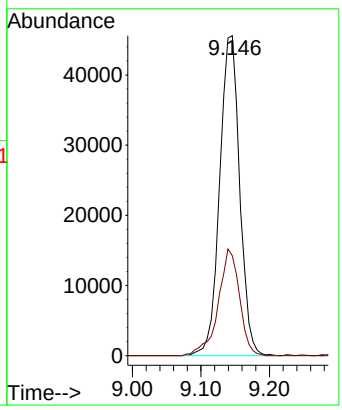
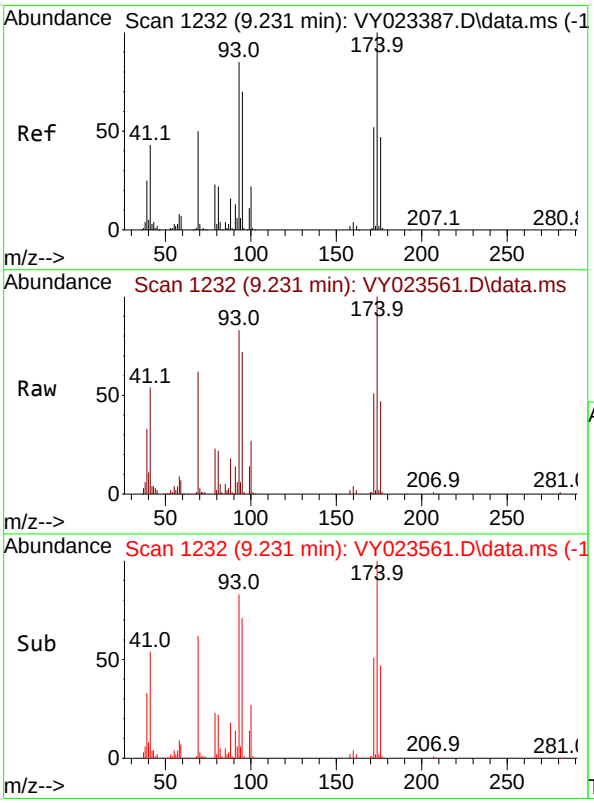
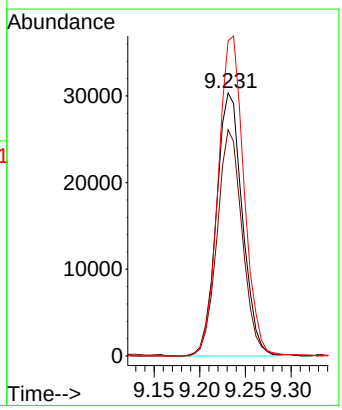


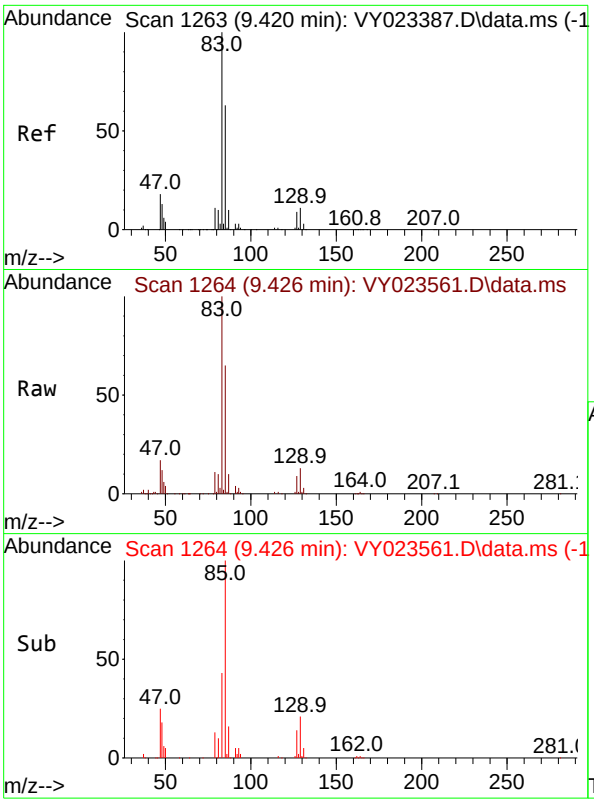


#46
Dibromomethane
Concen: 20.831 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 93 Resp: 59886

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.4	98.0
174	121.2	92.9	139.3

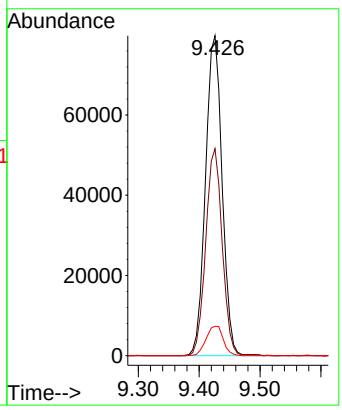




#47
Bromodichloromethane
Concen: 20.839 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 83 Resp: 15088

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.8	76.2
127	9.2	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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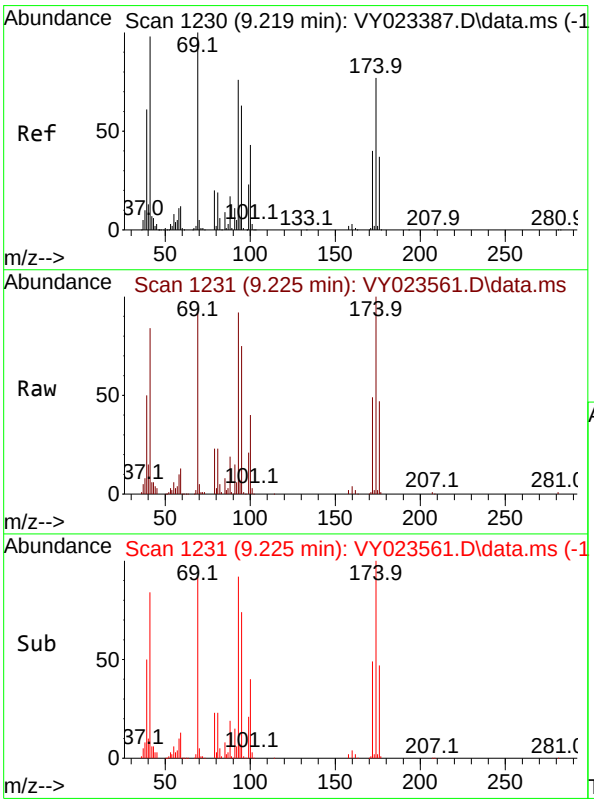
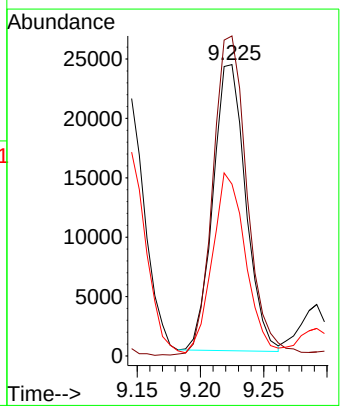
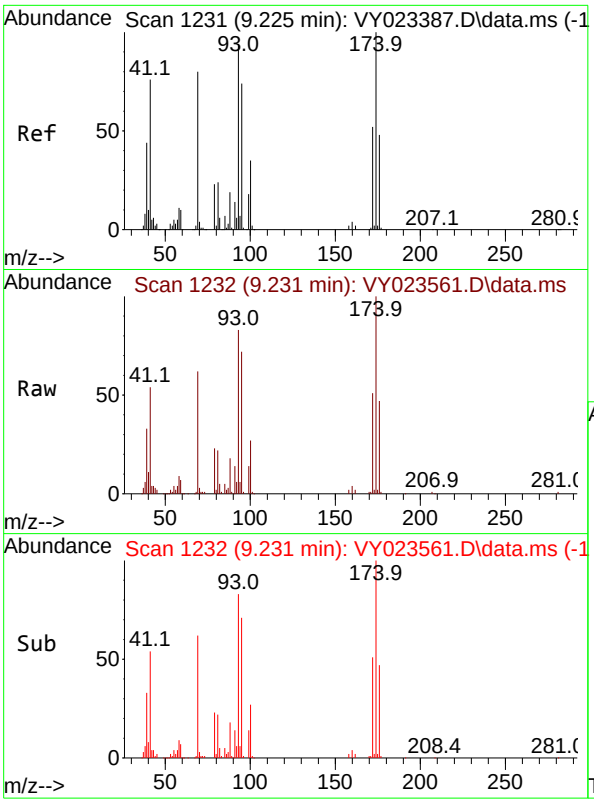


#48
Methyl methacrylate
Concen: 17.966 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 41 Resp: 43337

Ion	Ratio	Lower	Upper
41	100		
69	116.4	81.0	121.4
39	63.2	48.2	72.4





#49
1,4-Dioxane
Concen: 389.621 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 88 Resp: 1298

Ion	Ratio	Lower	Upper
88	100		
43	27.4	21.8	32.8
58	55.9	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
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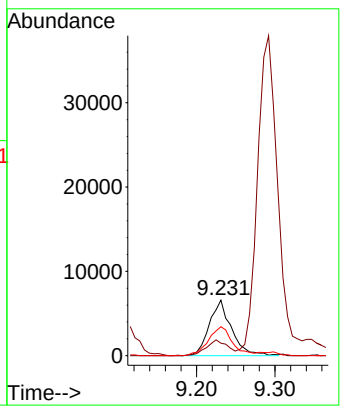
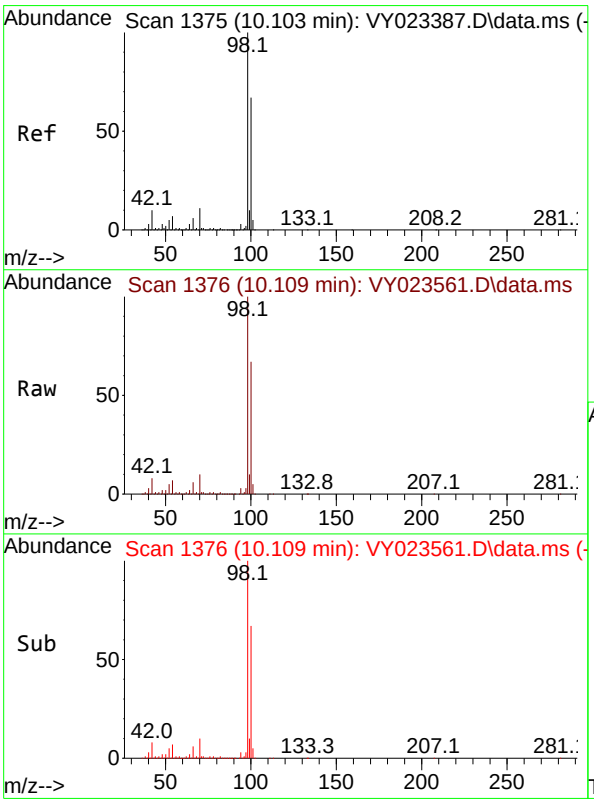
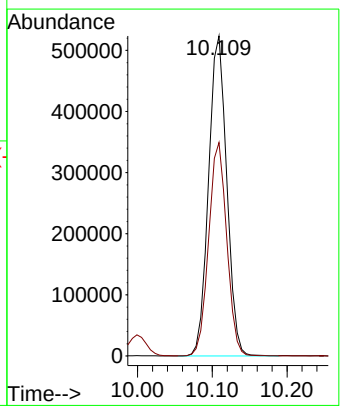


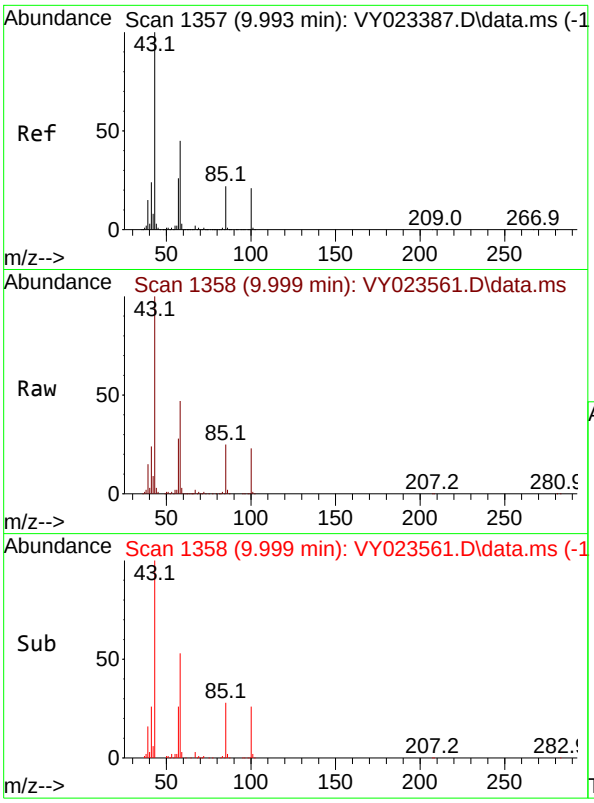


#50
Toluene-d8
Concen: 48.371 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 98 Resp: 884395

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

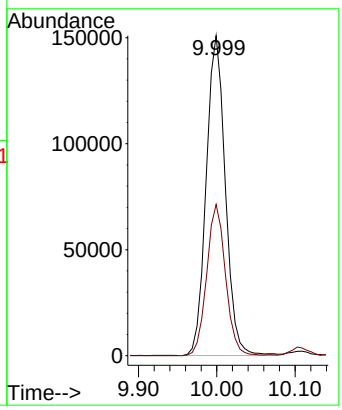




#51
4-Methyl-2-Pentanone
Concen: 96.362 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 43 Resp: 25563

Ion	Ratio	Lower	Upper
43	100		
58	46.6	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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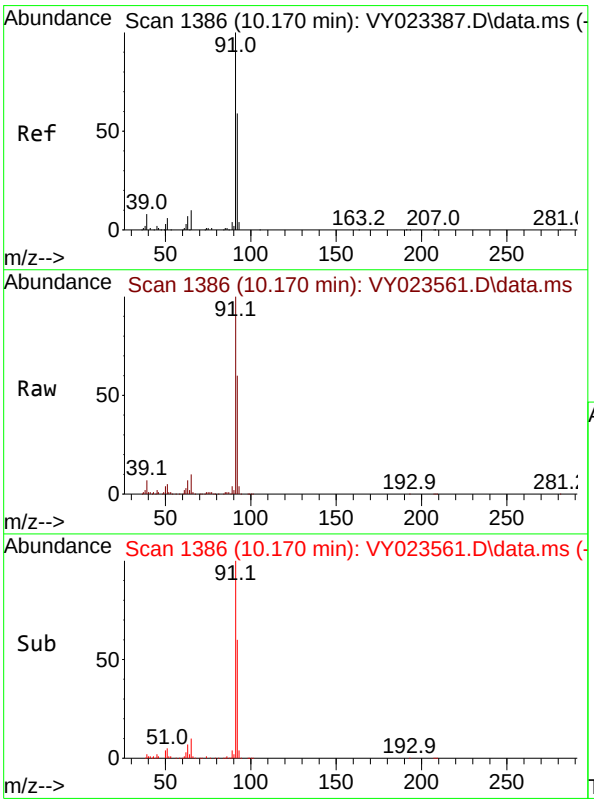
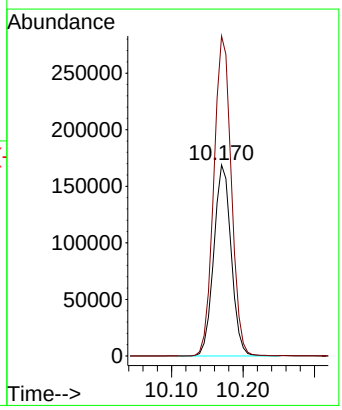
Supervised By :Mahesh Dadoda 10/27/2025

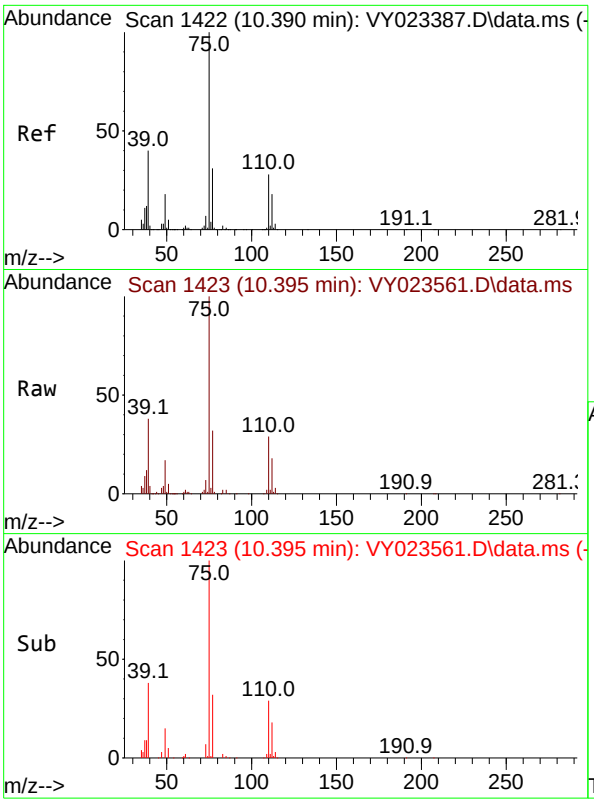


#52
Toluene
Concen: 21.281 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 92 Resp: 284413

Ion	Ratio	Lower	Upper
92	100		
91	168.8	136.4	204.6

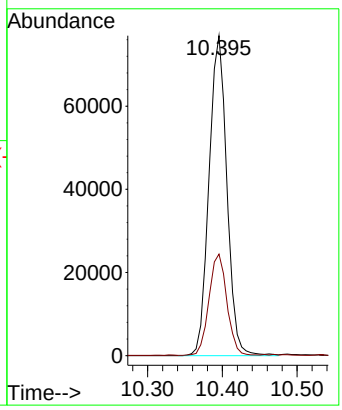




#53
t-1,3-Dichloropropene
Concen: 20.264 ug/l
RT: 10.395 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 75 Resp: 12757

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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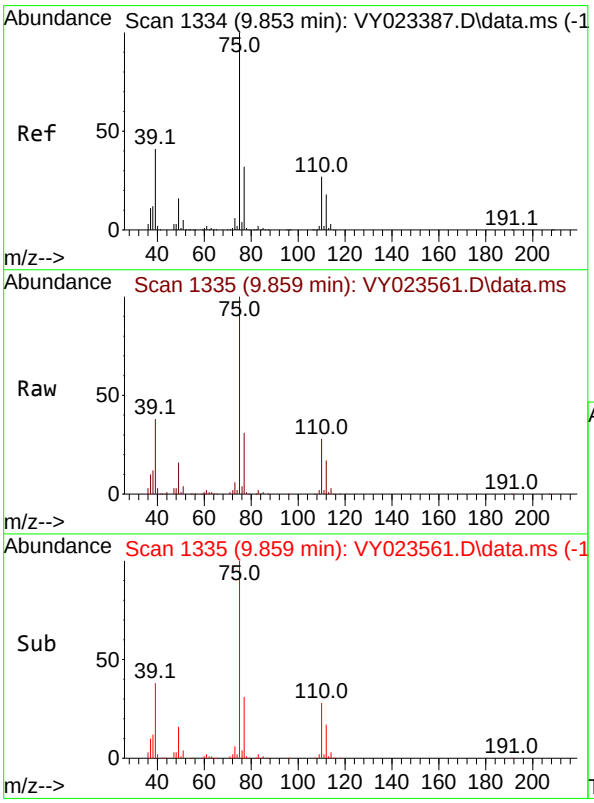
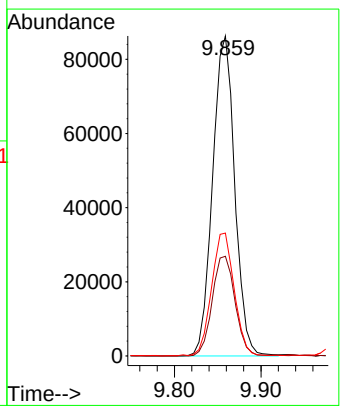
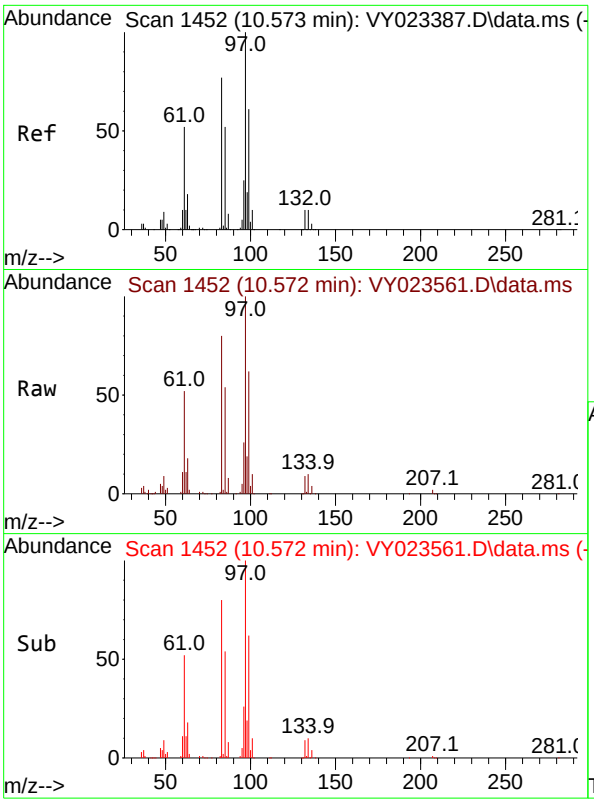


#54
cis-1,3-Dichloropropene
Concen: 20.608 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 75 Resp: 153131

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	38.3	32.8	49.2

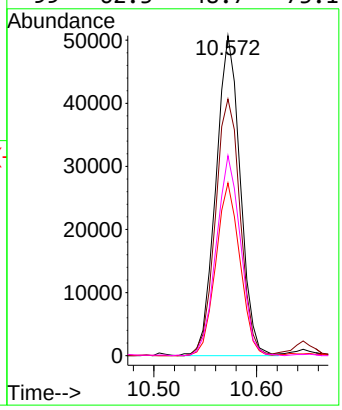




#55
1,1,2-Trichloroethane
Concen: 21.587 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 97 Resp: 8345

Ion	Ratio	Lower	Upper
97	100		
83	80.2	61.8	92.6
85	53.9	41.3	61.9
99	62.3	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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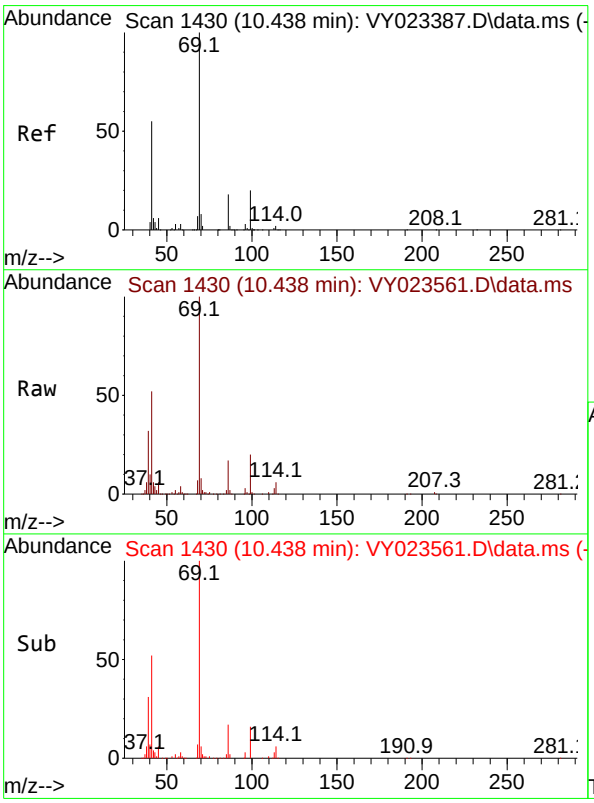
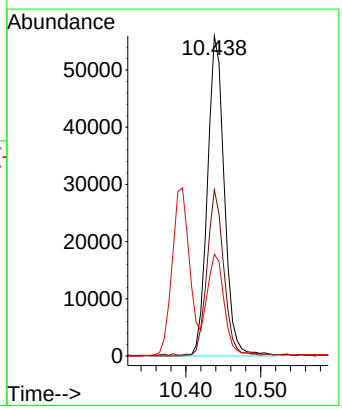
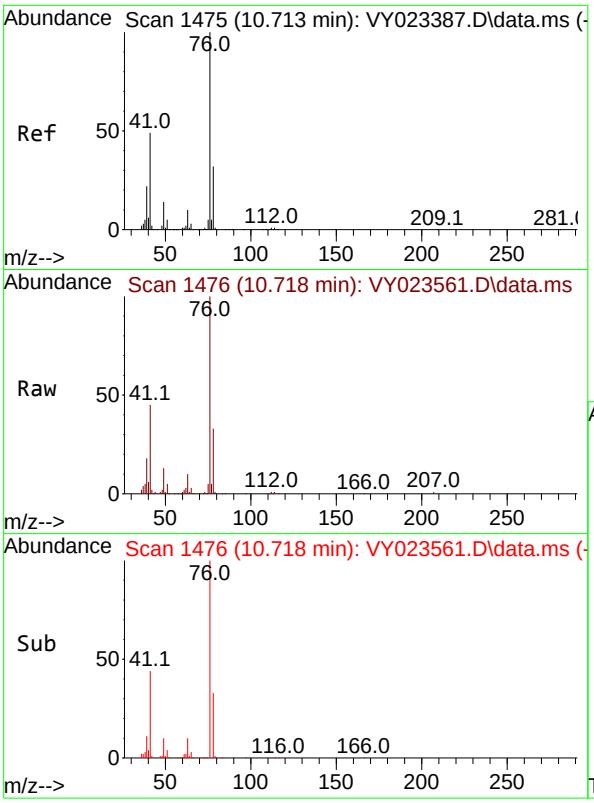


#56
Ethyl methacrylate
Concen: 19.752 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 69 Resp: 88085

Ion	Ratio	Lower	Upper
69	100		
41	50.5	44.6	67.0
39	31.1	27.0	40.4





#57
1,3-Dichloropropane
Concen: 20.716 ug/l
RT: 10.718 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 76 Resp: 12690

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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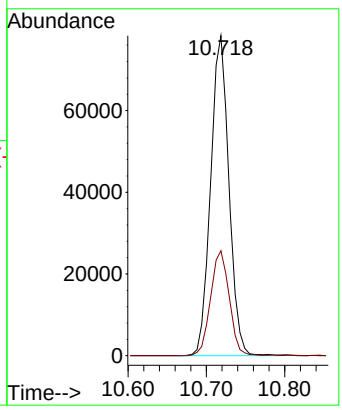
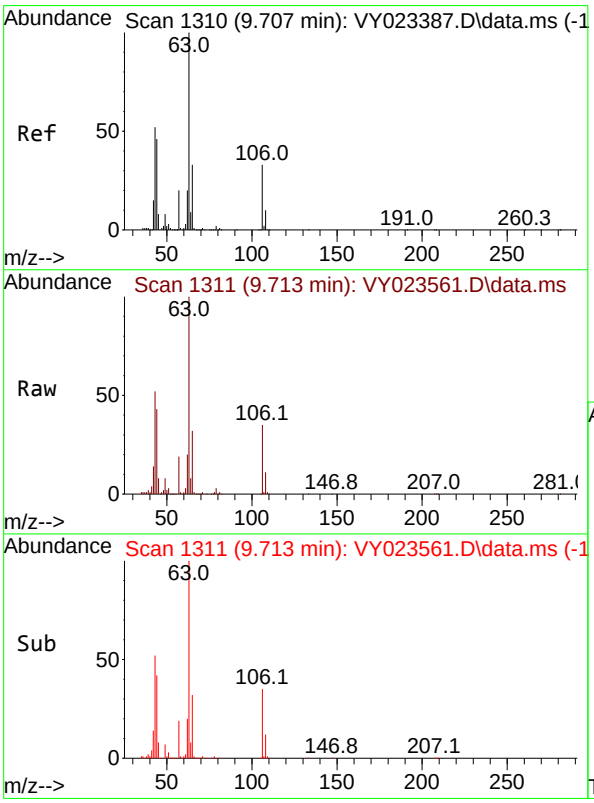
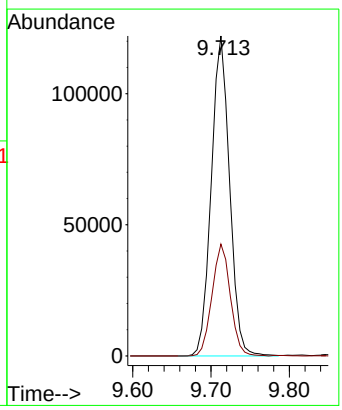


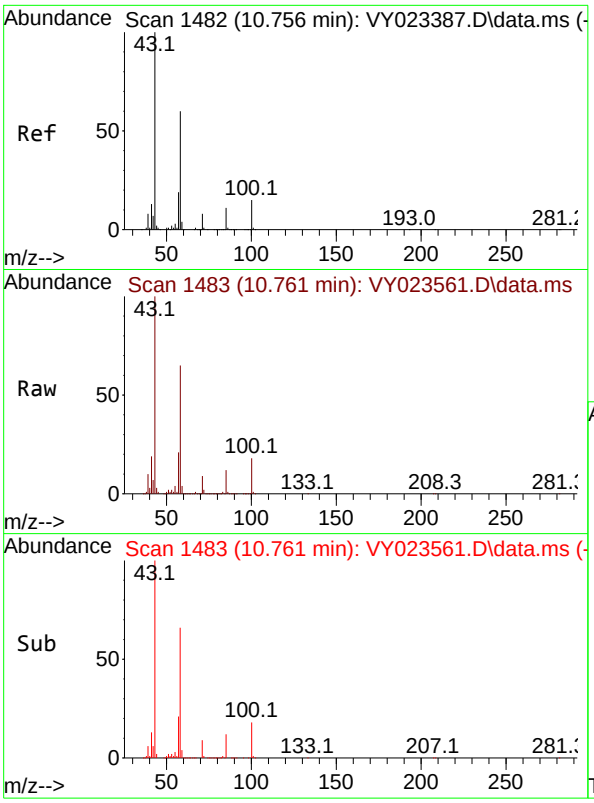


#58
2-Chloroethyl Vinyl ether
Concen: 99.163 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 63 Resp: 198103

Ion	Ratio	Lower	Upper
63	100		
106	34.9	26.6	39.8





#59
2-Hexanone
Concen: 111.416 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 43 Resp: 21122

Ion	Ratio	Lower	Upper
43	100		
58	64.1	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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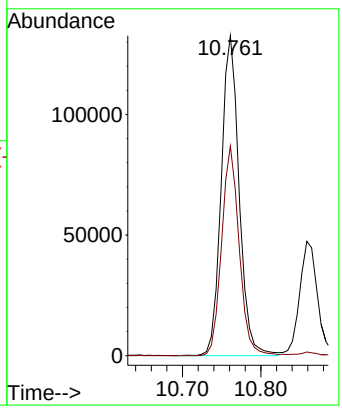
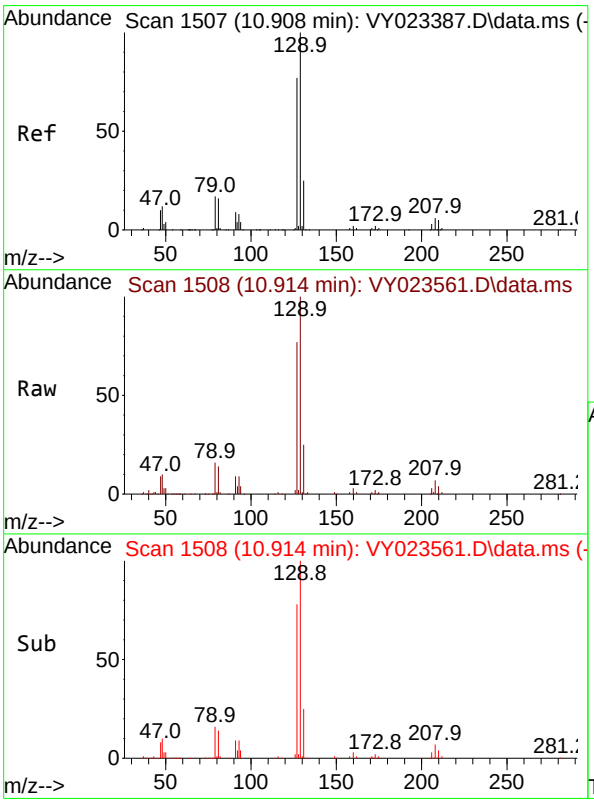
Supervised By :Mahesh Dadoda 10/27/2025

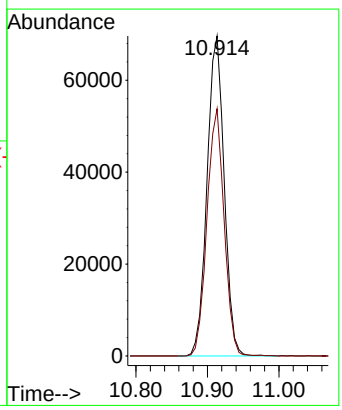


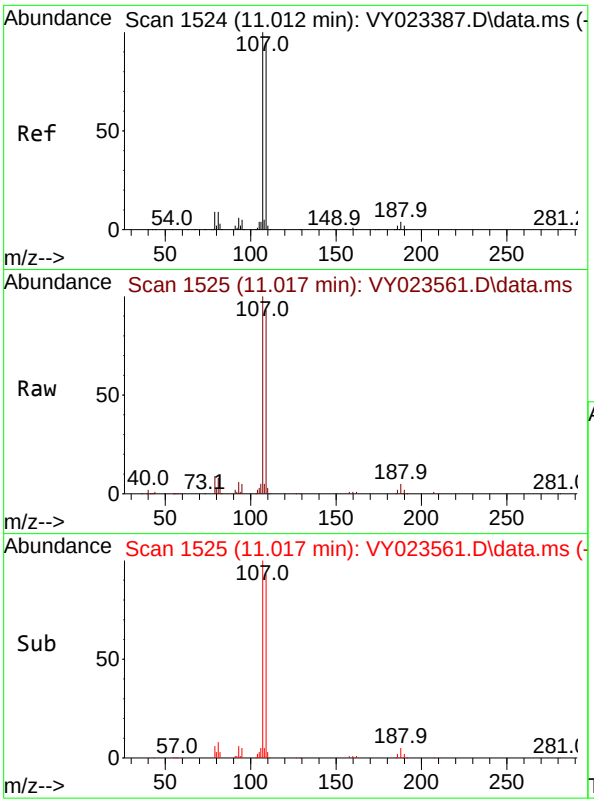


#60
Dibromochloromethane
Concen: 21.342 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:129 Resp: 115677

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.7





#61
1,2-Dibromoethane
Concen: 21.377 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:107 Resp: 7881

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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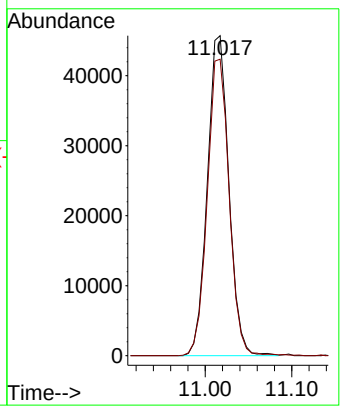
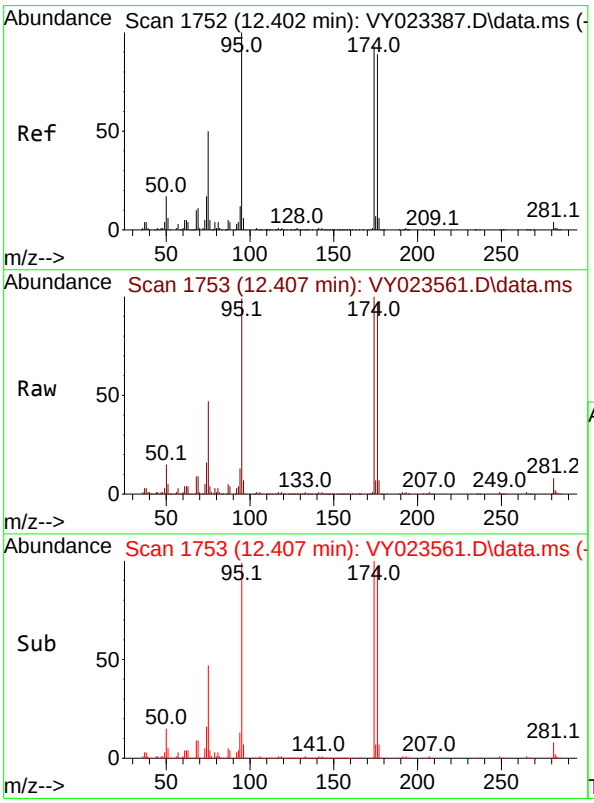
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

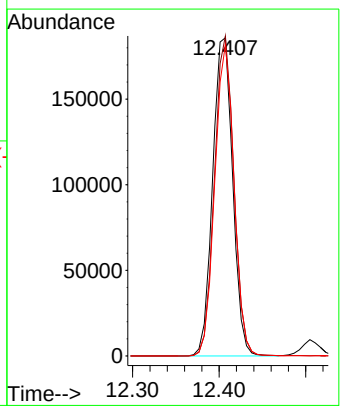


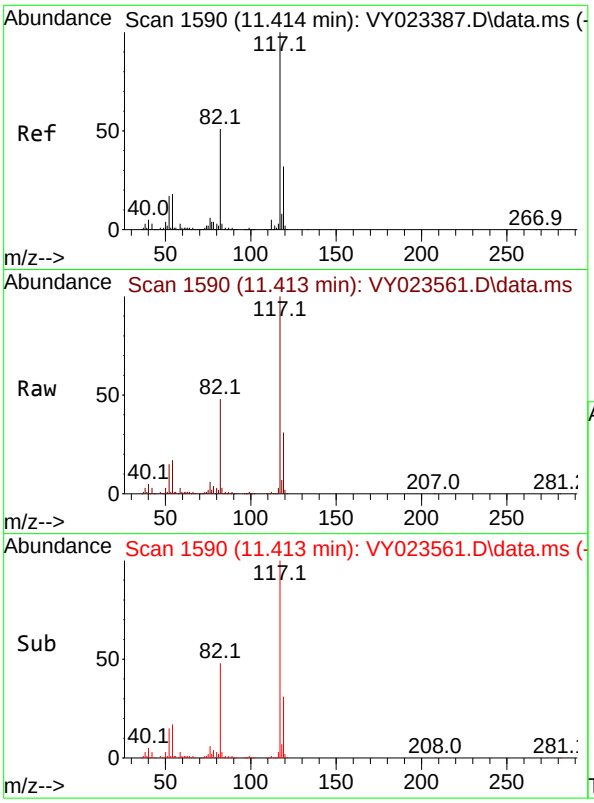


#62
4-Bromofluorobenzene
Concen: 49.317 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 95 Resp: 297693

Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	192.8
176	94.3	0.0	187.6

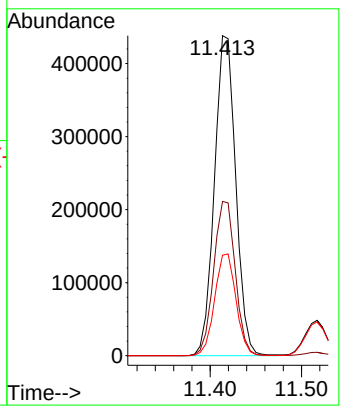




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:117 Resp: 70971

Ion	Ratio	Lower	Upper
117	100		
82	48.2	41.0	61.4
119	31.4	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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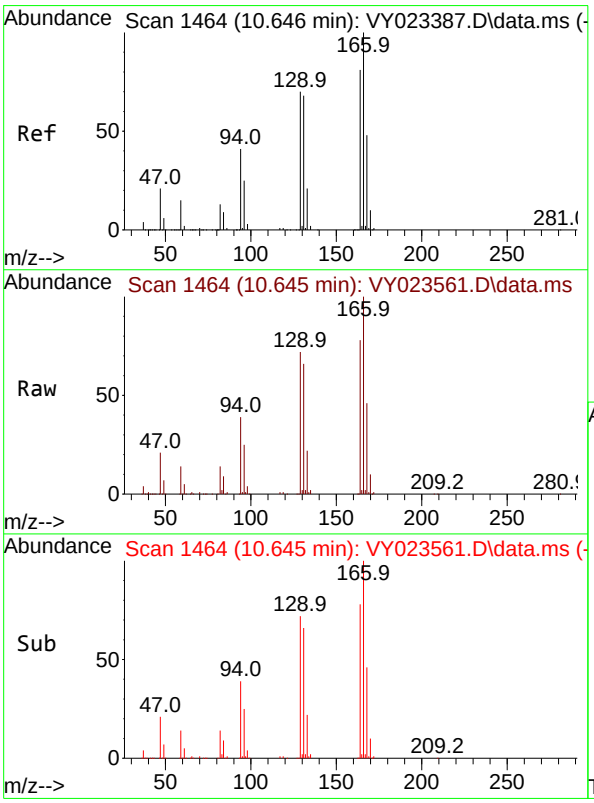
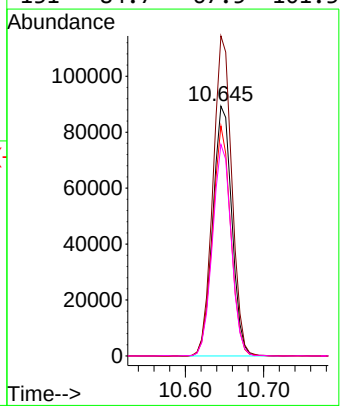
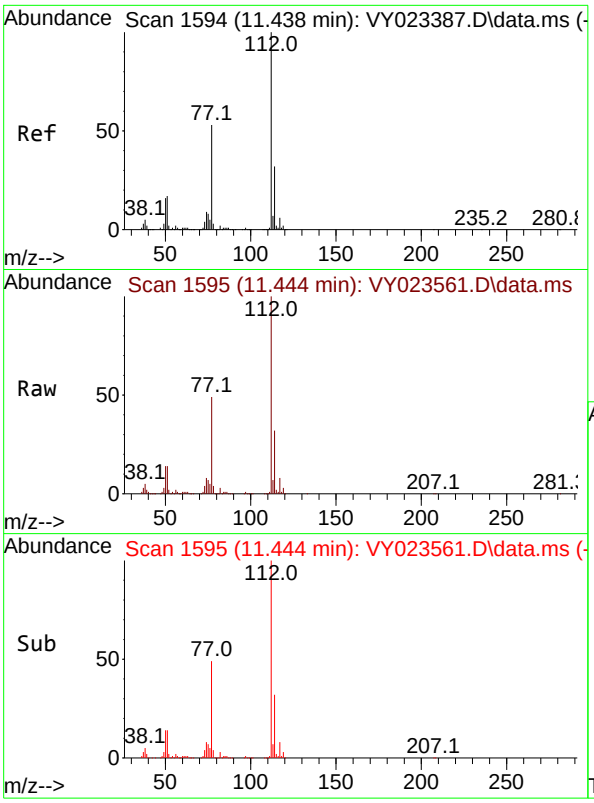


#64
Tetrachloroethene
Concen: 20.639 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:164 Resp: 151245

Ion	Ratio	Lower	Upper
164	100		
166	128.1	99.4	149.0
129	92.1	69.4	104.2
131	84.7	67.5	101.3

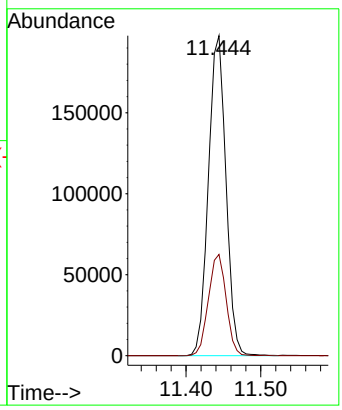




#65
Chlorobenzene
Concen: 20.861 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:112 Resp: 32200

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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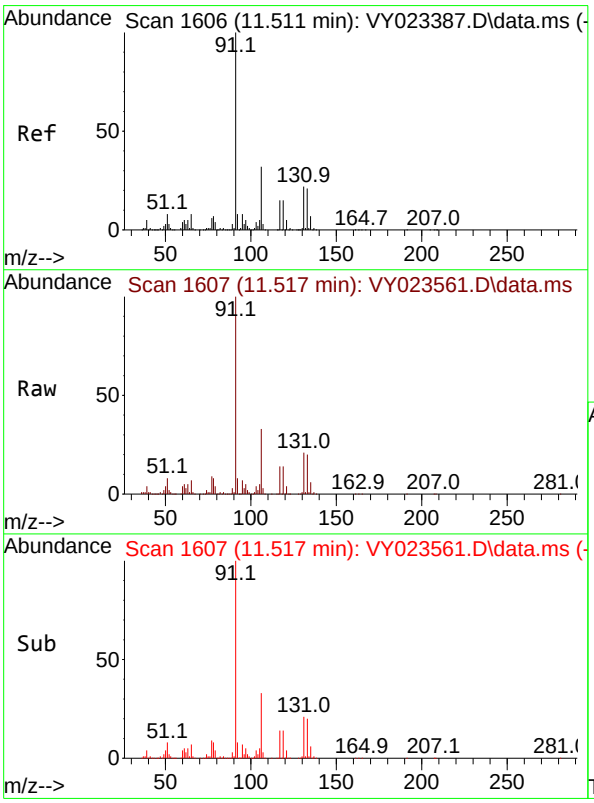
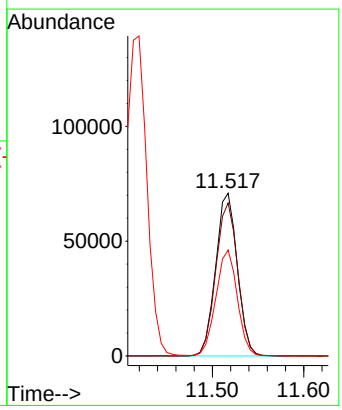
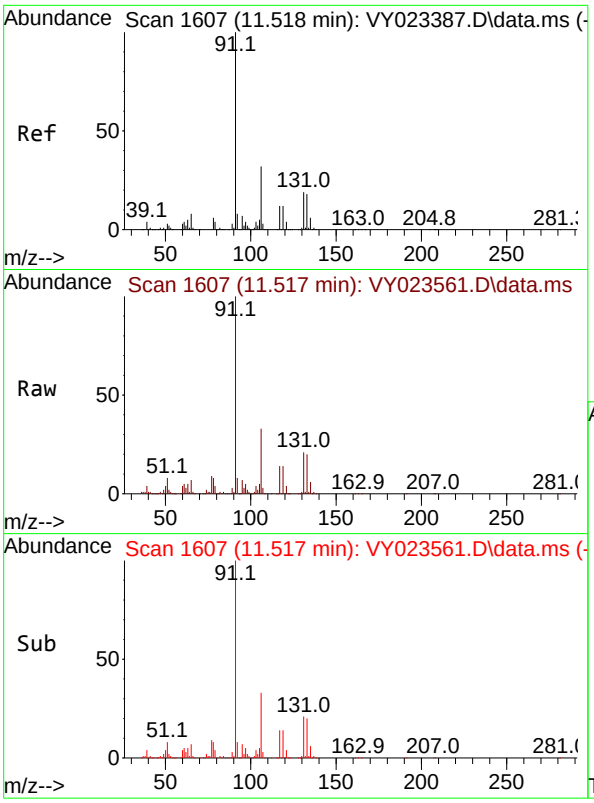


#66
1,1,1,2-Tetrachloroethane
Concen: 21.195 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:131 Resp: 116589

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.4	145.2
119	64.8	32.4	97.2

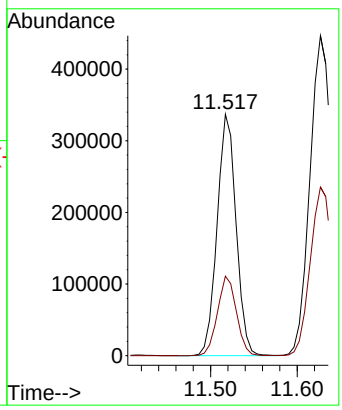




#67
Ethyl Benzene
Concen: 20.521 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 91 Resp: 51275

Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
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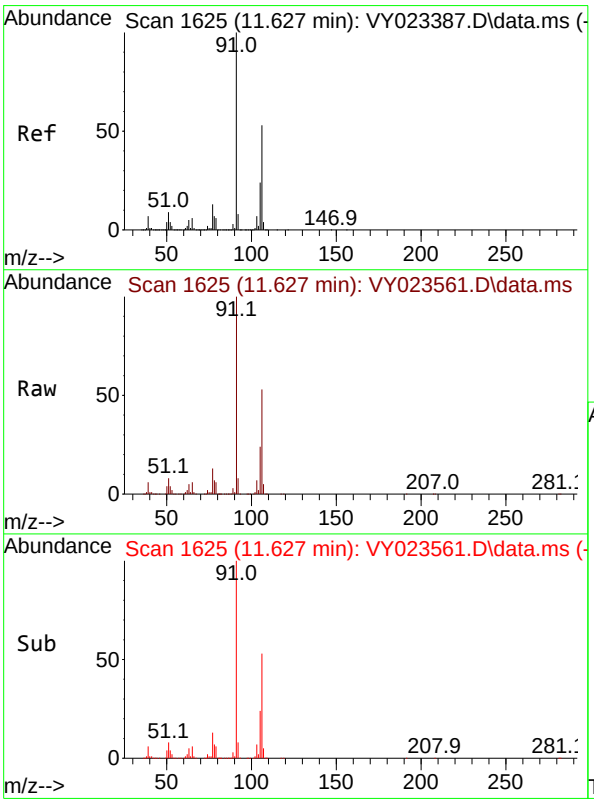
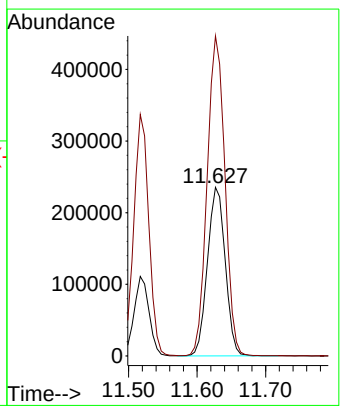
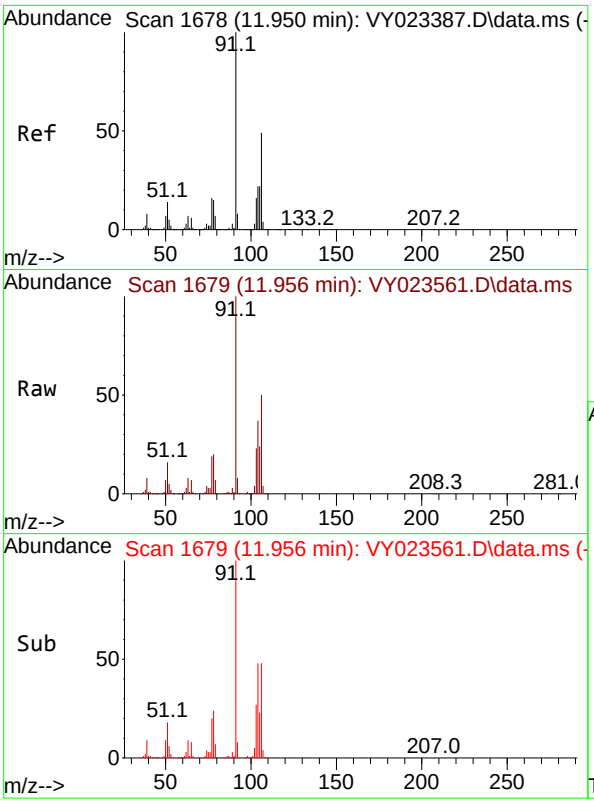


#68
m/p-Xylenes
Concen: 42.257 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:106 Resp: 423494

Ion	Ratio	Lower	Upper
106	100		
91	189.9	152.6	229.0





#69
o-Xylene
Concen: 21.072 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:106 Resp: 19808

Ion	Ratio	Lower	Upper
106	100		
91	198.1	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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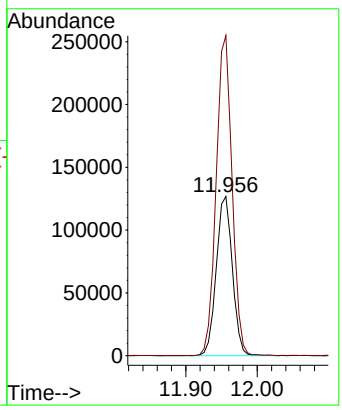
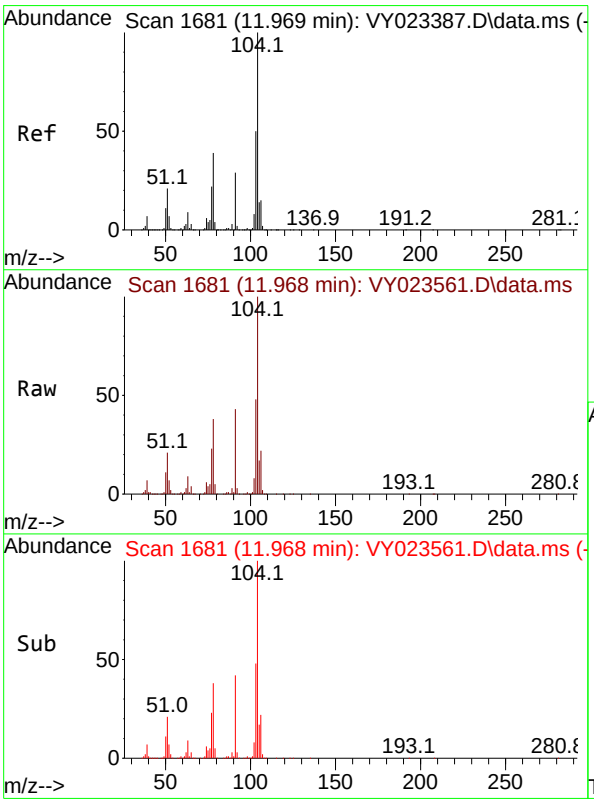
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

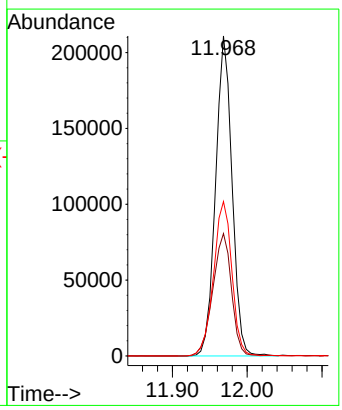


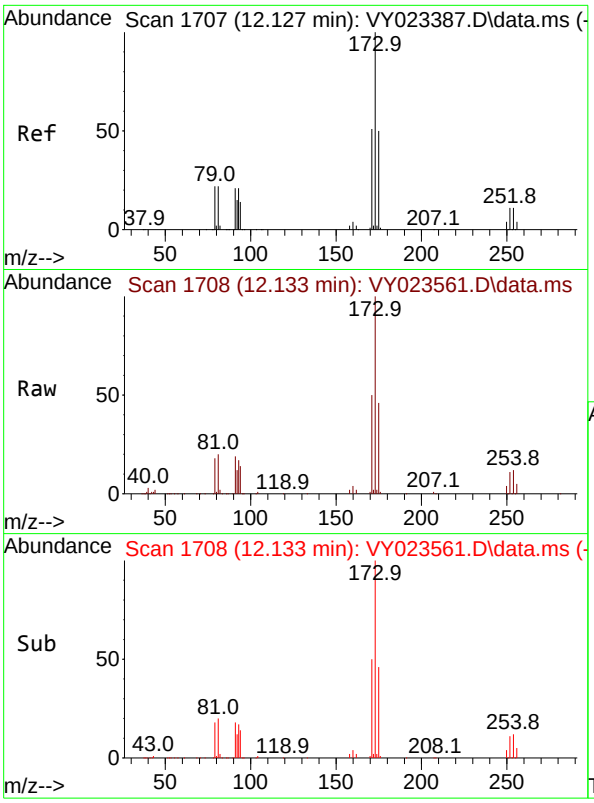


#70
Styrene
Concen: 20.949 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:104 Resp: 323830

Ion	Ratio	Lower	Upper
104	100		
78	43.4	36.1	54.1
103	53.7	43.2	64.8

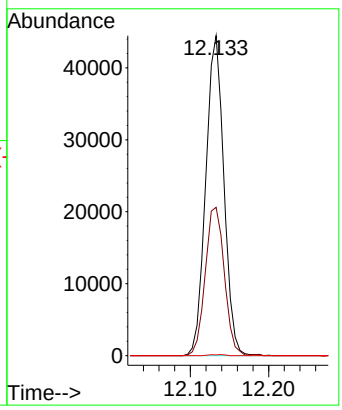




#71
Bromoform
Concen: 20.917 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:173 Resp: 7137

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.3	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
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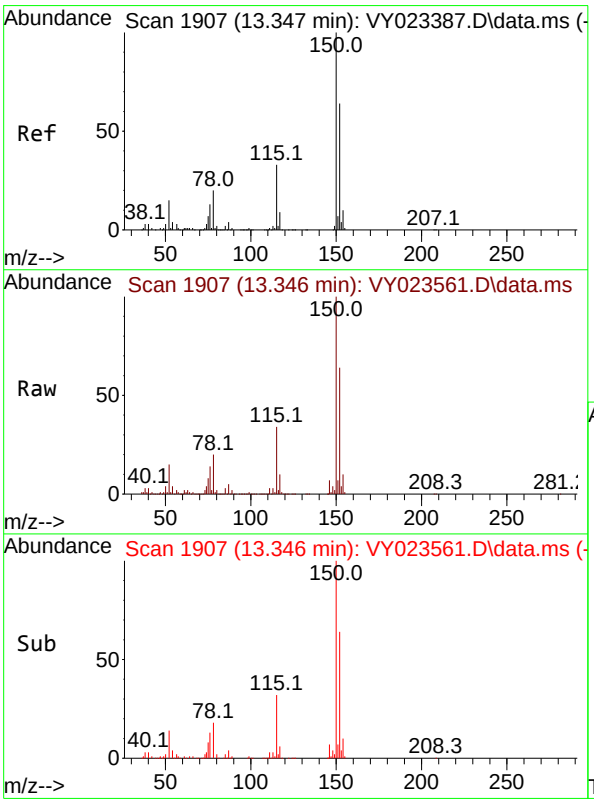
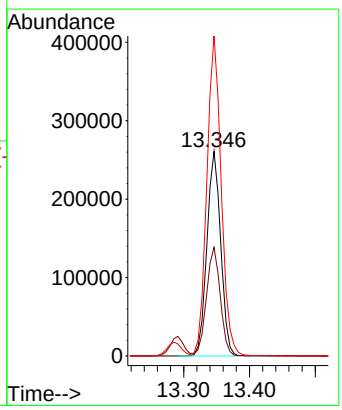
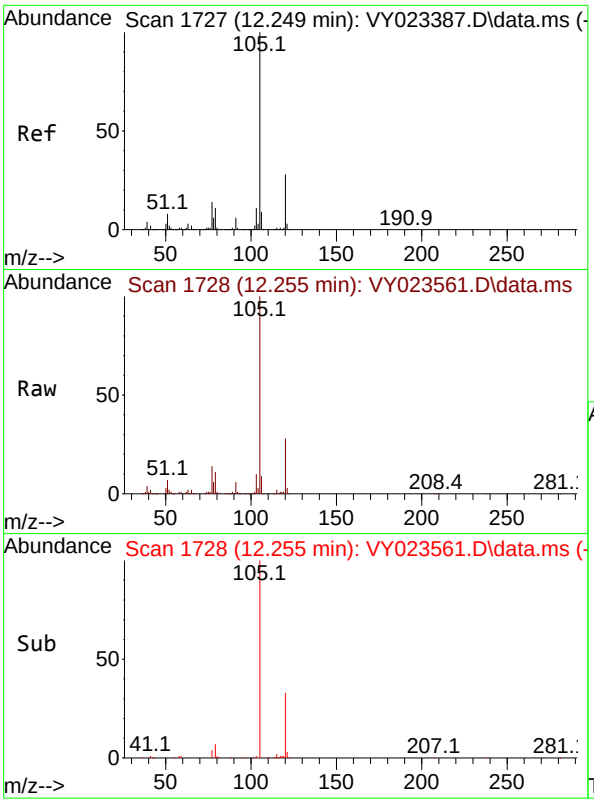


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:152 Resp: 380713

Ion	Ratio	Lower	Upper
152	100		
115	52.6	27.1	81.2
150	163.0	0.0	347.4

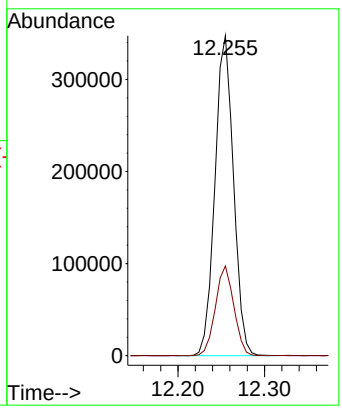




#73
Isopropylbenzene
Concen: 20.581 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:105 Resp: 51635

Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.9	41.7



Instrument :
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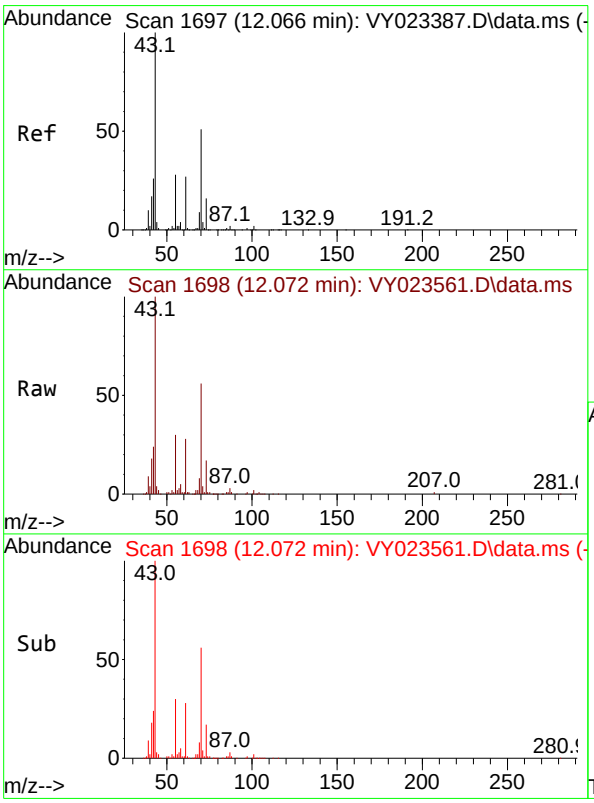
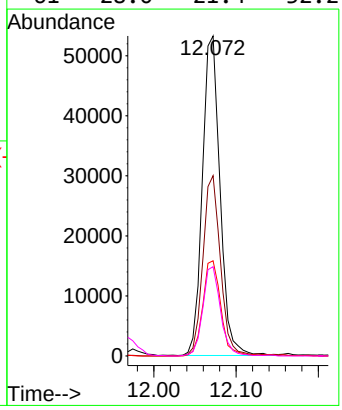
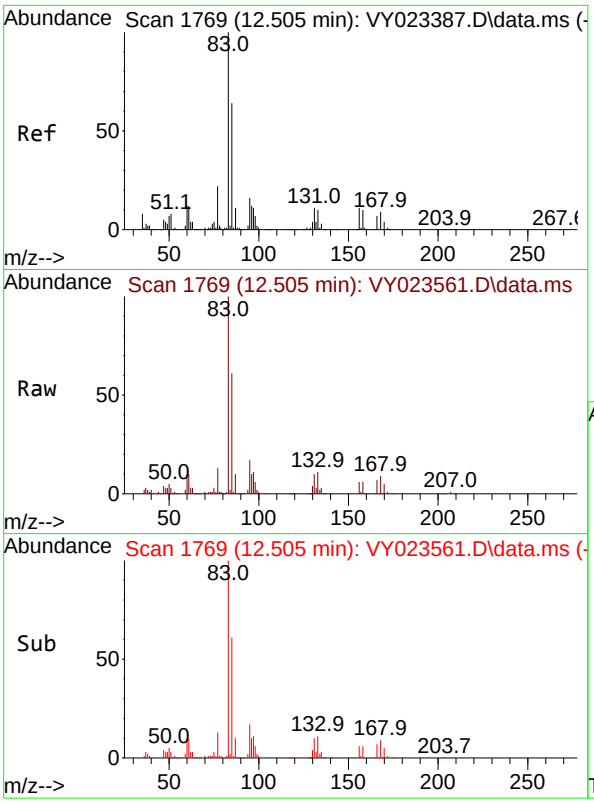


#74
N-amyl acetate
Concen: 17.669 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 43 Resp: 79625

Ion	Ratio	Lower	Upper
43	100		
70	56.3	41.1	61.7
55	30.4	23.0	34.6
61	28.0	21.4	32.2





#75
1,1,2,2-Tetrachloroethane
Concen: 20.318 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 83 Resp: 8337

Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.9	17.6
85	64.5	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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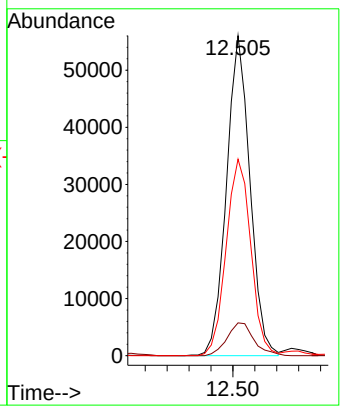
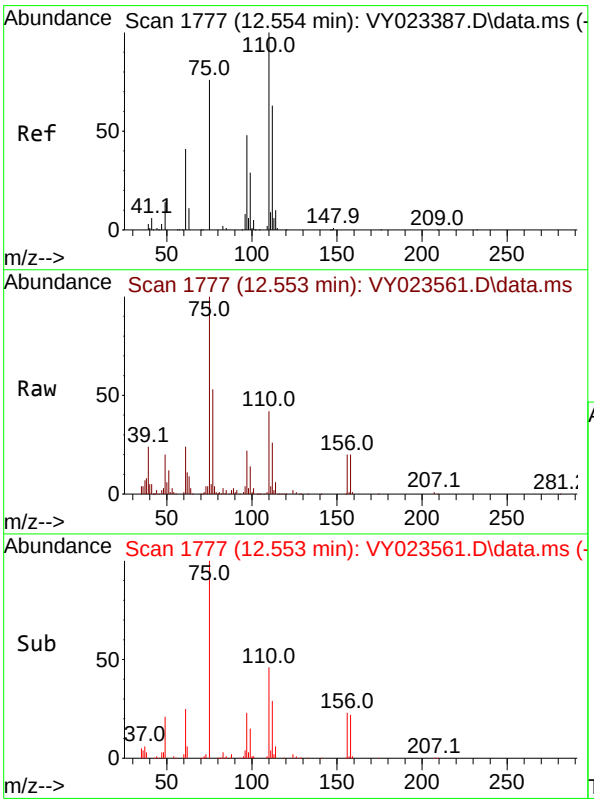
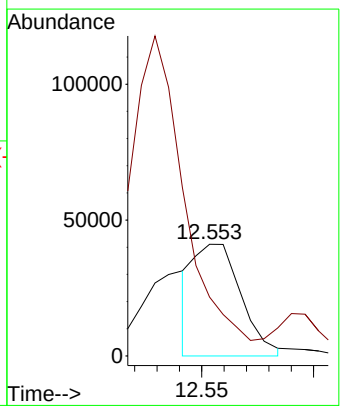


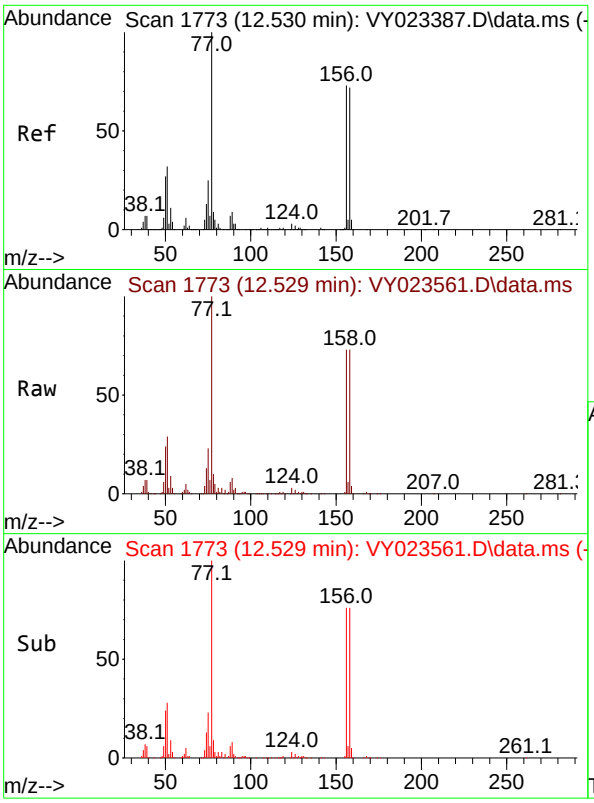


#76
1,2,3-Trichloropropane
Concen: 18.195 ug/l m
RT: 12.553 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 75 Resp: 61116

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

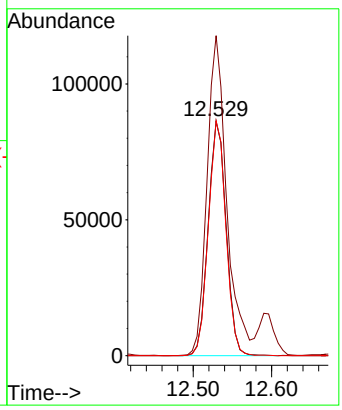




#77
Bromobenzene
Concen: 20.547 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:156 Resp: 13705

Ion	Ratio	Lower	Upper
156	100		
77	149.4	76.8	230.5
158	98.3	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
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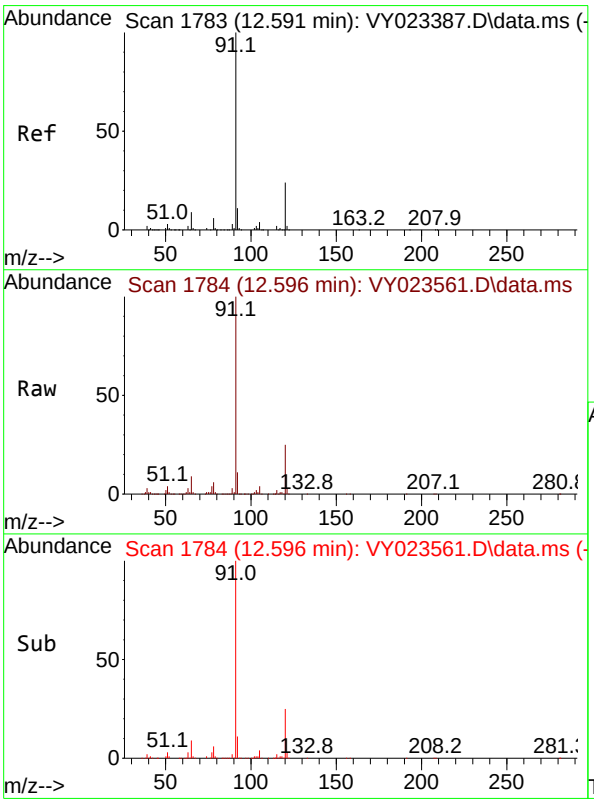
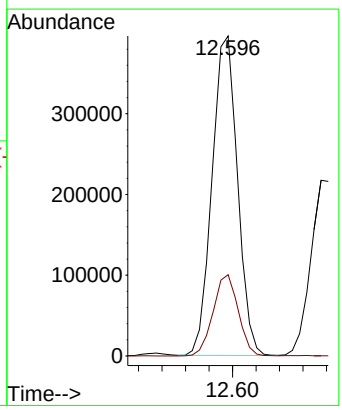
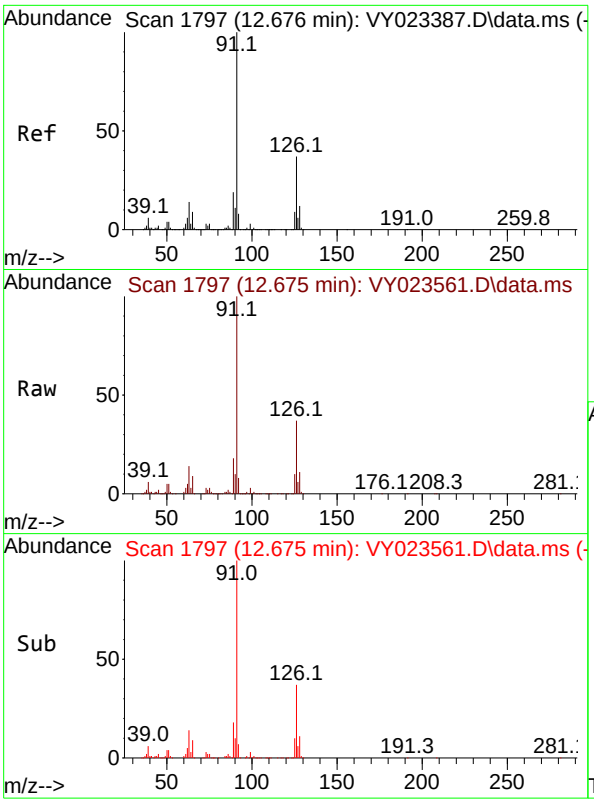


#78
n-propylbenzene
Concen: 20.520 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 91 Resp: 595772

Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8

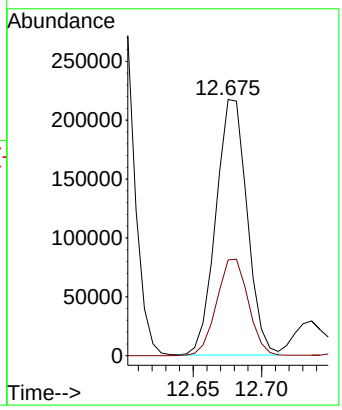




#79
2-Chlorotoluene
Concen: 20.287 ug/l
RT: 12.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 91 Resp: 34491

Ion	Ratio	Lower	Upper
91	100		
126	38.3	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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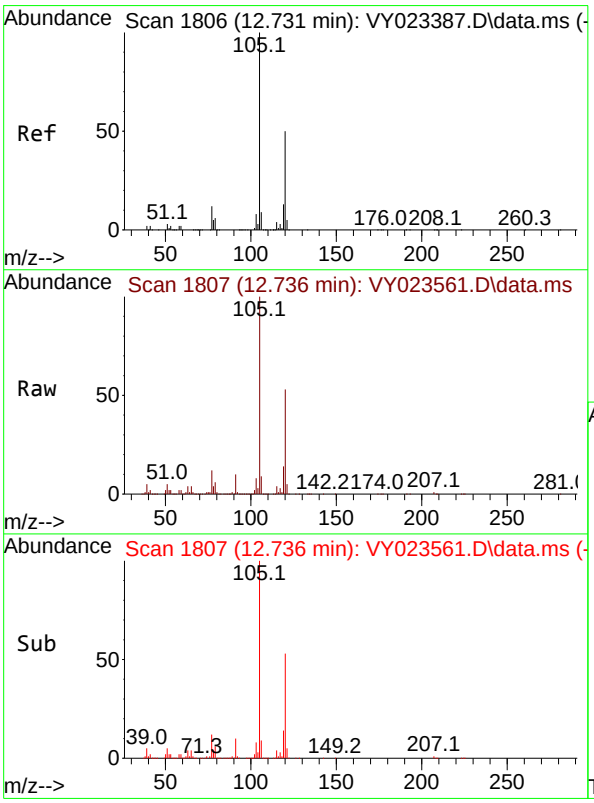
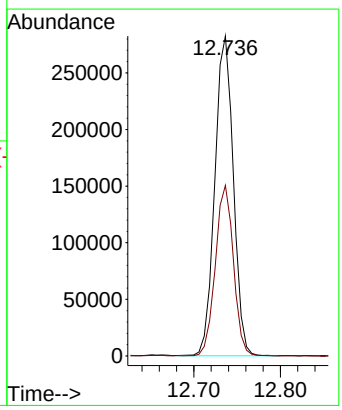
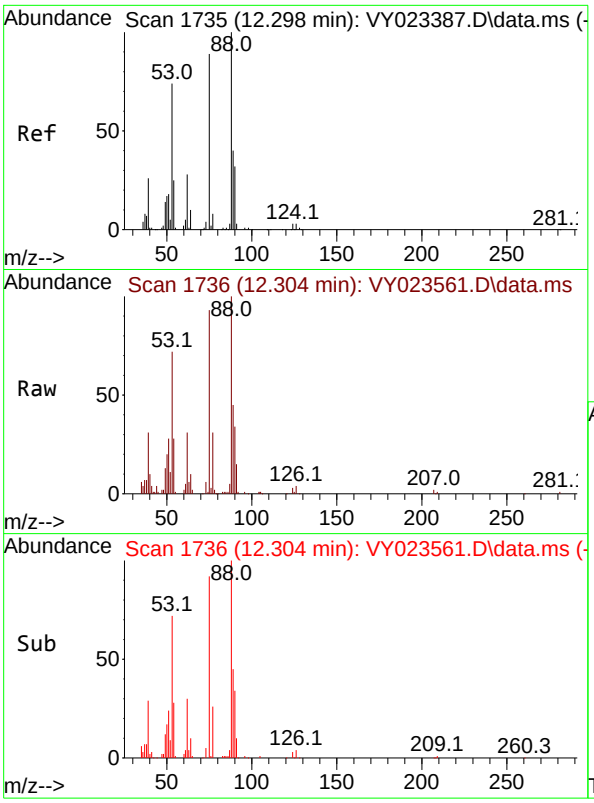


#80
1,3,5-Trimethylbenzene
Concen: 20.686 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:105 Resp: 419394

Ion	Ratio	Lower	Upper
105	100		
120	52.0	25.4	76.4

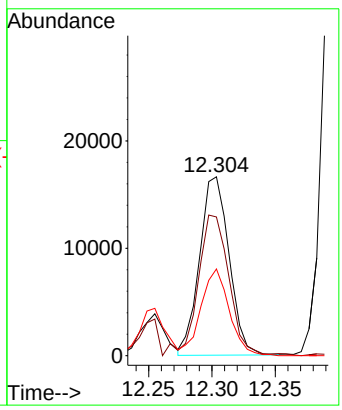




#81
trans-1,4-Dichloro-2-butene
Concen: 19.665 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 75 Resp: 2693

Ion	Ratio	Lower	Upper
75	100		
53	80.9	68.6	102.8
89	46.9	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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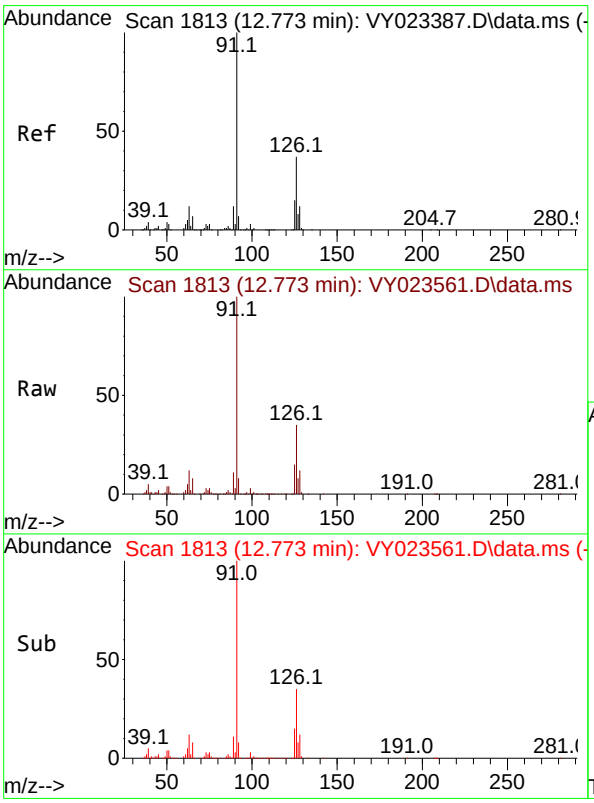
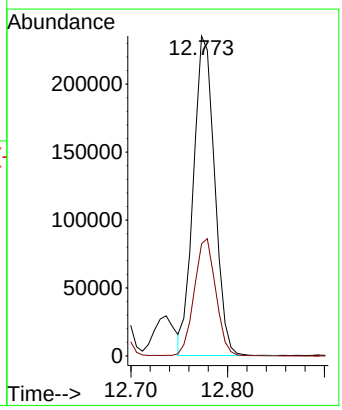
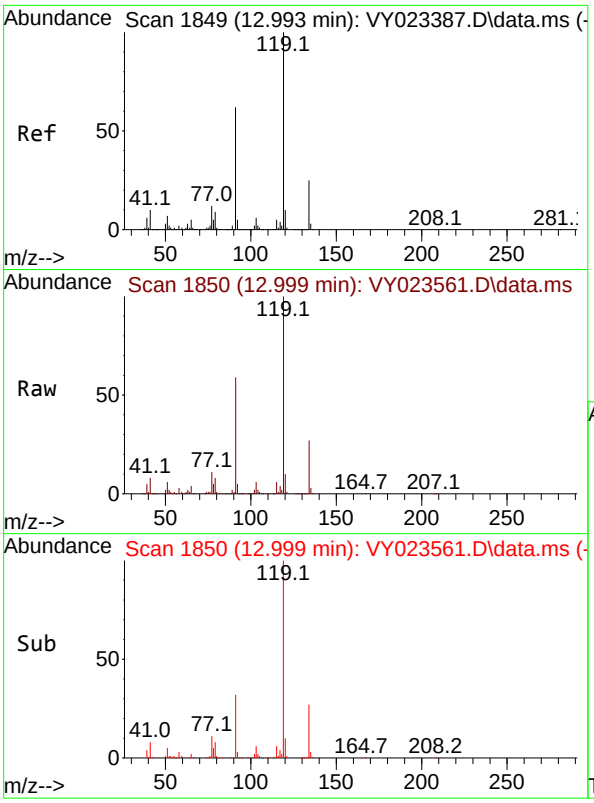


#82
4-Chlorotoluene
Concen: 20.484 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 91 Resp: 358669

Ion	Ratio	Lower	Upper
91	100		
126	37.5	18.4	55.4

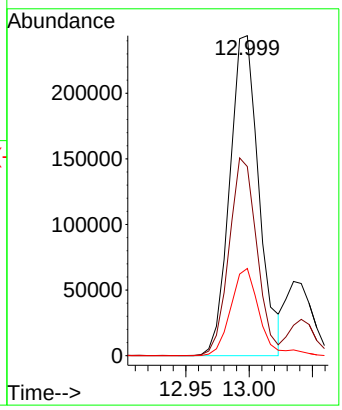




#83
tert-Butylbenzene
Concen: 20.942 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:119 Resp: 39201

Ion	Ratio	Lower	Upper
119	100		
91	58.8	29.9	89.8
134	26.9	12.9	38.7



Instrument :
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ClientSampleId :
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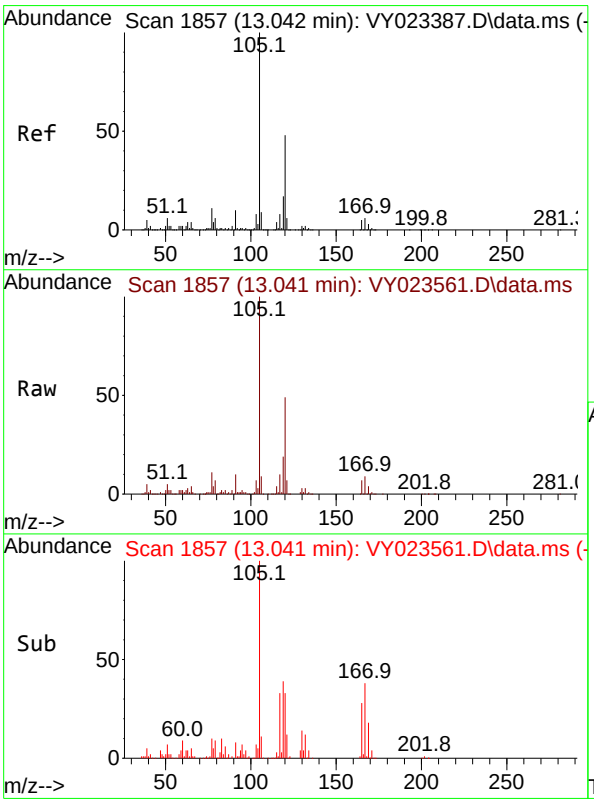
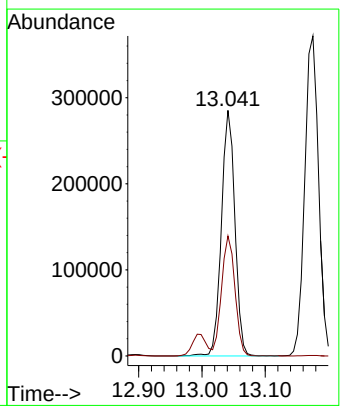
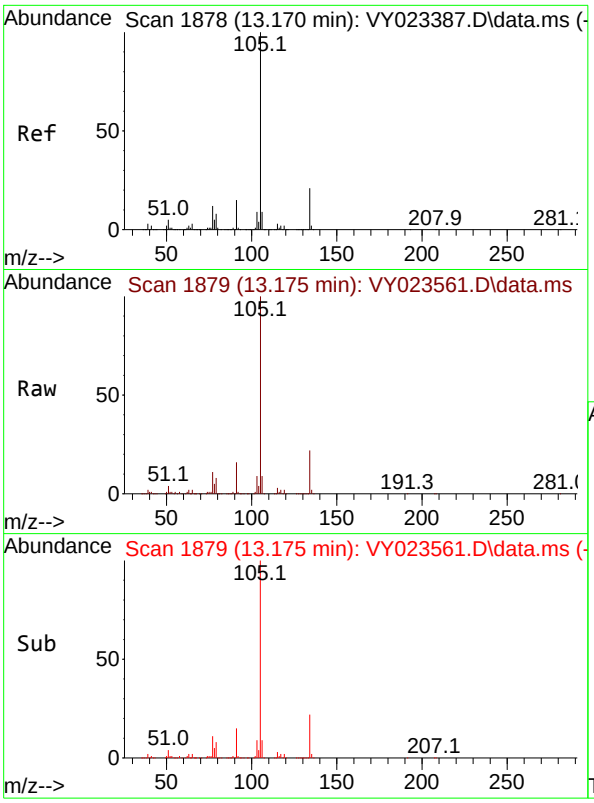


#84
1,2,4-Trimethylbenzene
Concen: 20.792 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:105 Resp: 420704

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.8	71.2

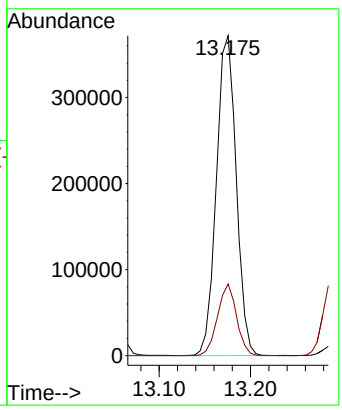




#85
sec-Butylbenzene
Concen: 20.869 ug/l
RT: 13.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:105 Resp: 56039

Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

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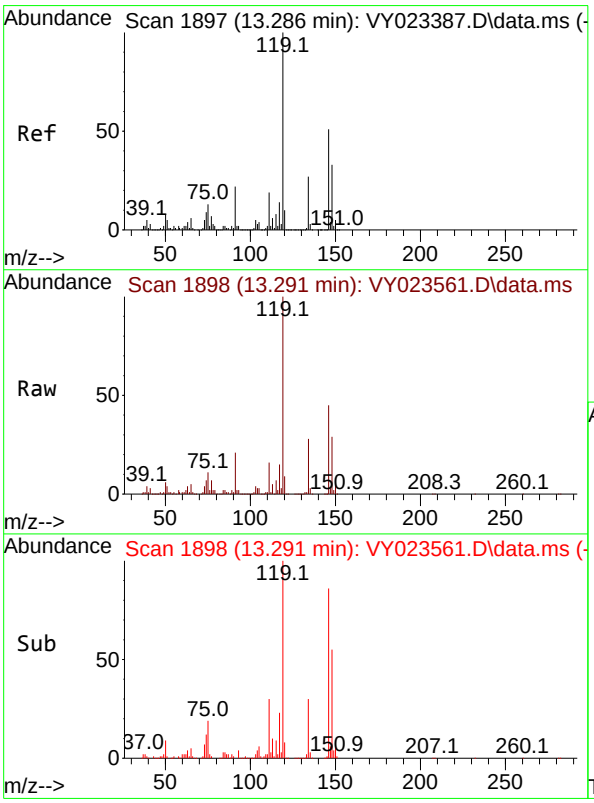
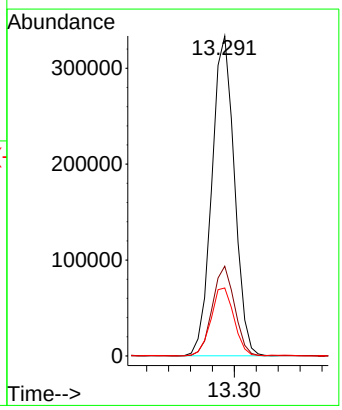
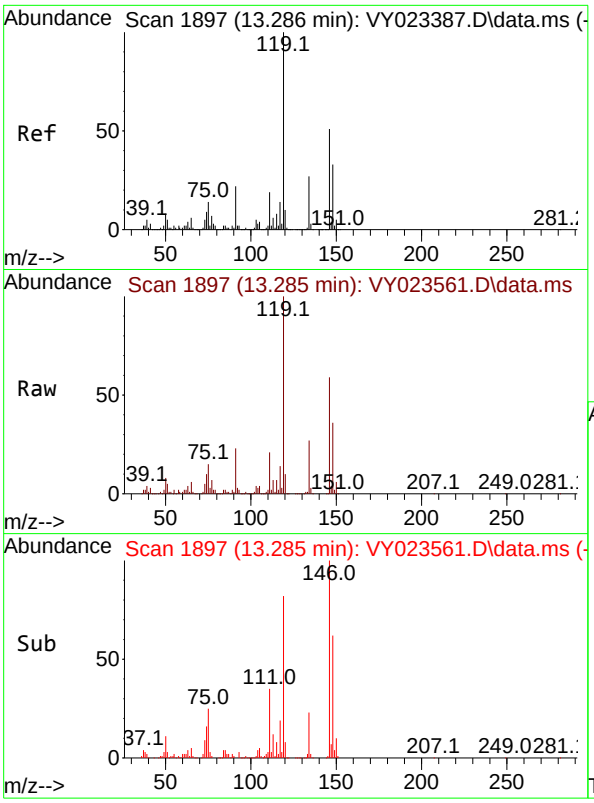


#86
p-Isopropyltoluene
Concen: 20.853 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:119 Resp: 476750

Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.6	40.7
91	21.7	10.9	32.9

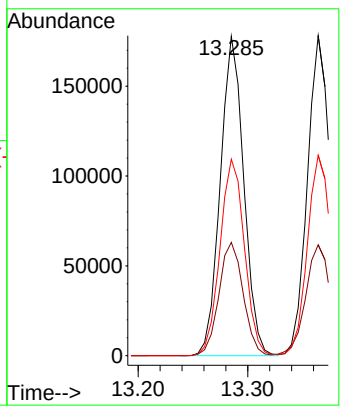




#87
1,3-Dichlorobenzene
Concen: 20.394 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:146 Resp: 26489

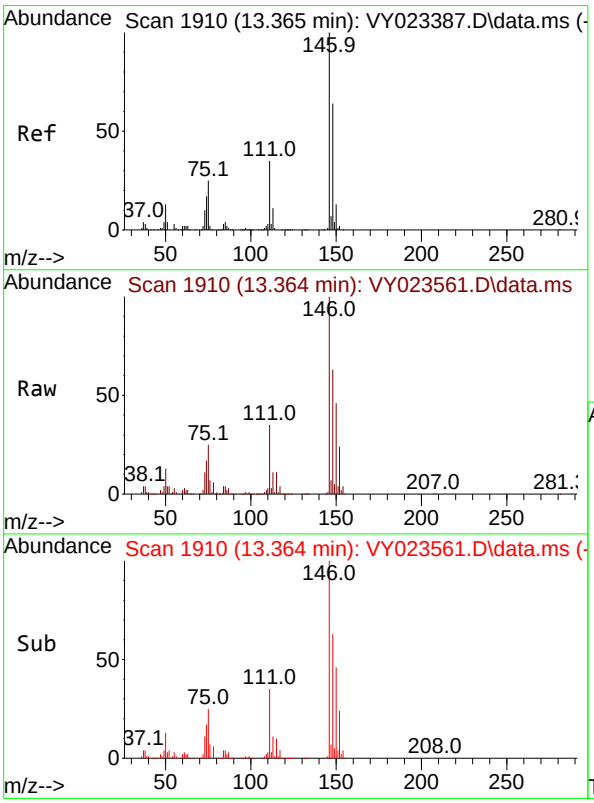
Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

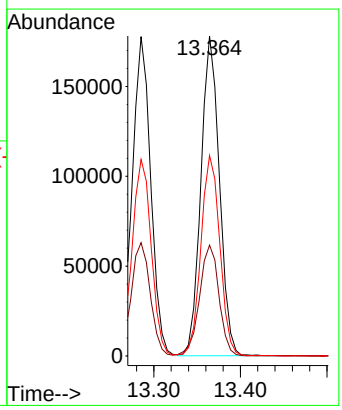
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

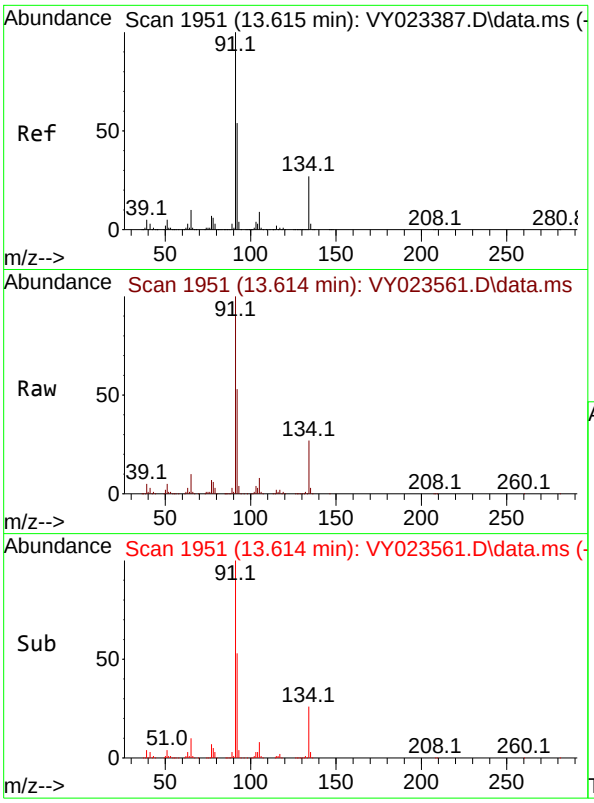


#88
1,4-Dichlorobenzene
Concen: 20.584 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:146 Resp: 264053

Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.0	54.0
148	63.9	31.9	95.7

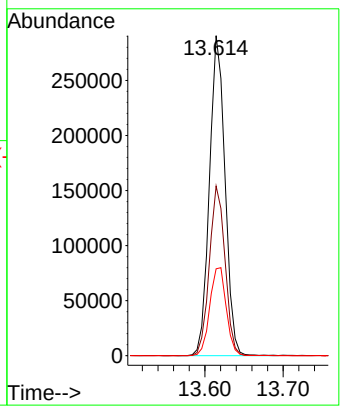




#89
n-Butylbenzene
Concen: 20.154 ug/l
RT: 13.614 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 91 Resp: 40149

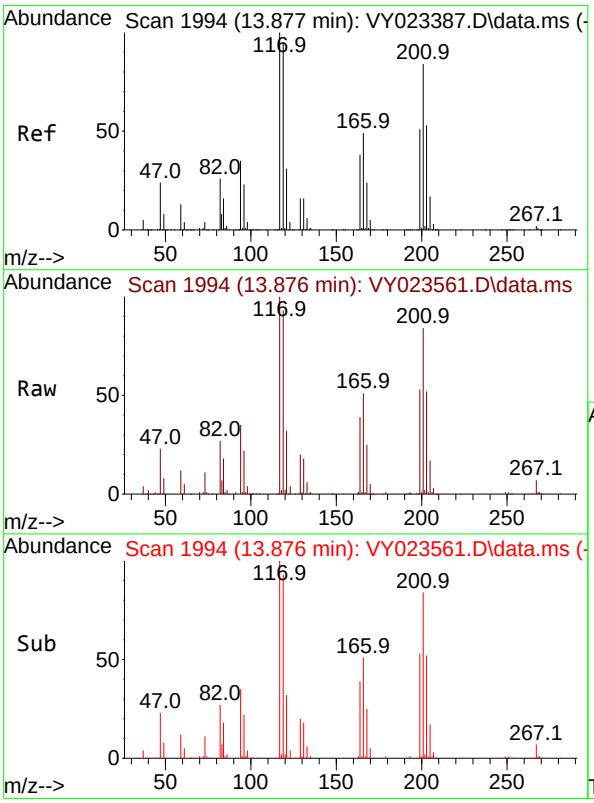
Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	29.0	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

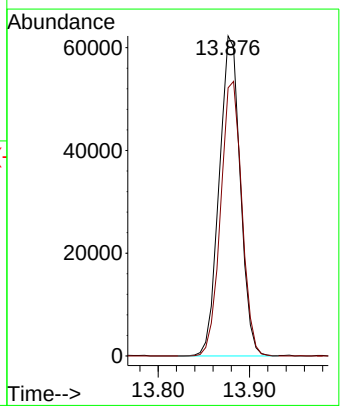
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

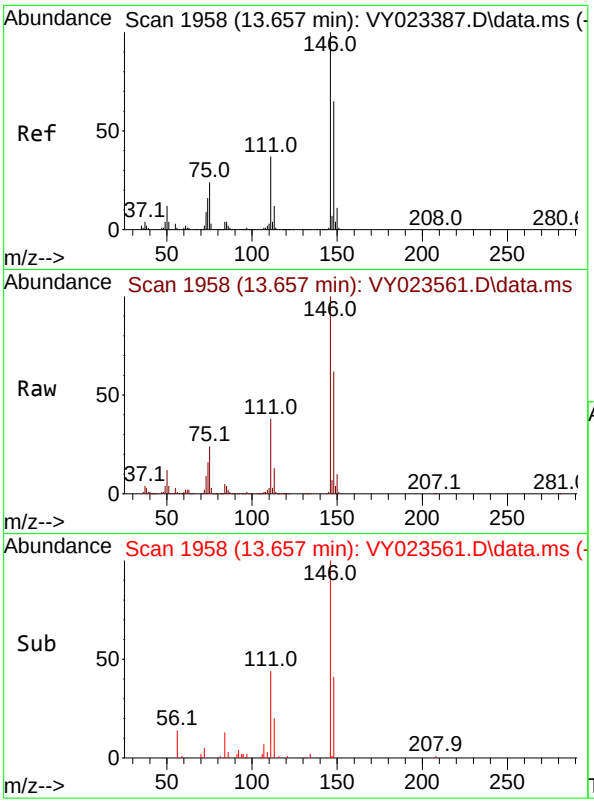


#90
Hexachloroethane
Concen: 20.324 ug/l
RT: 13.876 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:117 Resp: 99943

Ion	Ratio	Lower	Upper
117	100		
201	86.1	43.8	131.4

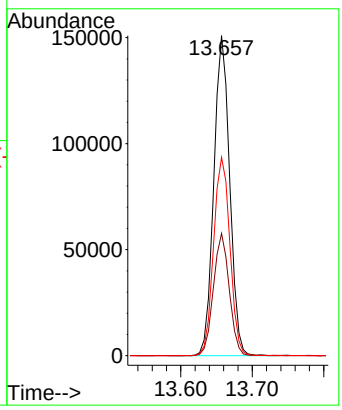




#91
1,2-Dichlorobenzene
Concen: 20.419 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:146 Resp: 23252

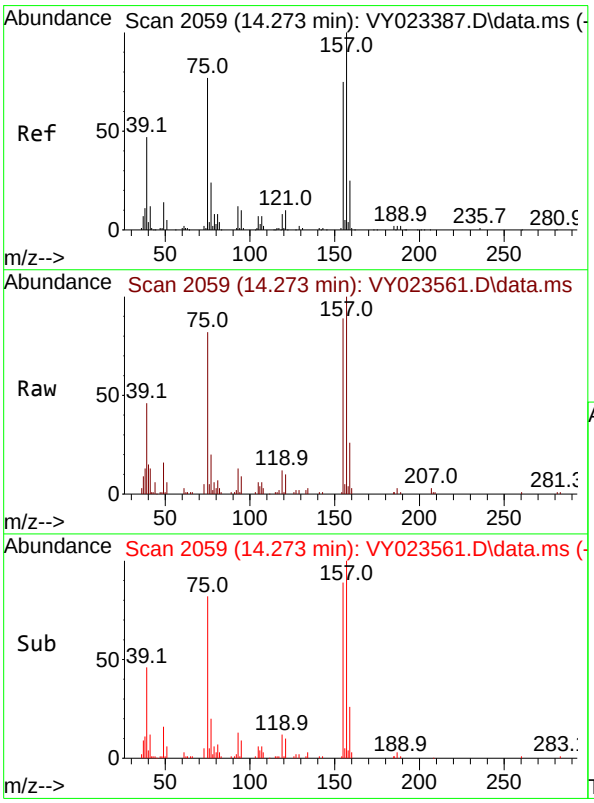
Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	63.7	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

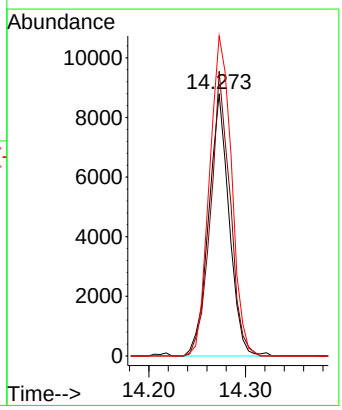
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

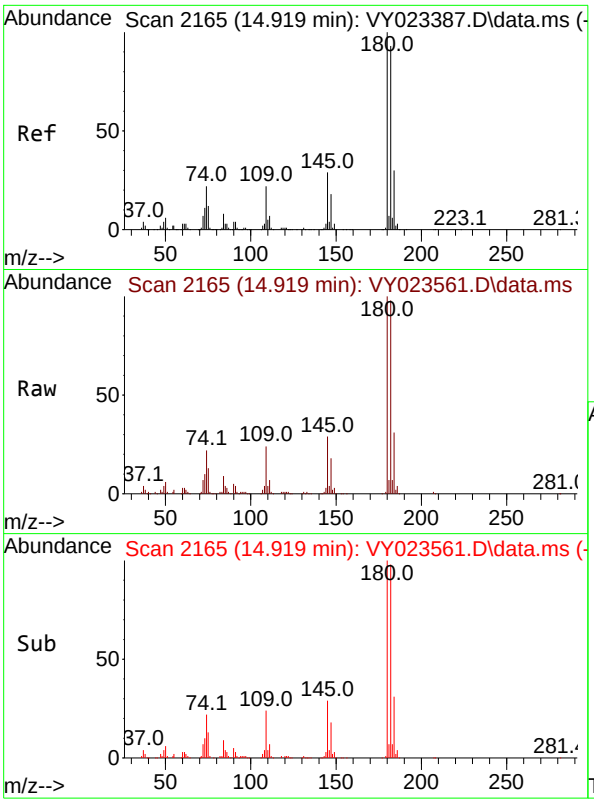


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.144 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion: 75 Resp: 12890

Ion	Ratio	Lower	Upper
75	100		
155	103.4	50.0	150.0
157	132.1	63.8	191.5

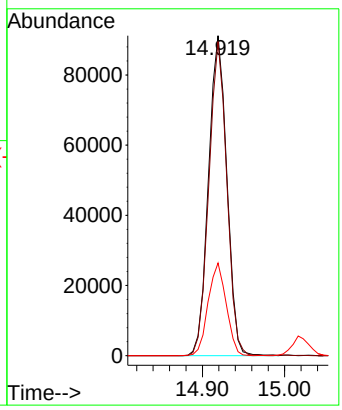




#93
1,2,4-Trichlorobenzene
Concen: 19.937 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:180 Resp: 14153

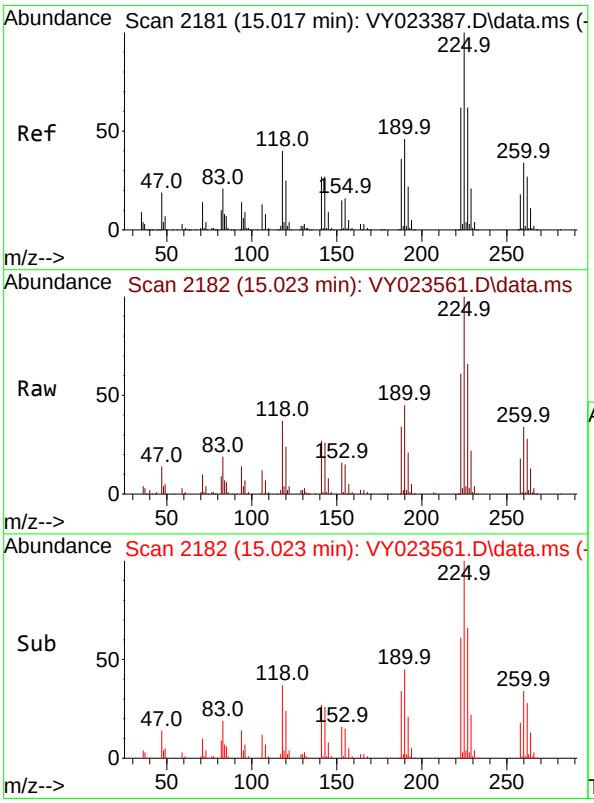
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	28.5	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

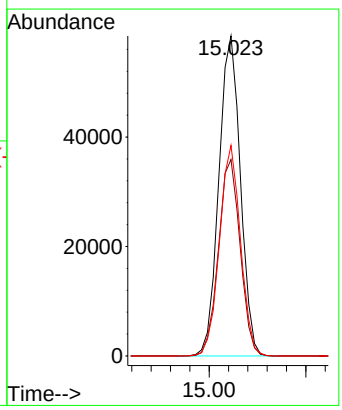
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

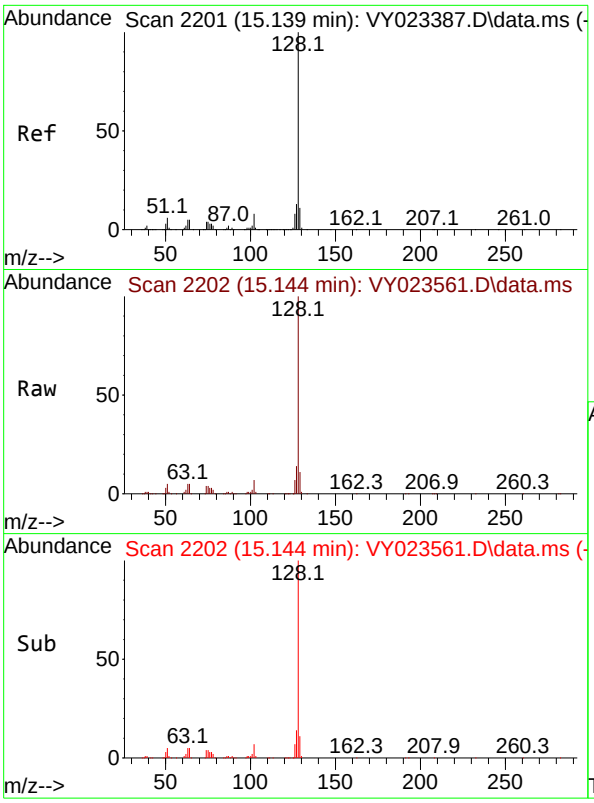


#94
Hexachlorobutadiene
Concen: 20.387 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:225 Resp: 90220

Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.8	92.3
227	64.1	31.9	95.7

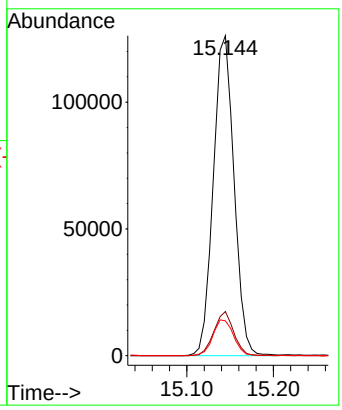




#95
Naphthalene
Concen: 18.584 ug/l
RT: 15.144 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:128 Resp: 21009

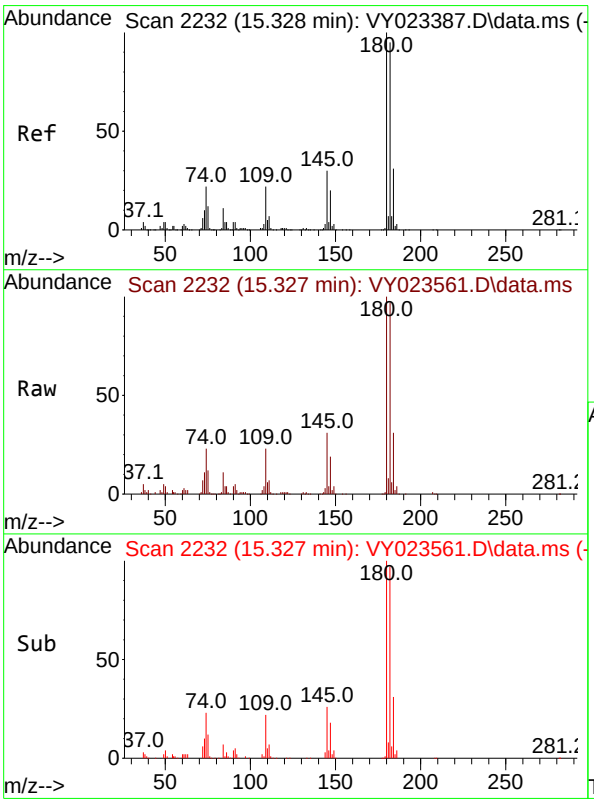
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.3	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations
APPROVED

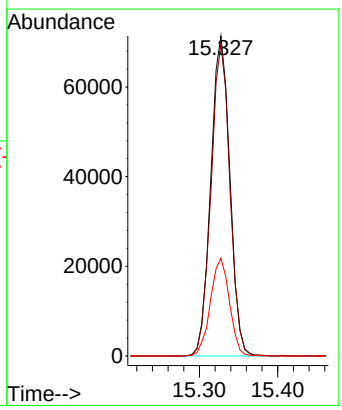
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.609 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023561.D
Acq: 24 Oct 2025 09:52

Tgt Ion:180 Resp: 120577

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.8
145	30.6	15.3	45.9



Raw Data: **VV039310.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VV1104WBSD01	SDG No.:	Q3434
Lab Sample ID:	VV1104WBSD01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	15.9		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/04/25 13:12	VV110425
75-01-4	Vinyl Chloride	16.7		1	0.26	1.00	ug/L	11/04/25 13:12	VV110425
74-83-9	Bromomethane	19.0		1	1.40	5.00	ug/L	11/04/25 13:12	VV110425
75-00-3	Chloroethane	18.6		1	0.47	1.00	ug/L	11/04/25 13:12	VV110425
75-69-4	Trichlorofluoromethane	17.3		1	0.33	1.00	ug/L	11/04/25 13:12	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
75-35-4	1,1-Dichloroethene	16.5		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
67-64-1	Acetone	89.0		1	1.50	5.00	ug/L	11/04/25 13:12	VV110425
75-15-0	Carbon Disulfide	17.0		1	0.21	1.00	ug/L	11/04/25 13:12	VV110425
1634-04-4	Methyl tert-butyl Ether	18.3		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
79-20-9	Methyl Acetate	15.7		1	0.27	1.00	ug/L	11/04/25 13:12	VV110425
75-09-2	Methylene Chloride	19.5		1	0.28	1.00	ug/L	11/04/25 13:12	VV110425
156-60-5	trans-1,2-Dichloroethene	17.0		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
75-34-3	1,1-Dichloroethane	17.3		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
110-82-7	Cyclohexane	18.1		1	1.50	5.00	ug/L	11/04/25 13:12	VV110425
78-93-3	2-Butanone	85.1		1	0.98	5.00	ug/L	11/04/25 13:12	VV110425
56-23-5	Carbon Tetrachloride	18.5		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
156-59-2	cis-1,2-Dichloroethene	19.0		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425
74-97-5	Bromochloromethane	17.6		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
67-66-3	Chloroform	17.7		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
71-55-6	1,1,1-Trichloroethane	17.9		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
108-87-2	Methylcyclohexane	17.9		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
107-06-2	1,2-Dichloroethane	18.2		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
79-01-6	Trichloroethene	19.0		1	0.090	1.00	ug/L	11/04/25 13:12	VV110425
78-87-5	1,2-Dichloropropane	18.5		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
75-27-4	Bromodichloromethane	18.5		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
108-10-1	4-Methyl-2-Pentanone	93.4		1	0.68	5.00	ug/L	11/04/25 13:12	VV110425
108-88-3	Toluene	20.0		1	0.14	1.00	ug/L	11/04/25 13:12	VV110425
10061-02-6	t-1,3-Dichloropropene	19.3		1	0.17	1.00	ug/L	11/04/25 13:12	VV110425
10061-01-5	cis-1,3-Dichloropropene	19.6		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
79-00-5	1,1,2-Trichloroethane	18.8		1	0.21	1.00	ug/L	11/04/25 13:12	VV110425
591-78-6	2-Hexanone	91.1		1	0.89	5.00	ug/L	11/04/25 13:12	VV110425
124-48-1	Dibromochloromethane	18.7		1	0.18	1.00	ug/L	11/04/25 13:12	VV110425
106-93-4	1,2-Dibromoethane	18.9		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
127-18-4	Tetrachloroethene	19.0		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
108-90-7	Chlorobenzene	18.7		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
100-41-4	Ethyl Benzene	19.0		1	0.13	1.00	ug/L	11/04/25 13:12	VV110425
179601-23-1	m/p-Xylenes	40.2		1	0.24	2.00	ug/L	11/04/25 13:12	VV110425
95-47-6	o-Xylene	19.3		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
100-42-5	Styrene	20.2		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
75-25-2	Bromoform	18.8		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425

Raw Data: **VV039310.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VV1104WBSD01	SDG No.:	Q3434
Lab Sample ID:	VV1104WBSD01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.3		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	16.6		1	0.26	1.00	ug/L	11/04/25 13:12	VV110425
541-73-1	1,3-Dichlorobenzene	19.1		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
106-46-7	1,4-Dichlorobenzene	18.0		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	15.9		1	0.53	1.00	ug/L	11/04/25 13:12	VV110425
120-82-1	1,2,4-Trichlorobenzene	18.1		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
87-61-6	1,2,3-Trichlorobenzene	18.0		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.2			74 - 125	100%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.2			75 - 124	100%	SPK: 50		
2037-26-5	Toluene-d8	52.5			86 - 113	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.5			77 - 121	107%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	706000							
540-36-3	1,4-Difluorobenzene	1110000							
3114-55-4	Chlorobenzene-d5	1080000							
3855-82-1	1,4-Dichlorobenzene-d4	618000							

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_V\DATA\VV110425\
Data File : VV039310.D
Acq On : 04 Nov 2025 13:12
Operator : SY/MD
Sample : VV1104WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.596	168	706395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1110419	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1079972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	618050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	504363	50.248	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 100.500%			
35) Dibromofluoromethane	4.500	113	439127	50.190	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.380%			
50) Toluene-d8	7.233	98	1562786	52.505	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 105.000%			
62) 4-Bromofluorobenzene	9.998	95	566888	53.478	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 106.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	142292	15.937	ug/l	99
3) Chloromethane	1.230	50	163201	17.557	ug/l	99
4) Vinyl Chloride	1.298	62	177522	16.740	ug/l	99
5) Bromomethane	1.500	94	130712	18.997	ug/l	96
6) Chloroethane	1.561	64	117164	18.599	ug/l	100
7) Trichlorofluoromethane	1.728	101	280464	17.312	ug/l	100
8) Diethyl Ether	1.918	74	101974	17.418	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	171938	17.724	ug/l	100
10) Methyl Iodide	2.198	142	177632	21.253	ug/l	100
11) Tert butyl alcohol	2.568	59	114504	58.864	ug/l	99
12) 1,1-Dichloroethene	2.082	96	157485	16.534	ug/l	99
13) Acrolein	2.011	56	45929	34.858	ug/l	96
14) Allyl chloride	2.359	41	255924	16.950	ug/l	99
15) Acrylonitrile	2.674	53	474435	82.243	ug/l	99
16) Acetone	2.117	43	446179	89.035	ug/l	99
17) Carbon Disulfide	2.252	76	457002	16.987	ug/l	100
18) Methyl Acetate	2.381	43	204155	15.696	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	525437	18.328	ug/l	100
20) Methylene Chloride	2.458	84	185551	19.477	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	170629	17.014	ug/l	98
22) Diisopropyl ether	3.214	45	516923	19.068	ug/l #	73
23) Vinyl Acetate	3.191	43	2240706	94.151	ug/l	100
24) 1,1-Dichloroethane	3.121	63	314272	17.304	ug/l	98
25) 2-Butanone	3.870	43	522681	85.148	ug/l	98
26) 2,2-Dichloropropane	3.812	77	263373	18.005	ug/l	100
27) cis-1,2-Dichloroethene	3.825	96	190586	18.980	ug/l	98
28) Bromochloromethane	4.146	49	136004	17.565	ug/l	100
29) Tetrahydrofuran	4.240	42	329172	83.868	ug/l	99
30) Chloroform	4.278	83	326914	17.651	ug/l	99
31) Cyclohexane	4.584	56	239964	18.140	ug/l	95
32) 1,1,1-Trichloroethane	4.513	97	290407	17.934	ug/l	99
36) 1,1-Dichloropropene	4.744	75	202551	18.432	ug/l	99
37) Ethyl Acetate	3.982	43	216252	16.809	ug/l	96
38) Carbon Tetrachloride	4.735	117	247835	18.511	ug/l	99
39) Methylcyclohexane	6.047	83	225379	17.945	ug/l	95
40) Benzene	5.011	78	664122	18.834	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039310.D
Acq On : 04 Nov 2025 13:12
Operator : SY/MD
Sample : VV1104WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.162	41	89193	17.353	ug/l		96
42) 1,2-Dichloroethane	5.040	62	224904	18.173	ug/l		99
43) Isopropyl Acetate	5.194	43	311494	18.494	ug/l		100
44) Trichloroethene	5.831	130	168787	19.034	ug/l		96
45) 1,2-Dichloropropane	6.088	63	158585	18.482	ug/l		99
46) Dibromomethane	6.227	93	129164	18.009	ug/l		97
47) Bromodichloromethane	6.426	83	261312	18.491	ug/l		99
48) Methyl methacrylate	6.301	41	131960	16.912	ug/l		97
49) 1,4-Dioxane	6.297	88	25908	199.594	ug/l		96
51) 4-Methyl-2-Pentanone	7.146	43	1091455	93.404	ug/l		98
52) Toluene	7.310	92	425923	20.005	ug/l		98
53) t-1,3-Dichloropropene	7.574	75	238584	19.318	ug/l		99
54) cis-1,3-Dichloropropene	6.950	75	268605	19.562	ug/l		100
55) 1,1,2-Trichloroethane	7.760	97	181167	18.844	ug/l		98
56) Ethyl methacrylate	7.715	69	208906	19.180	ug/l		99
57) 1,3-Dichloropropane	7.934	76	282261	19.456	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.812	63	610540	97.962	ug/l		100
59) 2-Hexanone	8.063	43	781191	91.062	ug/l		98
60) Dibromochloromethane	8.165	129	209660	18.652	ug/l		99
61) 1,2-Dibromoethane	8.275	107	189522	18.932	ug/l		100
64) Tetrachloroethene	7.895	164	149728	19.006	ug/l		98
65) Chlorobenzene	8.802	112	477053	18.659	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.899	131	173236	18.090	ug/l		100
67) Ethyl Benzene	8.937	91	714598	18.975	ug/l		99
68) m/p-Xylenes	9.063	106	599953	40.166	ug/l		99
69) o-Xylene	9.468	106	255191	19.346	ug/l		99
70) Styrene	9.487	104	473582	20.178	ug/l		100
71) Bromoform	9.654	173	145493	18.787	ug/l	#	99
73) Isopropylbenzene	9.853	105	726176	19.349	ug/l		100
74) N-amyl acetate	9.725	43	262340	16.964	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.165	83	285417	16.560	ug/l		100
76) 1,2,3-Trichloropropane	10.198	75	208431	16.897	ug/l		98
77) Bromobenzene	10.140	156	194441	18.846	ug/l		99
78) n-propylbenzene	10.278	91	873113	19.173	ug/l		100
79) 2-Chlorotoluene	10.345	91	548766	19.518	ug/l		100
80) 1,3,5-Trimethylbenzene	10.464	105	628719	19.974	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.927	75	86319	17.672	ug/l		99
82) 4-Chlorotoluene	10.461	91	635854	19.676	ug/l		100
83) tert-Butylbenzene	10.789	119	565360	18.088	ug/l		98
84) 1,2,4-Trimethylbenzene	10.841	105	604279	19.501	ug/l		99
85) sec-Butylbenzene	11.011	105	730091	18.475	ug/l		99
86) p-Isopropyltoluene	11.165	119	623275	18.344	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	392721	19.084	ug/l		98
88) 1,4-Dichlorobenzene	11.197	146	413908	17.972	ug/l		99
89) n-Butylbenzene	11.580	91	544830	17.219	ug/l		99
90) Hexachloroethane	11.818	117	137751	16.396	ug/l		99
91) 1,2-Dichlorobenzene	11.567	146	355117	18.140	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	56405	15.916	ug/l		95
93) 1,2,4-Trichlorobenzene	13.185	180	198152	18.149	ug/l		99
94) Hexachlorobutadiene	13.368	225	79422	14.366	ug/l		98
95) Naphthalene	13.422	128	609877	17.050	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	203858	17.965	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039310.D
Acq On : 04 Nov 2025 13:12
Operator : SY/MD
Sample : VV1104WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

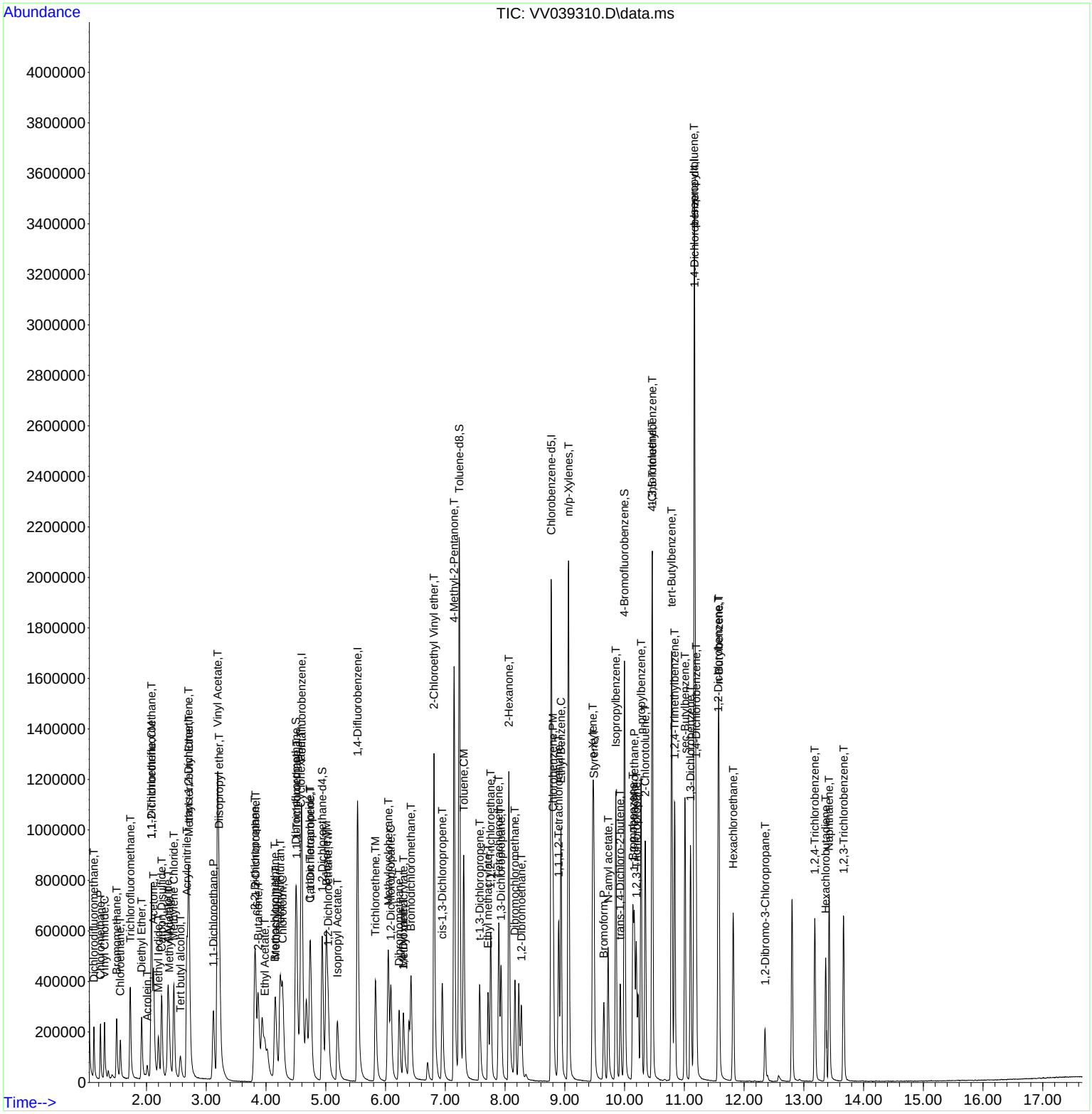
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

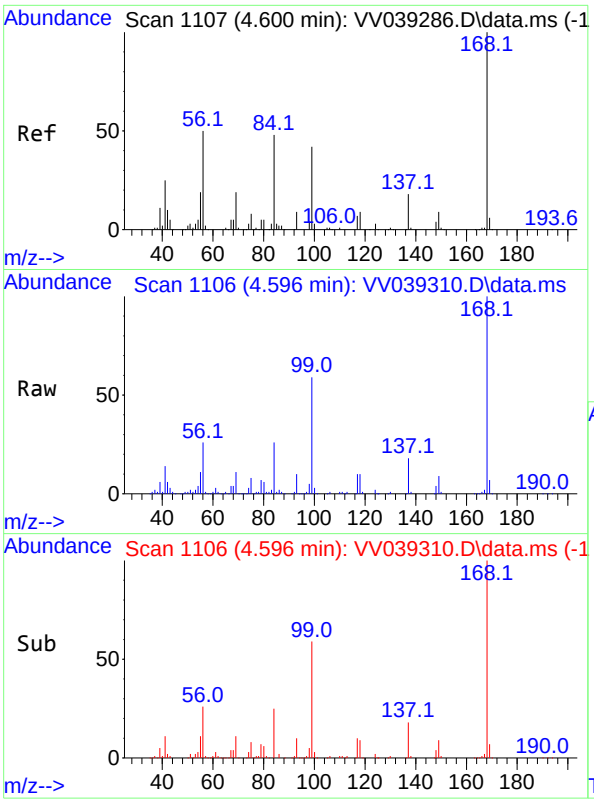
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039310.D
Acq On : 04 Nov 2025 13:12
Operator : SY/MD
Sample : VV1104WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



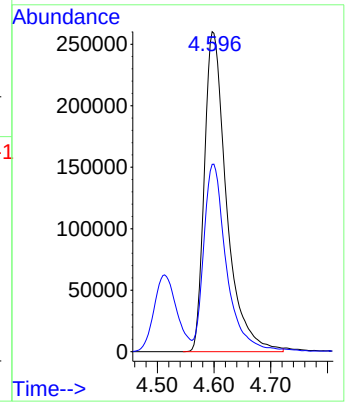


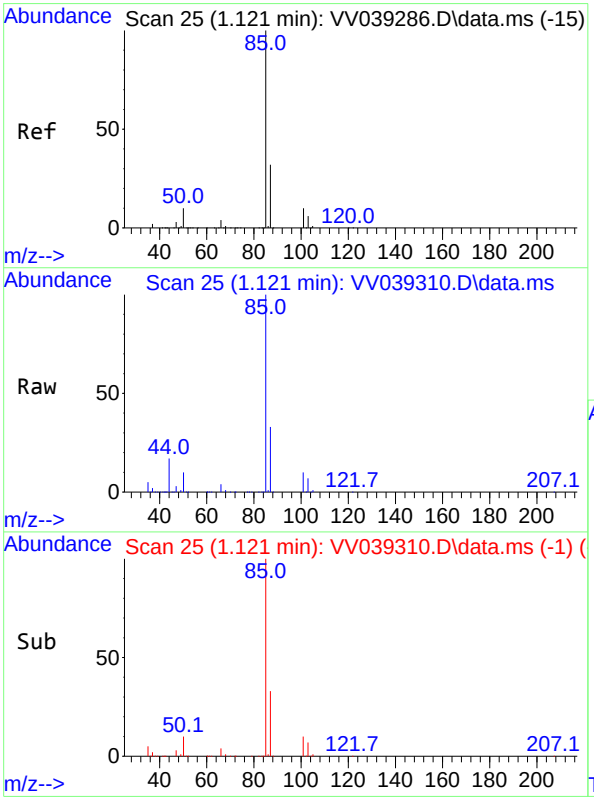
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 11
Delta R.T. -0.004 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:168 Resp: 706395

Ion	Ratio	Lower	Upper
168	100		
99	57.7	46.6	70.0

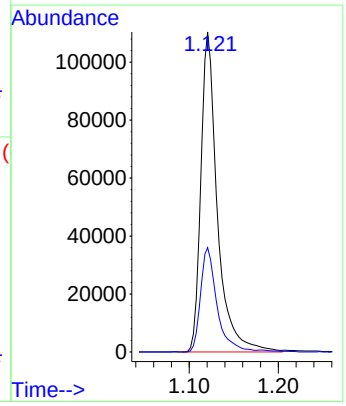


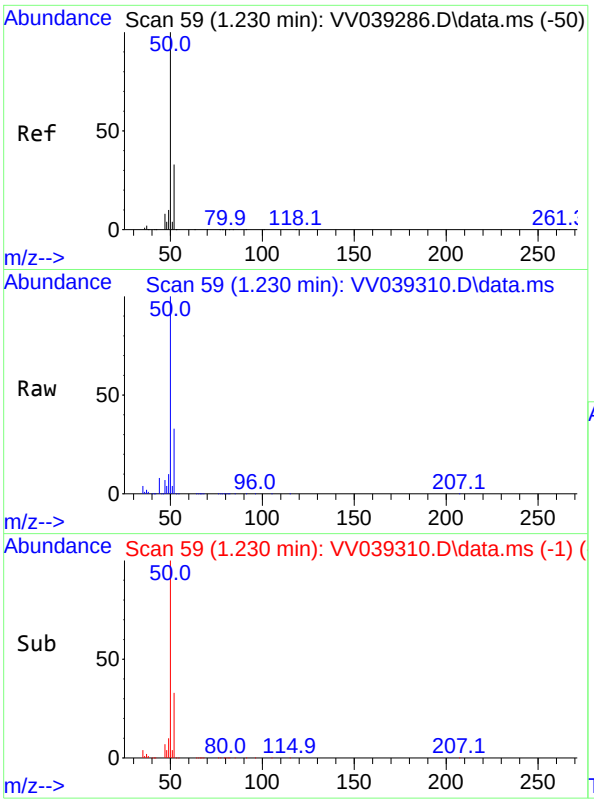


#2
Dichlorodifluoromethane
Concen: 15.937 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 85 Resp: 142292

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.1	48.2



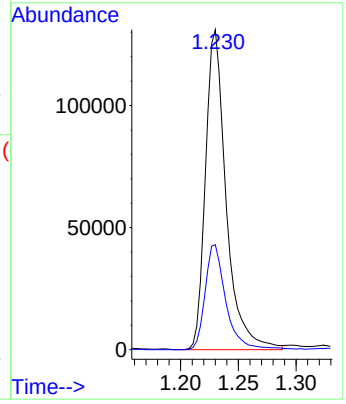


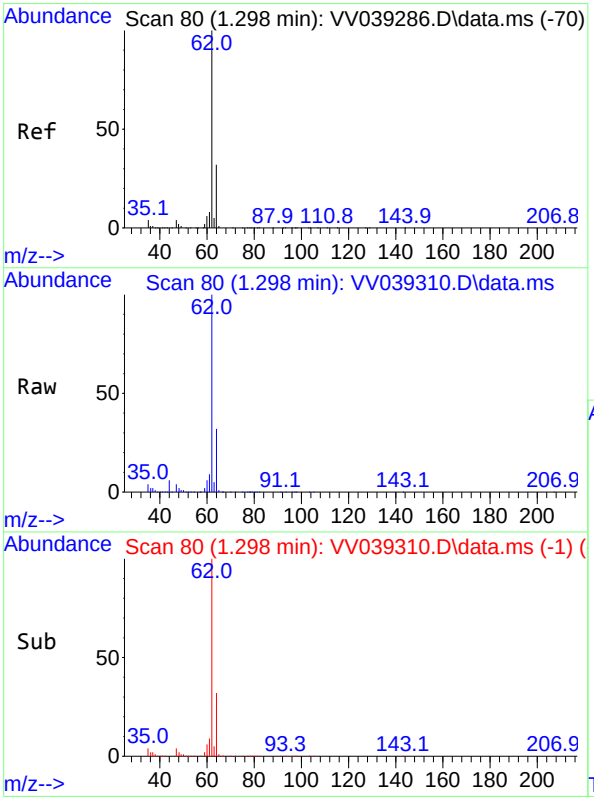
#3
Chloromethane
Concen: 17.557 ug/l
RT: 1.230 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 50 Resp: 163201

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.6	39.8

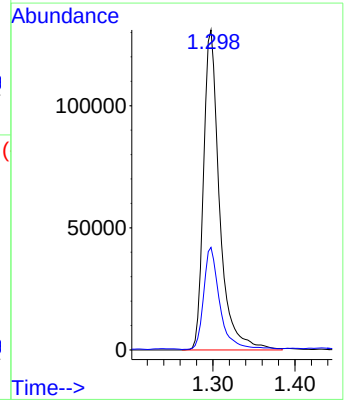


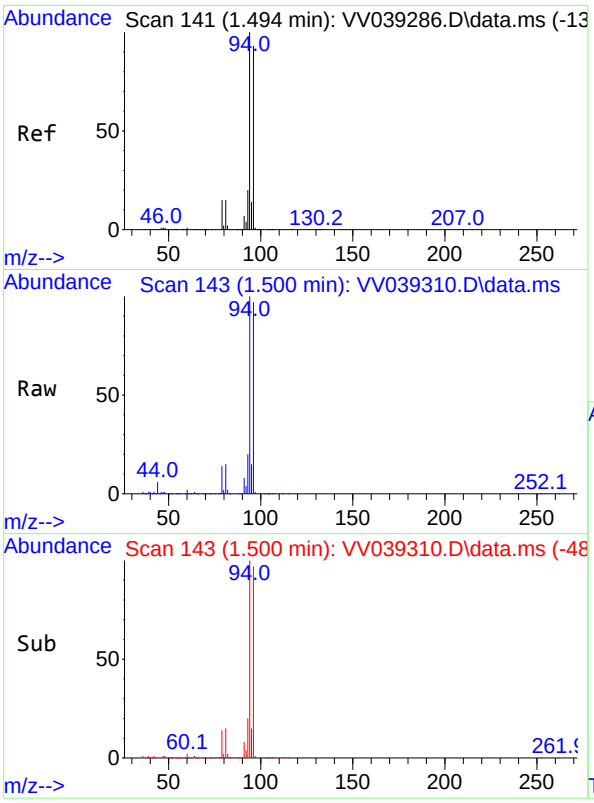


#4
Vinyl Chloride
Concen: 16.740 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 62 Resp: 177522

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.8	38.6



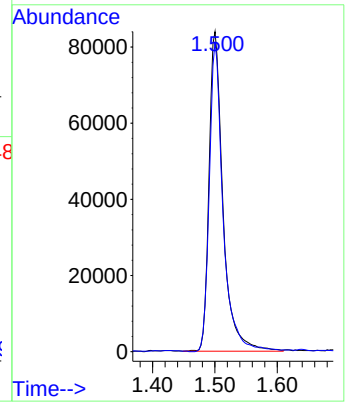


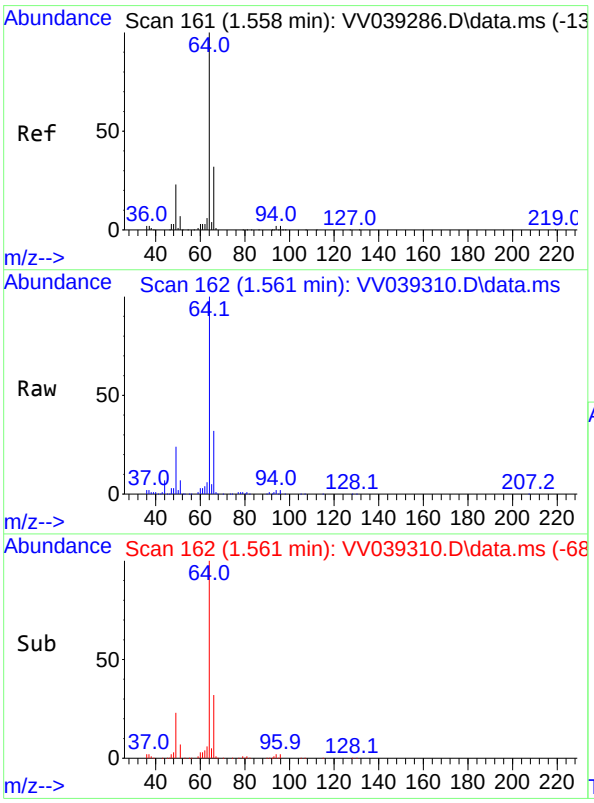
#5
Bromomethane
Concen: 18.997 ug/l
RT: 1.500 min Scan# 14
Delta R.T. 0.006 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 94 Resp: 130712

Ion	Ratio	Lower	Upper
94	100		
96	96.7	74.2	111.2

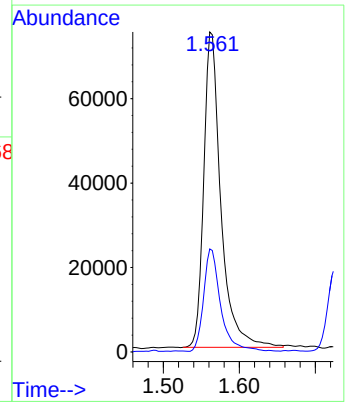


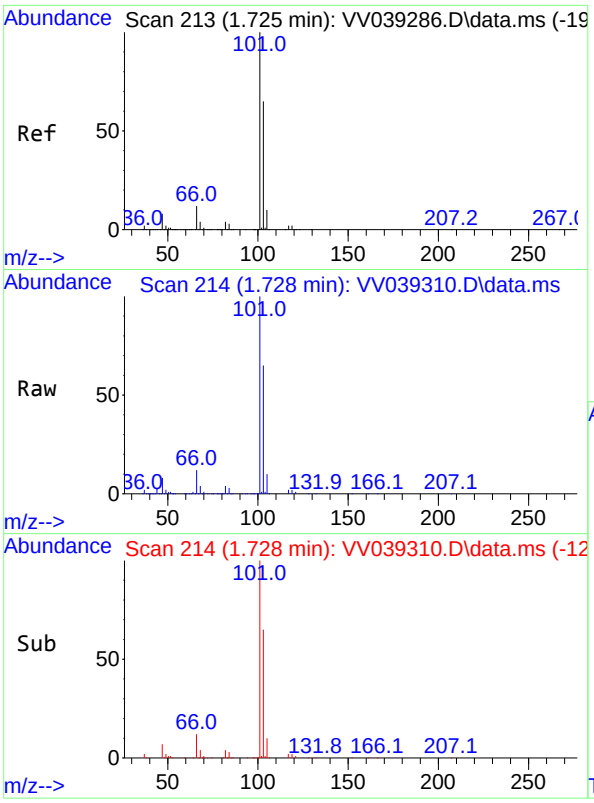


#6
Chloroethane
Concen: 18.599 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 64 Resp: 117164

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.7	38.5



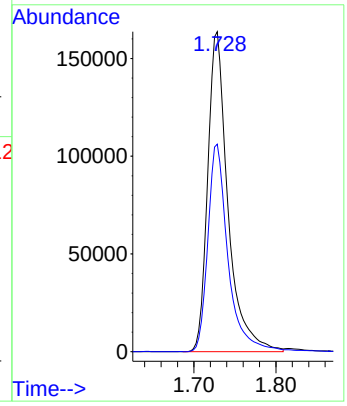


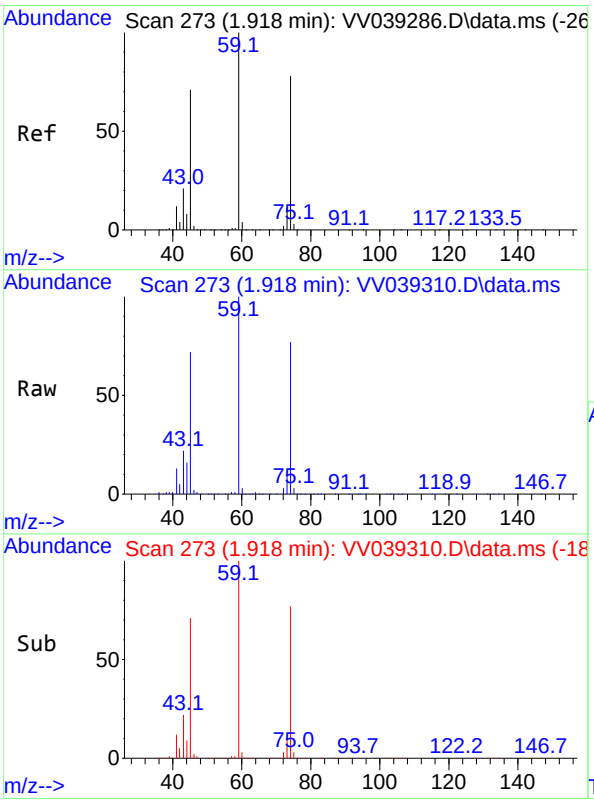
#7
Trichlorofluoromethane
Concen: 17.312 ug/l
RT: 1.728 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:101 Resp: 280464

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.0	78.0

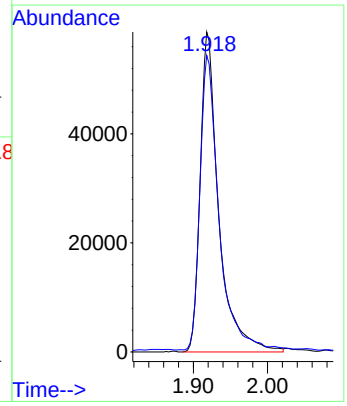


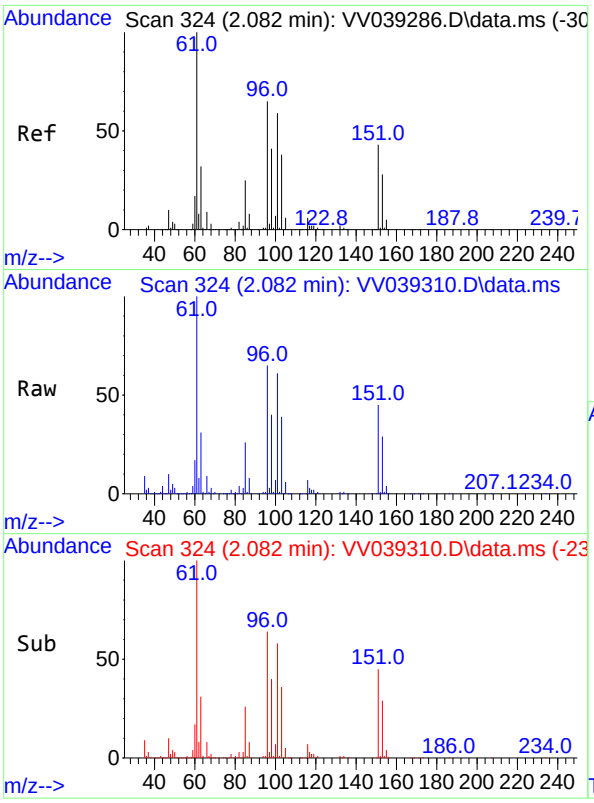


#8
Diethyl Ether
Concen: 17.418 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 74 Resp: 101974

Ion	Ratio	Lower	Upper
74	100		
45	93.5	45.9	137.7



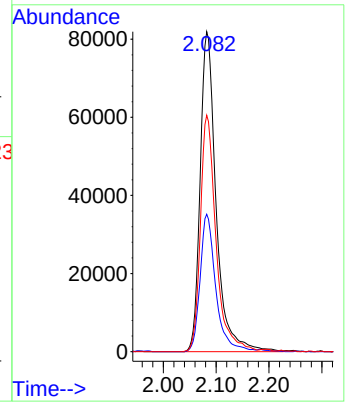


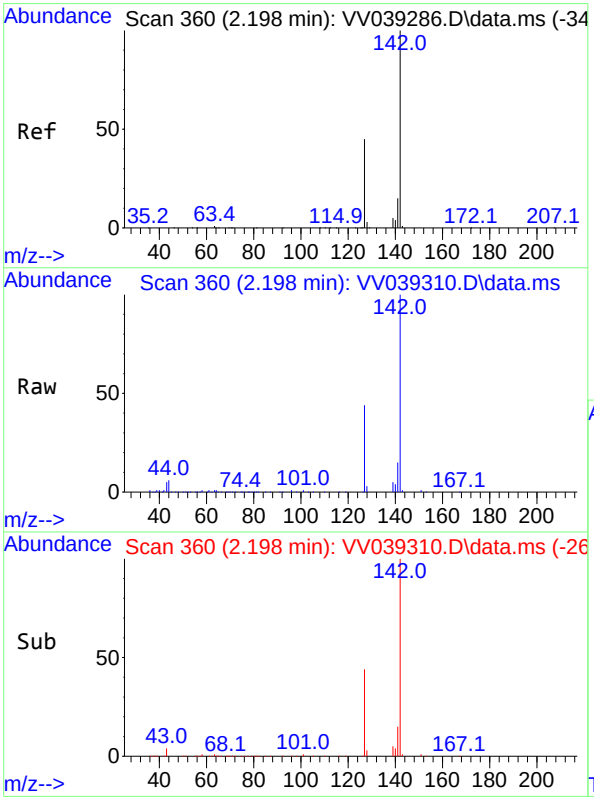
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.724 ug/l
RT: 2.082 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:101 Resp: 171938

Ion	Ratio	Lower	Upper
101	100		
85	42.3	34.0	51.0
151	72.7	58.5	87.7

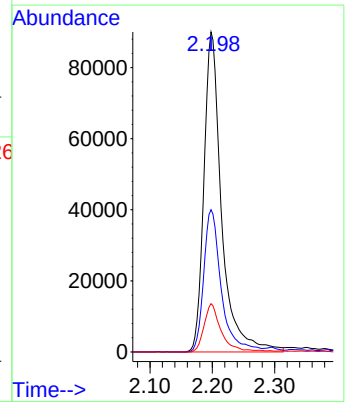


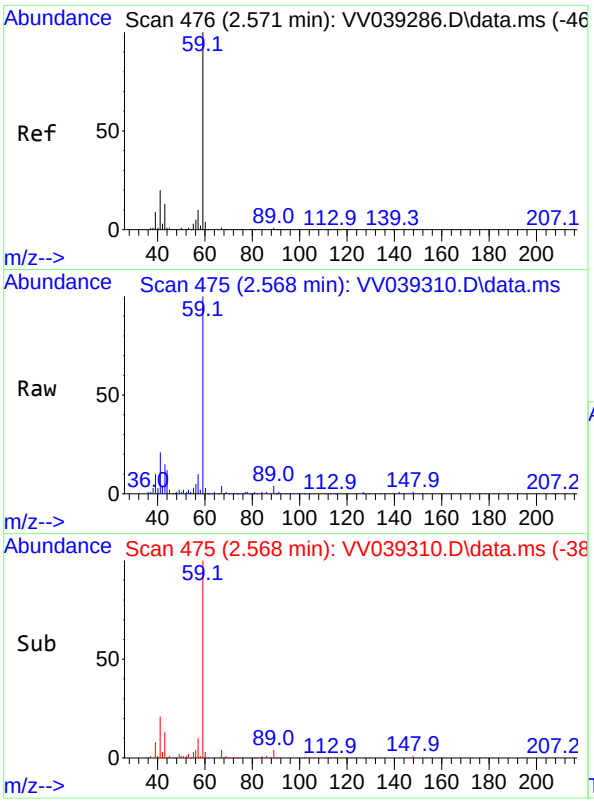


#10
Methyl Iodide
Concen: 21.253 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:142 Resp: 177632

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.5	53.3
141	14.1	11.5	17.3



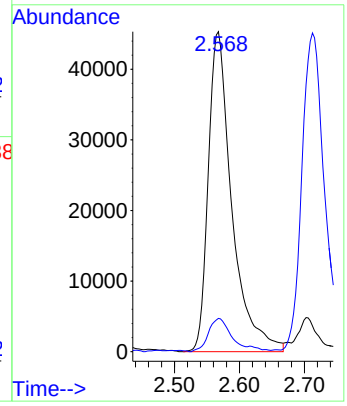


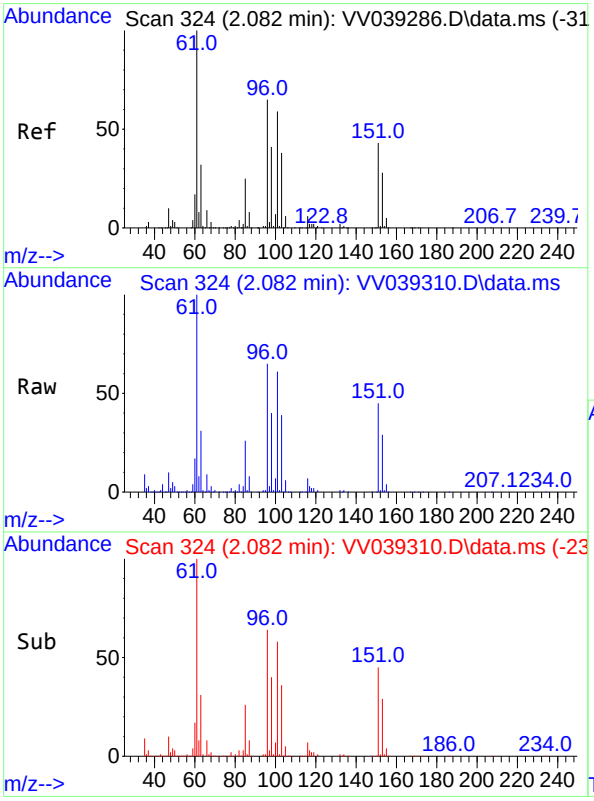
#11
Tert butyl alcohol
Concen: 58.864 ug/l
RT: 2.568 min Scan# 4
Delta R.T. -0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 59 Resp: 114504

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.1	12.1

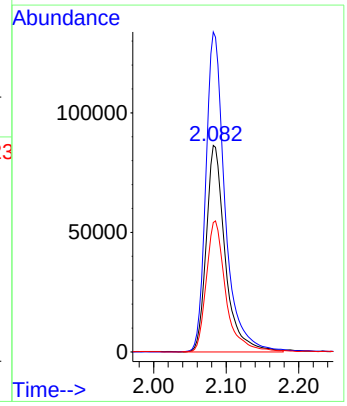


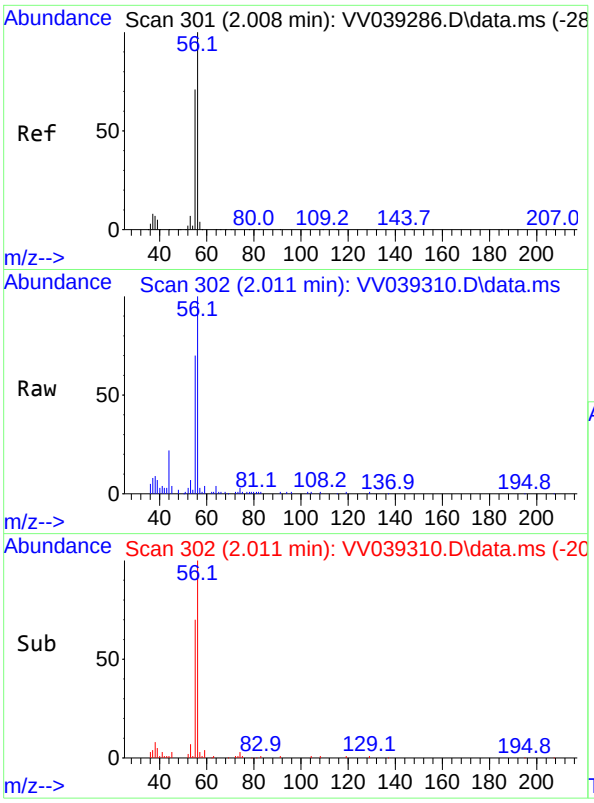


#12
1,1-Dichloroethene
Concen: 16.534 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 96 Resp: 157485

Ion	Ratio	Lower	Upper
96	100		
61	154.8	123.6	185.4
98	62.5	51.1	76.7



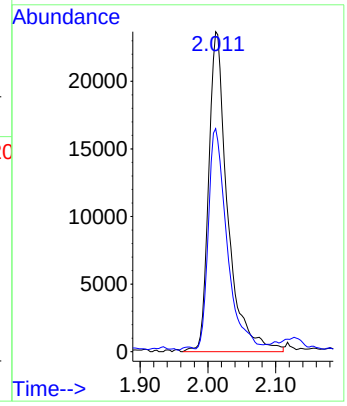


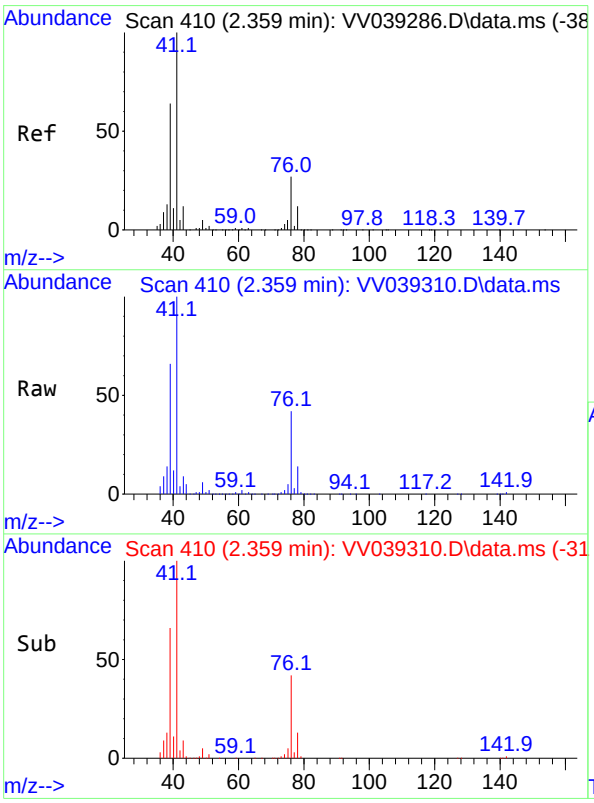
#13
Acrolein
Concen: 34.858 ug/l
RT: 2.011 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 56 Resp: 45929

Ion	Ratio	Lower	Upper
56	100		
55	67.3	56.2	84.4

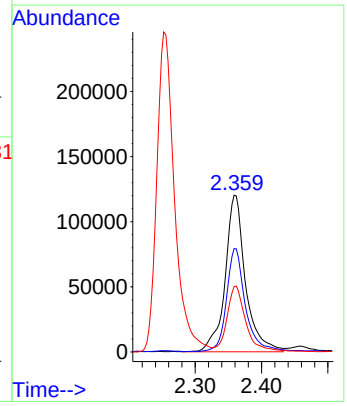


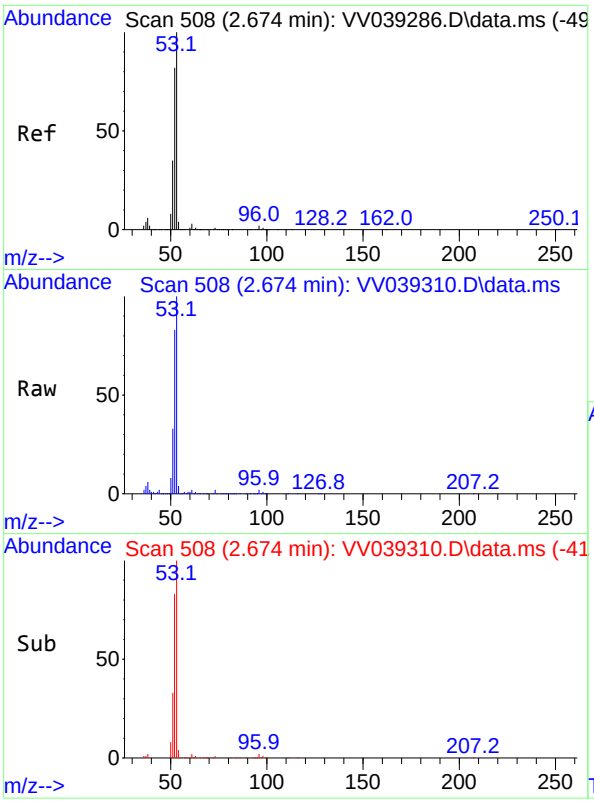


#14
Allyl chloride
Concen: 16.950 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 41 Resp: 255924

Ion	Ratio	Lower	Upper
41	100		
39	60.7	47.8	71.6
76	38.7	30.2	45.2



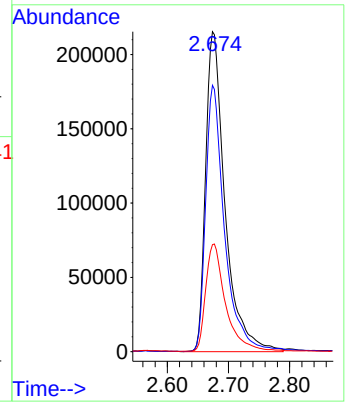


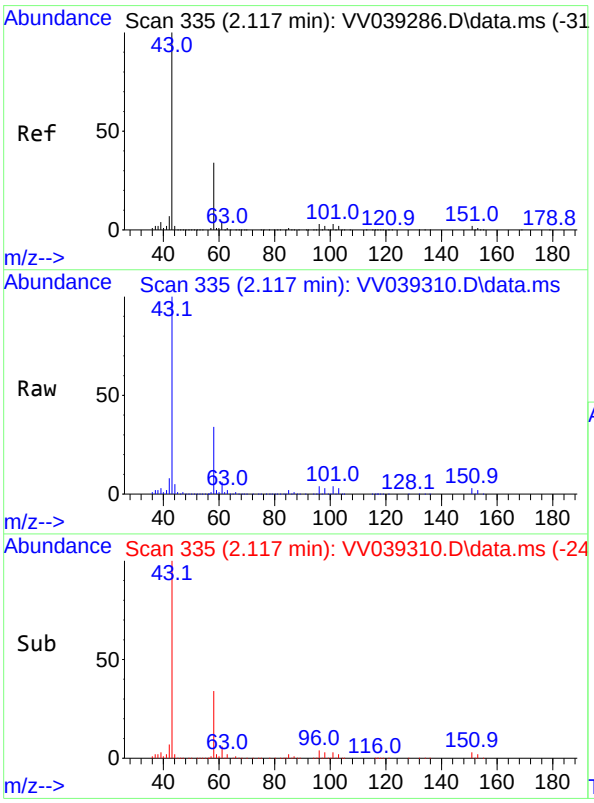
#15
Acrylonitrile
Concen: 82.243 ug/l
RT: 2.674 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 53 Resp: 474435

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.0	97.6
51	34.4	27.9	41.9

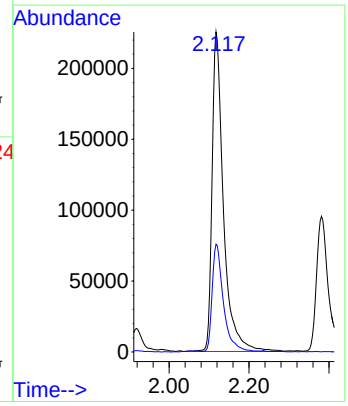


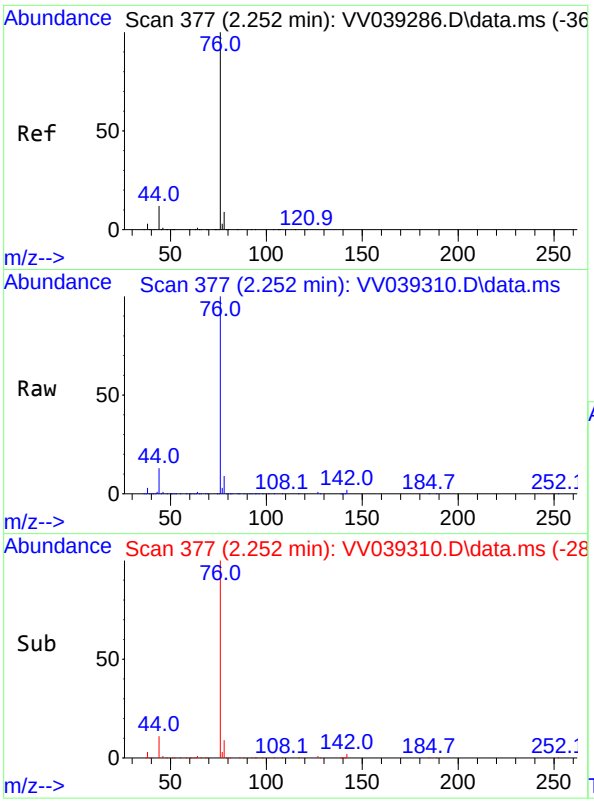


#16
Acetone
Concen: 89.035 ug/l
RT: 2.117 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 43 Resp: 446179

Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.5	41.3



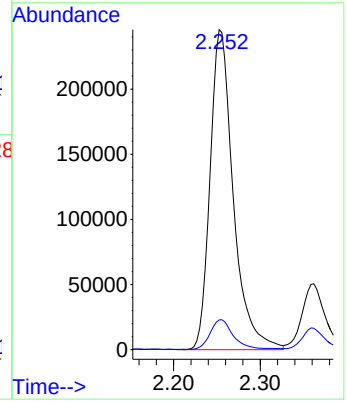


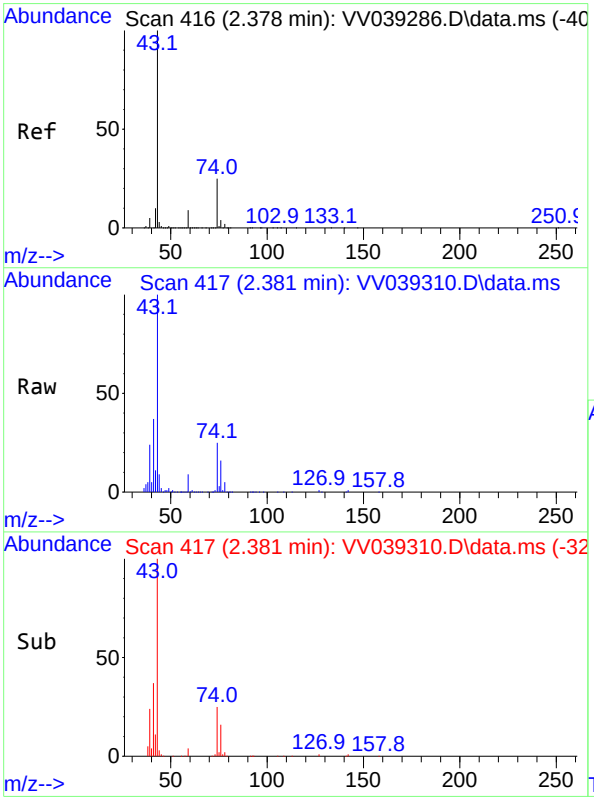
#17
Carbon Disulfide
Concen: 16.987 ug/l
RT: 2.252 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 76 Resp: 457002

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

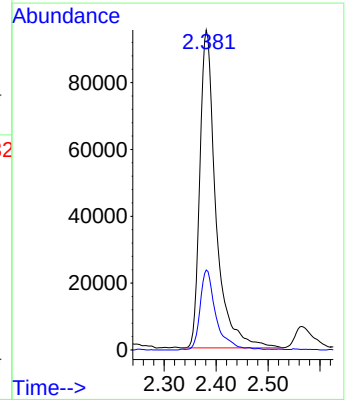


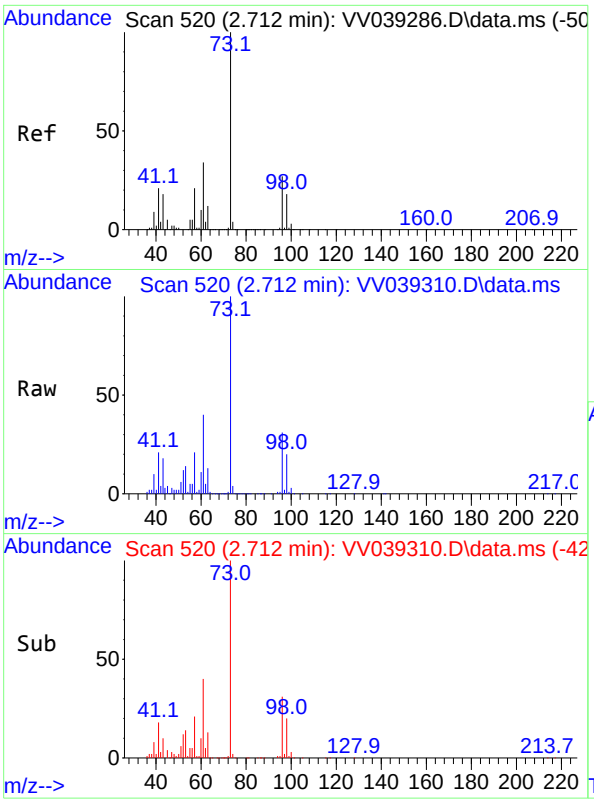


#18
Methyl Acetate
Concen: 15.696 ug/l
RT: 2.381 min Scan# 417
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 43 Resp: 204155

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.5	29.3



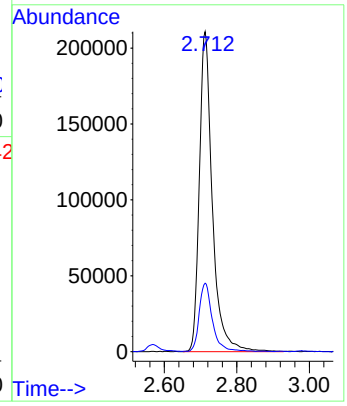


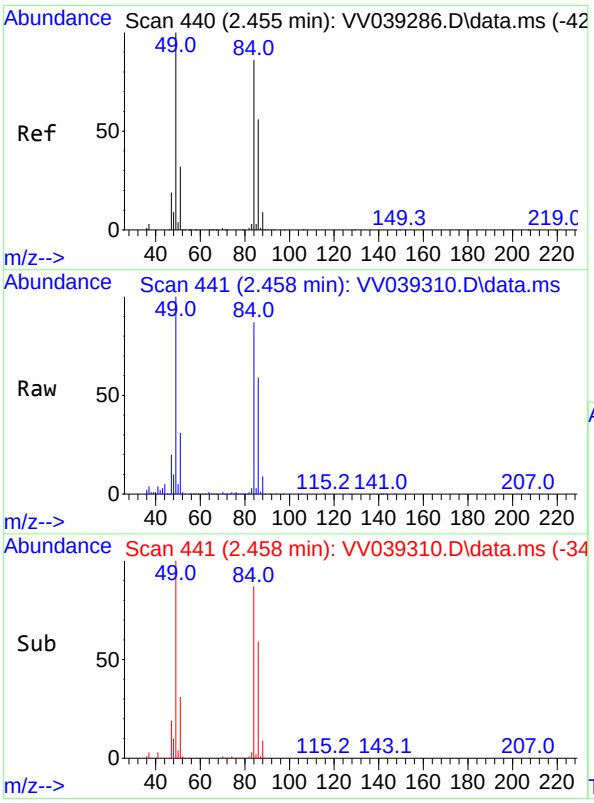
#19
Methyl tert-butyl Ether
Concen: 18.328 ug/l
RT: 2.712 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 73 Resp: 525437

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6

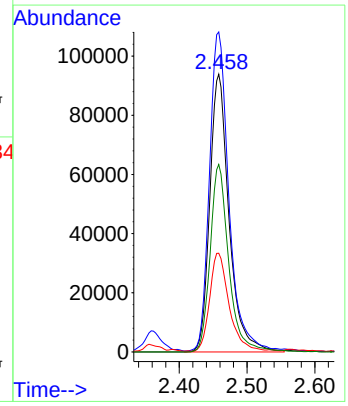


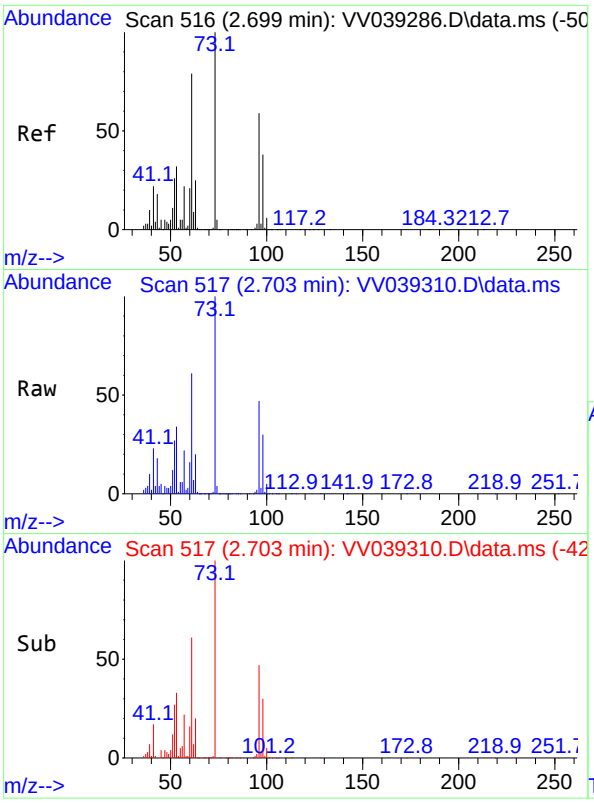


#20
Methylene Chloride
Concen: 19.477 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 84 Resp: 185551

Ion	Ratio	Lower	Upper
84	100		
49	114.8	92.6	139.0
51	35.3	29.6	44.4
86	67.5	51.4	77.2



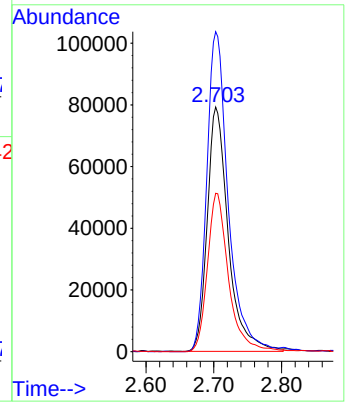


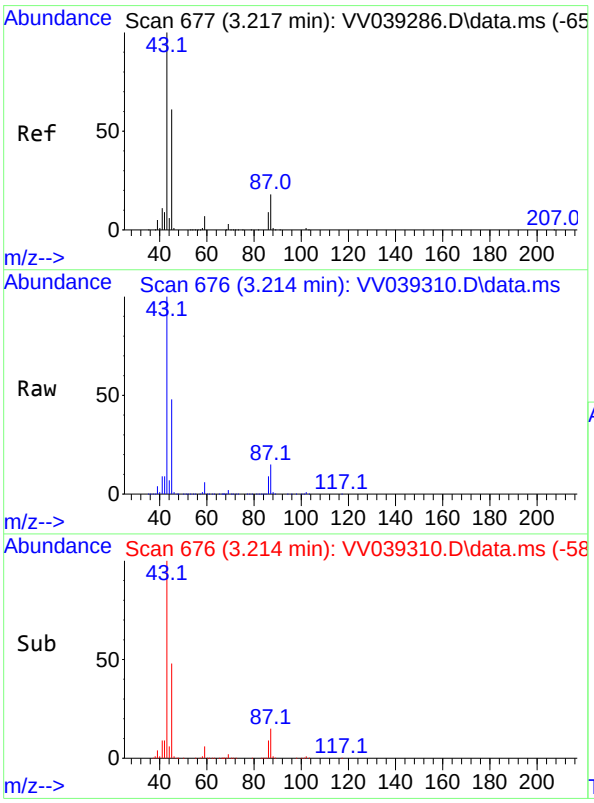
#21
trans-1,2-Dichloroethene
Concen: 17.014 ug/l
RT: 2.703 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 96 Resp: 170629

Ion	Ratio	Lower	Upper
96	100		
61	131.0	106.8	160.2
98	64.9	51.1	76.7

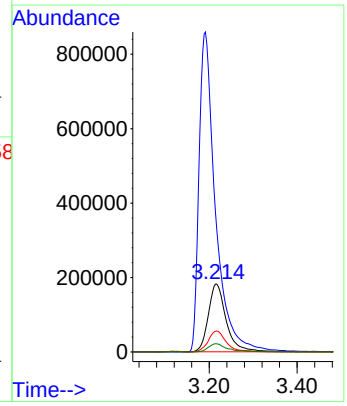


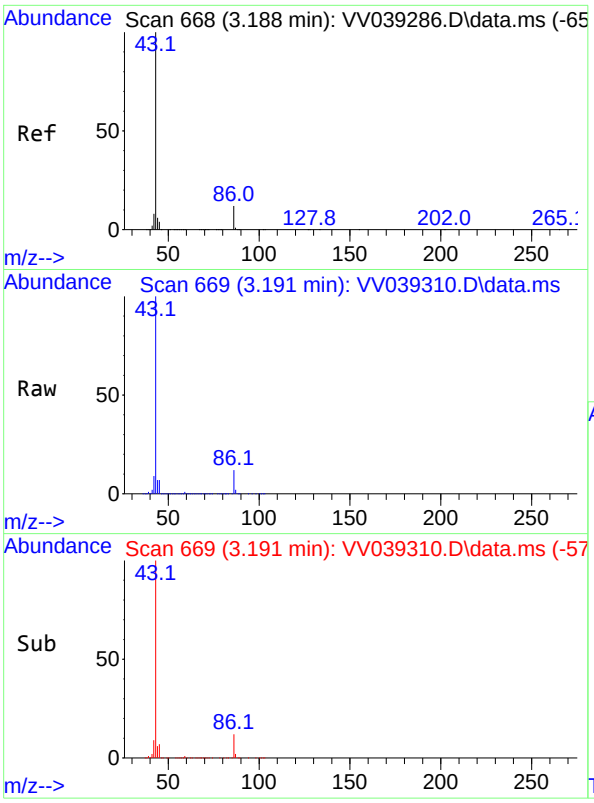


#22
Diisopropyl ether
Concen: 19.068 ug/l
RT: 3.214 min Scan# 676
Delta R.T. -0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 45 Resp: 516923

Ion	Ratio	Lower	Upper
45	100		
43	208.4	130.8	196.2#
87	30.3	23.8	35.8
59	12.0	9.8	14.8



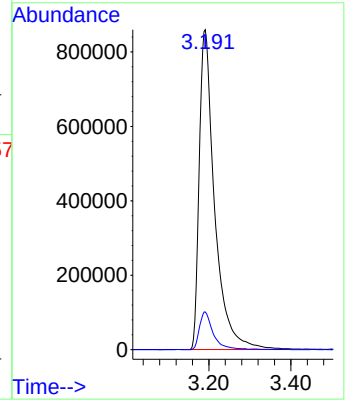


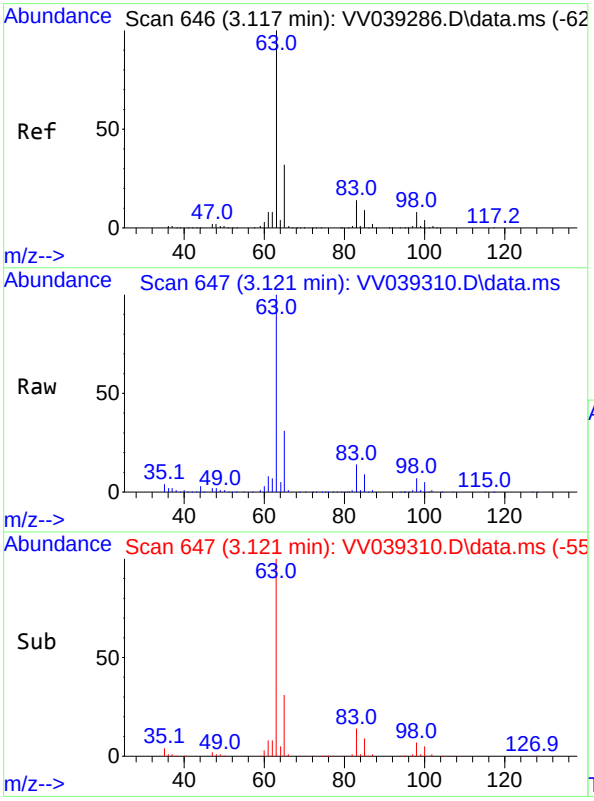
#23
Vinyl Acetate
Concen: 94.151 ug/l
RT: 3.191 min Scan# 6
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 43 Resp: 2240706

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.4	14.2

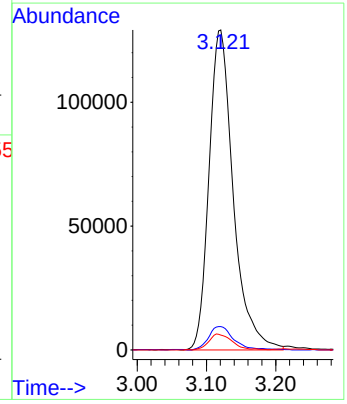


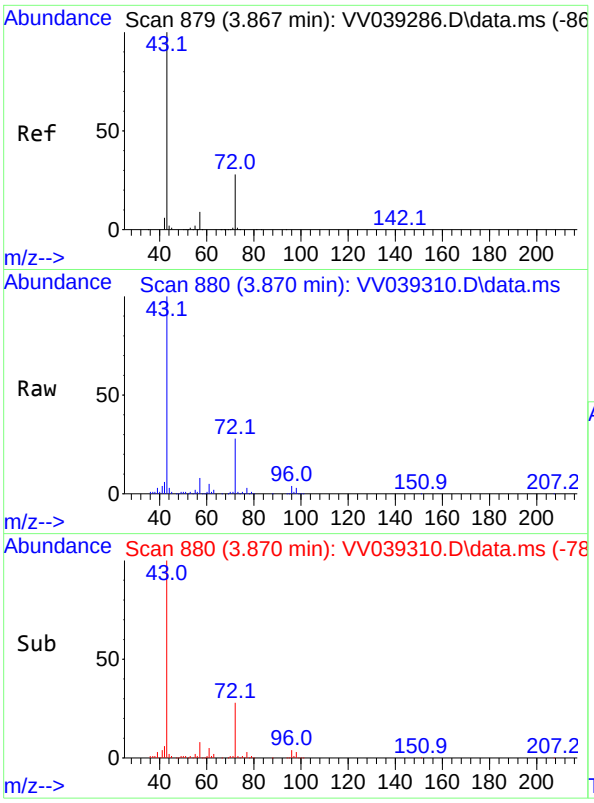


#24
1,1-Dichloroethane
Concen: 17.304 ug/l
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 63 Resp: 314272

Ion	Ratio	Lower	Upper
63	100		
98	7.2	4.0	12.0
100	4.7	2.3	6.8



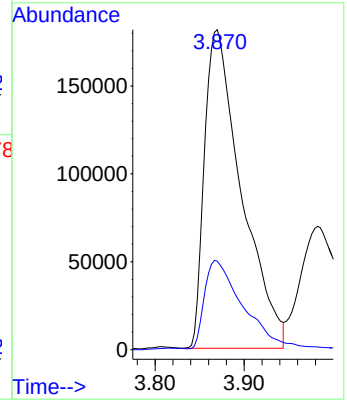


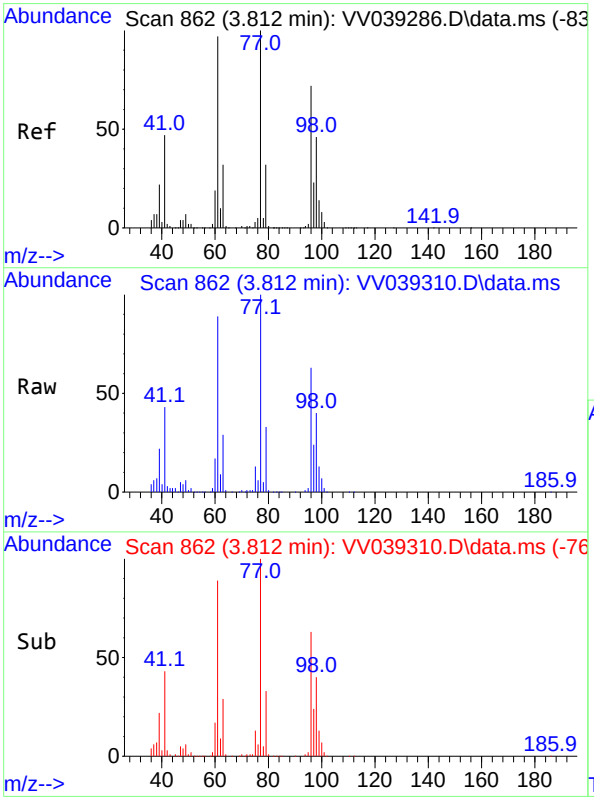
#25
2-Butanone
Concen: 85.148 ug/l
RT: 3.870 min Scan# 8
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 43 Resp: 522681

Ion	Ratio	Lower	Upper
43	100		
72	27.4	22.6	34.0

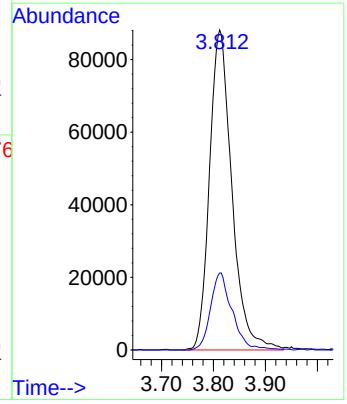


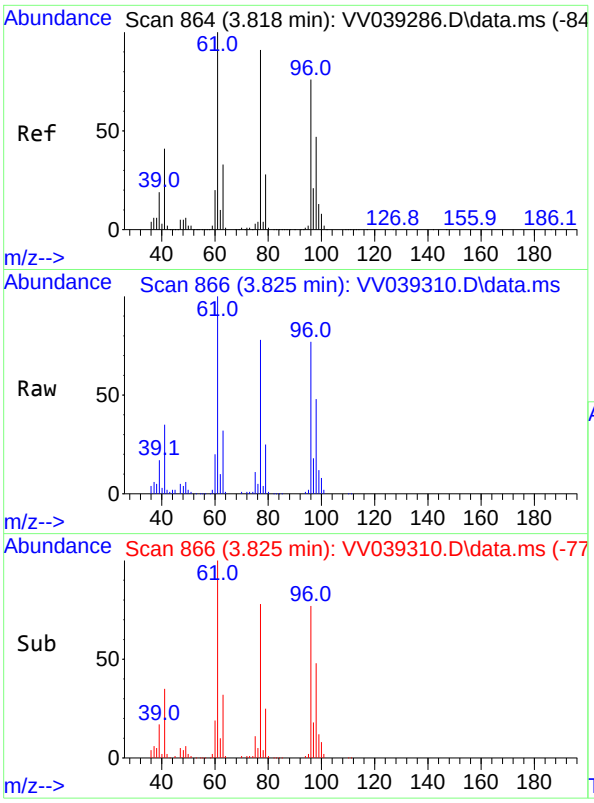


#26
2,2-Dichloropropane
Concen: 18.005 ug/l
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 77 Resp: 263373

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.8



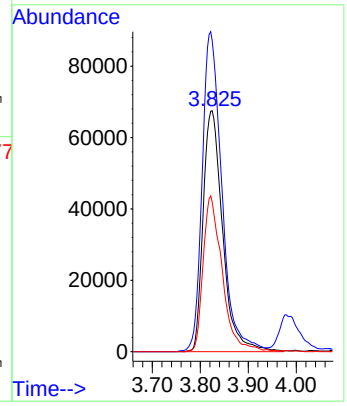


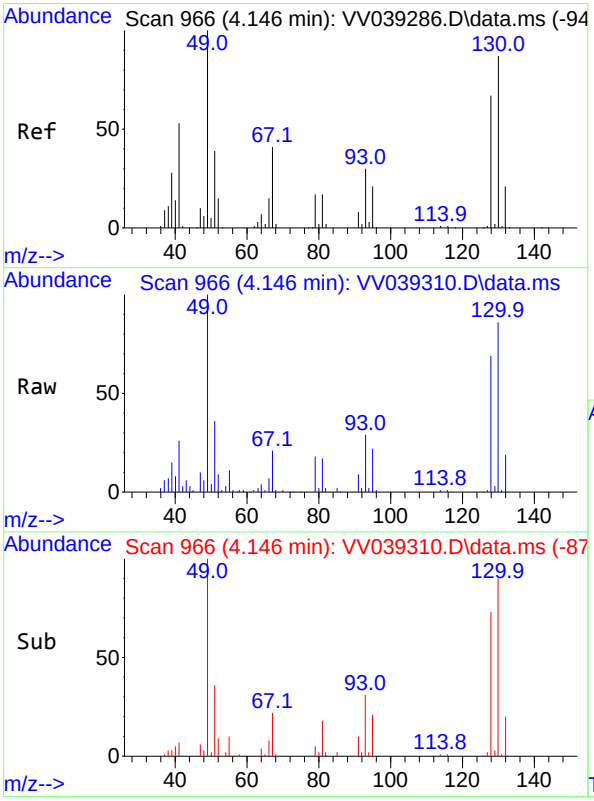
#27
cis-1,2-Dichloroethene
Concen: 18.980 ug/l
RT: 3.825 min Scan# 8
Delta R.T. 0.006 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 96 Resp: 190586

Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	275.0
98	63.0	0.0	127.8

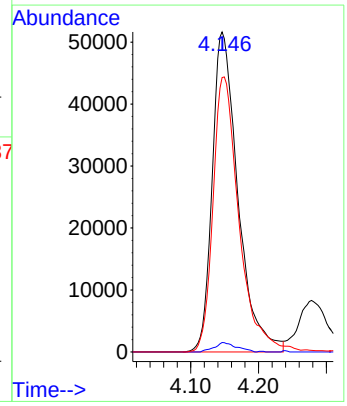


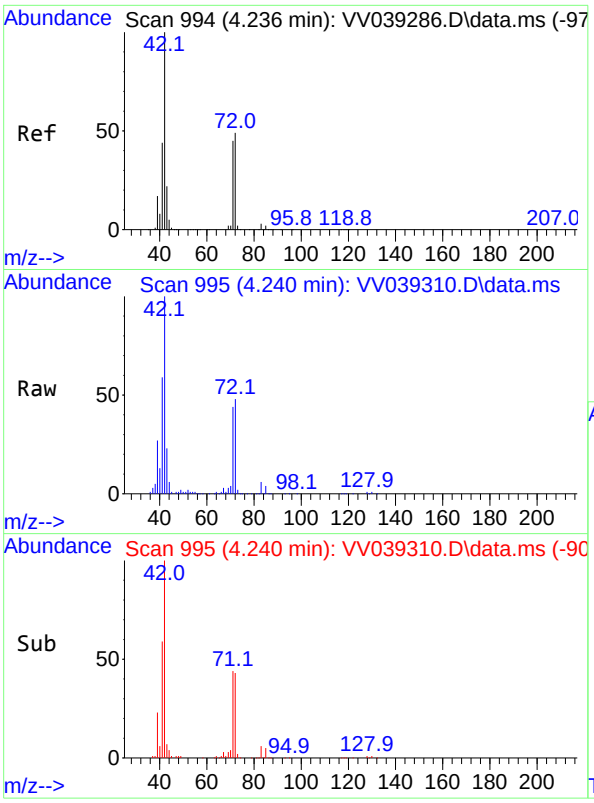


#28
Bromochloromethane
Concen: 17.565 ug/l
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 49 Resp: 136004

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	86.9	69.5	104.3



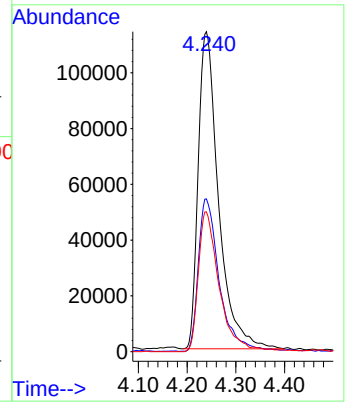


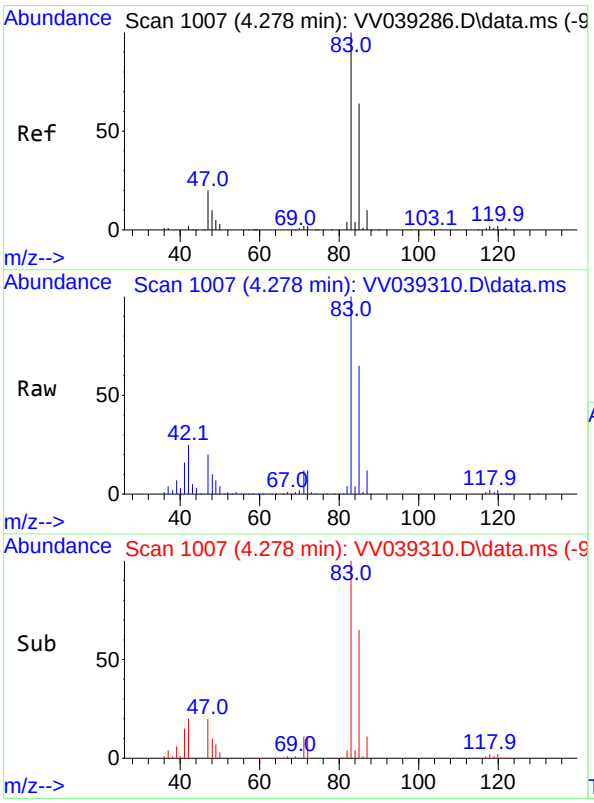
#29
Tetrahydrofuran
Concen: 83.868 ug/l
RT: 4.240 min Scan# 9
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 42 Resp: 329172

Ion	Ratio	Lower	Upper
42	100		
72	49.5	39.8	59.8
71	44.3	36.5	54.7

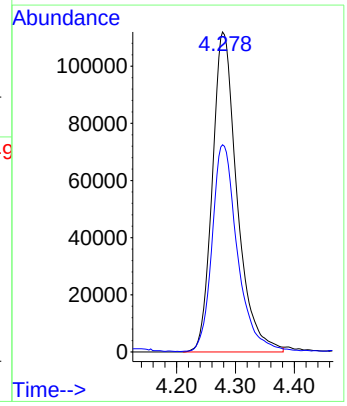


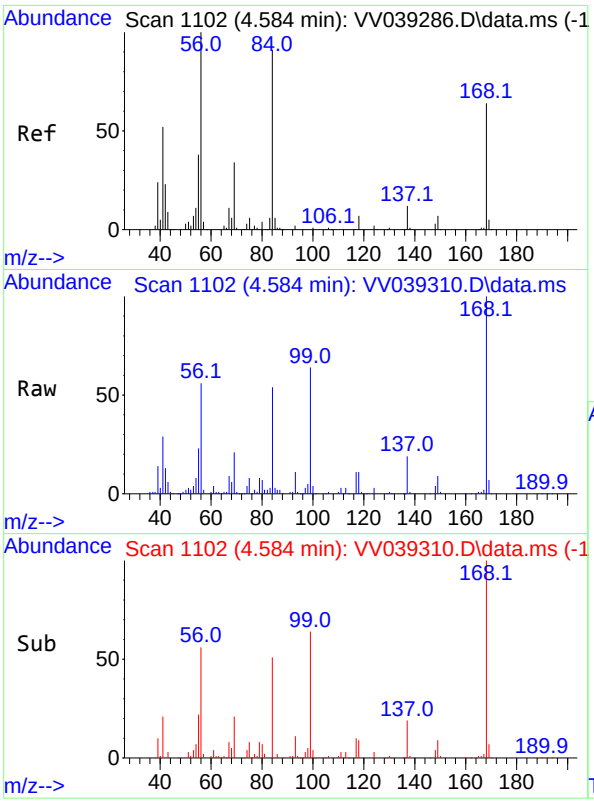


#30
Chloroform
Concen: 17.651 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 83 Resp: 326914

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7



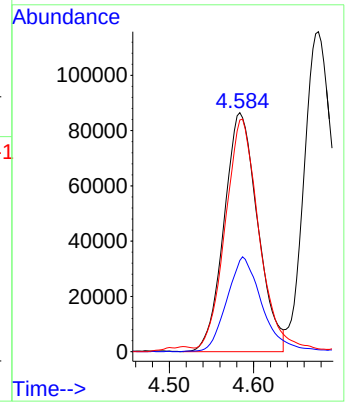


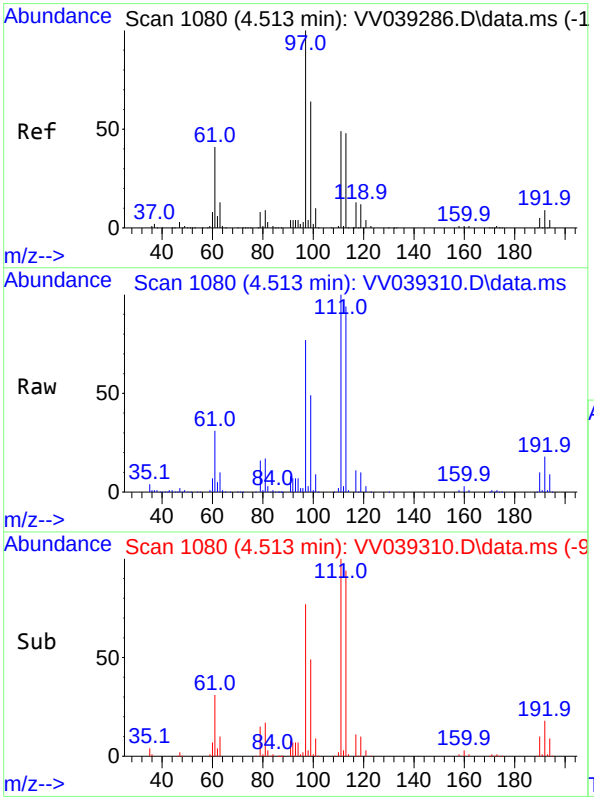
#31
Cyclohexane
Concen: 18.140 ug/l
RT: 4.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 56 Resp: 239964

Ion	Ratio	Lower	Upper
56	100		
69	38.0	27.4	41.0
84	94.7	72.8	109.2

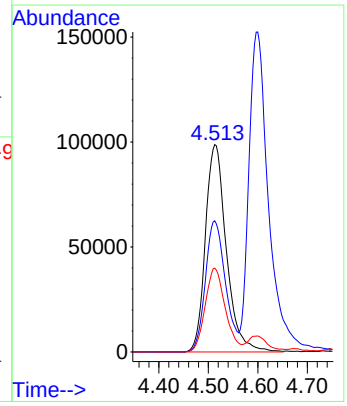


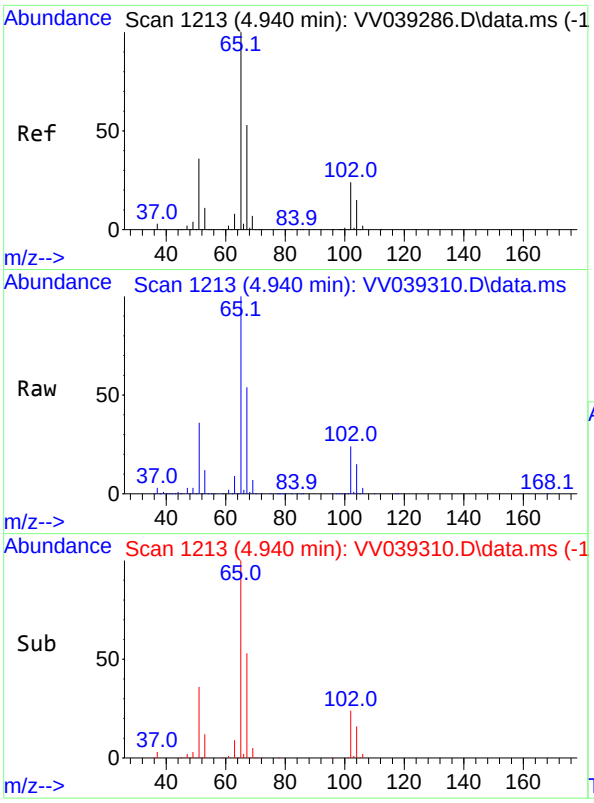


#32
1,1,1-Trichloroethane
Concen: 17.934 ug/l
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 97 Resp: 290407

Ion	Ratio	Lower	Upper
97	100		
99	60.5	48.6	72.8
61	38.8	31.8	47.8



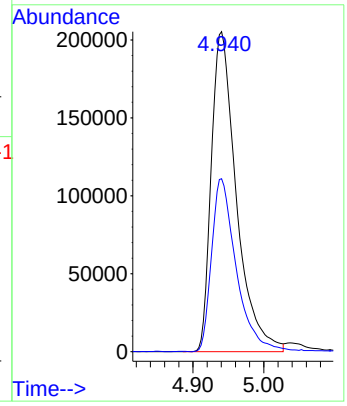


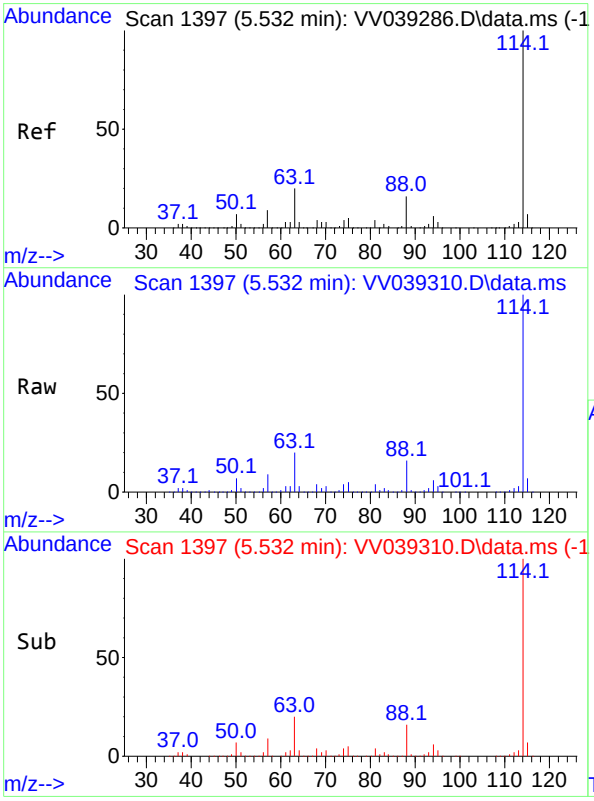
#33
1,2-Dichloroethane-d4
Concen: 50.248 ug/l
RT: 4.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 65 Resp: 504363

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.4

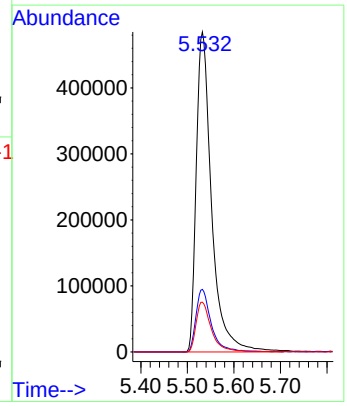


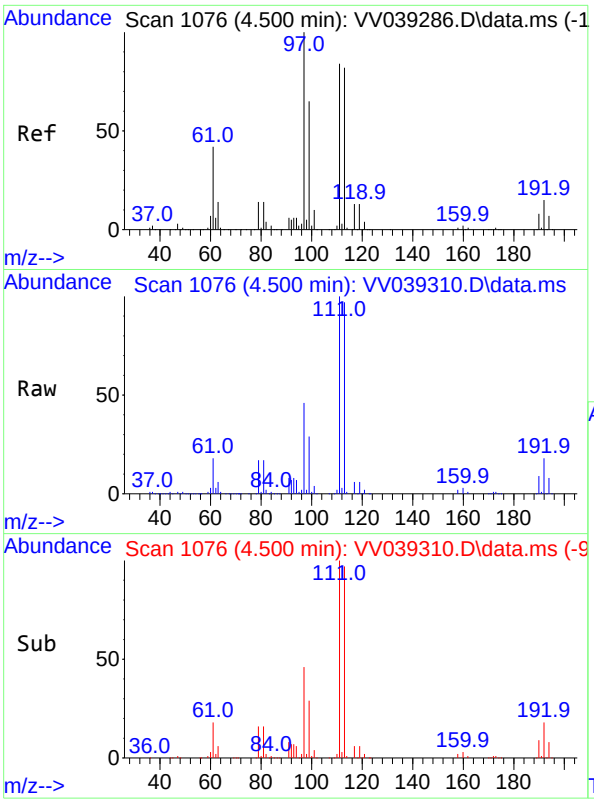


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:114 Resp: 1110419

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.6	0.0	31.6



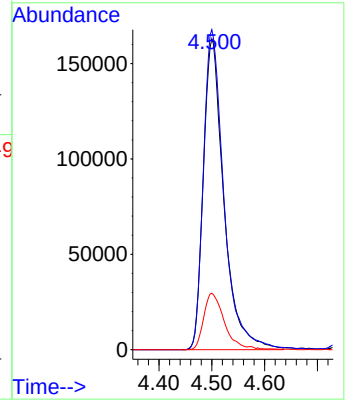


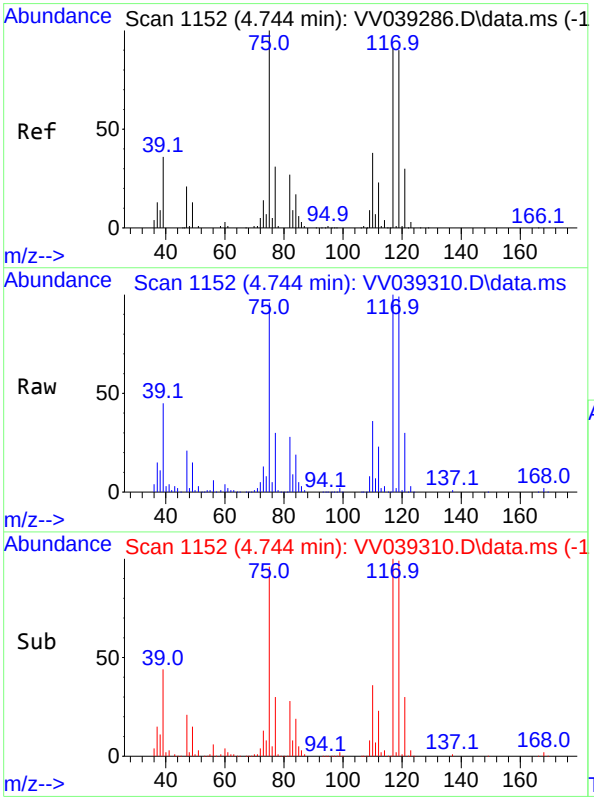
#35
Dibromofluoromethane
Concen: 50.190 ug/l
RT: 4.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:113 Resp: 439127

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	17.9	14.3	21.5

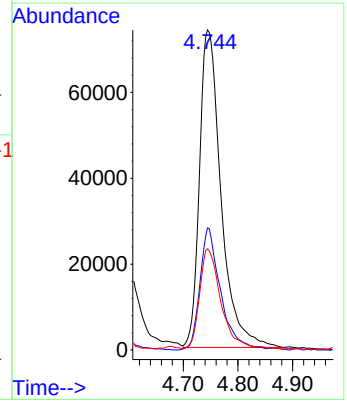


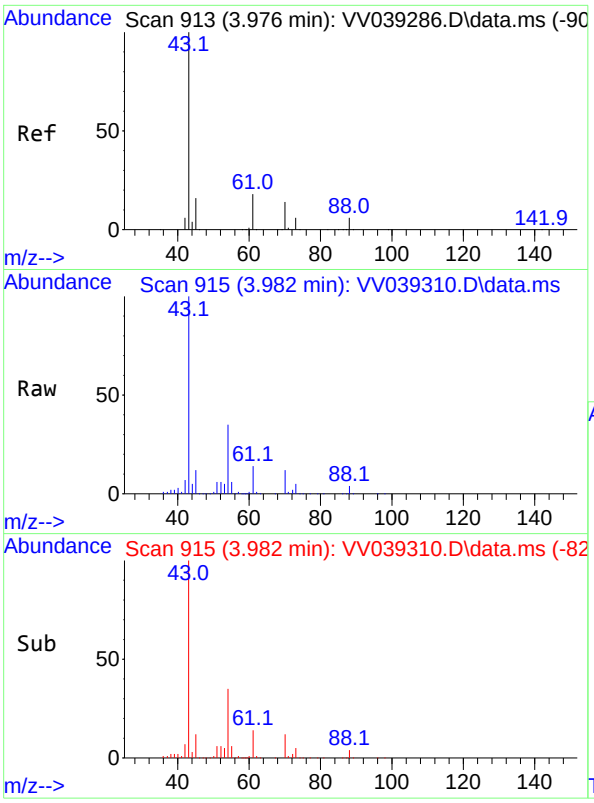


#36
1,1-Dichloropropene
Concen: 18.432 ug/l
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 75 Resp: 202551

Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.9	56.7
77	30.6	24.1	36.1



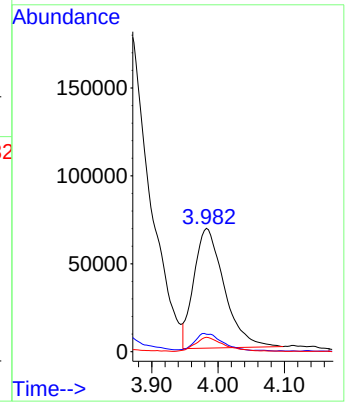


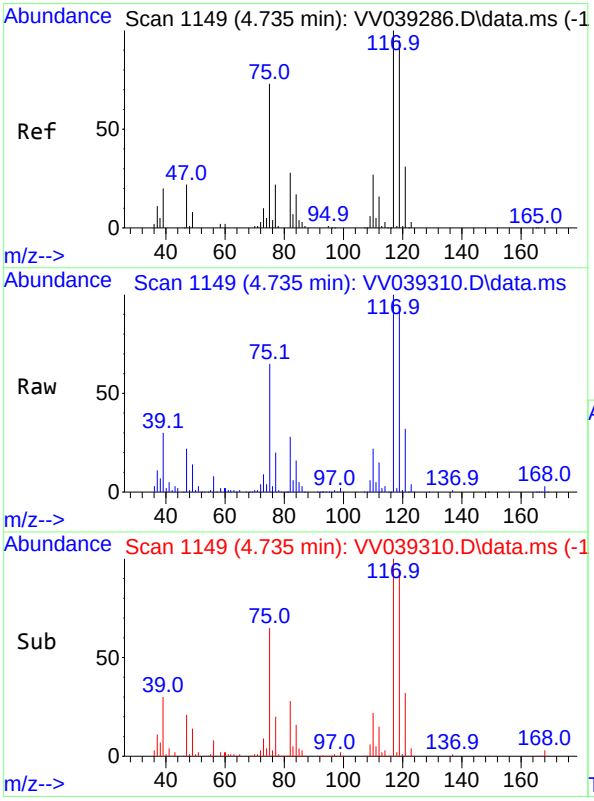
#37
Ethyl Acetate
Concen: 16.809 ug/l
RT: 3.982 min Scan# 91
Delta R.T. 0.006 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 43 Resp: 216252

Ion	Ratio	Lower	Upper
43	100		
61	12.7	12.2	18.2
70	10.9	9.0	13.4

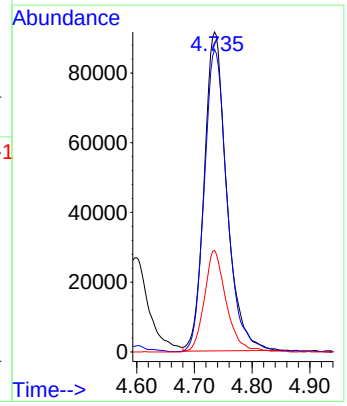


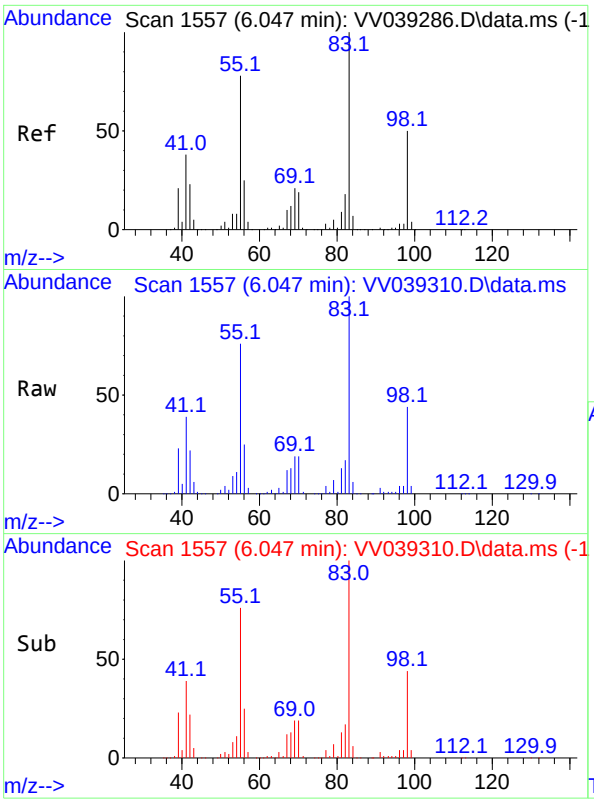


#38
Carbon Tetrachloride
Concen: 18.511 ug/l
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:117 Resp: 247835

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.9	113.9
121	31.8	24.6	37.0



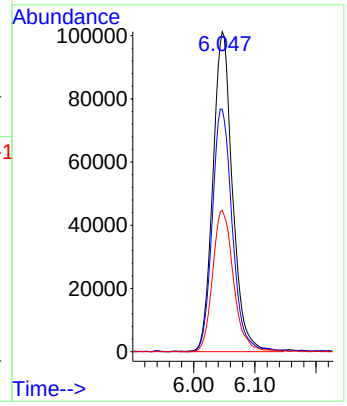


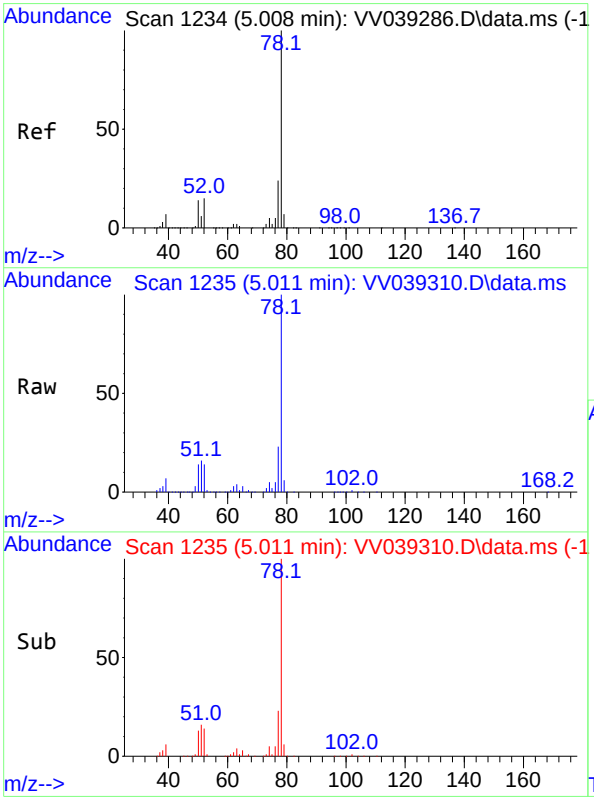
#39
Methylcyclohexane
Concen: 17.945 ug/l
RT: 6.047 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 83 Resp: 225379

Ion	Ratio	Lower	Upper
83	100		
55	75.6	62.1	93.1
98	44.2	40.2	60.4

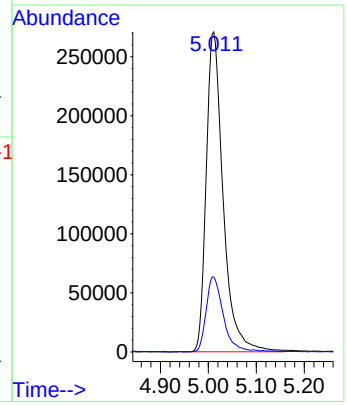


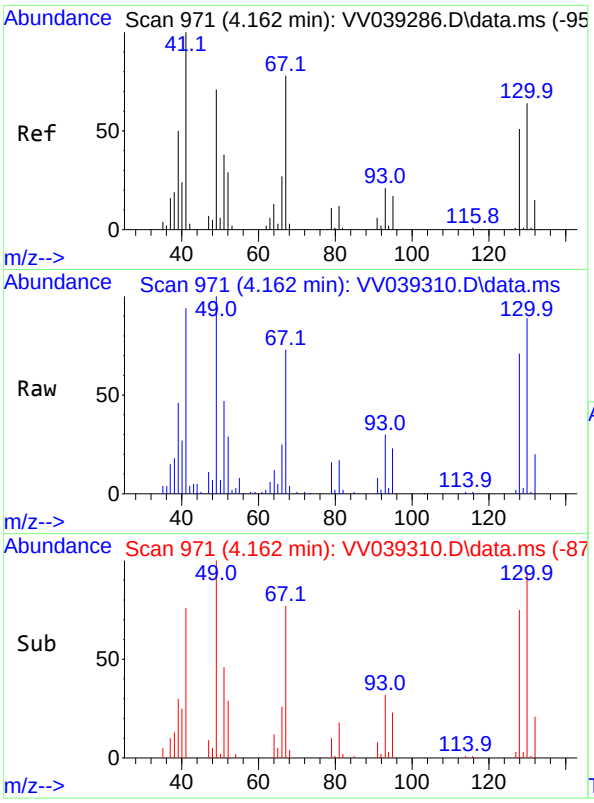


#40
Benzene
Concen: 18.834 ug/l
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 78 Resp: 664122

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3



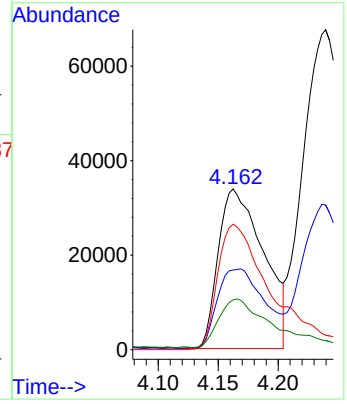


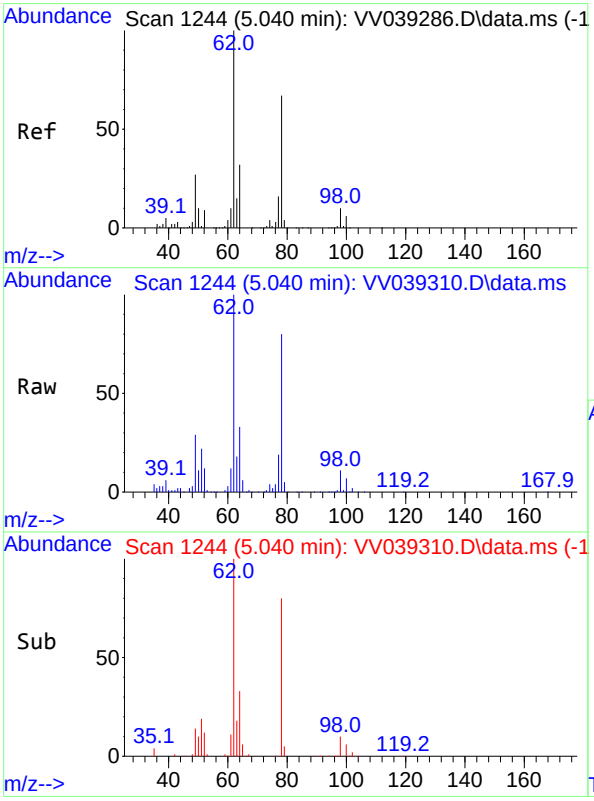
#41
Methacrylonitrile
Concen: 17.353 ug/l
RT: 4.162 min Scan# 9
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 41 Resp: 89193

Ion	Ratio	Lower	Upper
41	100		
39	51.5	40.9	61.3
67	98.1	73.1	109.7
52	36.0	27.8	41.6

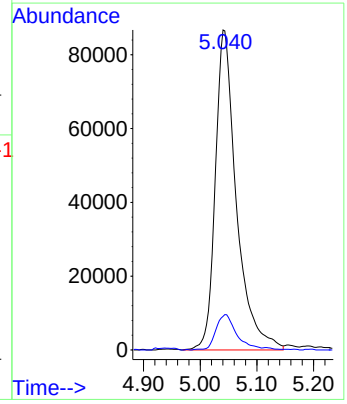


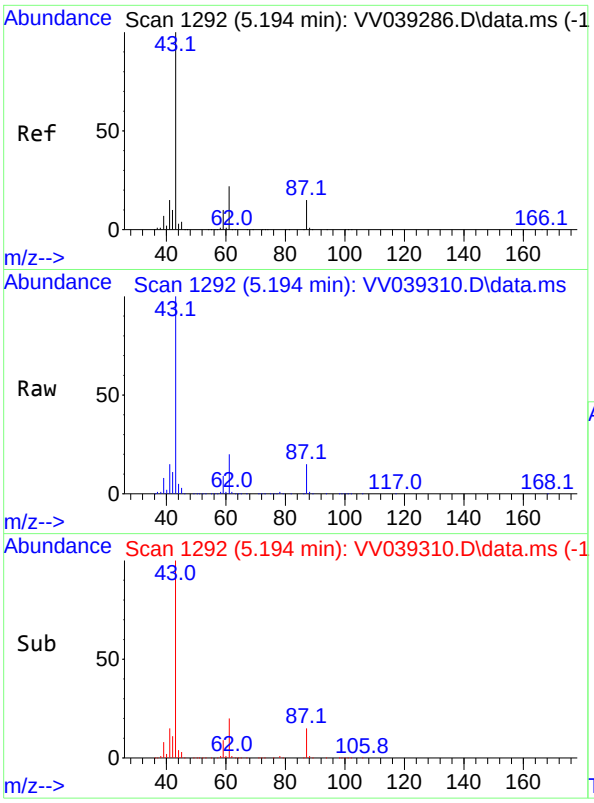


#42
1,2-Dichloroethane
Concen: 18.173 ug/l
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 62 Resp: 224904

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0



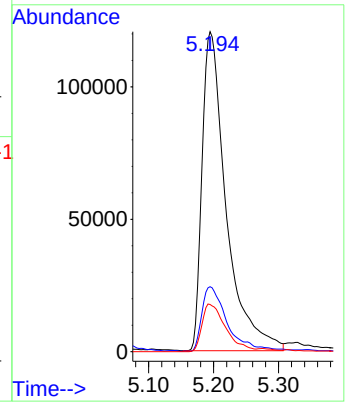


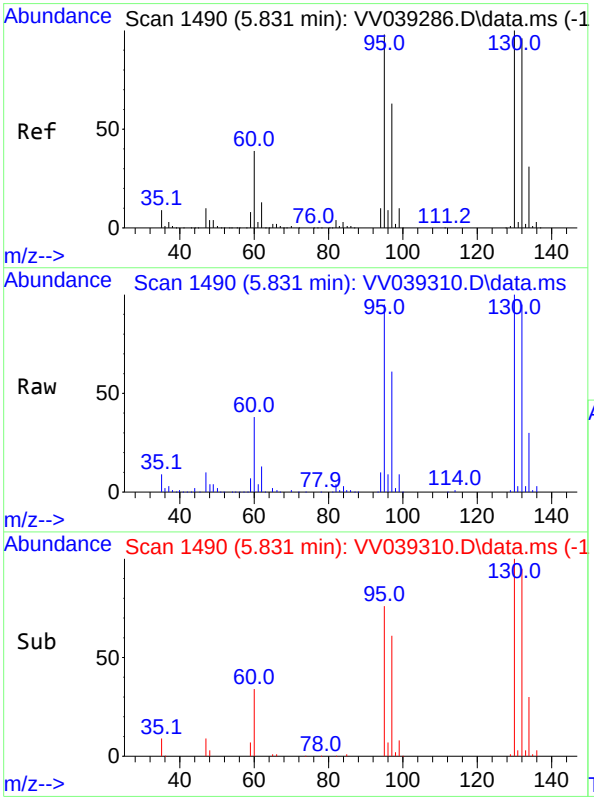
#43
Isopropyl Acetate
Concen: 18.494 ug/l
RT: 5.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 43 Resp: 311494

Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.1	25.7
87	14.7	11.5	17.3

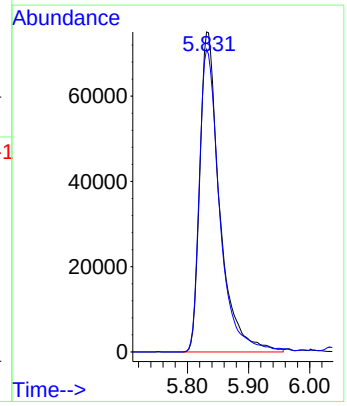


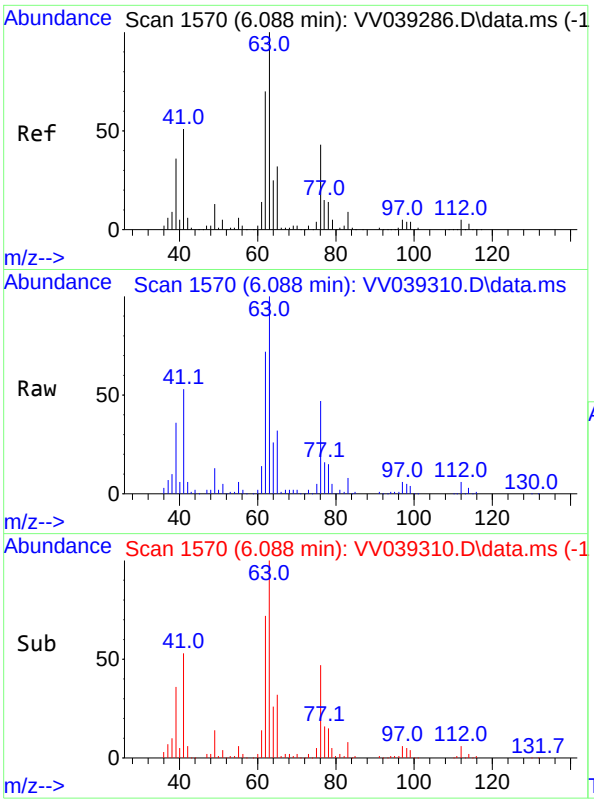


#44
Trichloroethene
Concen: 19.034 ug/l
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:130 Resp: 168787

Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	196.6



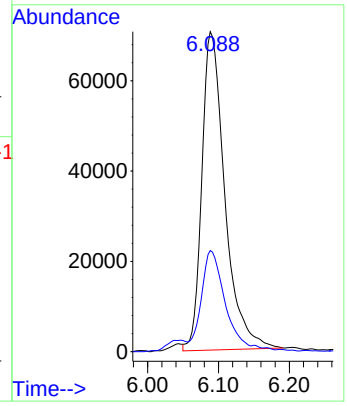


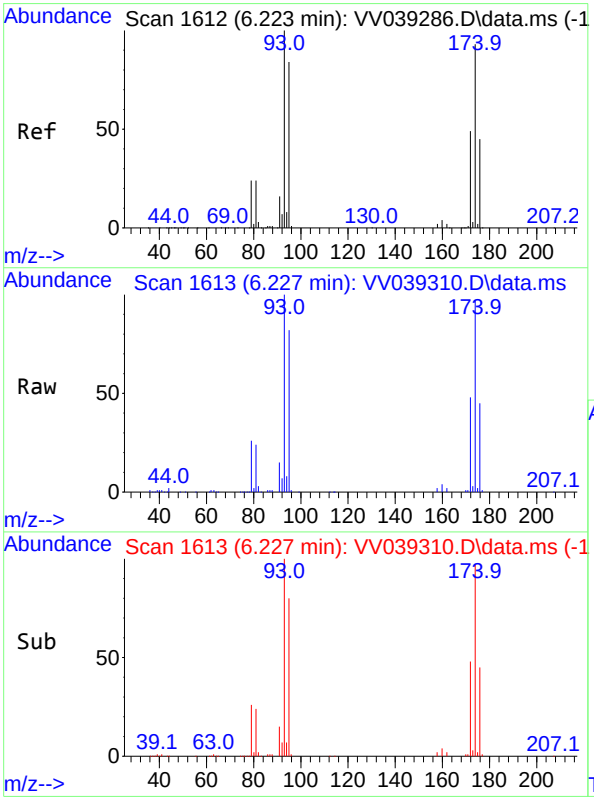
#45
1,2-Dichloropropane
Concen: 18.482 ug/l
RT: 6.088 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 63 Resp: 158585

Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.4	38.2

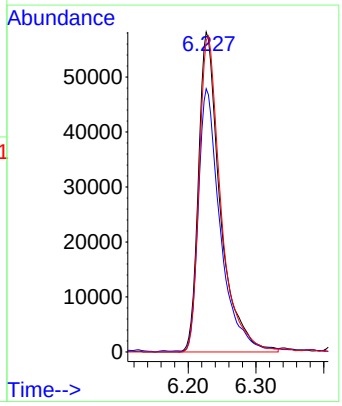


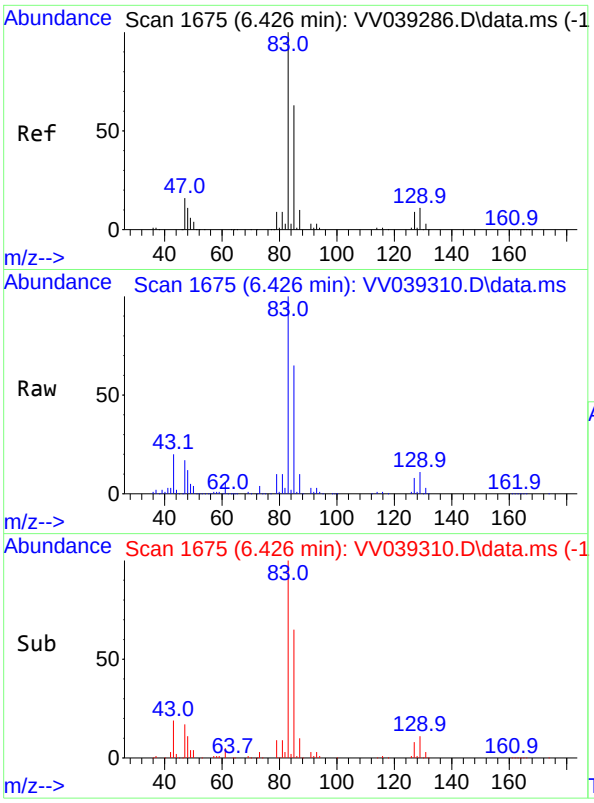


#46
Dibromomethane
Concen: 18.009 ug/l
RT: 6.227 min Scan# 1613
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 93 Resp: 129164

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.6	98.4
174	98.6	74.6	112.0



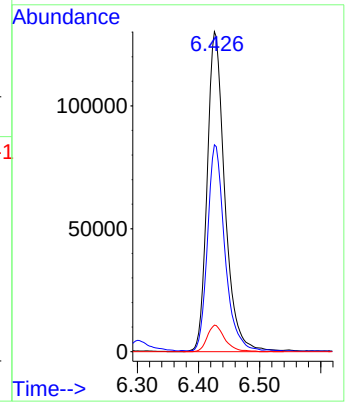


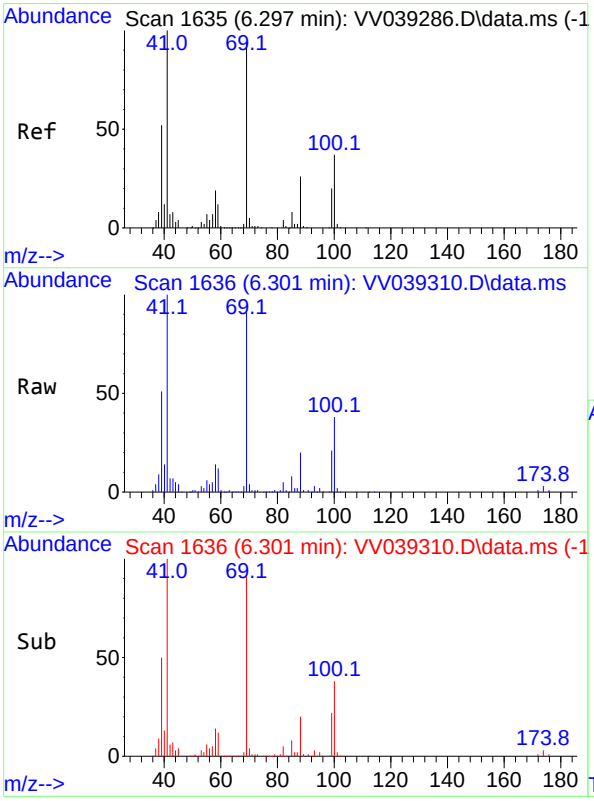
#47
Bromodichloromethane
Concen: 18.491 ug/l
RT: 6.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 83 Resp: 261312

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3
127	8.3	7.0	10.6

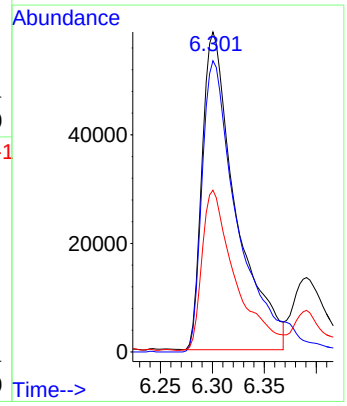


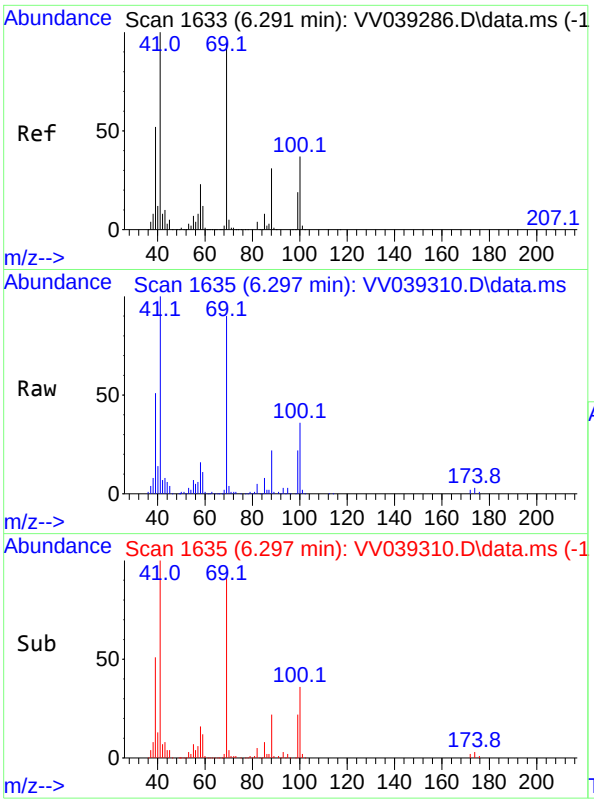


#48
Methyl methacrylate
Concen: 16.912 ug/l
RT: 6.301 min Scan# 1636
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 41 Resp: 131960

Ion	Ratio	Lower	Upper
41	100		
69	99.9	77.2	115.8
39	50.1	41.4	62.0



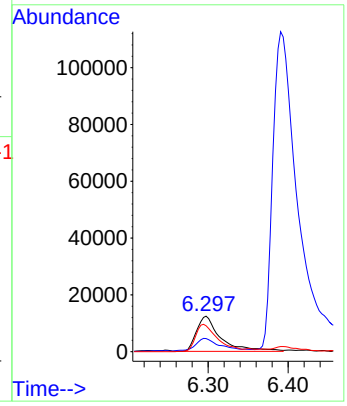


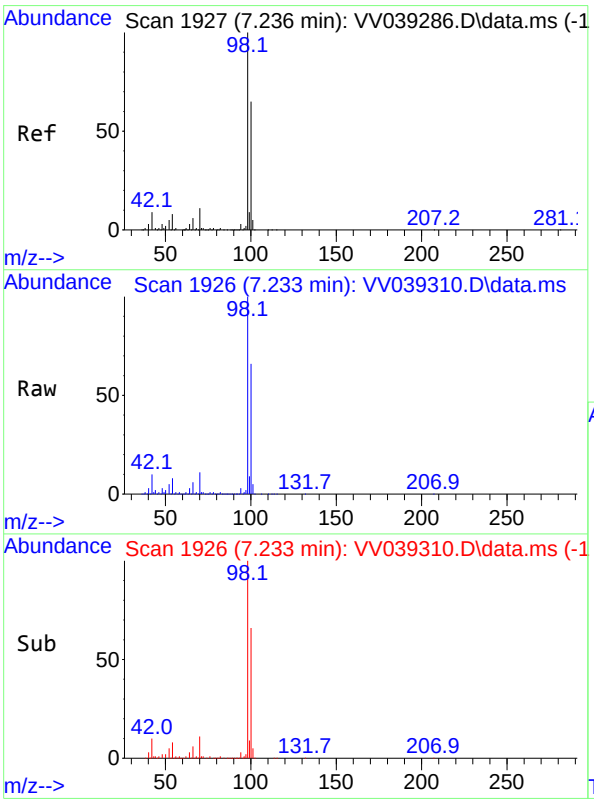
#49
1,4-Dioxane
Concen: 199.594 ug/l
RT: 6.297 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 88 Resp: 25908

Ion	Ratio	Lower	Upper
88	100		
43	35.9	24.1	36.1
58	71.3	57.6	86.4

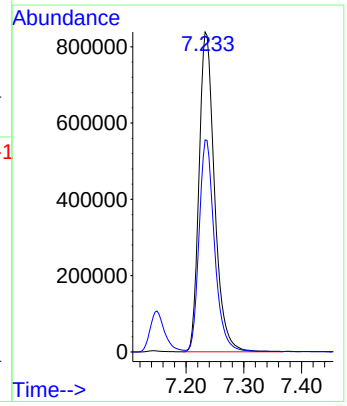


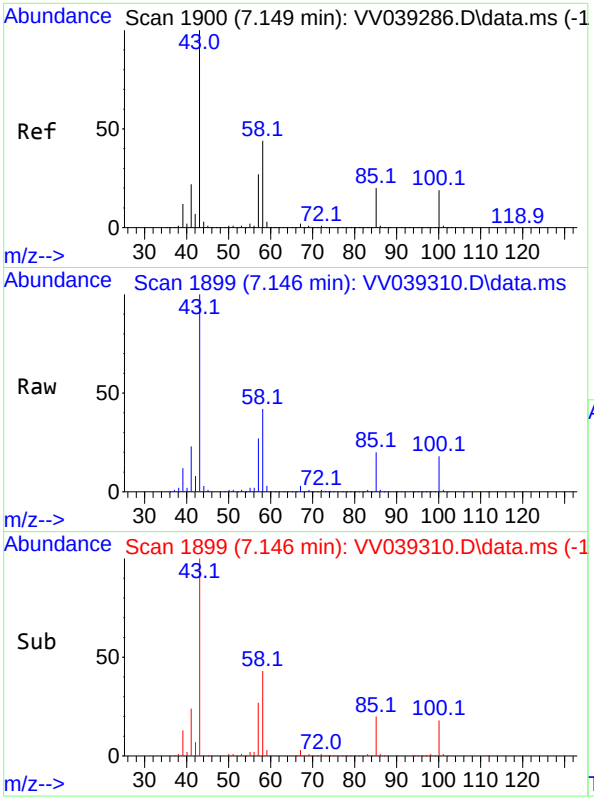


#50
Toluene-d8
Concen: 52.505 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. -0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 98 Resp: 1562786

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.8	79.2



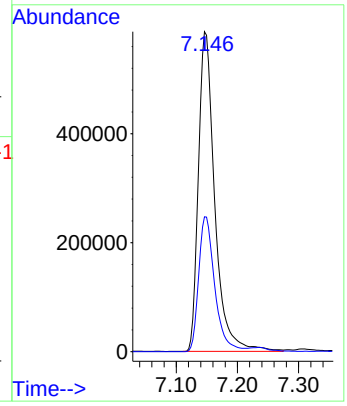


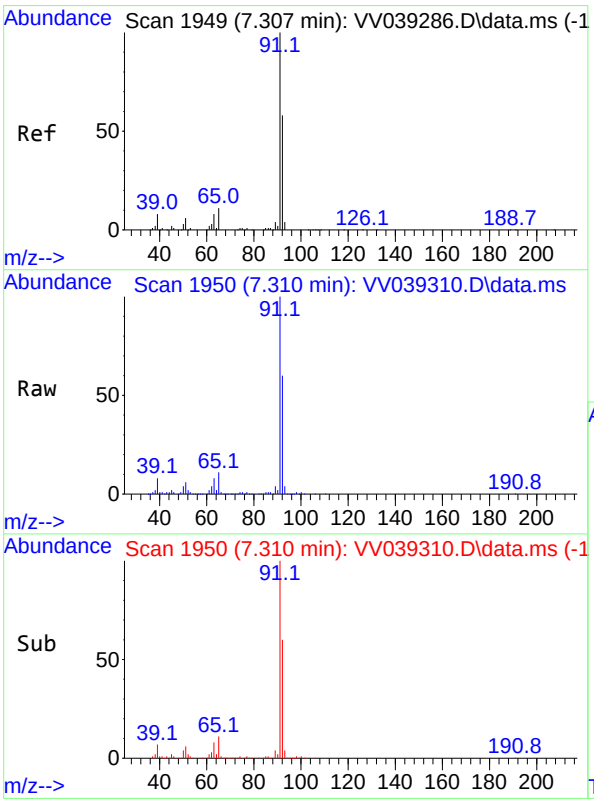
#51
4-Methyl-2-Pentanone
Concen: 93.404 ug/l
RT: 7.146 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 43 Resp: 1091455

Ion	Ratio	Lower	Upper
43	100		
58	41.6	34.2	51.4

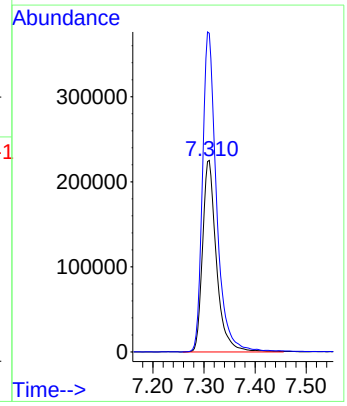


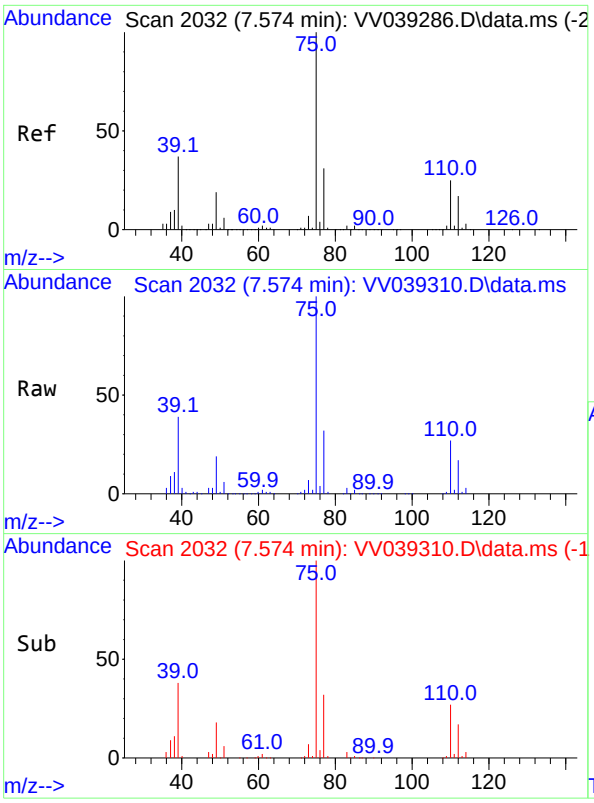


#52
Toluene
Concen: 20.005 ug/l
RT: 7.310 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 92 Resp: 425923

Ion	Ratio	Lower	Upper
92	100		
91	168.5	137.3	205.9



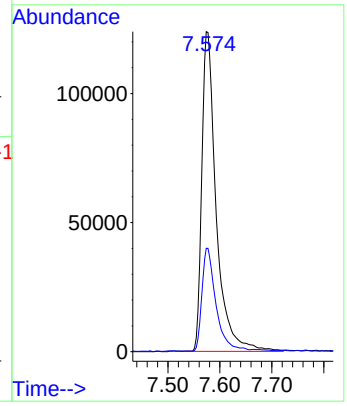


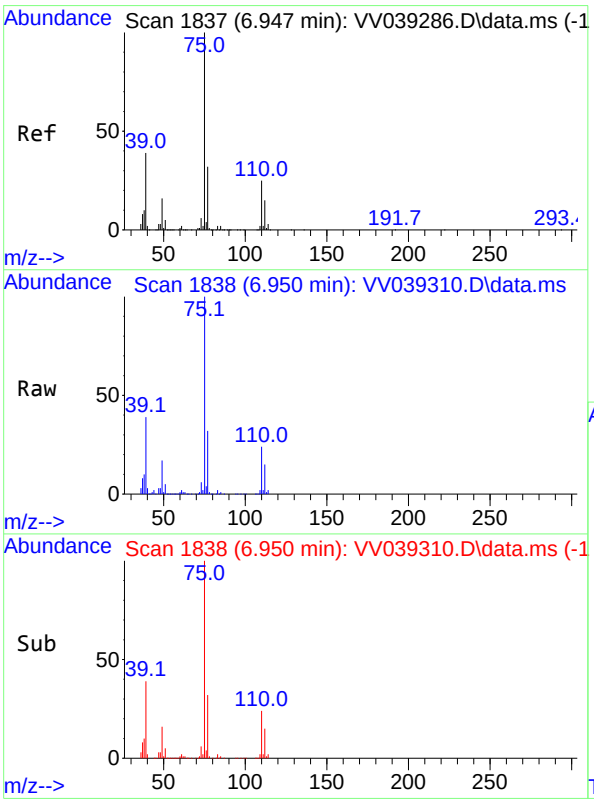
#53
t-1,3-Dichloropropene
Concen: 19.318 ug/l
RT: 7.574 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 75 Resp: 238584

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7

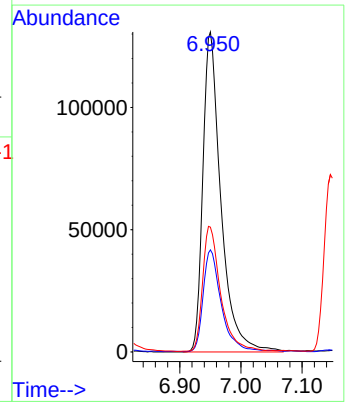


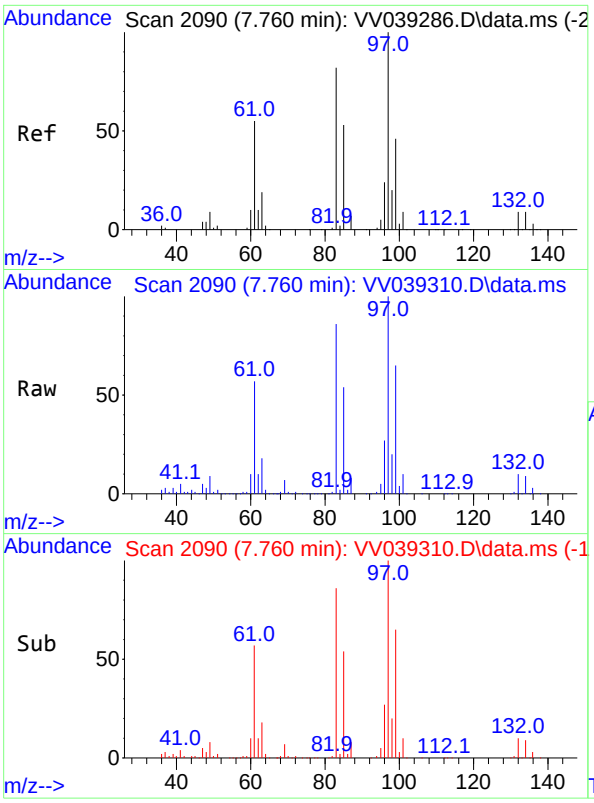


#54
cis-1,3-Dichloropropene
Concen: 19.562 ug/l
RT: 6.950 min Scan# 1838
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 75 Resp: 268605

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	38.8	31.0	46.6



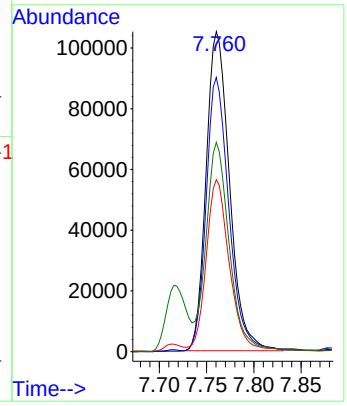


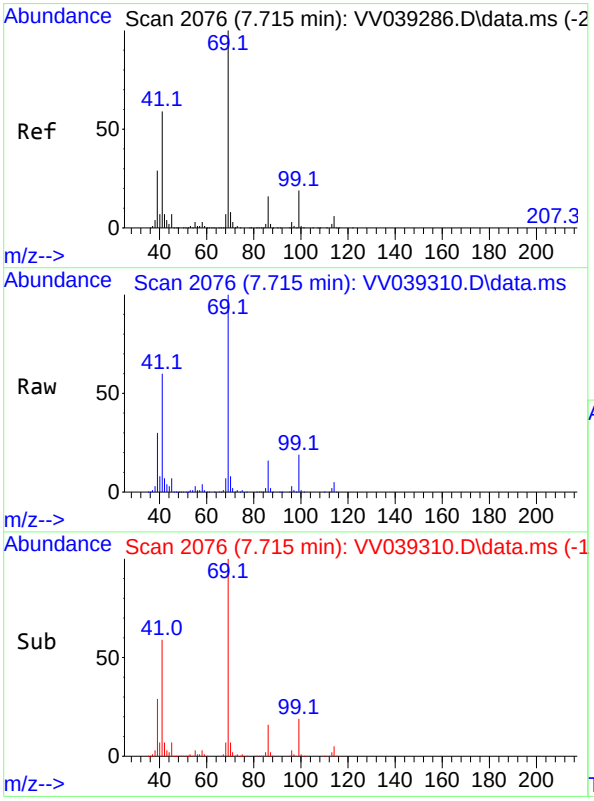
#55
1,1,2-Trichloroethane
Concen: 18.844 ug/l
RT: 7.760 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 97 Resp: 181167

Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.8	98.8
85	53.4	43.3	64.9
99	65.0	51.1	76.7

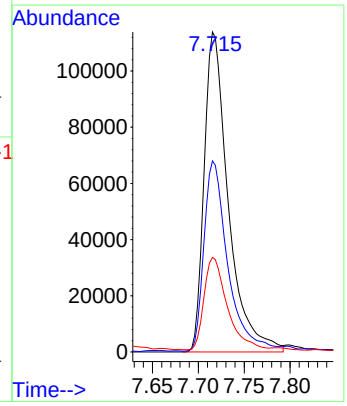


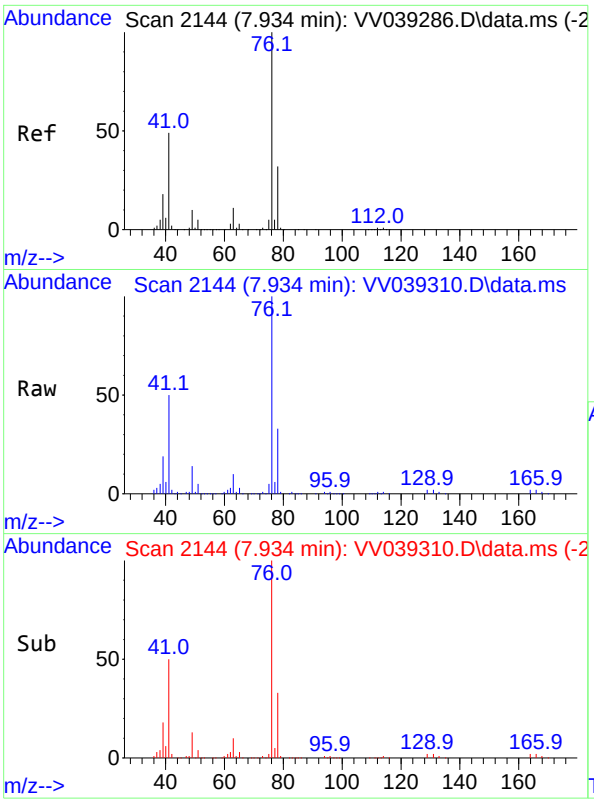


#56
Ethyl methacrylate
Concen: 19.180 ug/l
RT: 7.715 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 69 Resp: 208906

Ion	Ratio	Lower	Upper
69	100		
41	58.5	47.1	70.7
39	27.6	23.2	34.8



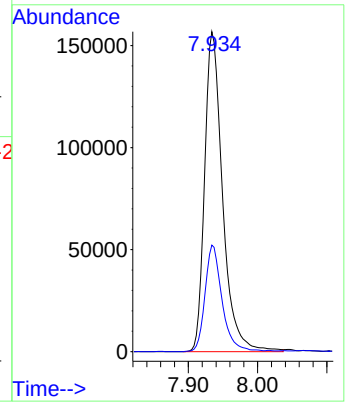


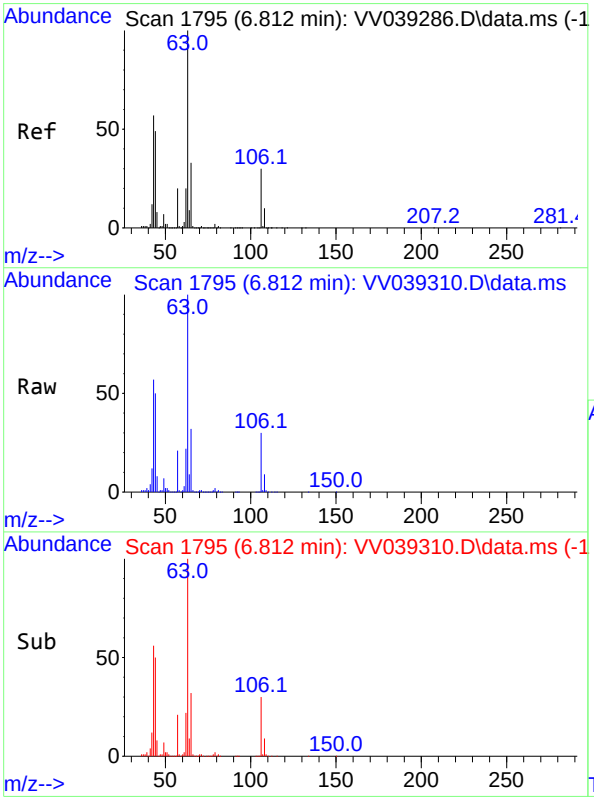
#57
1,3-Dichloropropane
Concen: 19.456 ug/l
RT: 7.934 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 76 Resp: 282261

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.6	38.4

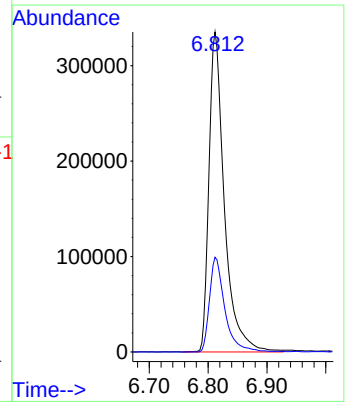


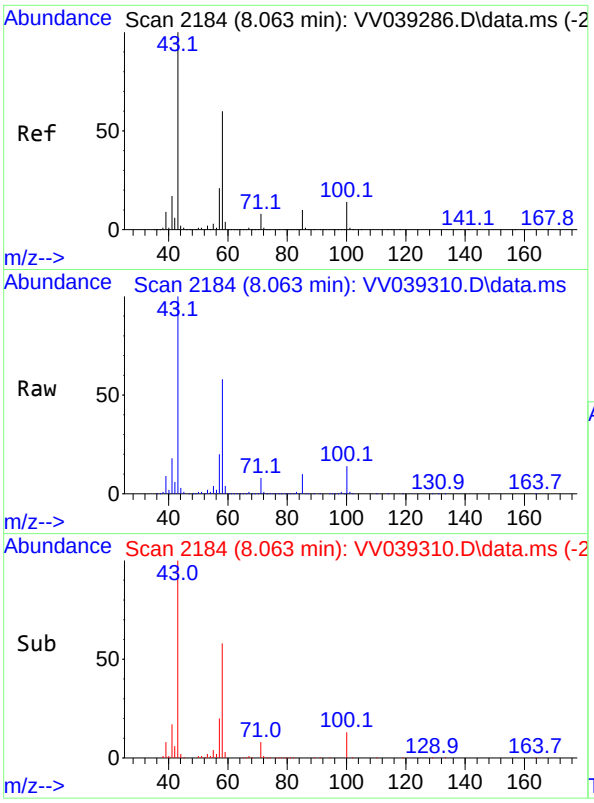


#58
2-Chloroethyl Vinyl ether
Concen: 97.962 ug/l
RT: 6.812 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 63 Resp: 610540

Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.5	35.3



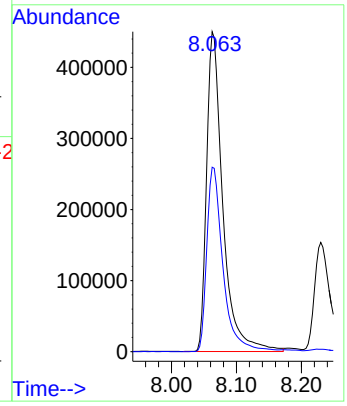


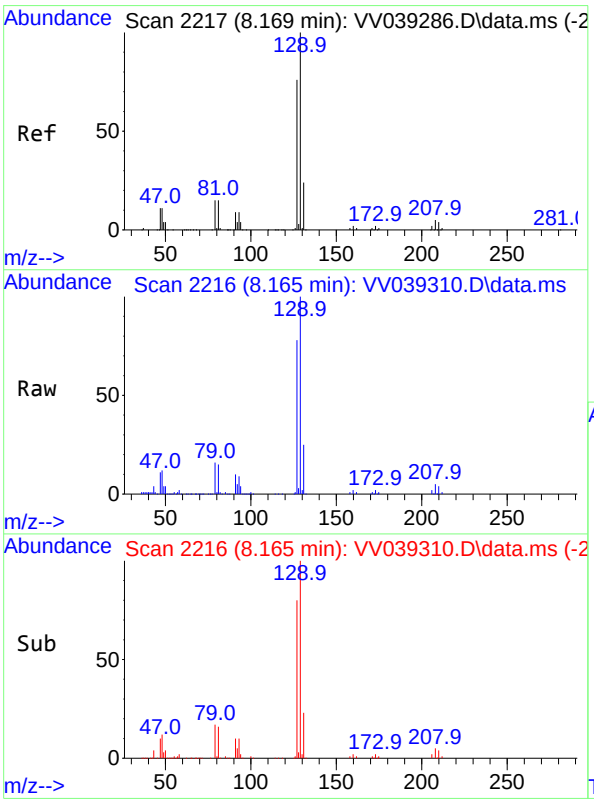
#59
2-Hexanone
Concen: 91.062 ug/l
RT: 8.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 43 Resp: 781191

Ion	Ratio	Lower	Upper
43	100		
58	57.8	29.6	88.9

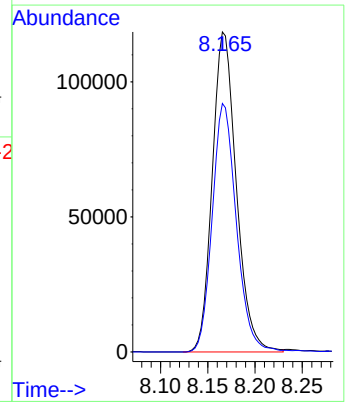


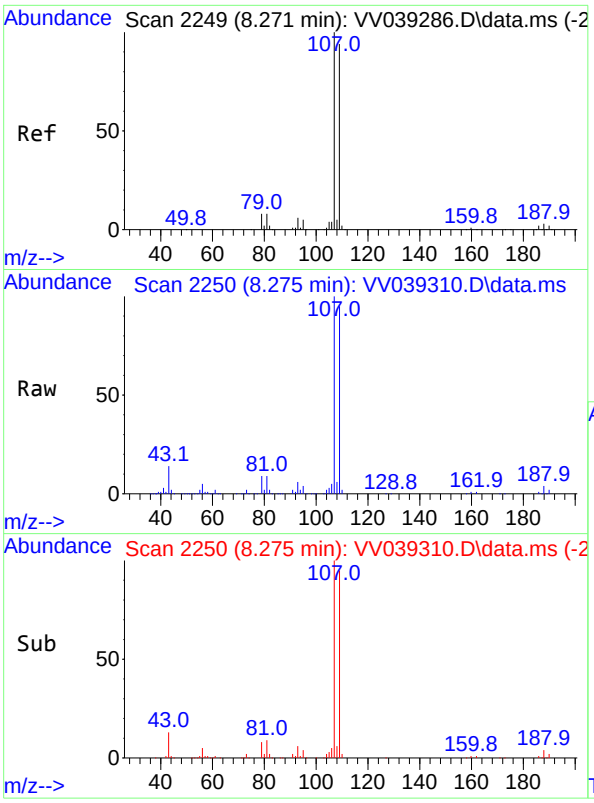


#60
Dibromochloromethane
Concen: 18.652 ug/l
RT: 8.165 min Scan# 2216
Delta R.T. -0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:129 Resp: 209660

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.4	115.1



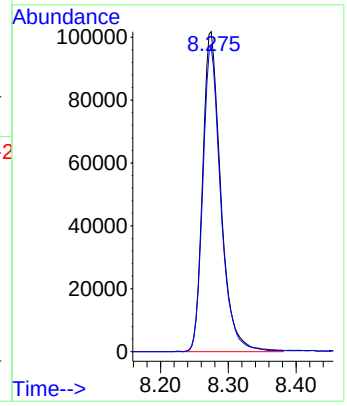


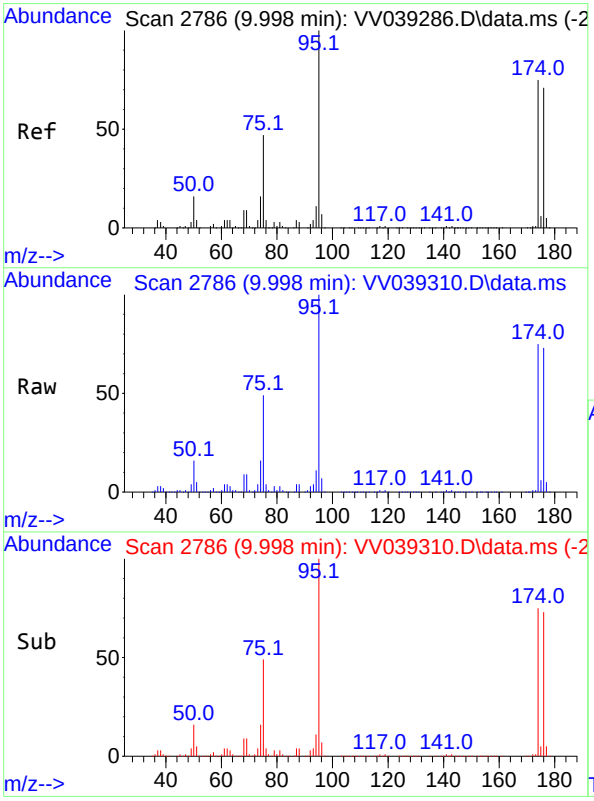
#61
1,2-Dibromoethane
Concen: 18.932 ug/l
RT: 8.275 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:107 Resp: 189522

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.8	113.6

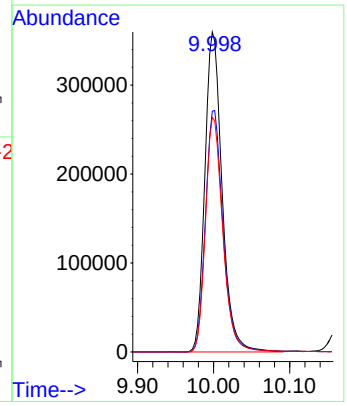


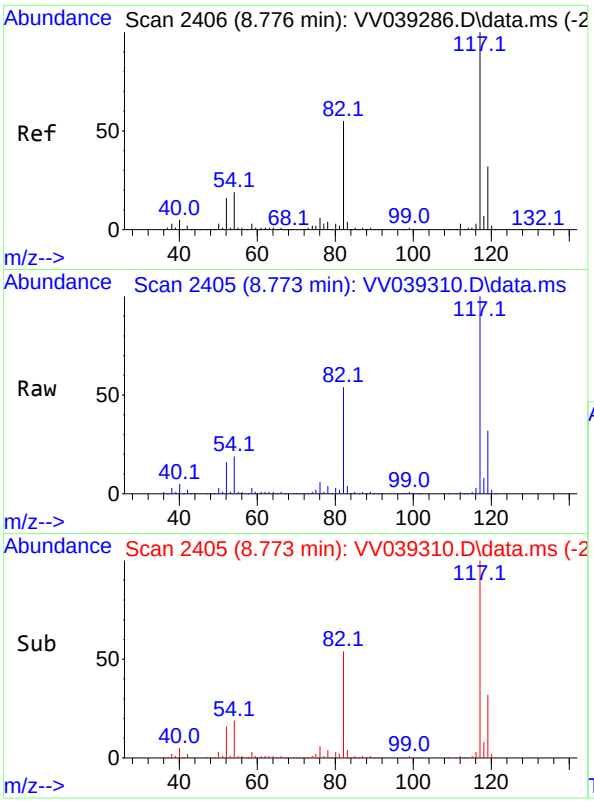


#62
4-Bromofluorobenzene
Concen: 53.478 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 95 Resp: 566888

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	153.6
176	73.9	0.0	146.0



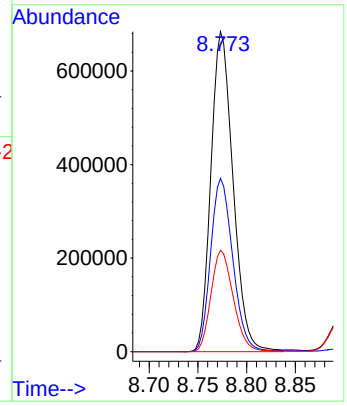


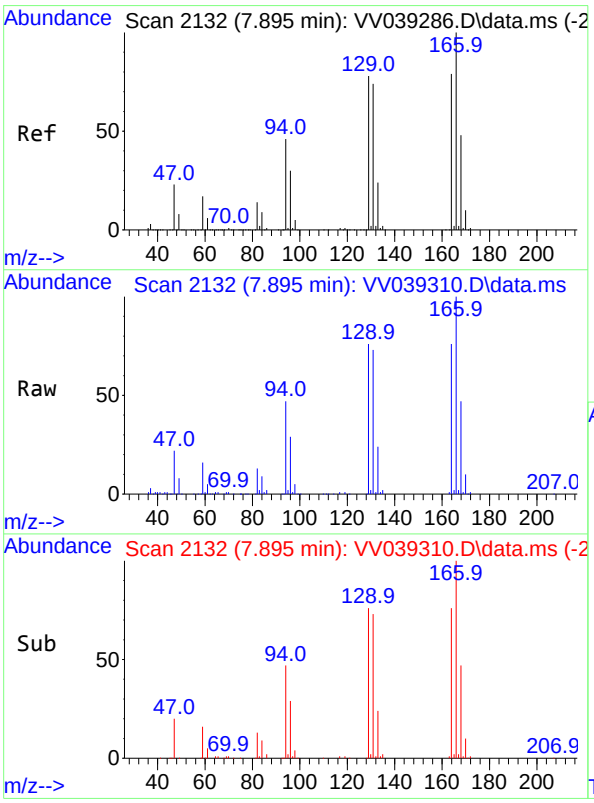
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:117 Resp: 1079972

Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.8
119	31.7	25.8	38.6

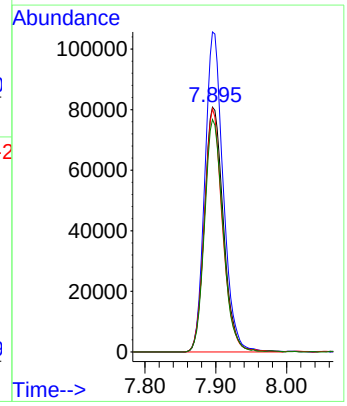


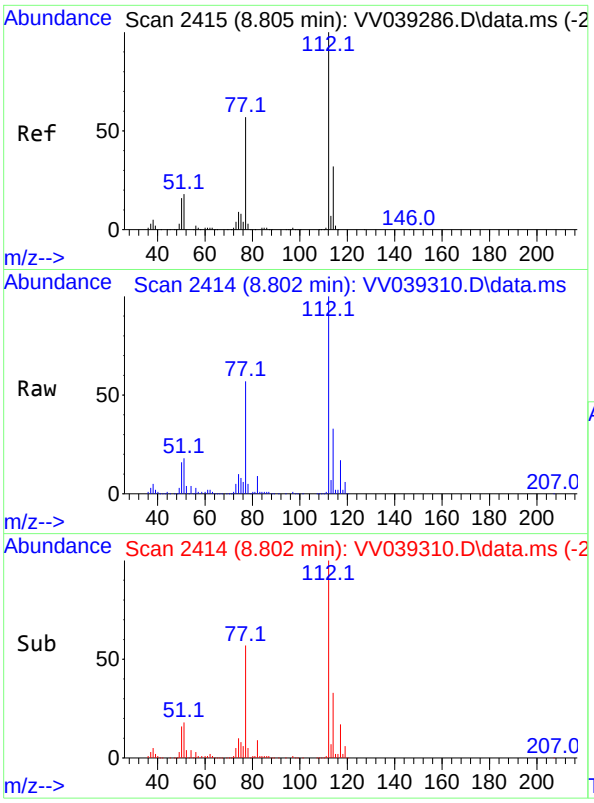


#64
Tetrachloroethene
Concen: 19.006 ug/l
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:164 Resp: 149728

Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.0	151.6
129	99.4	79.0	118.6
131	95.0	74.4	111.6



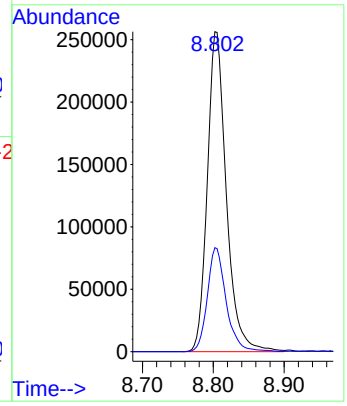


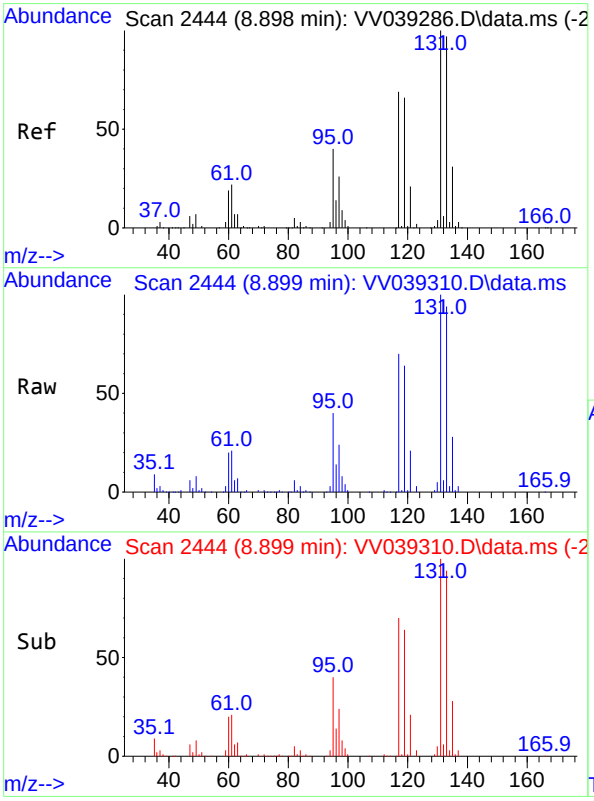
#65
Chlorobenzene
Concen: 18.659 ug/l
RT: 8.802 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:112 Resp: 477053

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.7	38.5

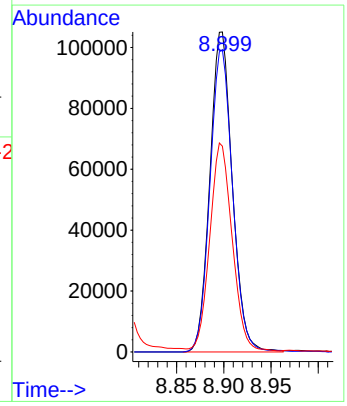


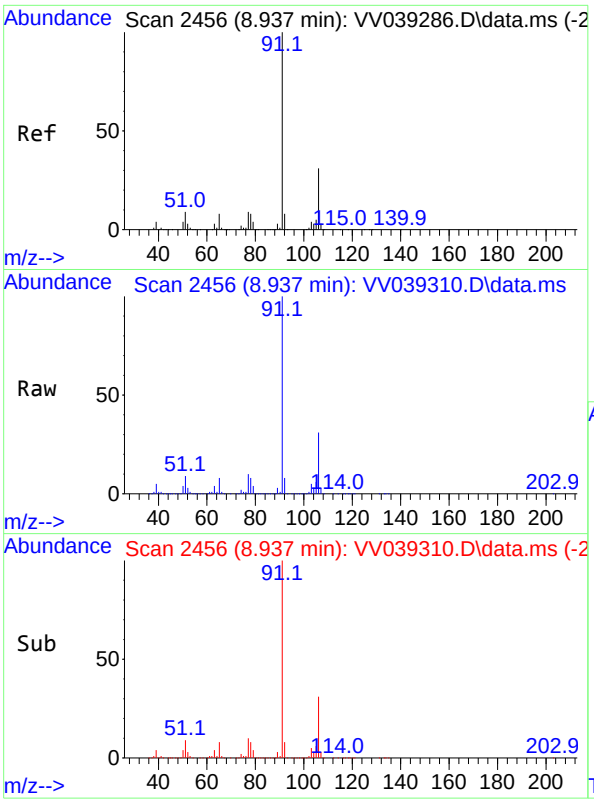


#66
1,1,1,2-Tetrachloroethane
Concen: 18.090 ug/l
RT: 8.899 min Scan# 2444
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:131 Resp: 173236

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.3
119	65.0	32.7	98.1



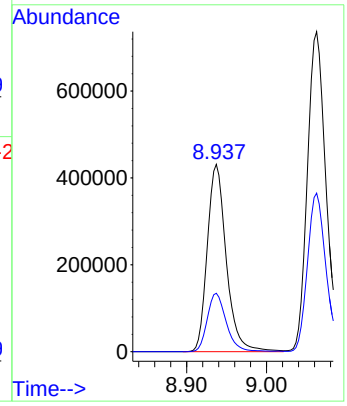


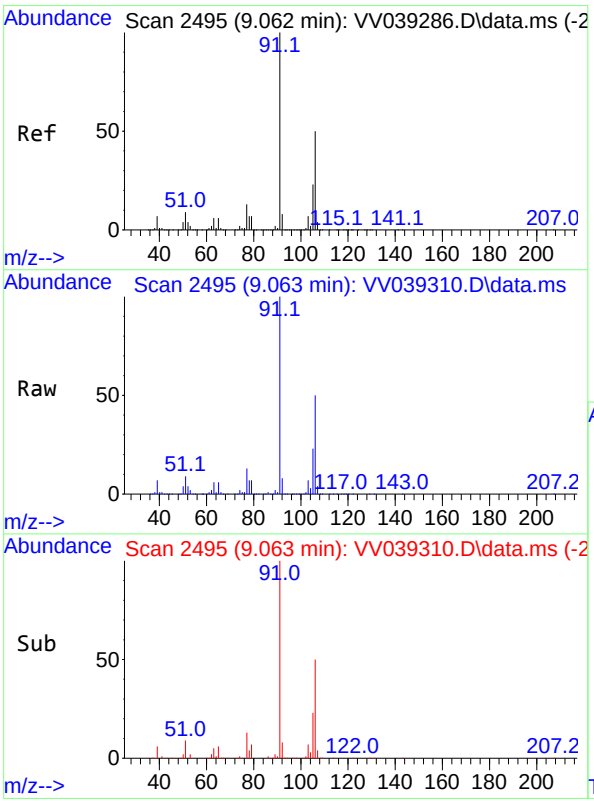
#67
Ethyl Benzene
Concen: 18.975 ug/l
RT: 8.937 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 91 Resp: 714598

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.6	37.0

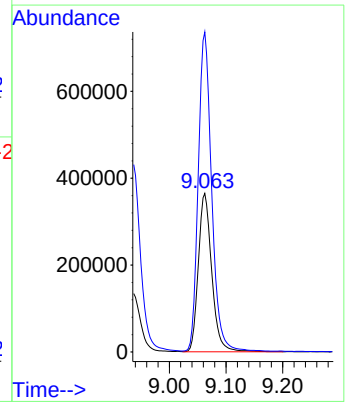


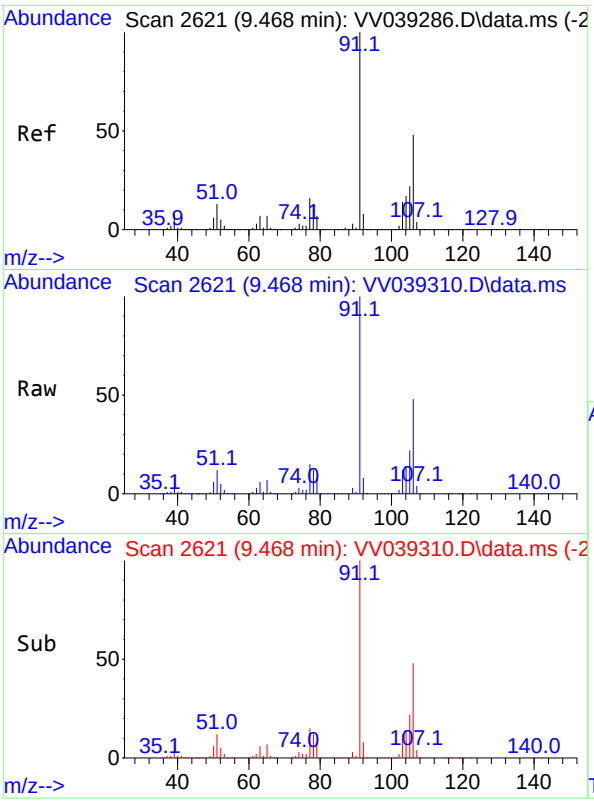


#68
m/p-Xylenes
Concen: 40.166 ug/l
RT: 9.063 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:106 Resp: 599953

Ion	Ratio	Lower	Upper
106	100		
91	201.1	160.2	240.2



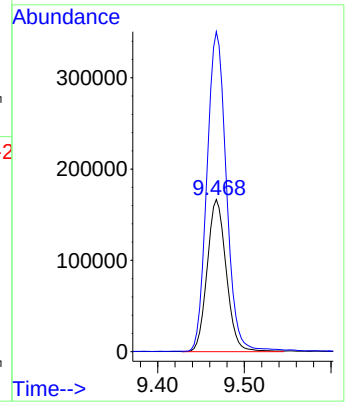


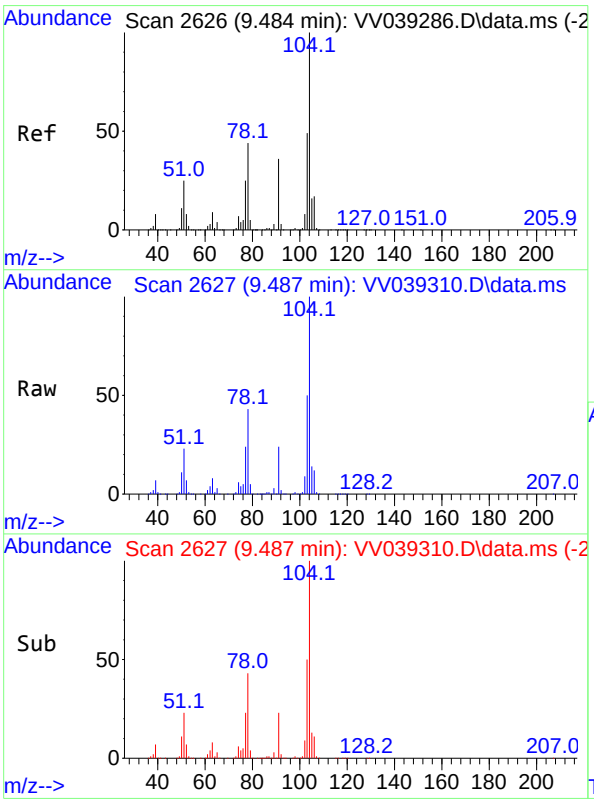
#69
o-Xylene
Concen: 19.346 ug/l
RT: 9.468 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:106 Resp: 255191

Ion	Ratio	Lower	Upper
106	100		
91	213.0	105.8	317.3

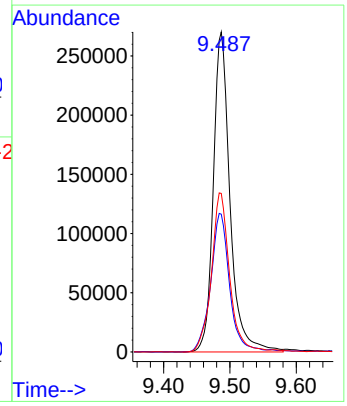


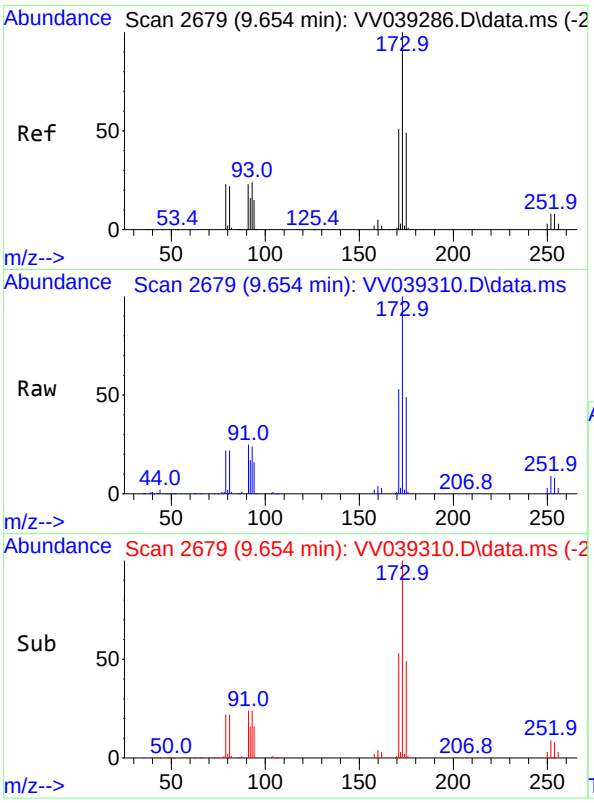


#70
Styrene
Concen: 20.178 ug/l
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:104 Resp: 473582

Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.9	58.3
103	53.8	42.9	64.3



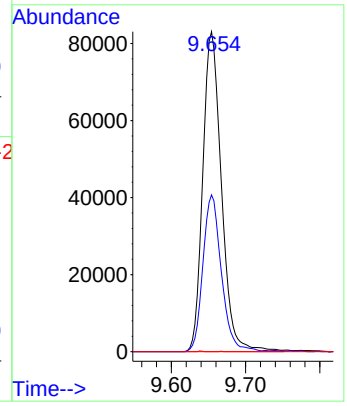


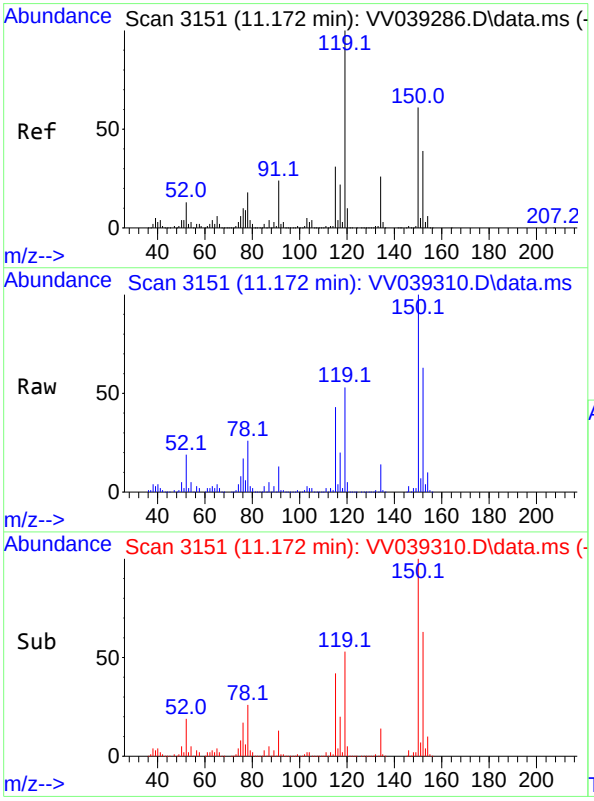
#71
Bromoform
Concen: 18.787 ug/l
RT: 9.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:173 Resp: 145493

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.2	0.2#

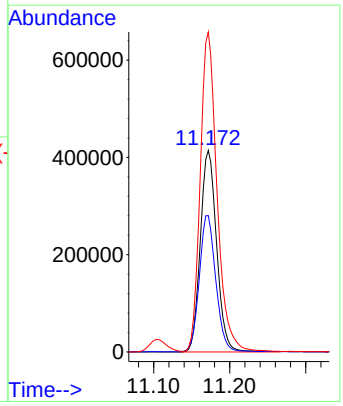


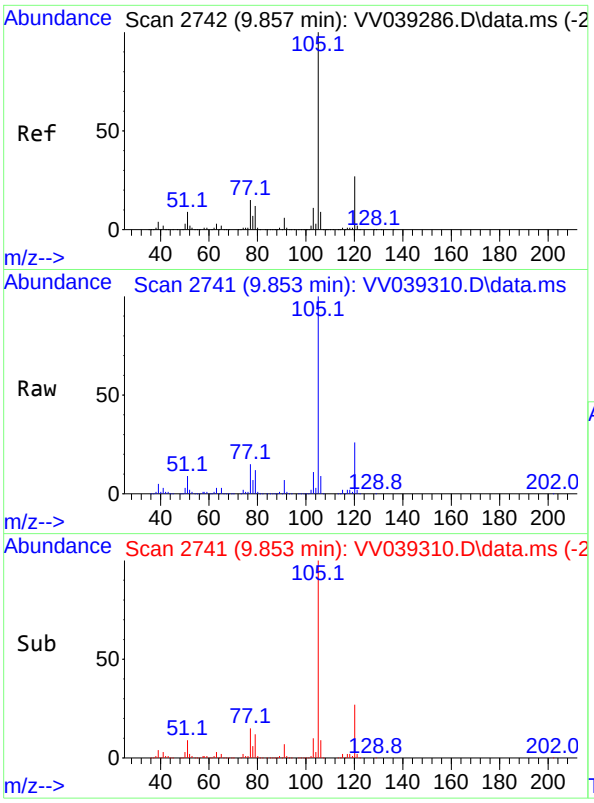


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:152 Resp: 618050

Ion	Ratio	Lower	Upper
152	100		
115	68.3	42.3	126.8
150	163.2	0.0	348.0



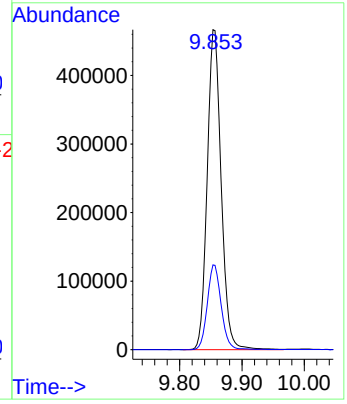


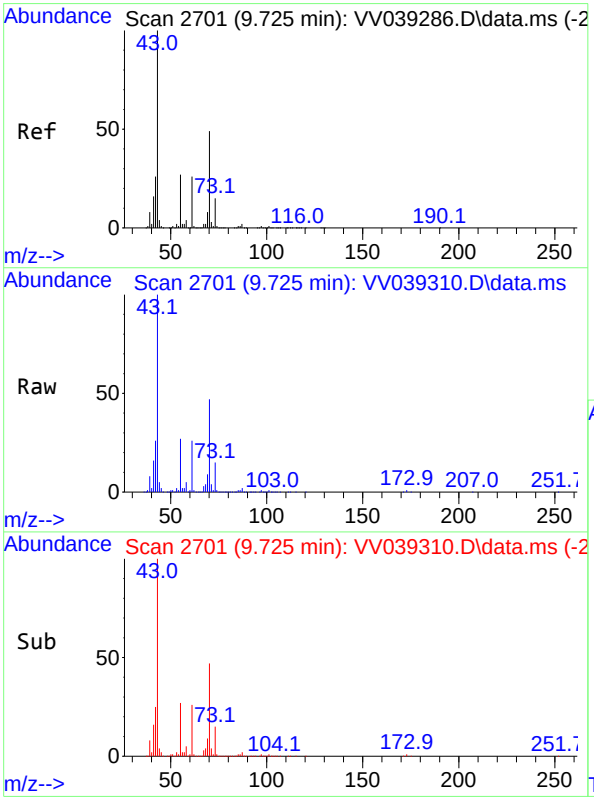
#73
Isopropylbenzene
Concen: 19.349 ug/l
RT: 9.853 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:105 Resp: 726176

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

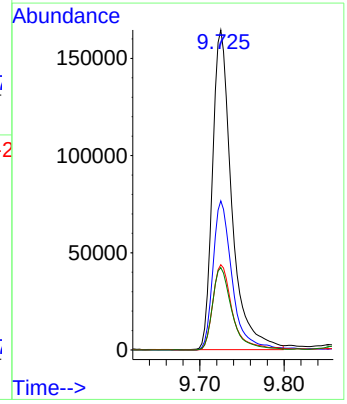


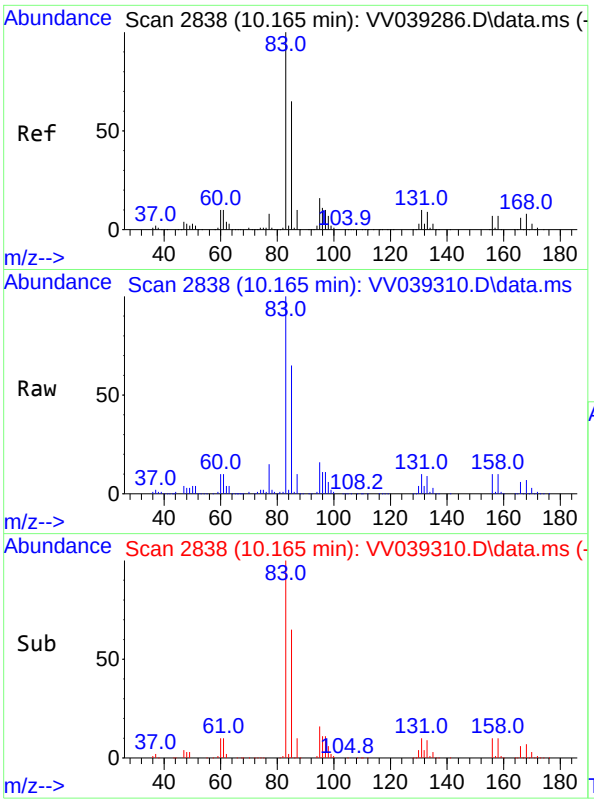


#74
N-amyl acetate
Concen: 16.964 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 43 Resp: 262340

Ion	Ratio	Lower	Upper
43	100		
70	46.5	38.6	58.0
55	27.4	21.9	32.9
61	26.1	21.0	31.4



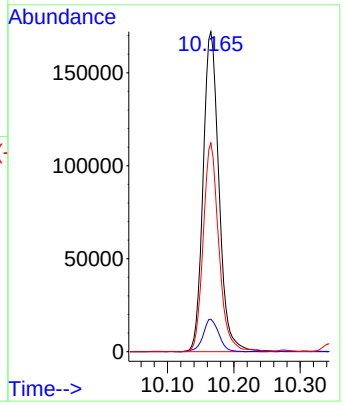


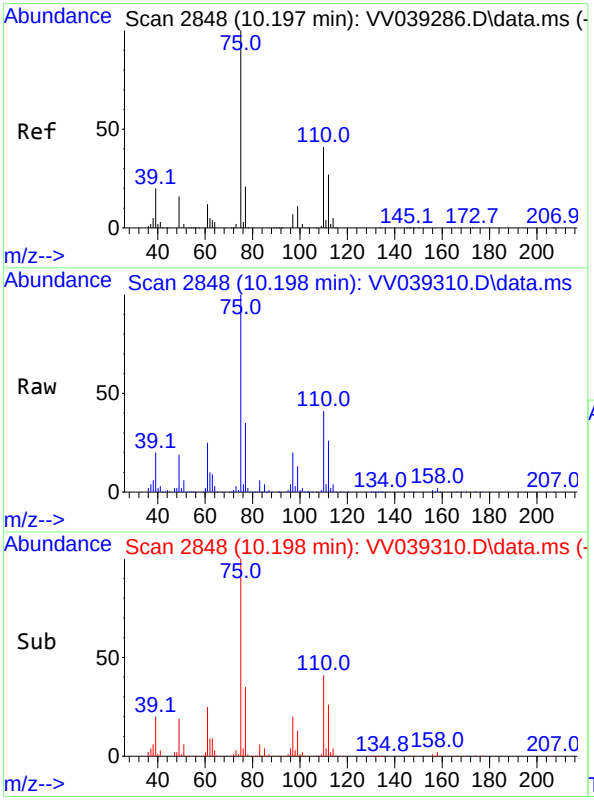
#75
1,1,2,2-Tetrachloroethane
Concen: 16.560 ug/l
RT: 10.165 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 83 Resp: 285417

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	15.0
85	64.7	32.4	97.2

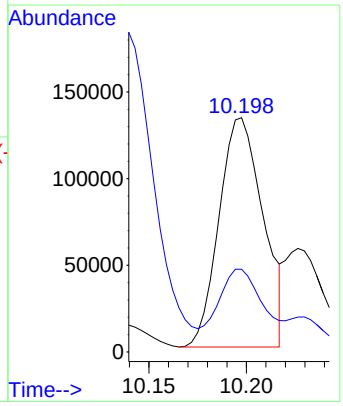


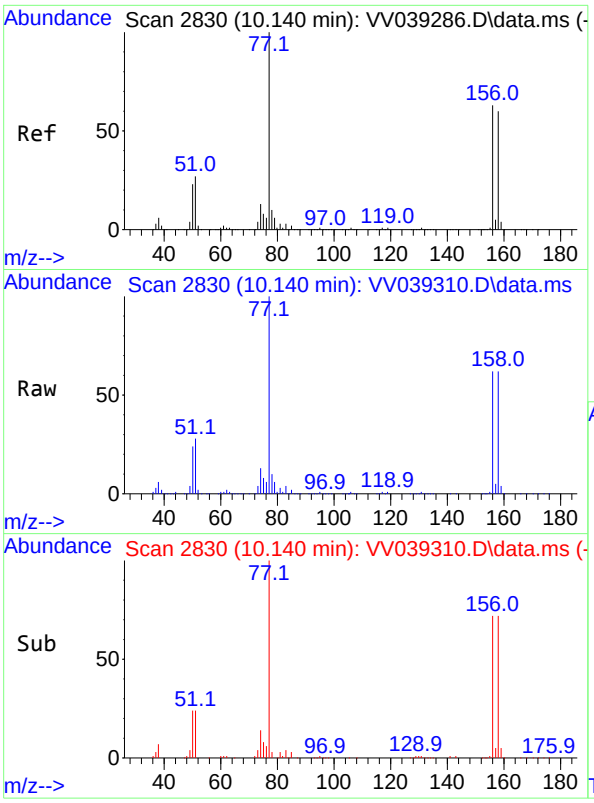


#76
1,2,3-Trichloropropane
Concen: 16.897 ug/l
RT: 10.198 min Scan# 2848
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 75 Resp: 208431

Ion	Ratio	Lower	Upper
75	100		
77	23.3	12.2	36.4



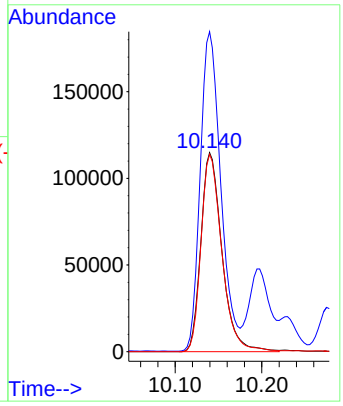


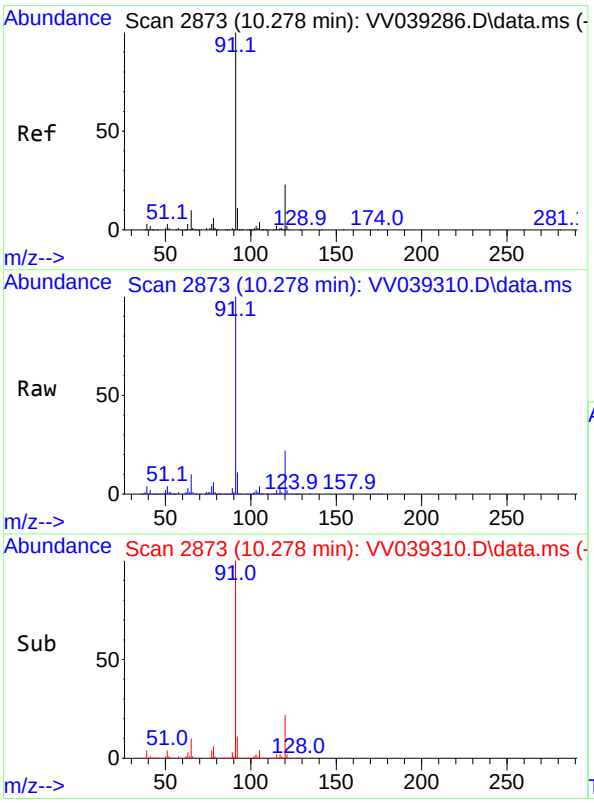
#77
Bromobenzene
Concen: 18.846 ug/l
RT: 10.140 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:156 Resp: 194441

Ion	Ratio	Lower	Upper
156	100		
77	156.1	78.4	235.2
158	97.8	47.7	143.1

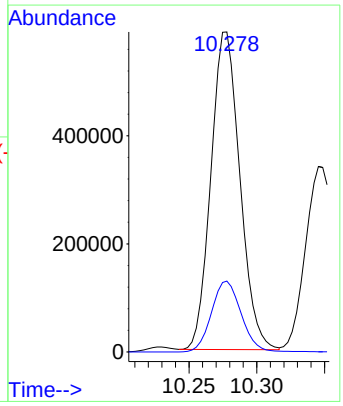


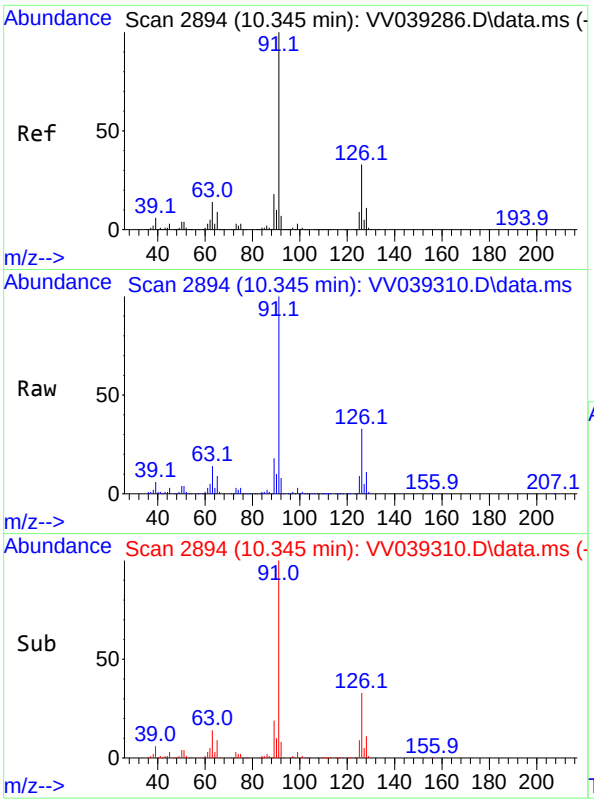


#78
n-propylbenzene
Concen: 19.173 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 91 Resp: 873113

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5



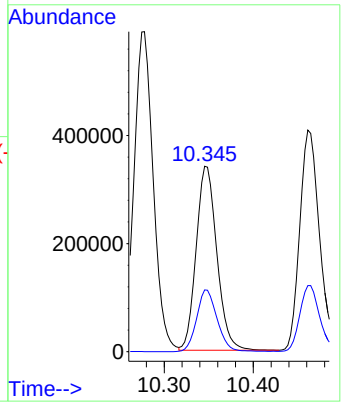


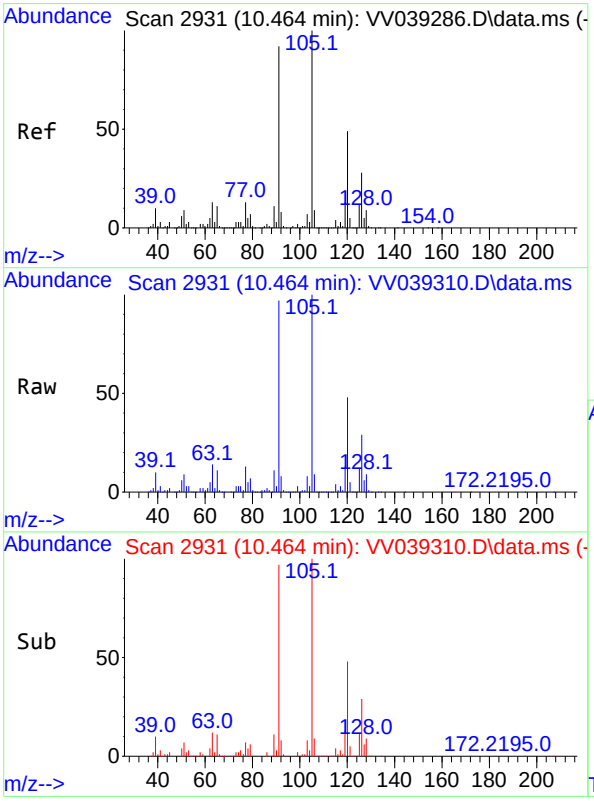
#79
2-Chlorotoluene
Concen: 19.518 ug/l
RT: 10.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 91 Resp: 548766

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.9	50.6

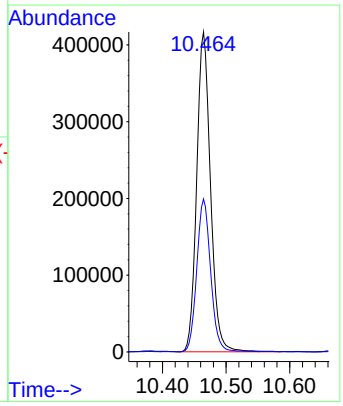


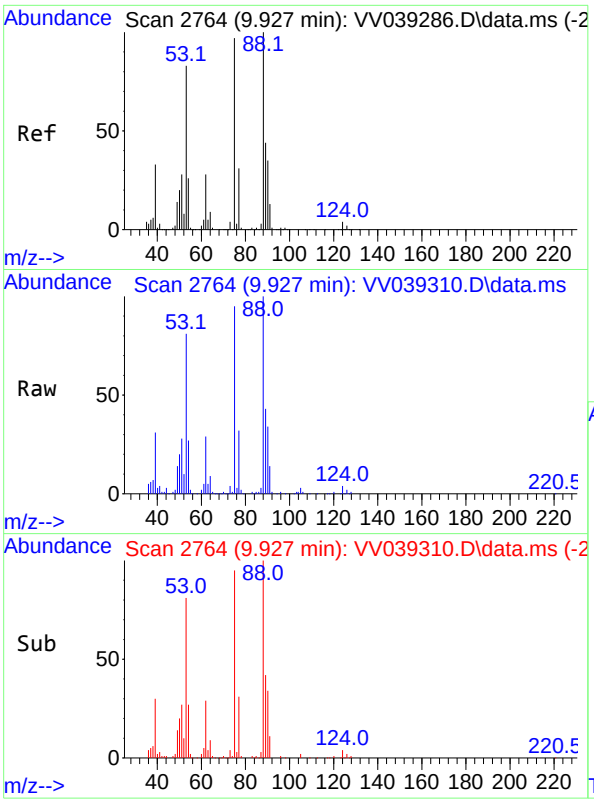


#80
1,3,5-Trimethylbenzene
Concen: 19.974 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:105 Resp: 628719

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.3	73.0



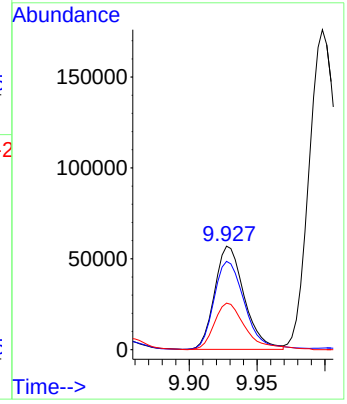


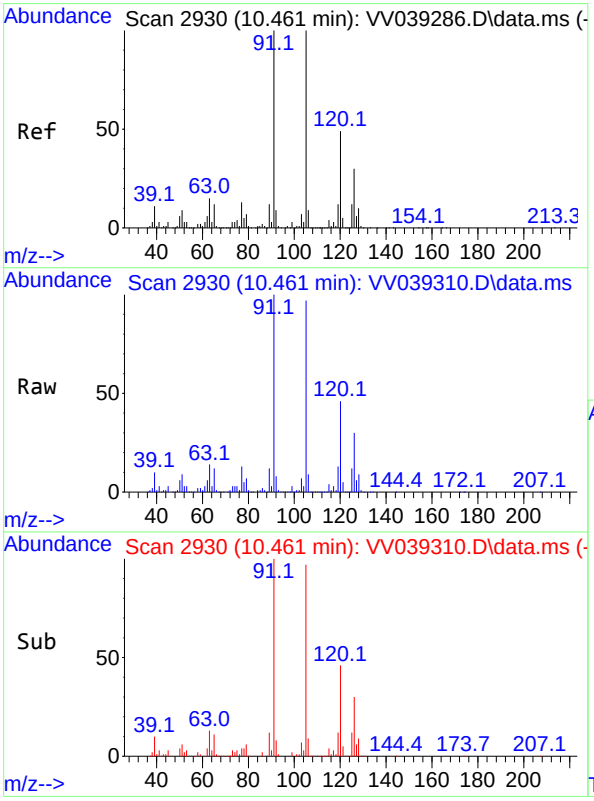
#81
trans-1,4-Dichloro-2-butene
Concen: 17.672 ug/l
RT: 9.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 75 Resp: 86319

Ion	Ratio	Lower	Upper
75	100		
53	88.3	69.9	104.9
89	48.0	37.4	56.0

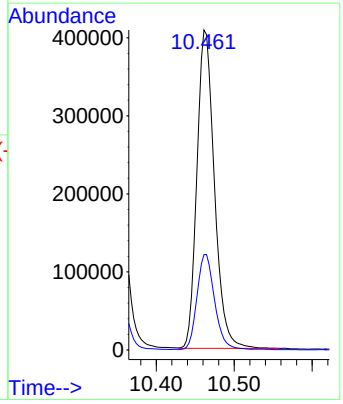


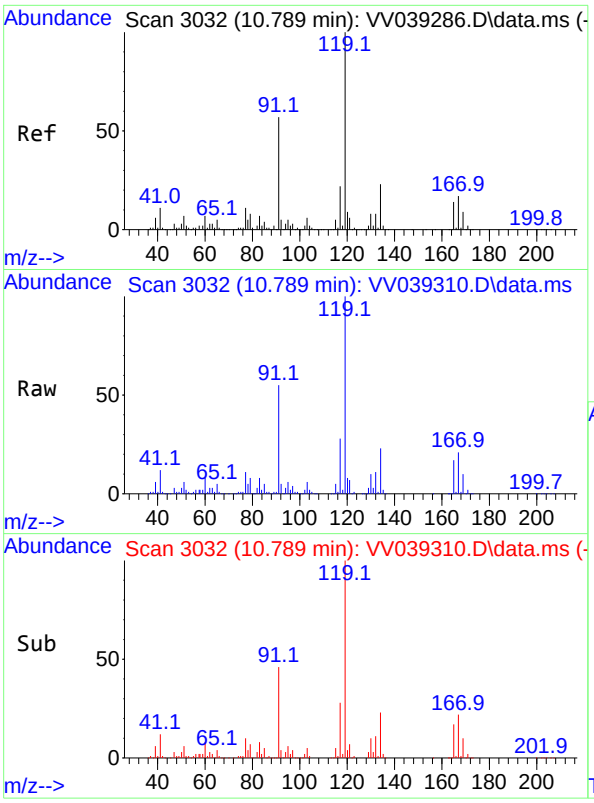


#82
4-Chlorotoluene
Concen: 19.676 ug/l
RT: 10.461 min Scan# 2930
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 91 Resp: 635854

Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.8	44.4



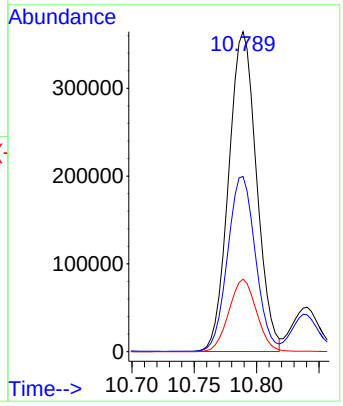


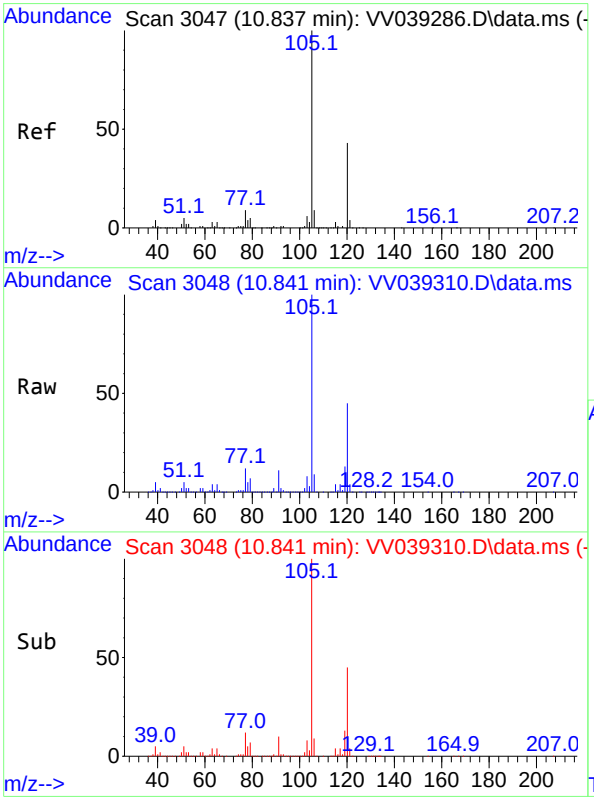
#83
tert-Butylbenzene
Concen: 18.088 ug/l
RT: 10.789 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:119 Resp: 565360

Ion	Ratio	Lower	Upper
119	100		
91	54.7	28.2	84.7
134	22.7	11.5	34.4

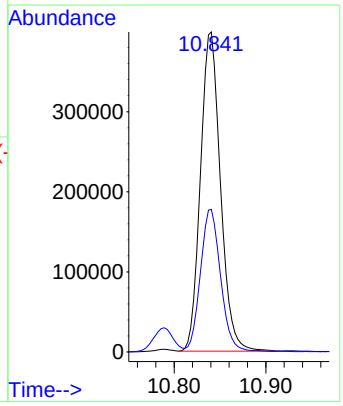


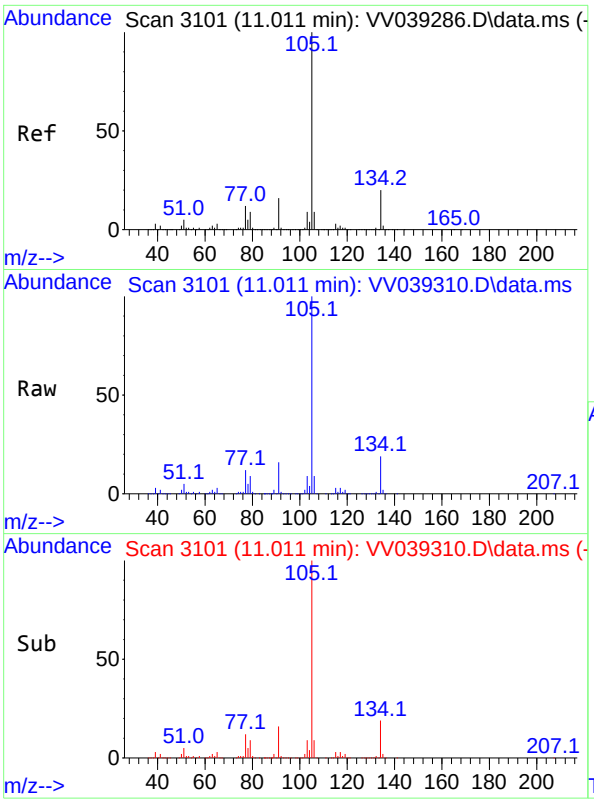


#84
1,2,4-Trimethylbenzene
Concen: 19.501 ug/l
RT: 10.841 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:105 Resp: 604279

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.4



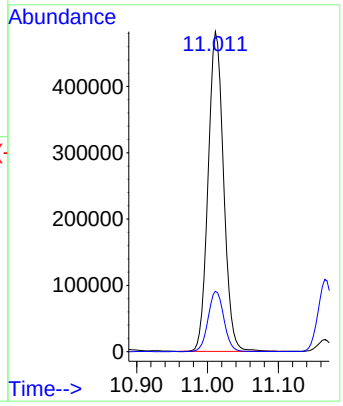


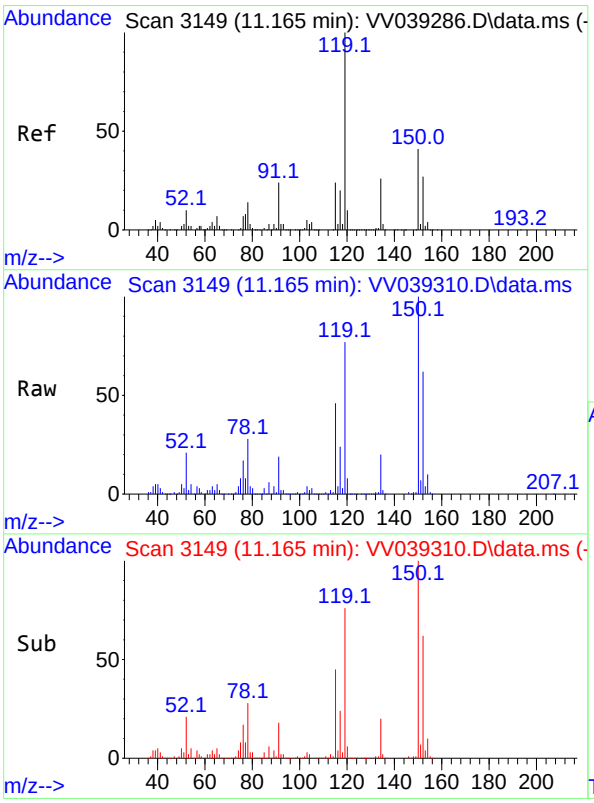
#85
sec-Butylbenzene
Concen: 18.475 ug/l
RT: 11.011 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:105 Resp: 730091

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

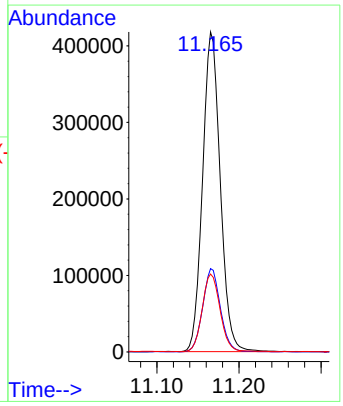


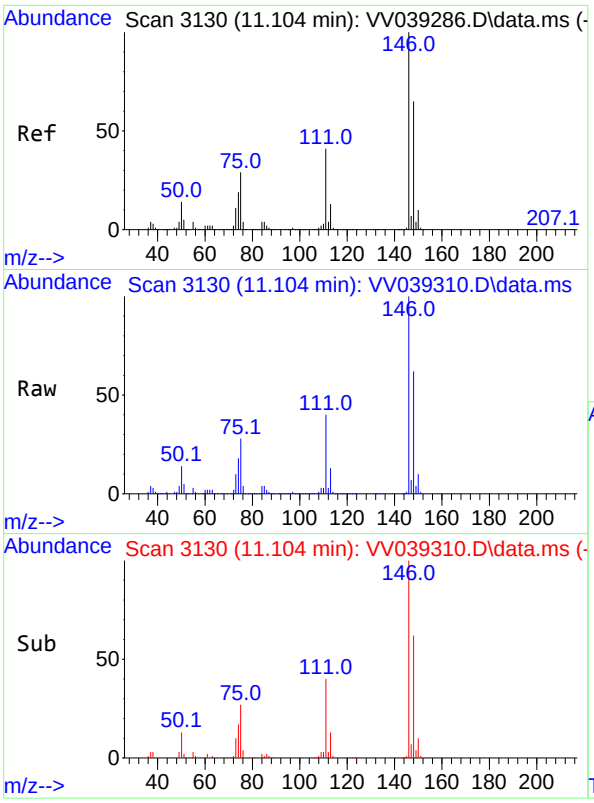


#86
p-Isopropyltoluene
Concen: 18.344 ug/l
RT: 11.165 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:119 Resp: 623275

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	24.6	12.2	36.4



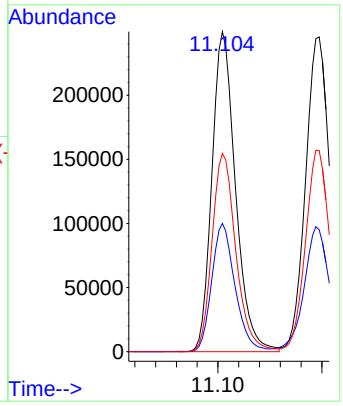


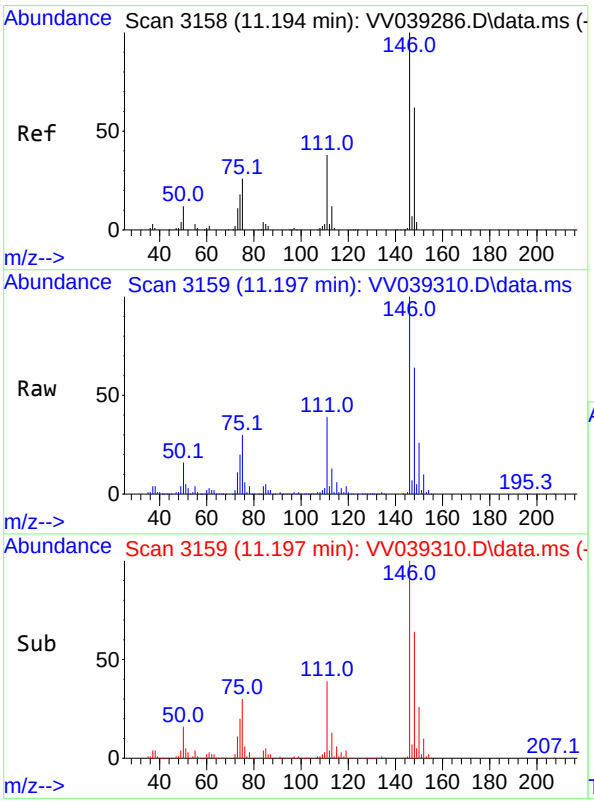
#87
1,3-Dichlorobenzene
Concen: 19.084 ug/l
RT: 11.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:146 Resp: 392721

Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.6	61.8
148	62.6	31.9	95.9

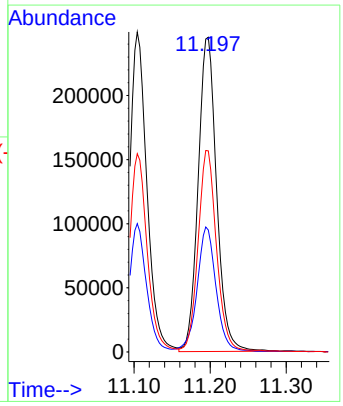


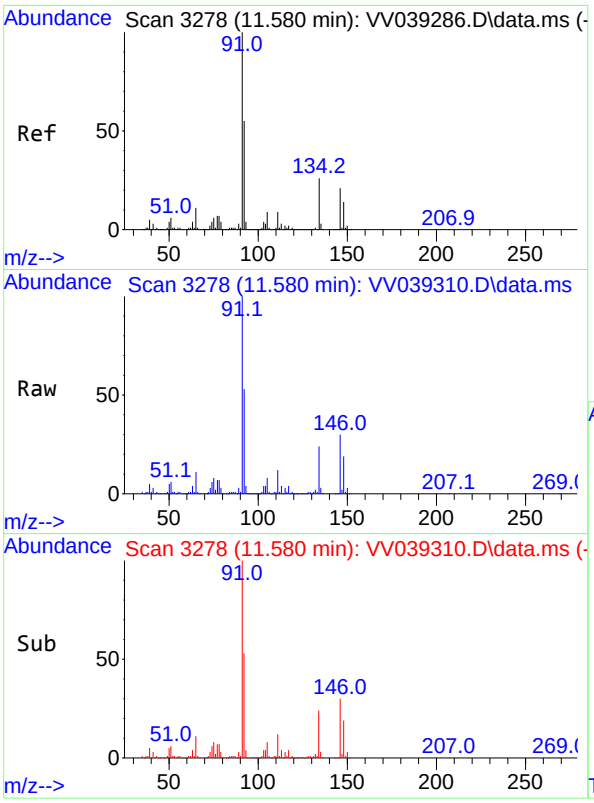


#88
1,4-Dichlorobenzene
Concen: 17.972 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:146 Resp: 413908

Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.0
148	63.8	31.5	94.5



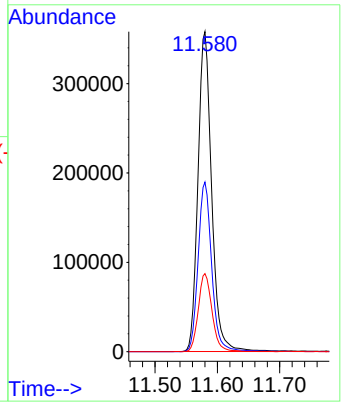


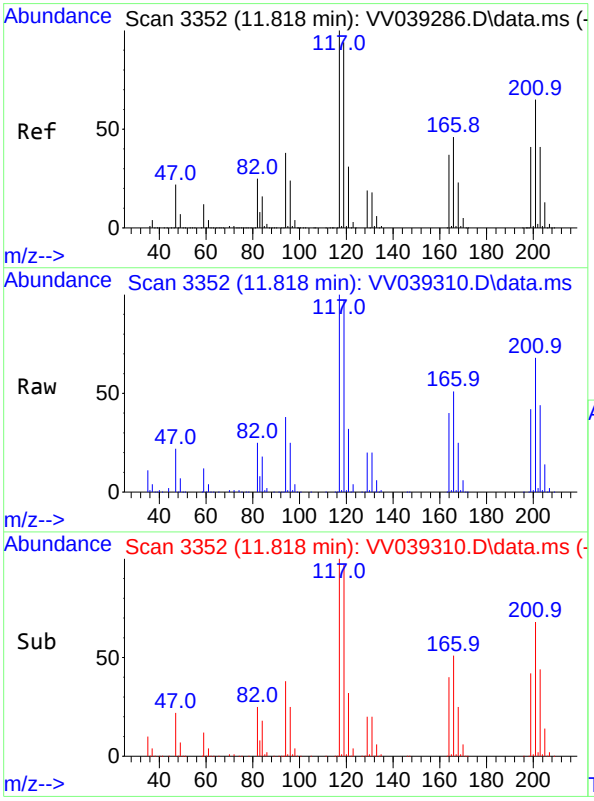
#89
n-Butylbenzene
Concen: 17.219 ug/l
RT: 11.580 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion: 91 Resp: 544830

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.6
134	24.6	12.6	37.8

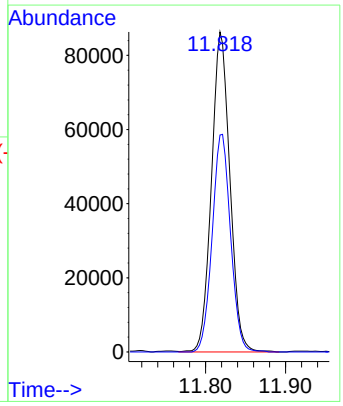


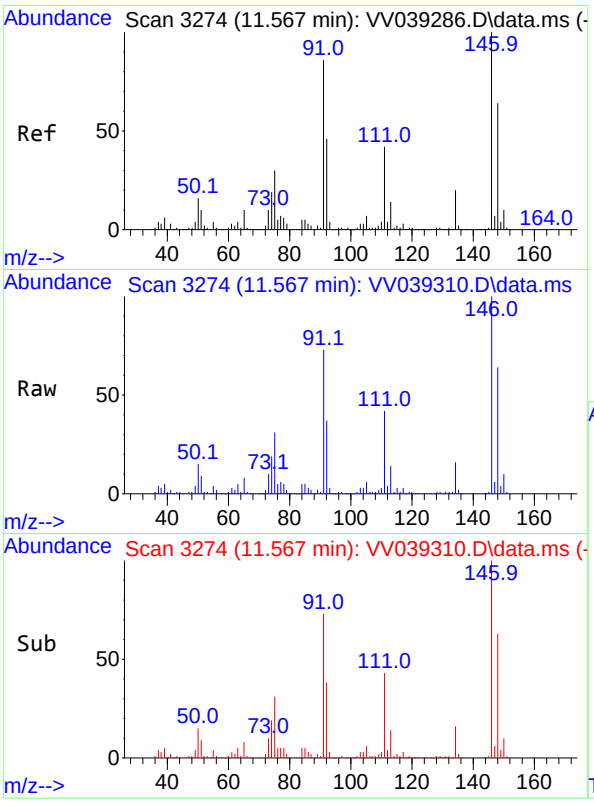


#90
Hexachloroethane
Concen: 16.396 ug/l
RT: 11.818 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:117 Resp: 137751

Ion	Ratio	Lower	Upper
117	100		
201	67.8	33.7	101.1



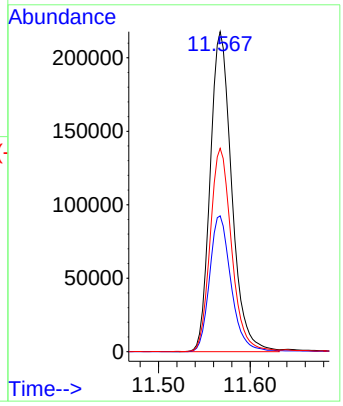


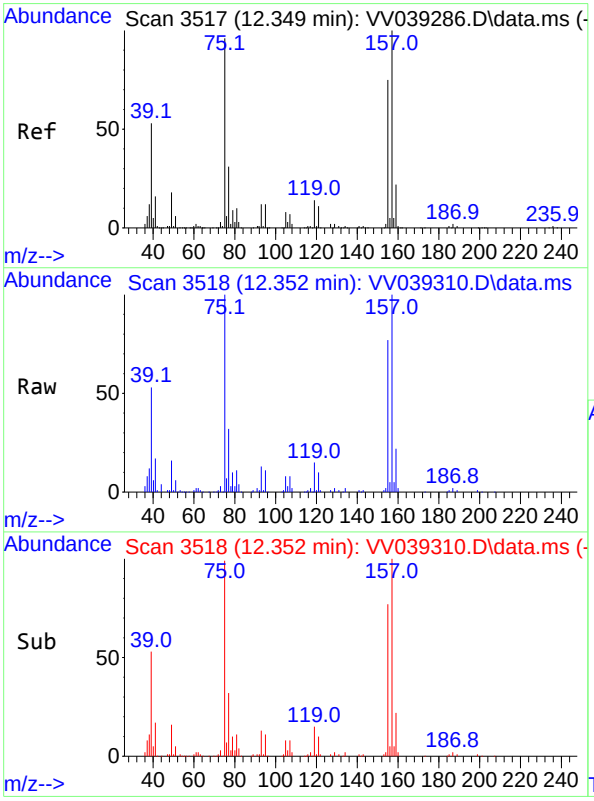
#91
1,2-Dichlorobenzene
Concen: 18.140 ug/l
RT: 11.567 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:146 Resp: 355117

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	64.0
148	63.2	31.9	95.7

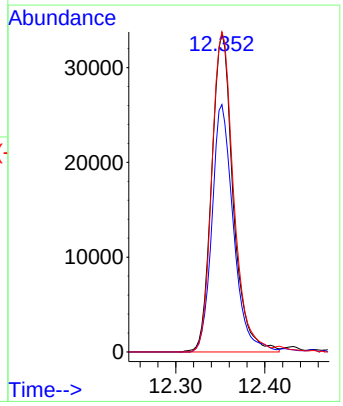


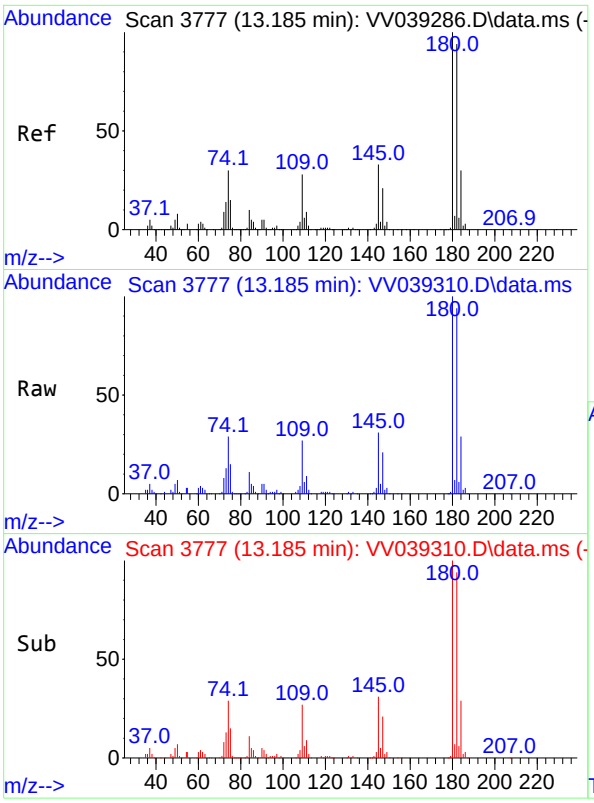


#92
1,2-Dibromo-3-Chloropropane
Concen: 15.916 ug/l
RT: 12.352 min Scan# 3518
Delta R.T. 0.003 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion: 75 Resp: 56405

Ion	Ratio	Lower	Upper
75	100		
155	77.4	40.8	122.5
157	101.3	53.3	160.0



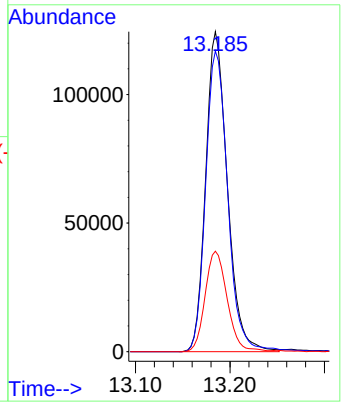


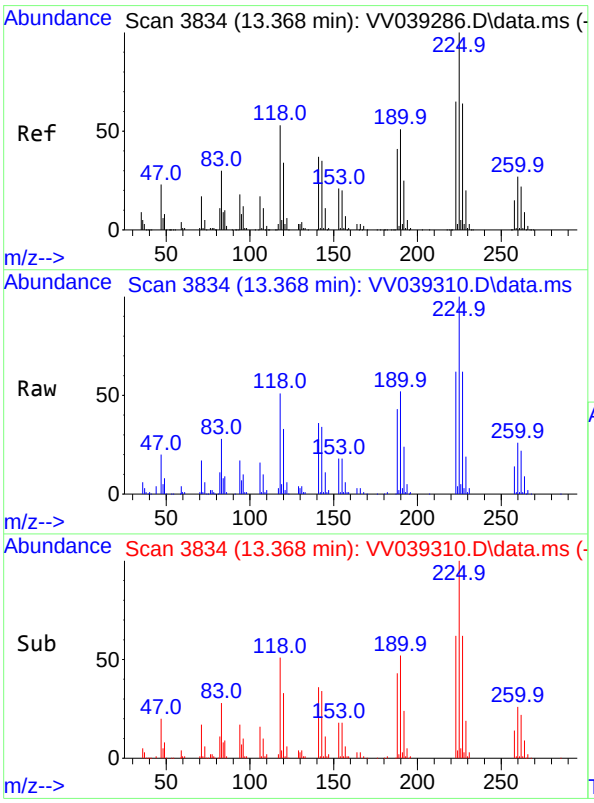
#93
1,2,4-Trichlorobenzene
Concen: 18.149 ug/l
RT: 13.185 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:180 Resp: 198152

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.9
145	32.0	16.3	48.9

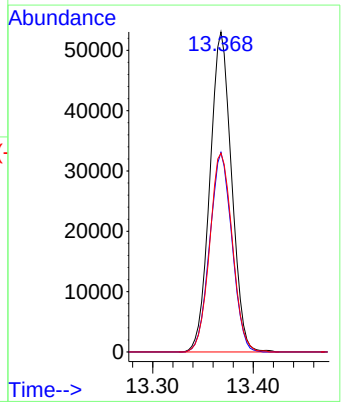


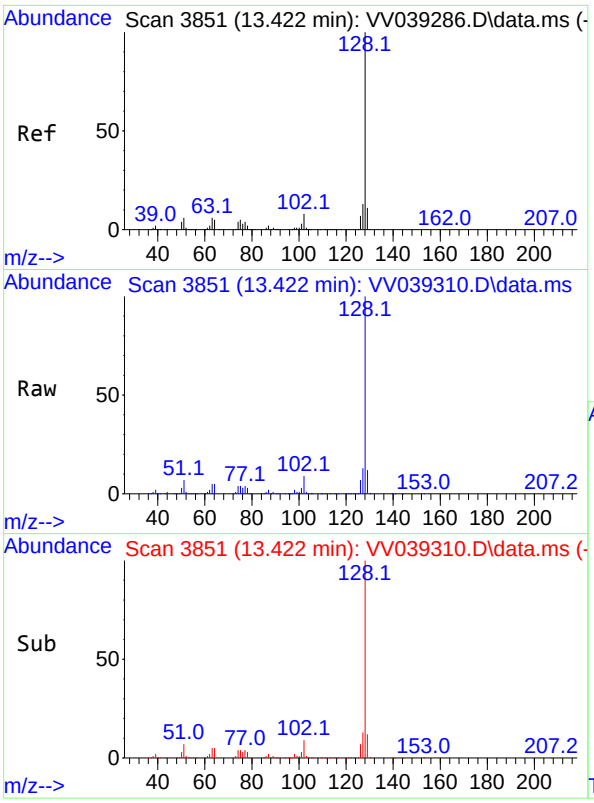


#94
Hexachlorobutadiene
Concen: 14.366 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:225 Resp: 79422

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.3	93.8
227	64.8	31.7	95.1



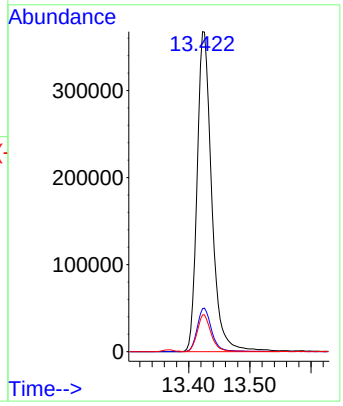


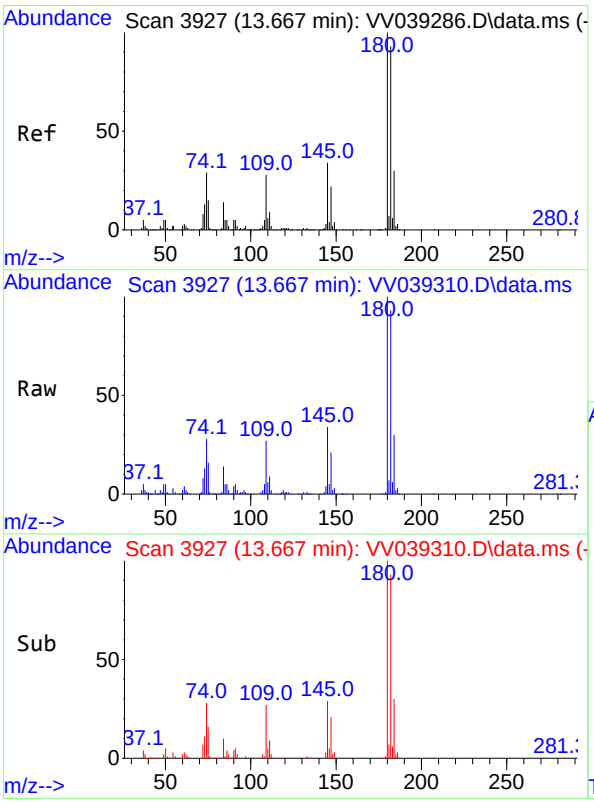
#95
Naphthalene
Concen: 17.050 ug/l
RT: 13.422 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Tgt Ion:128 Resp: 609877

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.9	8.6	12.8

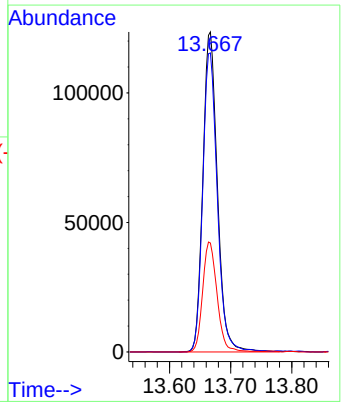




#96
1,2,3-Trichlorobenzene
Concen: 17.965 ug/l
RT: 13.667 min Scan# 3927
Delta R.T. 0.000 min
Lab File: VV039310.D
Acq: 04 Nov 2025 13:12

Tgt Ion:180 Resp: 203858

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.7	140.1
145	34.0	17.2	51.5



Raw Data: **VY023562.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1024SBSD01	SDG No.:	Q3434
Lab Sample ID:	VY1024SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	19.0		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
74-87-3	Chloromethane	17.9		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
75-01-4	Vinyl Chloride	18.8		1	0.79	5.00	ug/Kg	10/24/25 10:14	VY102425
74-83-9	Bromomethane	21.4		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
75-00-3	Chloroethane	19.6		1	1.30	5.00	ug/Kg	10/24/25 10:14	VY102425
75-69-4	Trichlorofluoromethane	20.3		1	1.20	5.00	ug/Kg	10/24/25 10:14	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
75-35-4	1,1-Dichloroethene	20.8		1	1.00	5.00	ug/Kg	10/24/25 10:14	VY102425
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/24/25 10:14	VY102425
75-15-0	Carbon Disulfide	19.0		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
1634-04-4	Methyl tert-butyl Ether	21.1		1	0.73	5.00	ug/Kg	10/24/25 10:14	VY102425
79-20-9	Methyl Acetate	17.5		1	1.50	5.00	ug/Kg	10/24/25 10:14	VY102425
75-09-2	Methylene Chloride	19.3		1	3.50	10.0	ug/Kg	10/24/25 10:14	VY102425
156-60-5	trans-1,2-Dichloroethene	21.1		1	0.86	5.00	ug/Kg	10/24/25 10:14	VY102425
75-34-3	1,1-Dichloroethane	20.6		1	0.80	5.00	ug/Kg	10/24/25 10:14	VY102425
110-82-7	Cyclohexane	19.2		1	0.79	5.00	ug/Kg	10/24/25 10:14	VY102425
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	10/24/25 10:14	VY102425
56-23-5	Carbon Tetrachloride	21.4		1	0.97	5.00	ug/Kg	10/24/25 10:14	VY102425
156-59-2	cis-1,2-Dichloroethene	21.7		1	0.75	5.00	ug/Kg	10/24/25 10:14	VY102425
74-97-5	Bromochloromethane	20.0		1	1.20	5.00	ug/Kg	10/24/25 10:14	VY102425
67-66-3	Chloroform	21.3		1	0.84	5.00	ug/Kg	10/24/25 10:14	VY102425
71-55-6	1,1,1-Trichloroethane	21.2		1	0.93	5.00	ug/Kg	10/24/25 10:14	VY102425
108-87-2	Methylcyclohexane	20.7		1	0.91	5.00	ug/Kg	10/24/25 10:14	VY102425
71-43-2	Benzene	21.3		1	0.79	5.00	ug/Kg	10/24/25 10:14	VY102425
107-06-2	1,2-Dichloroethane	20.4		1	0.79	5.00	ug/Kg	10/24/25 10:14	VY102425
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/24/25 10:14	VY102425
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/24/25 10:14	VY102425
75-27-4	Bromodichloromethane	21.6		1	0.78	5.00	ug/Kg	10/24/25 10:14	VY102425
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	10/24/25 10:14	VY102425
108-88-3	Toluene	21.9		1	0.78	5.00	ug/Kg	10/24/25 10:14	VY102425
10061-02-6	t-1,3-Dichloropropene	21.3		1	0.65	5.00	ug/Kg	10/24/25 10:14	VY102425
10061-01-5	cis-1,3-Dichloropropene	21.8		1	0.62	5.00	ug/Kg	10/24/25 10:14	VY102425
79-00-5	1,1,2-Trichloroethane	23.0		1	0.92	5.00	ug/Kg	10/24/25 10:14	VY102425
591-78-6	2-Hexanone	120		1	3.70	25.0	ug/Kg	10/24/25 10:14	VY102425
124-48-1	Dibromochloromethane	22.7		1	0.87	5.00	ug/Kg	10/24/25 10:14	VY102425
106-93-4	1,2-Dibromoethane	22.5		1	0.88	5.00	ug/Kg	10/24/25 10:14	VY102425
127-18-4	Tetrachloroethene	21.3		1	1.10	5.00	ug/Kg	10/24/25 10:14	VY102425
108-90-7	Chlorobenzene	21.9		1	0.91	5.00	ug/Kg	10/24/25 10:14	VY102425
100-41-4	Ethyl Benzene	21.5		1	0.67	5.00	ug/Kg	10/24/25 10:14	VY102425
179601-23-1	m/p-Xylenes	44.4		1	1.20	10.0	ug/Kg	10/24/25 10:14	VY102425
95-47-6	o-Xylene	22.0		1	0.82	5.00	ug/Kg	10/24/25 10:14	VY102425
100-42-5	Styrene	21.9		1	0.71	5.00	ug/Kg	10/24/25 10:14	VY102425
75-25-2	Bromoform	22.6		1	0.86	5.00	ug/Kg	10/24/25 10:14	VY102425

Raw Data: **VY023562.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1024SBSD01	SDG No.:	Q3434
Lab Sample ID:	VY1024SBSD01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.8		1	0.78	5.00	ug/Kg	10/24/25 10:14	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1	1.20	5.00	ug/Kg	10/24/25 10:14	VY102425
541-73-1	1,3-Dichlorobenzene	22.0		1	1.70	5.00	ug/Kg	10/24/25 10:14	VY102425
106-46-7	1,4-Dichlorobenzene	21.8		1	1.60	5.00	ug/Kg	10/24/25 10:14	VY102425
95-50-1	1,2-Dichlorobenzene	22.3		1	1.50	5.00	ug/Kg	10/24/25 10:14	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	22.0		1	1.80	5.00	ug/Kg	10/24/25 10:14	VY102425
120-82-1	1,2,4-Trichlorobenzene	21.9		1	3.00	5.00	ug/Kg	10/24/25 10:14	VY102425
87-61-6	1,2,3-Trichlorobenzene	21.4		1	3.20	5.00	ug/Kg	10/24/25 10:14	VY102425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	44.4			63 - 155	89%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.4			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	47.6			74 - 123	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.8			17 - 146	96%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	537000							
540-36-3	1,4-Difluorobenzene	784000							
3114-55-4	Chlorobenzene-d5	687000							
3855-82-1	1,4-Dichlorobenzene-d4	361000							

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_Y\Data\VY102425\
Data File : VY023562.D
Acq On : 24 Oct 2025 10:14
Operator : SY/MD
Sample : VY1024SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 23:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	536786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	783587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	686581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	360721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	199332	44.408	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.820%			
35) Dibromofluoromethane	7.634	113	237654	49.359	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.720%			
50) Toluene-d8	10.109	98	853846	47.619	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.240%			
62) 4-Bromofluorobenzene	12.402	95	282869	47.784	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	73403	18.998	ug/l	97
3) Chloromethane	2.074	50	94123	17.883	ug/l	99
4) Vinyl Chloride	2.208	62	128692	18.772	ug/l	99
5) Bromomethane	2.592	94	123016	21.383	ug/l	100
6) Chloroethane	2.733	64	91499	19.580	ug/l	99
7) Trichlorofluoromethane	3.056	101	193303	20.308	ug/l	98
8) Diethyl Ether	3.458	74	53195	21.387	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.818	101	104696	21.196	ug/l	98
10) Methyl Iodide	4.007	142	113792	20.694	ug/l	97
11) Tert butyl alcohol	4.860	59	36821	110.265	ug/l	97
12) 1,1-Dichloroethene	3.793	96	99711	20.824	ug/l	96
13) Acrolein	3.647	56	24350	51.605	ug/l	99
14) Allyl chloride	4.385	41	108412	18.578	ug/l	97
15) Acrylonitrile	5.061	53	94812	99.605	ug/l	99
16) Acetone	3.873	43	141337	132.262	ug/l	98
17) Carbon Disulfide	4.104	76	260295	18.993	ug/l	99
18) Methyl Acetate	4.391	43	48921	17.452	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	243330	21.144	ug/l	99
20) Methylene Chloride	4.623	84	111608	19.315	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	111012	21.058	ug/l	98
22) Diisopropyl ether	6.025	45	259309	20.089	ug/l	99
23) Vinyl Acetate	5.964	43	706151	101.069	ug/l	96
24) 1,1-Dichloroethane	5.921	63	176426	20.634	ug/l	99
25) 2-Butanone	6.896	43	153481	117.645	ug/l	95
26) 2,2-Dichloropropane	6.884	77	168220	21.441	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	132133	21.699	ug/l	95
28) Bromochloromethane	7.244	49	63974	20.042	ug/l	91
29) Tetrahydrofuran	7.262	42	71418	96.536	ug/l	94
30) Chloroform	7.427	83	199992	21.289	ug/l	100
31) Cyclohexane	7.701	56	143461	19.213	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	181103	21.213	ug/l	98
36) 1,1-Dichloropropene	7.835	75	134460	21.094	ug/l	99
37) Ethyl Acetate	6.988	43	51097	20.234	ug/l	97
38) Carbon Tetrachloride	7.817	117	165067	21.356	ug/l	97
39) Methylcyclohexane	9.110	83	171472	20.661	ug/l	97
40) Benzene	8.079	78	429319	21.267	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023562.D
Acq On : 24 Oct 2025 10:14
Operator : SY/MD
Sample : VY1024SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 23:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.238	41	27166m	19.890 ug/l		
42) 1,2-Dichloroethane	8.158	62	106025	20.365 ug/l		97
43) Isopropyl Acetate	8.201	43	101137	20.085 ug/l	#	84
44) Trichloroethene	8.866	130	129117	21.853 ug/l		100
45) 1,2-Dichloropropane	9.140	63	93853	21.049 ug/l		97
46) Dibromomethane	9.231	93	61356	21.762 ug/l		96
47) Bromodichloromethane	9.420	83	153350	21.596 ug/l		99
48) Methyl methacrylate	9.219	41	43837	18.531 ug/l		86
49) 1,4-Dioxane	9.225	88	13942	426.504 ug/l		97
51) 4-Methyl-2-Pentanone	10.000	43	269342	103.526 ug/l		98
52) Toluene	10.170	92	287505	21.935 ug/l		98
53) t-1,3-Dichloropropene	10.396	75	131216	21.252 ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	158569	21.760 ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	87086	22.969 ug/l		96
56) Ethyl methacrylate	10.439	69	92237	21.090 ug/l		94
57) 1,3-Dichloropropane	10.719	76	132832	22.110 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	197494	100.804 ug/l		97
59) 2-Hexanone	10.762	43	217078	116.754 ug/l		97
60) Dibromochloromethane	10.914	129	120798	22.725 ug/l		98
61) 1,2-Dibromoethane	11.012	107	81298	22.484 ug/l		98
64) Tetrachloroethene	10.646	164	151062	21.309 ug/l		99
65) Chlorobenzene	11.438	112	326646	21.874 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	118969	22.357 ug/l		99
67) Ethyl Benzene	11.518	91	519038	21.473 ug/l		98
68) m/p-Xylenes	11.627	106	430825	44.437 ug/l		98
69) o-Xylene	11.950	106	199866	21.978 ug/l		98
70) Styrene	11.969	104	327085	21.872 ug/l		99
71) Bromoform	12.133	173	74587	22.597 ug/l	#	98
73) Isopropylbenzene	12.255	105	517060	21.751 ug/l		99
74) N-amyl acetate	12.066	43	85040	19.917 ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	87273	22.446 ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	60466m	18.999 ug/l		
77) Bromobenzene	12.530	156	139180	22.023 ug/l		97
78) n-propylbenzene	12.591	91	602594	21.905 ug/l		99
79) 2-Chlorotoluene	12.676	91	347665	21.582 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	429209	22.344 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.298	75	27474	21.169 ug/l		97
82) 4-Chlorotoluene	12.774	91	360070	21.703 ug/l		98
83) tert-Butylbenzene	12.993	119	398925	22.492 ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	424880	22.163 ug/l		99
85) sec-Butylbenzene	13.170	105	564414	22.184 ug/l		100
86) p-Isopropyltoluene	13.286	119	482314	22.265 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	271316	22.046 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	264489	21.761 ug/l		99
89) n-Butylbenzene	13.615	91	410914	21.770 ug/l		99
90) Hexachloroethane	13.877	117	103152	22.140 ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	240455	22.286 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14028	21.989 ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	147428	21.918 ug/l		98
94) Hexachlorobutadiene	15.017	225	91078	21.721 ug/l		99
95) Naphthalene	15.139	128	228739	21.355 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	124725	21.407 ug/l		99

Sample Results: **VY023562.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023562.D
Acq On : 24 Oct 2025 10:14
Operator : SY/MD
Sample : VY1024SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 23:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
Data File : VY023562.D
Acq On : 24 Oct 2025 10:14
Operator : SY/MD
Sample : VY1024SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 23:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
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Instrument :
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ClientSampleId :
VY1024SBSD01

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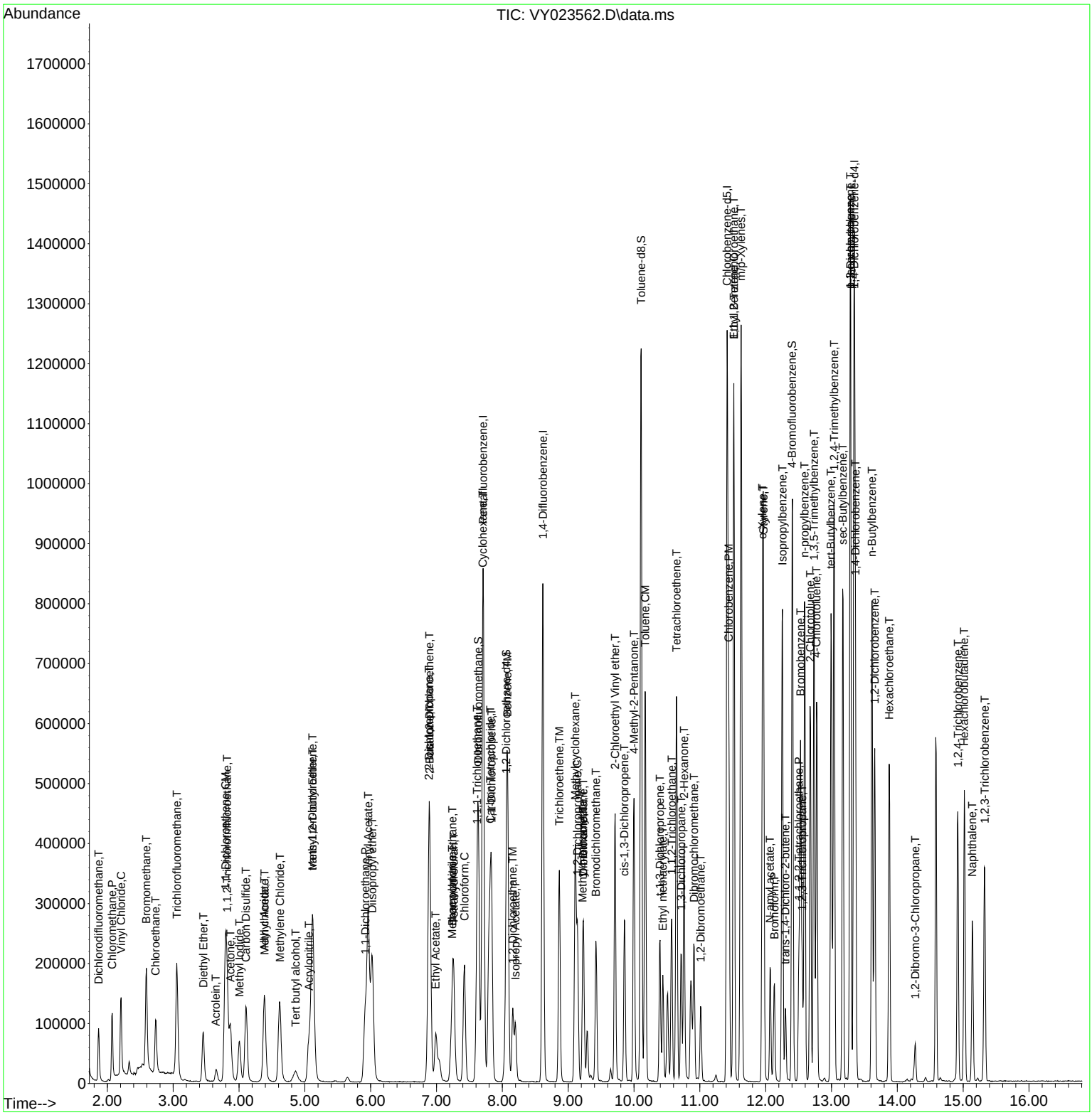
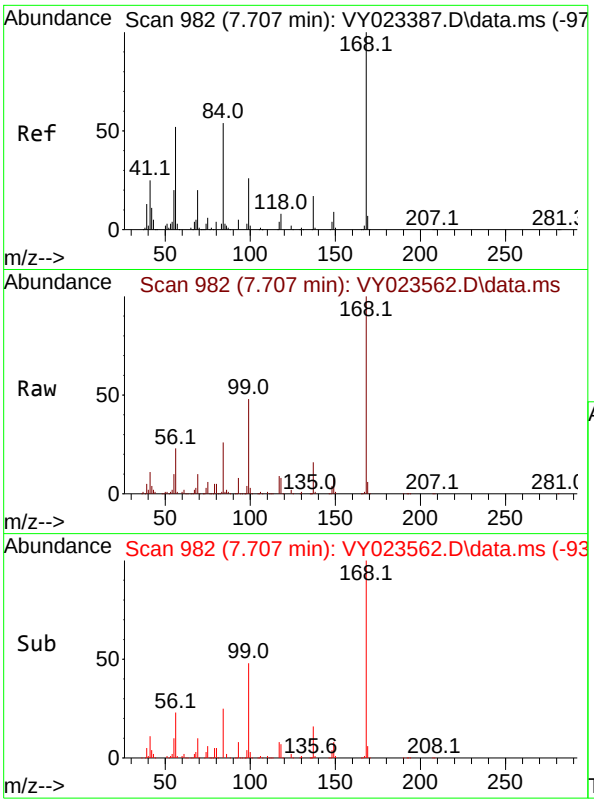
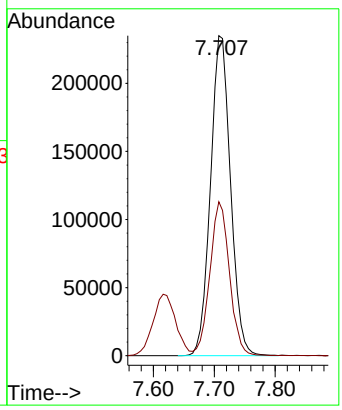




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:168 Resp: 53678

Ion	Ratio	Lower	Upper
168	100		
99	48.1	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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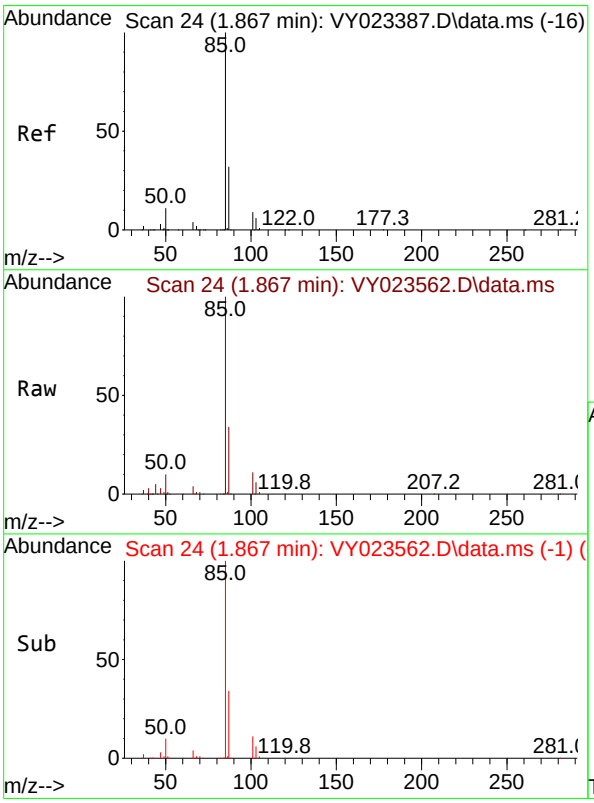
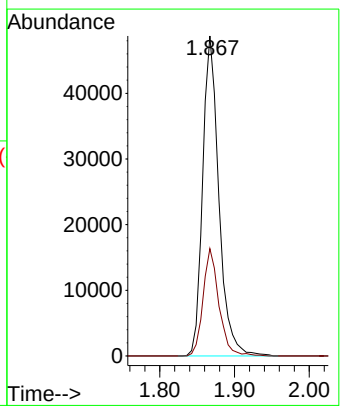
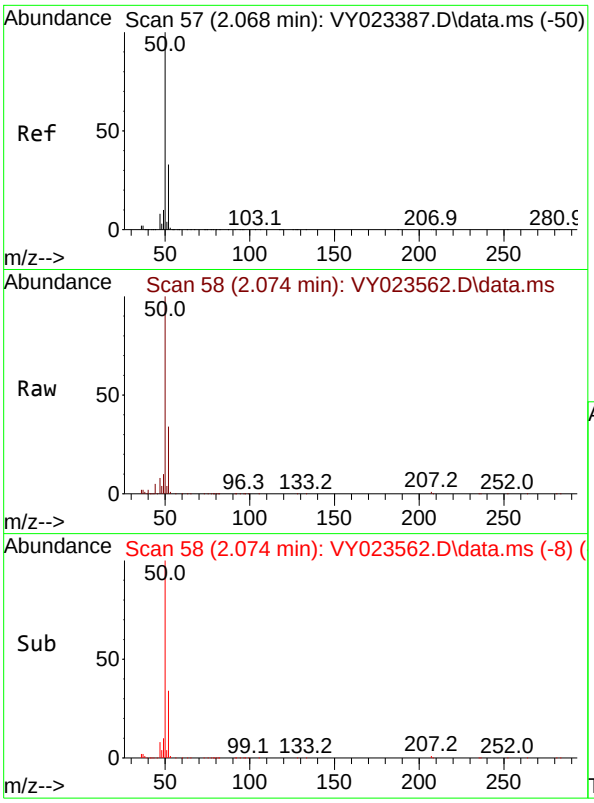


#2
Dichlorodifluoromethane
Concen: 18.998 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 85 Resp: 73403

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.0	47.9

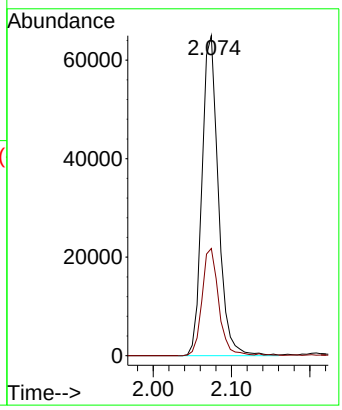




#3
Chloromethane
Concen: 17.883 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 50 Resp: 9412

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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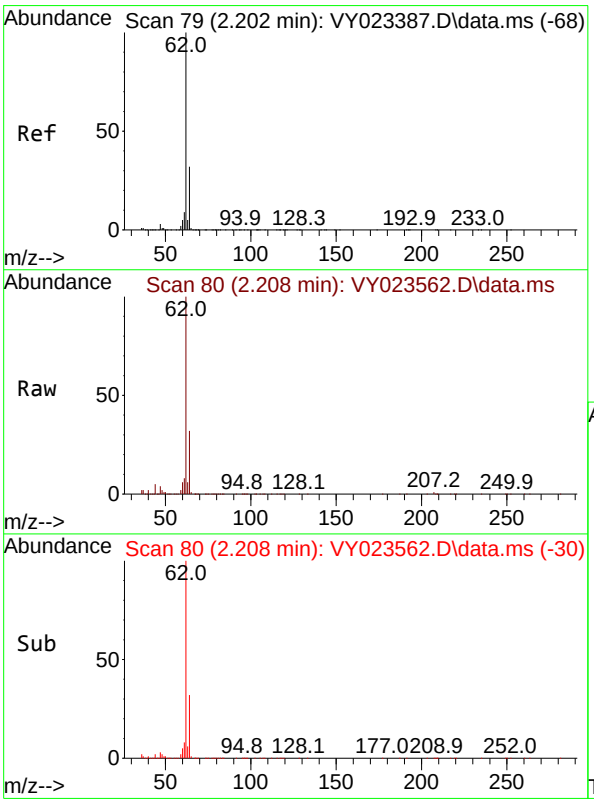
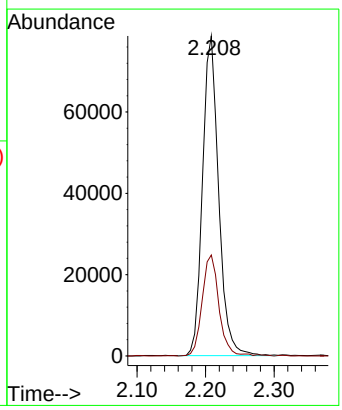
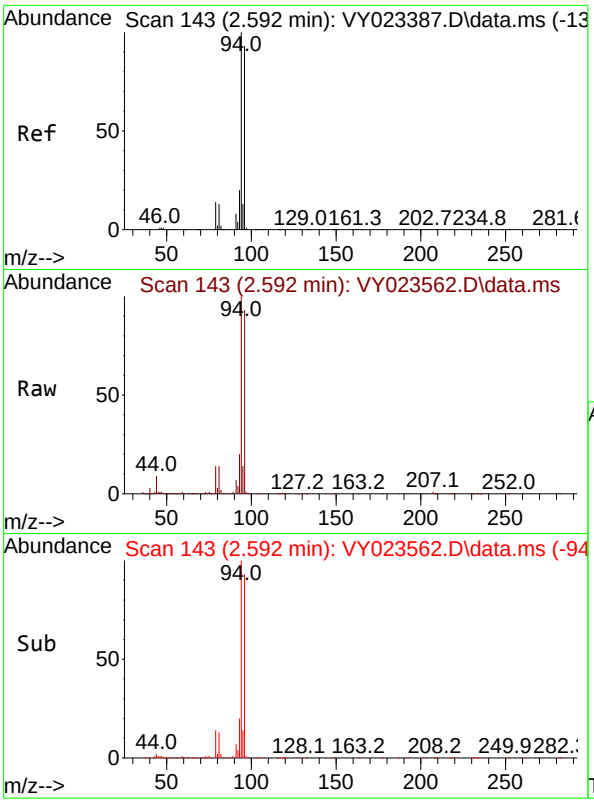


#4
Vinyl Chloride
Concen: 18.772 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 62 Resp: 128692

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.8	38.8





#5
Bromomethane
Concen: 21.383 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 94 Resp: 12301(

Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.5	111.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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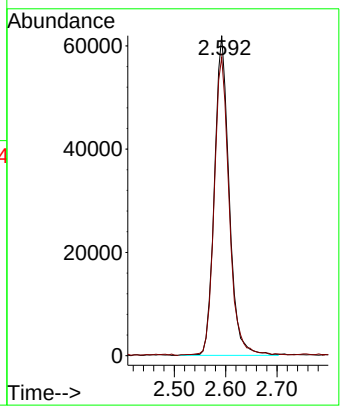
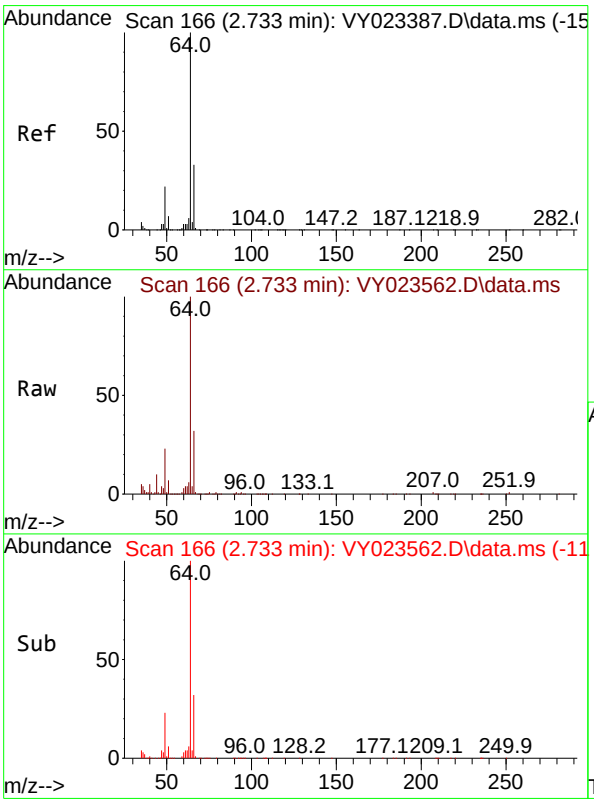
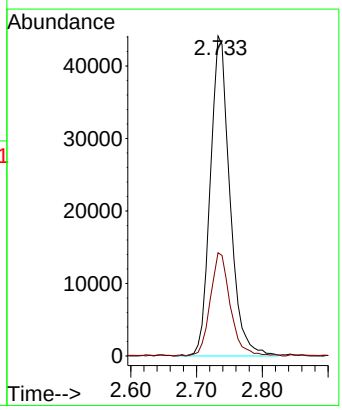


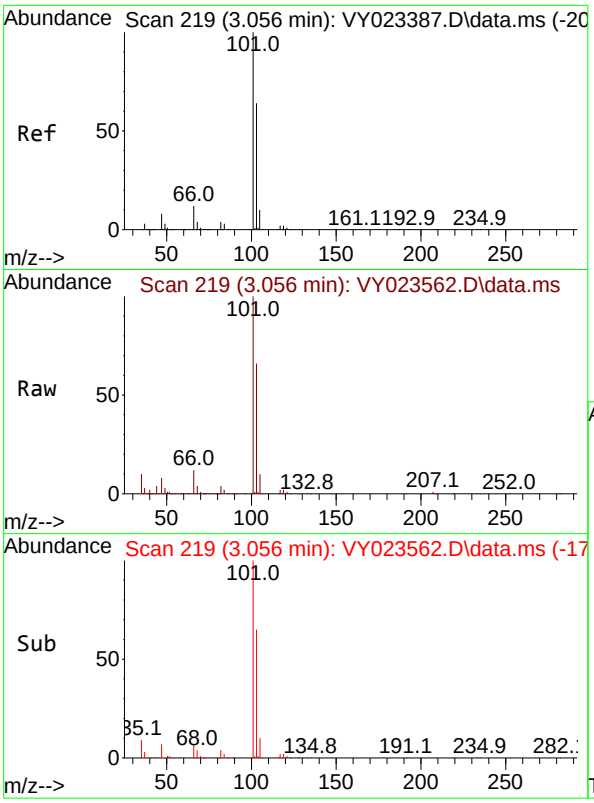


#6
Chloroethane
Concen: 19.580 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 64 Resp: 91499

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.2	39.4

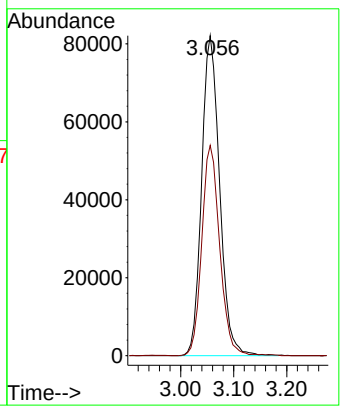




#7
Trichlorofluoromethane
Concen: 20.308 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:101 Resp: 19330

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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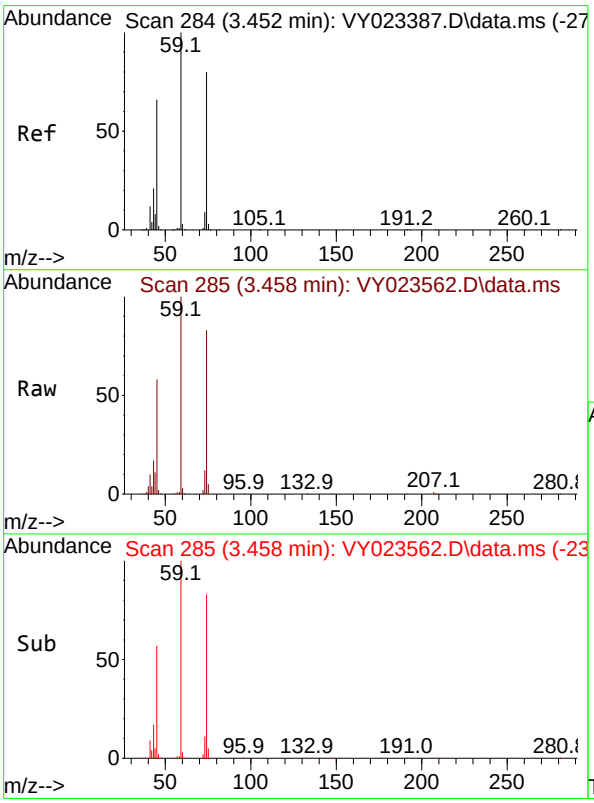
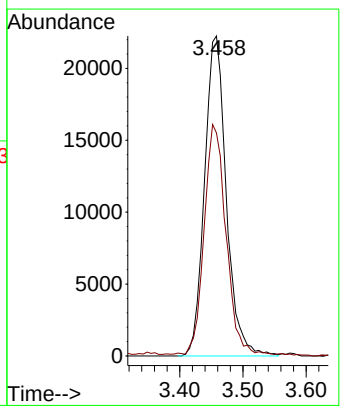
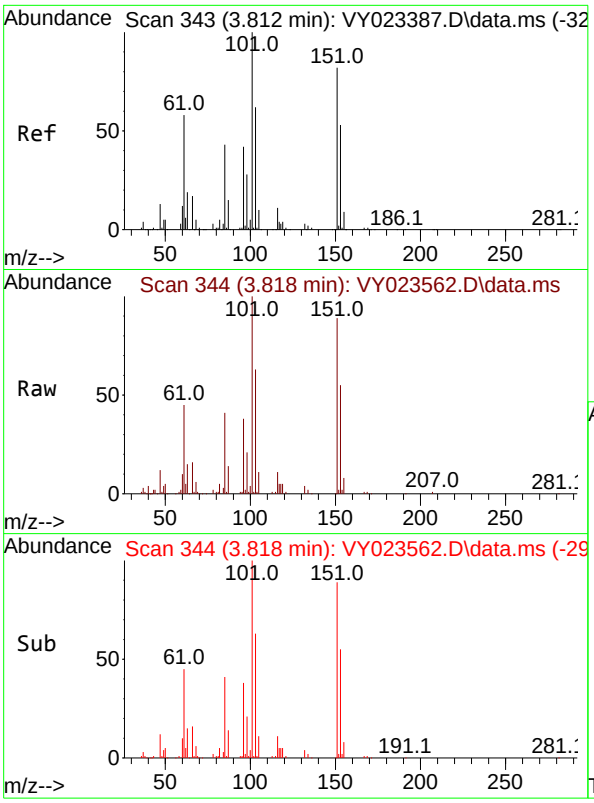


#8
Diethyl Ether
Concen: 21.387 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 74 Resp: 53195

Ion	Ratio	Lower	Upper
74	100		
45	71.8	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.196 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:101 Resp: 10469

Ion	Ratio	Lower	Upper
101	100		
85	42.8	34.6	51.8
151	86.6	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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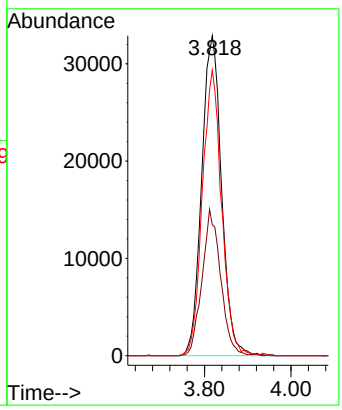
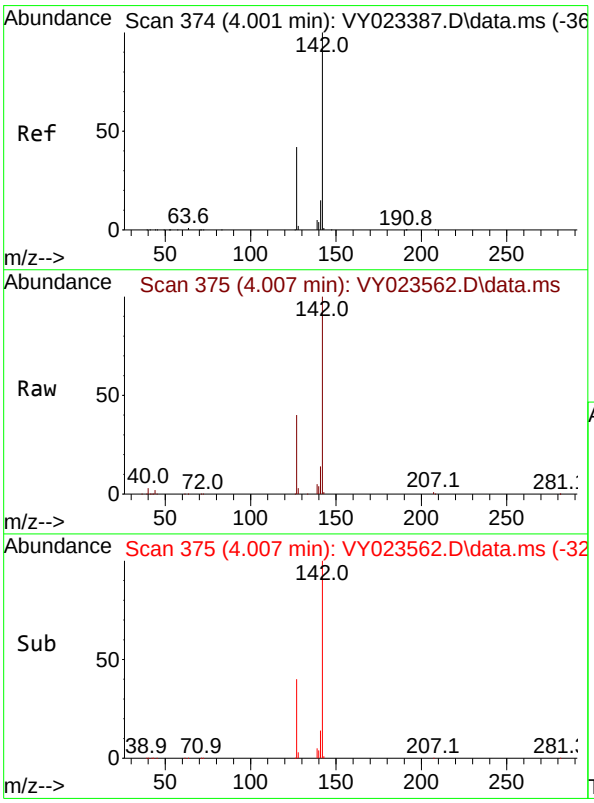
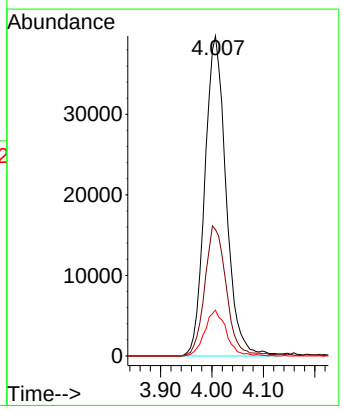


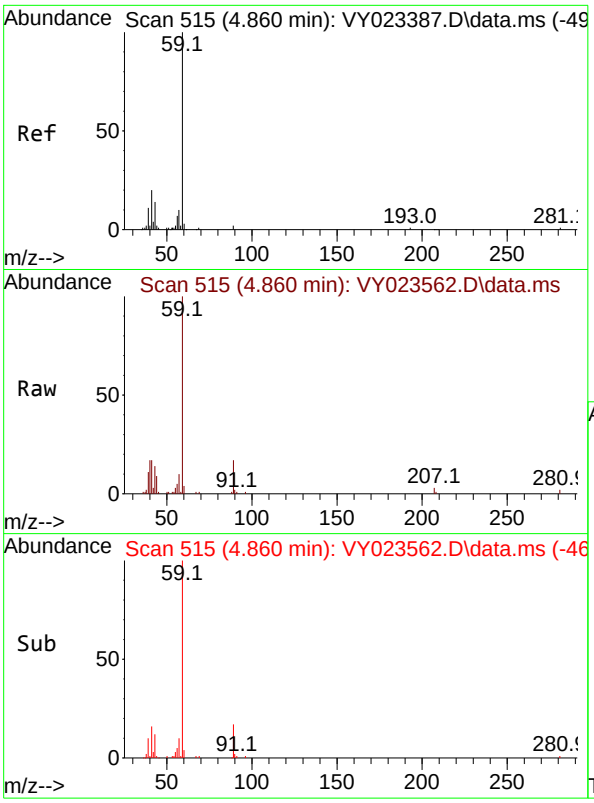


#10
Methyl Iodide
Concen: 20.694 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:142 Resp: 113792

Ion	Ratio	Lower	Upper
142	100		
127	41.3	34.8	52.2
141	14.5	11.6	17.4

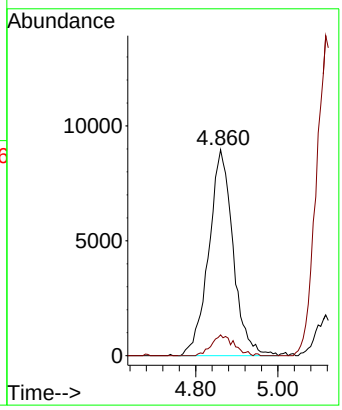




#11
Tert butyl alcohol
Concen: 110.265 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 59 Resp: 3682

Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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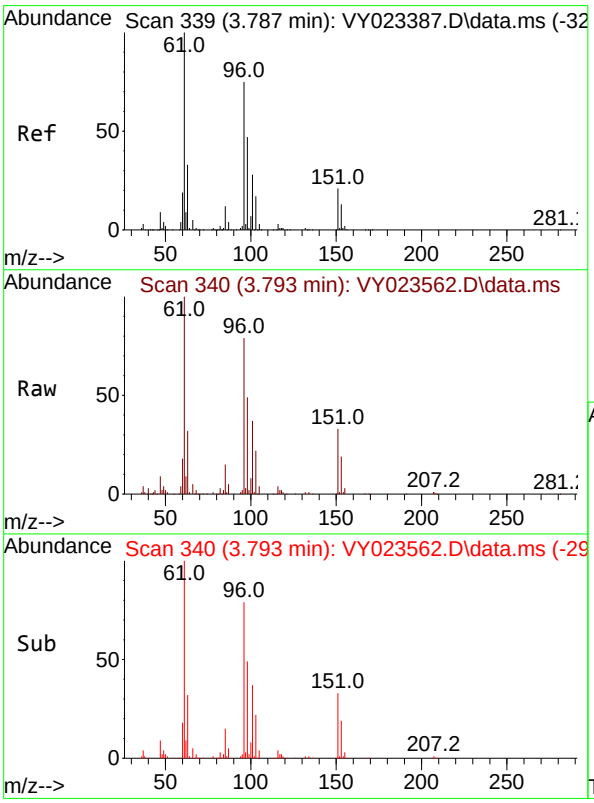
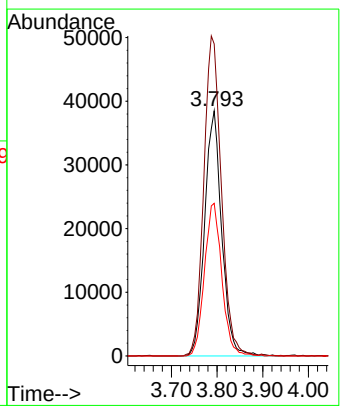
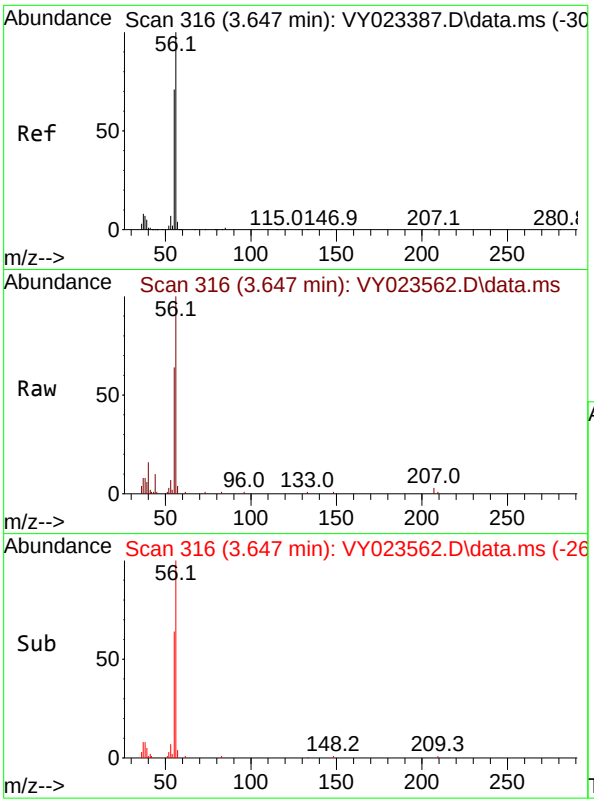


#12
1,1-Dichloroethene
Concen: 20.824 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 96 Resp: 99711

Ion	Ratio	Lower	Upper
96	100		
61	127.3	106.7	160.1
98	62.3	50.2	75.4

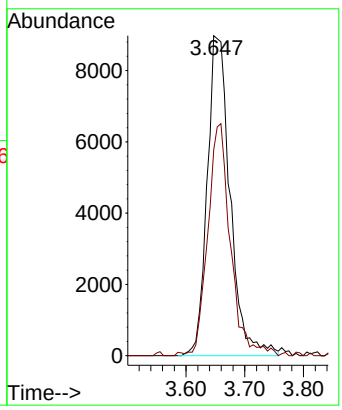




#13
Acrolein
Concen: 51.605 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 56 Resp: 2435

Ion	Ratio	Lower	Upper
56	100		
55	68.9	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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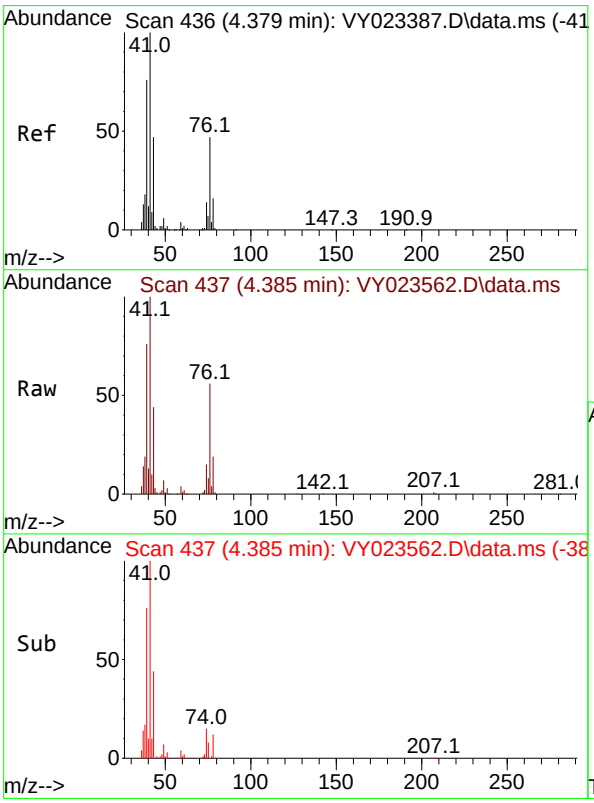
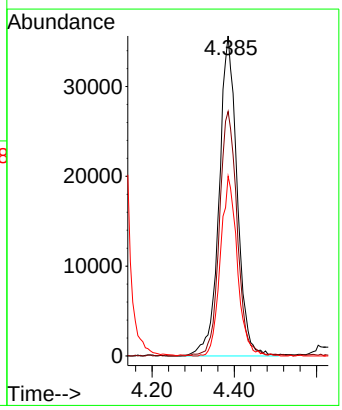
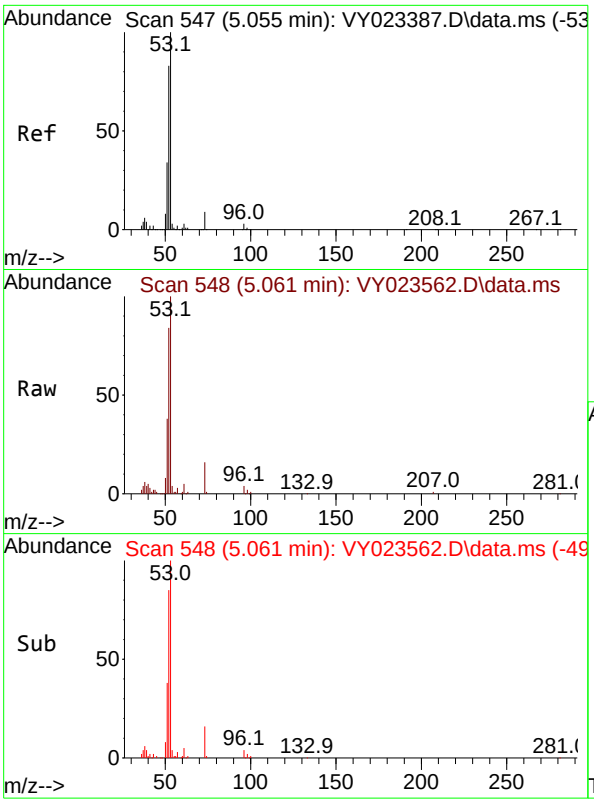


#14
Allyl chloride
Concen: 18.578 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 41 Resp: 108412

Ion	Ratio	Lower	Upper
41	100		
39	75.4	59.9	89.9
76	52.6	38.0	57.0





#15
Acrylonitrile
Concen: 99.605 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

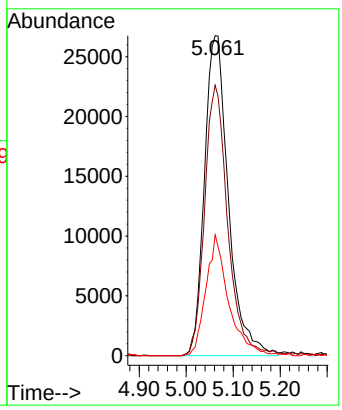
Tgt Ion: 53 Resp: 9481

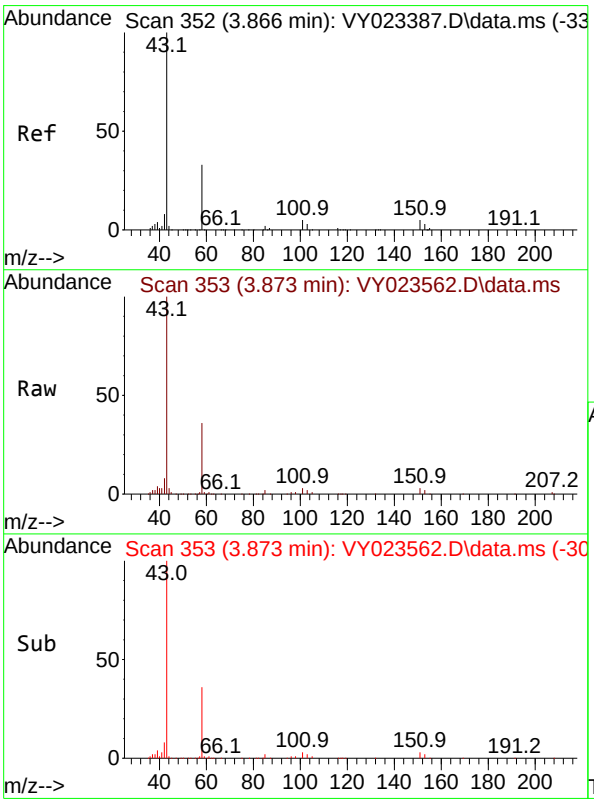
Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.6	97.0
51	35.8	29.5	44.3

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

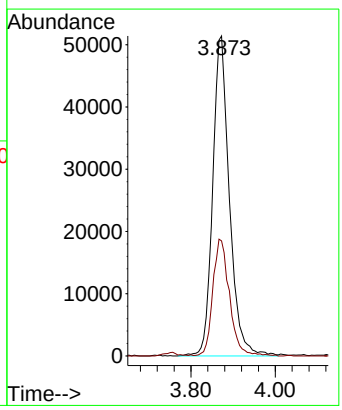


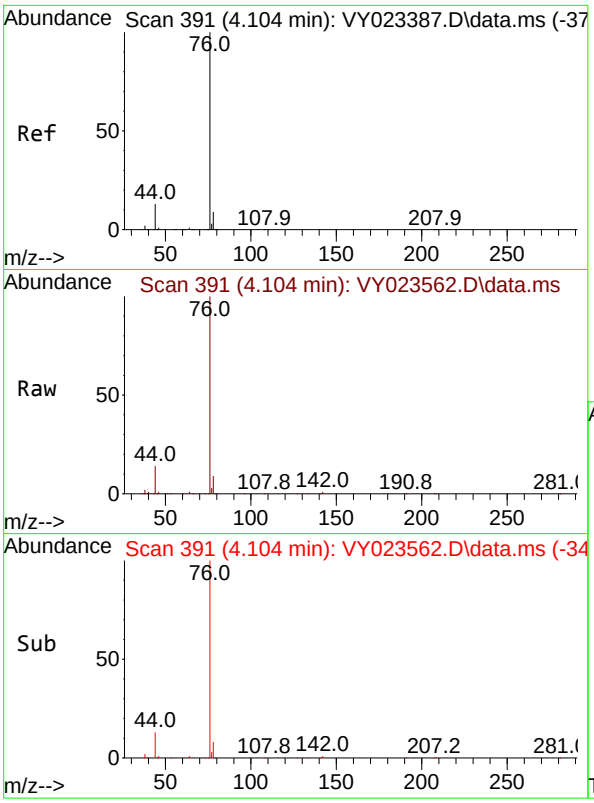


#16
Acetone
Concen: 132.262 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 43 Resp: 141337

Ion	Ratio	Lower	Upper
43	100		
58	35.9	27.7	41.5

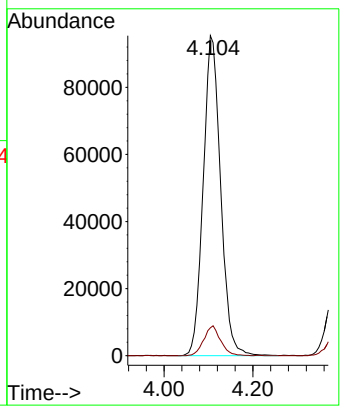




#17
Carbon Disulfide
Concen: 18.993 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 76 Resp: 26029

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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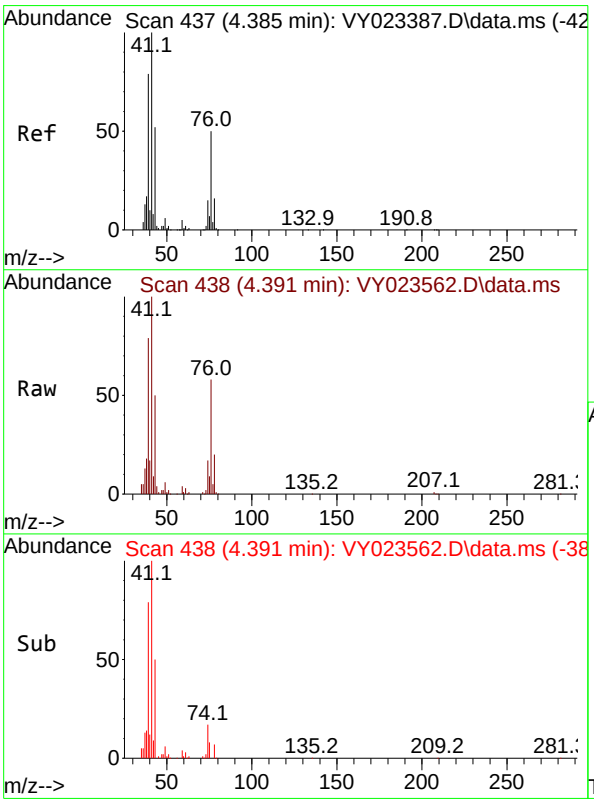
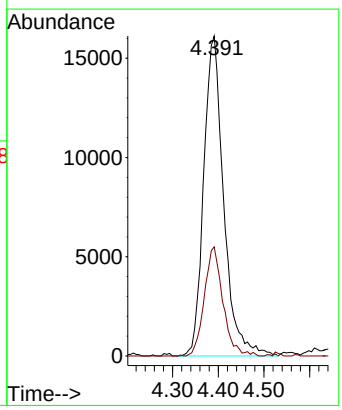
Supervised By :Mahesh Dadoda 10/27/2025

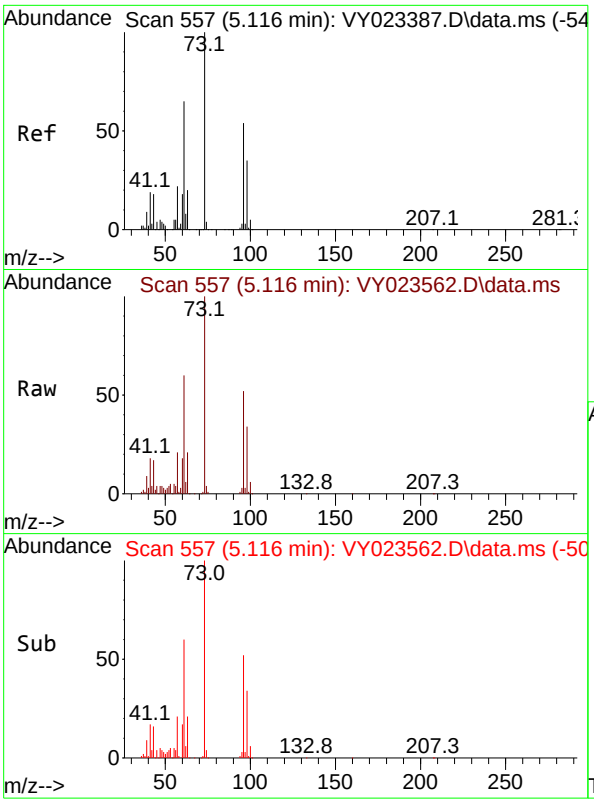


#18
Methyl Acetate
Concen: 17.452 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 43 Resp: 48921

Ion	Ratio	Lower	Upper
43	100		
74	31.7	24.2	36.4

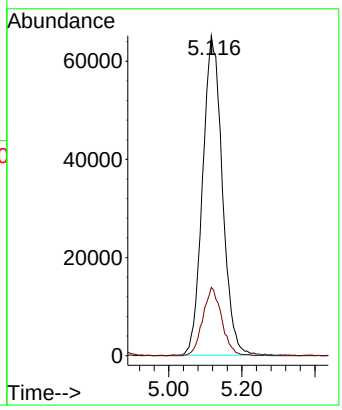




#19
Methyl tert-butyl Ether
Concen: 21.144 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 73 Resp: 24333

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/27/2025
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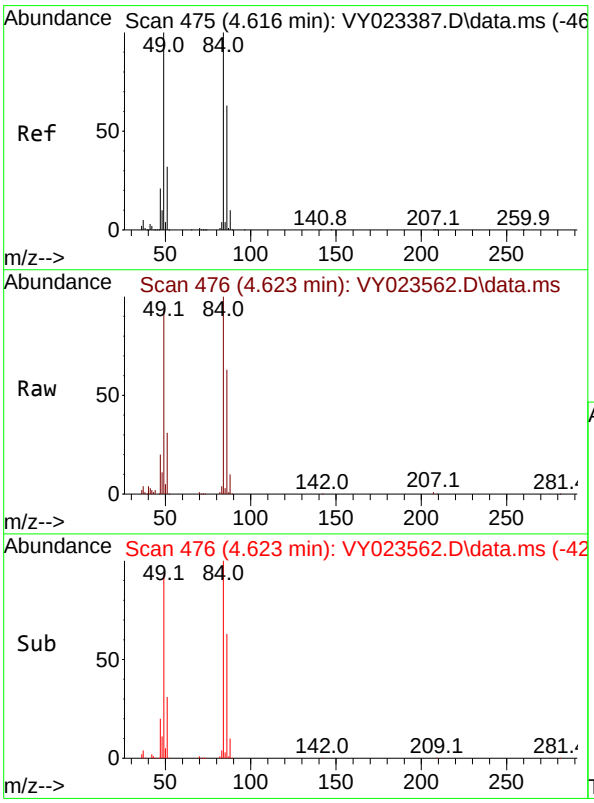
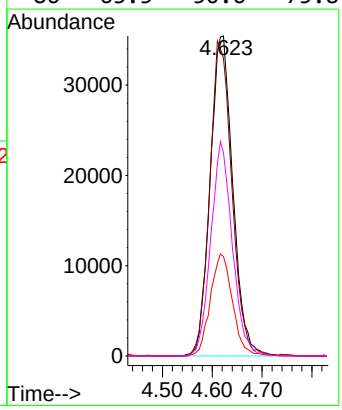
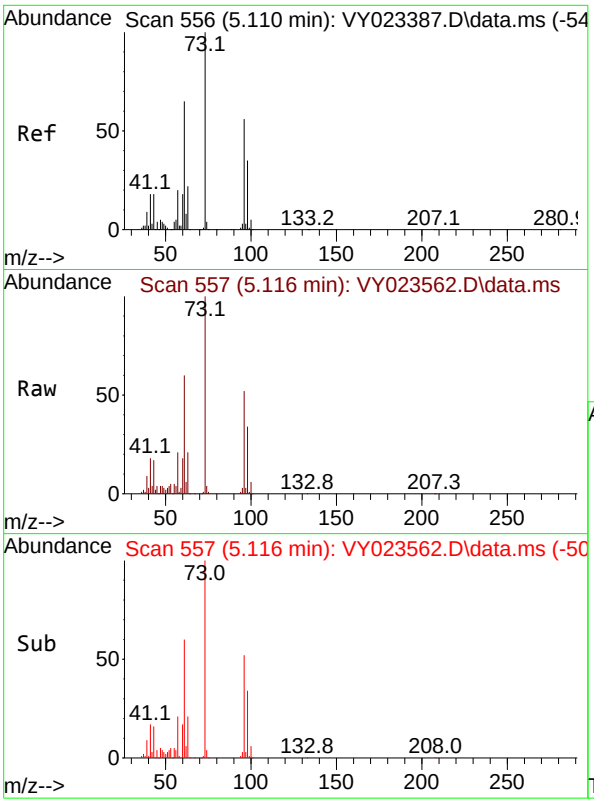


#20
Methylene Chloride
Concen: 19.315 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 84 Resp: 111608

Ion	Ratio	Lower	Upper
84	100		
49	93.0	80.2	120.4
51	31.1	25.9	38.9
86	63.5	50.6	75.8





#21
trans-1,2-Dichloroethene
Concen: 21.058 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 96 Resp: 11101

Ion	Ratio	Lower	Upper
96	100		
61	114.6	92.7	139.1
98	65.6	49.7	74.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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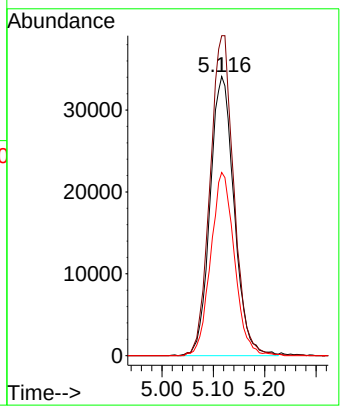
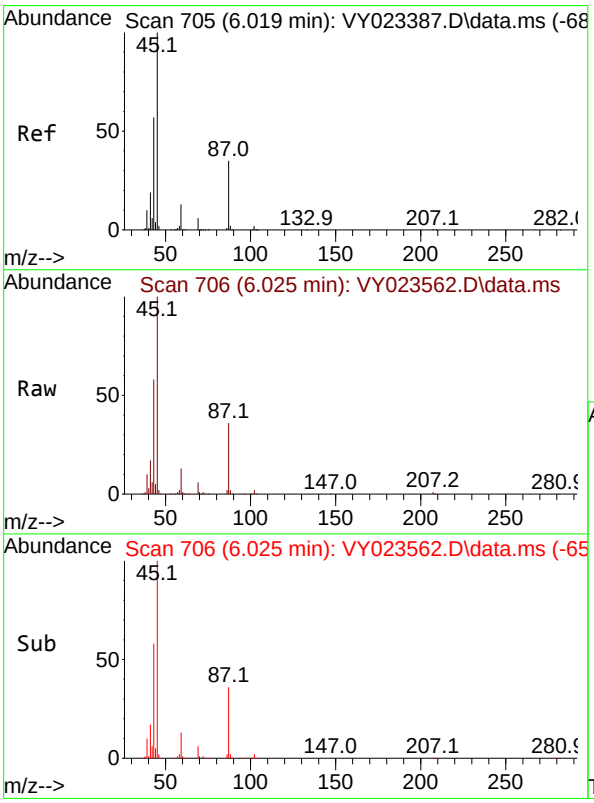
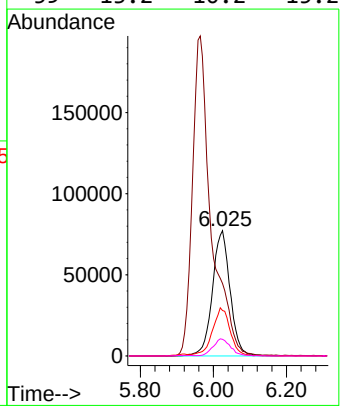


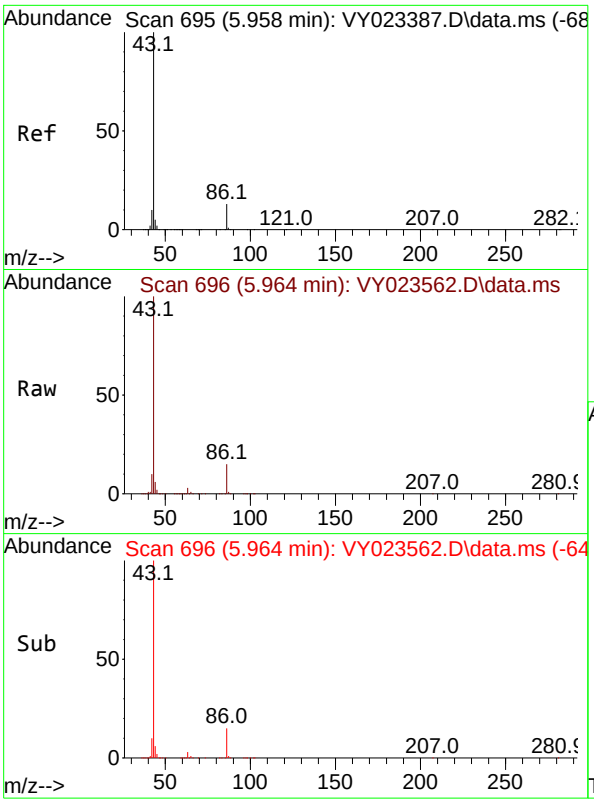


#22
Diisopropyl ether
Concen: 20.089 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 45 Resp: 259309

Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.6	68.4
87	36.3	28.1	42.1
59	13.2	10.2	15.2





#23
Vinyl Acetate
Concen: 101.069 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 43 Resp: 70615

Ion	Ratio	Lower	Upper
43	100		
86	14.9	10.6	15.8

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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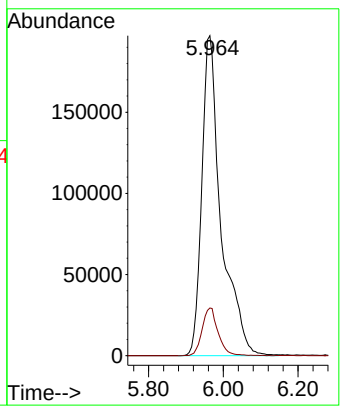
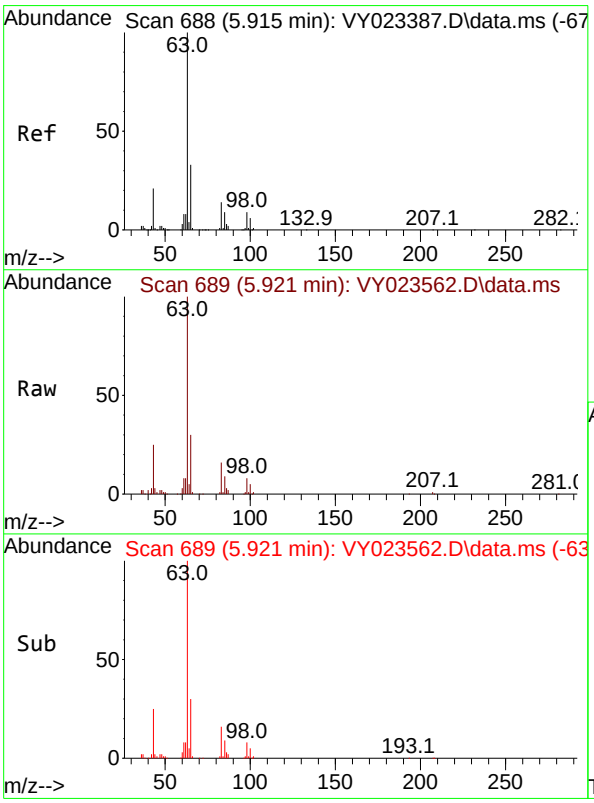
Supervised By :Mahesh Dadoda 10/27/2025

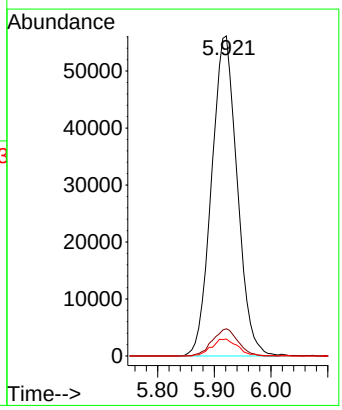


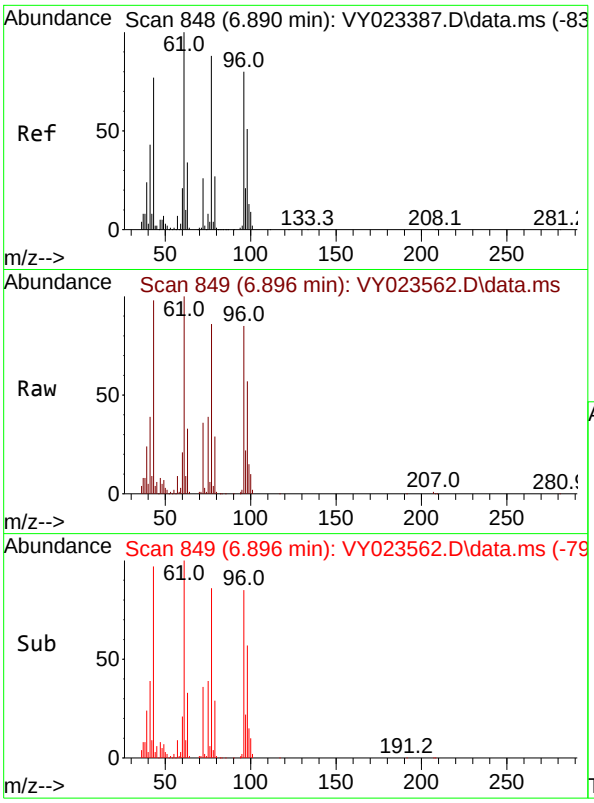


#24
1,1-Dichloroethane
Concen: 20.634 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 63 Resp: 176426

Ion	Ratio	Lower	Upper
63	100		
98	8.5	4.3	13.1
100	5.3	2.8	8.4





#25
2-Butanone
Concen: 117.645 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 43 Resp: 15348

Ion	Ratio	Lower	Upper
43	100		
72	37.3	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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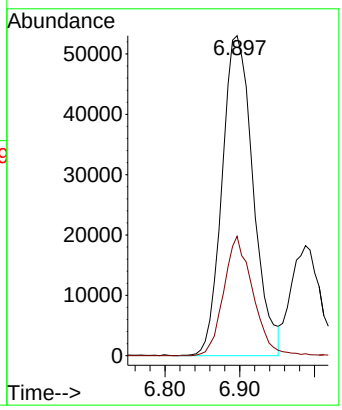
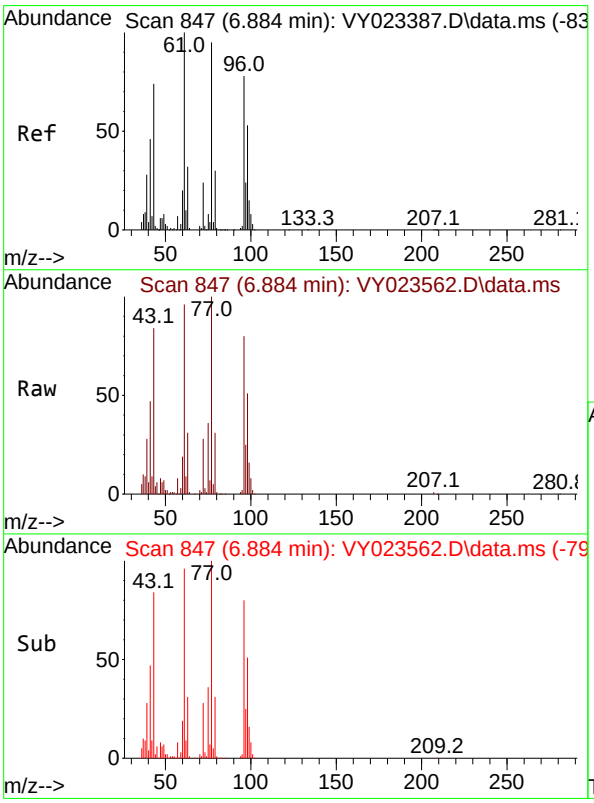
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

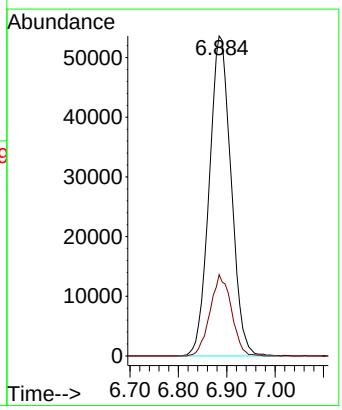


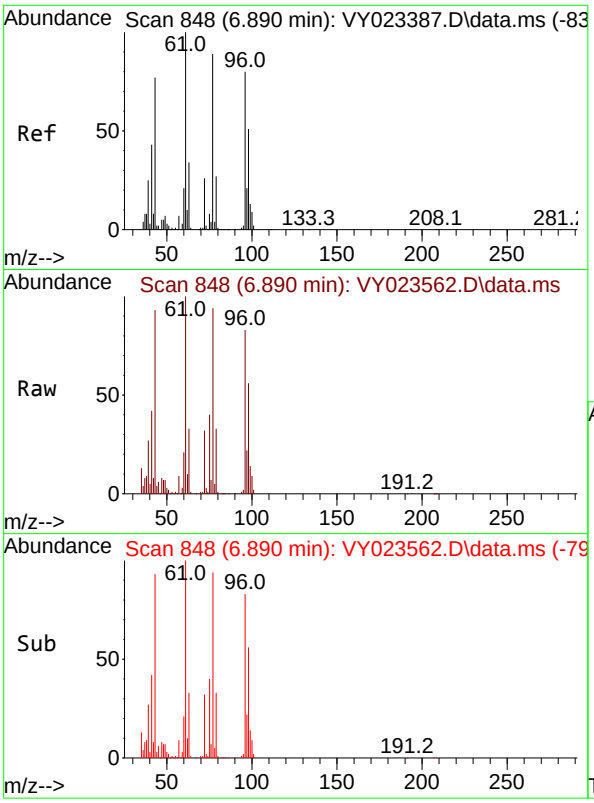


#26
2,2-Dichloropropane
Concen: 21.441 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 77 Resp: 168220

Ion	Ratio	Lower	Upper
77	100		
97	24.9	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 21.699 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 96 Resp: 13213

Ion	Ratio	Lower	Upper
96	100		
61	121.1	0.0	258.2
98	65.4	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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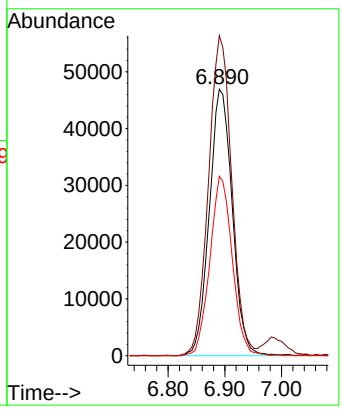
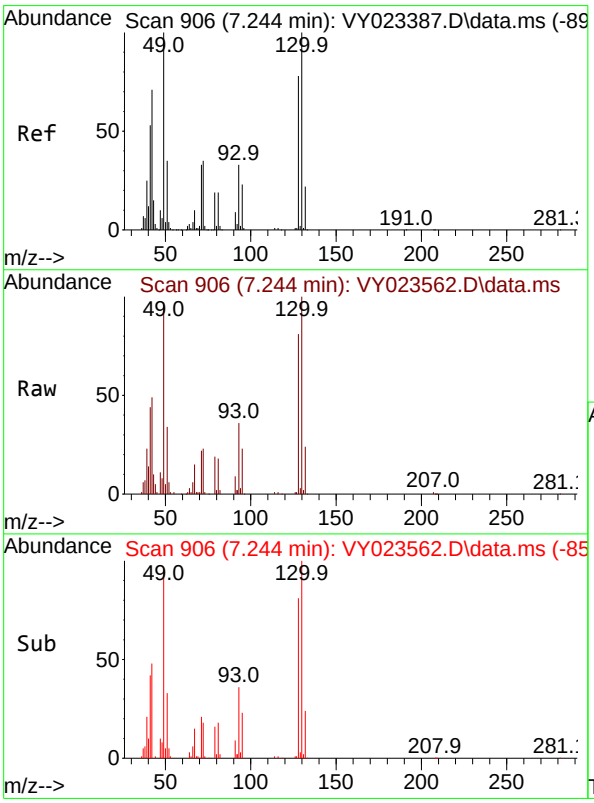
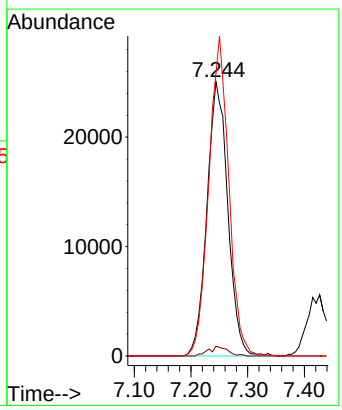


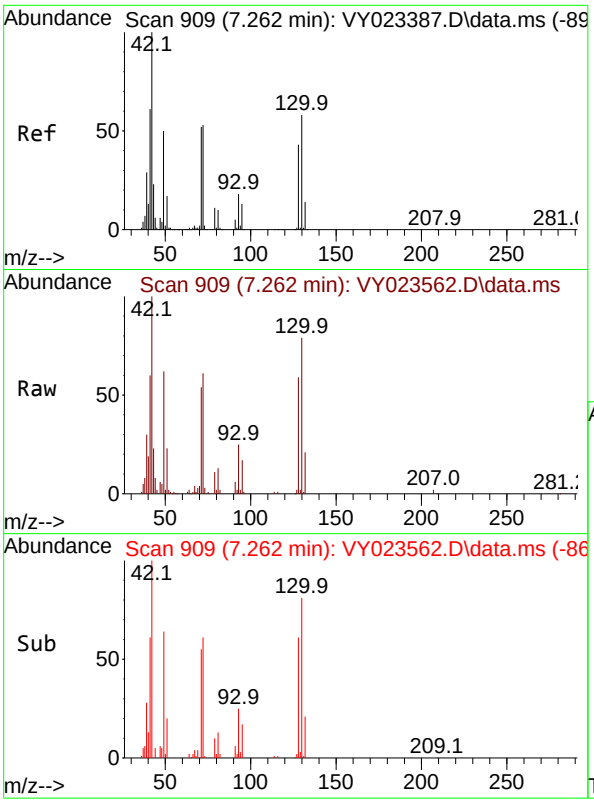


#28
Bromochloromethane
Concen: 20.042 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 49 Resp: 63974

Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.6
130	111.9	81.9	122.9

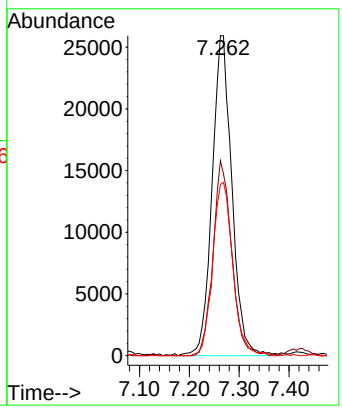




#29
Tetrahydrofuran
Concen: 96.536 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 42 Resp: 7141(

Ion	Ratio	Lower	Upper
42	100		
72	57.6	43.0	64.6
71	54.9	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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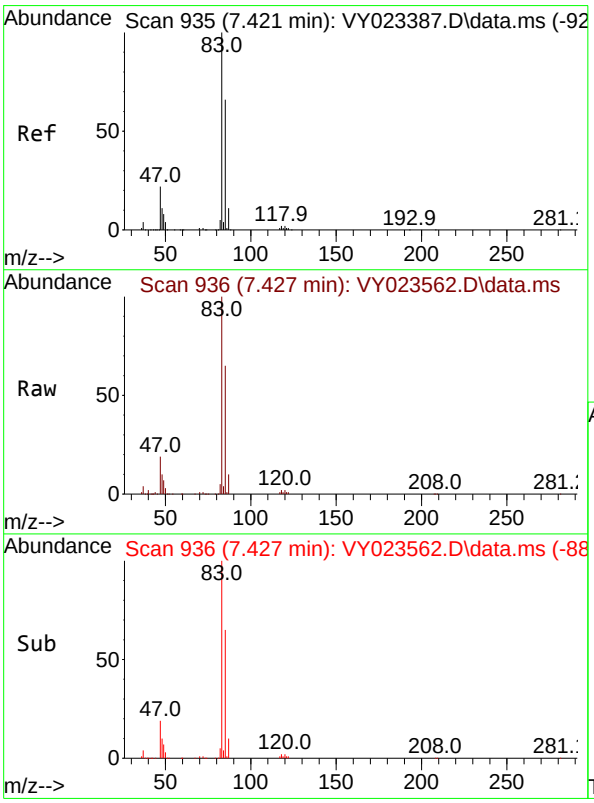
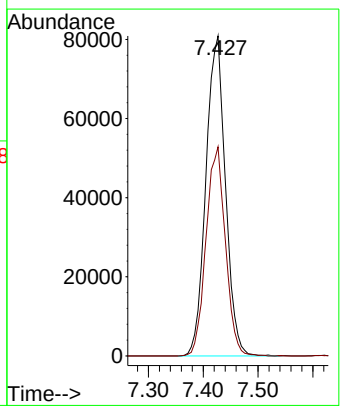
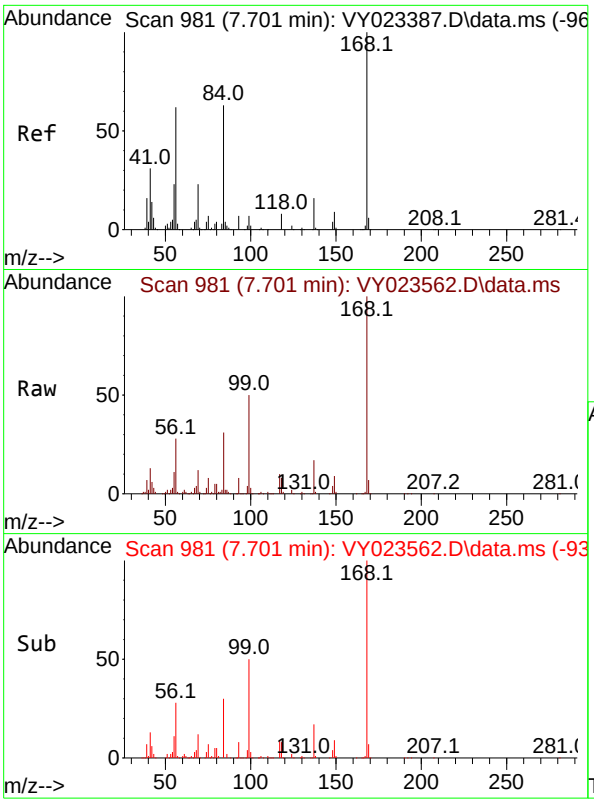


#30
Chloroform
Concen: 21.289 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 83 Resp: 199992

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7





#31
Cyclohexane
Concen: 19.213 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 56 Resp: 14346

Ion	Ratio	Lower	Upper
56	100		
69	40.7	30.0	45.0
84	107.4	81.2	121.8

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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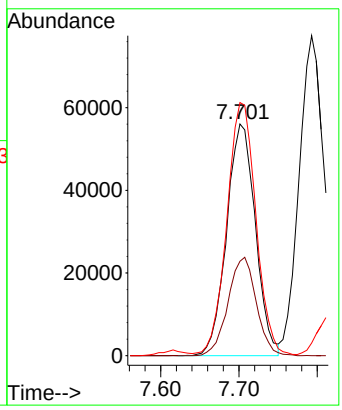
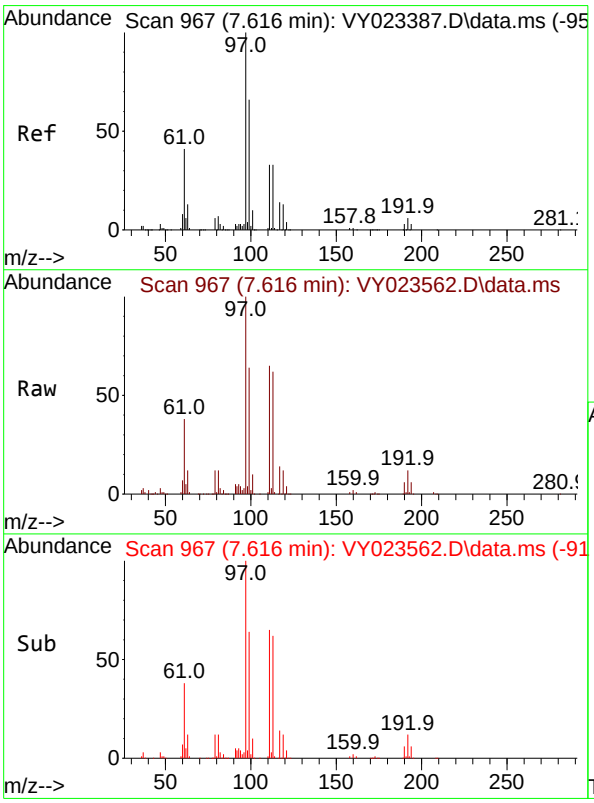
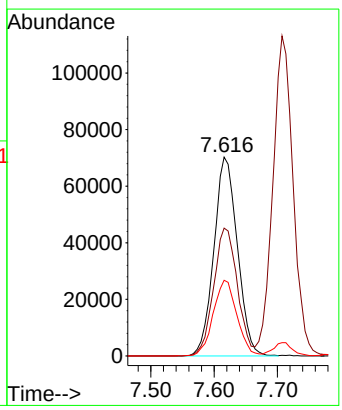


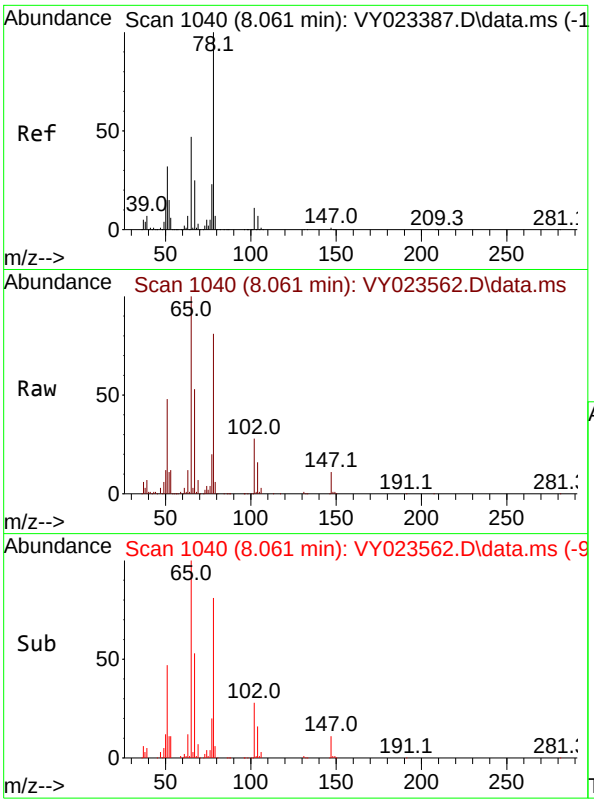


#32
1,1,1-Trichloroethane
Concen: 21.213 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 97 Resp: 181103

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.2
61	38.4	31.9	47.9

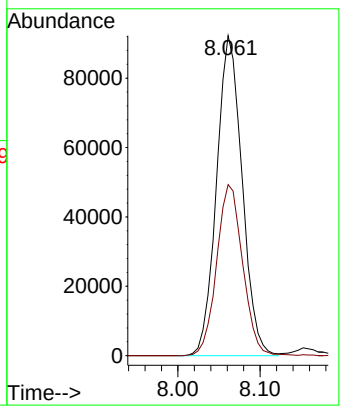




#33
1,2-Dichloroethane-d4
Concen: 44.408 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 65 Resp: 19933

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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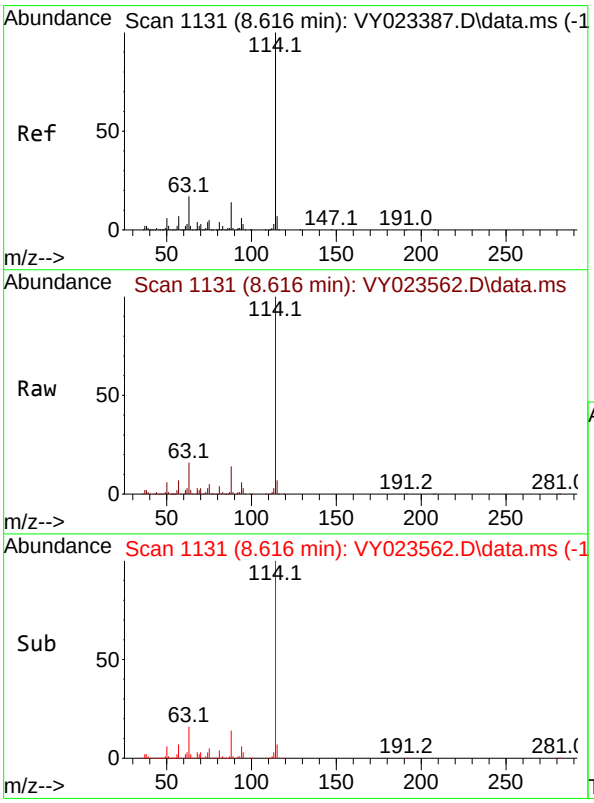
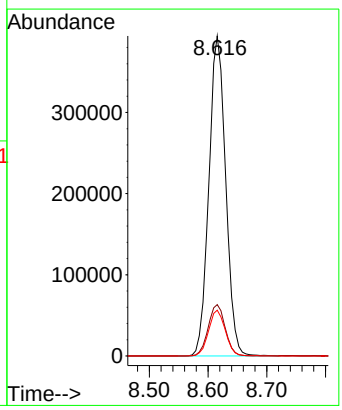
Supervised By :Mahesh Dadoda 10/27/2025

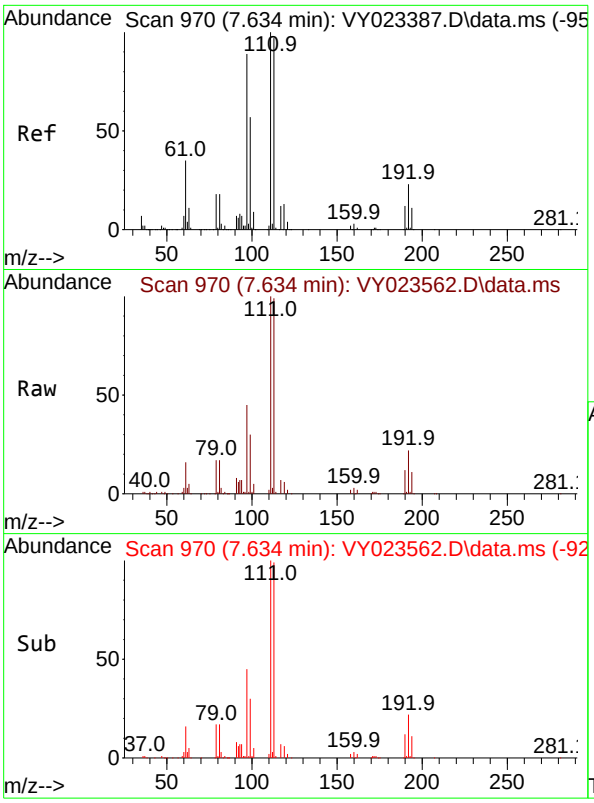


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:114 Resp: 783587

Ion	Ratio	Lower	Upper
114	100		
63	16.0	0.0	34.2
88	14.3	0.0	28.4

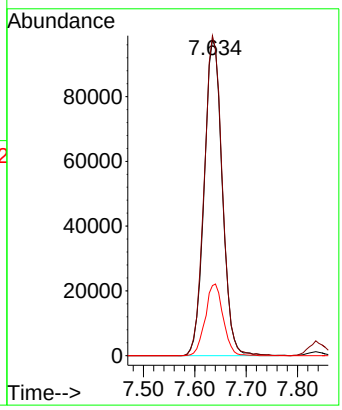




#35
Dibromofluoromethane
Concen: 49.359 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:113 Resp: 23765

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	22.5	18.0	27.0



Instrument :
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ClientSampleId :
VY1024SBSD01

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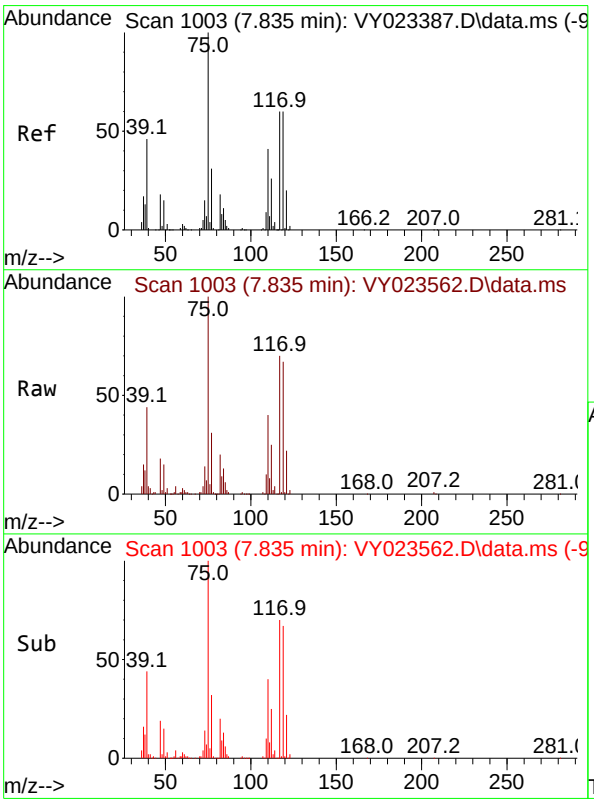
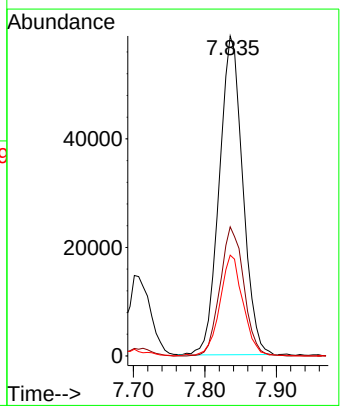
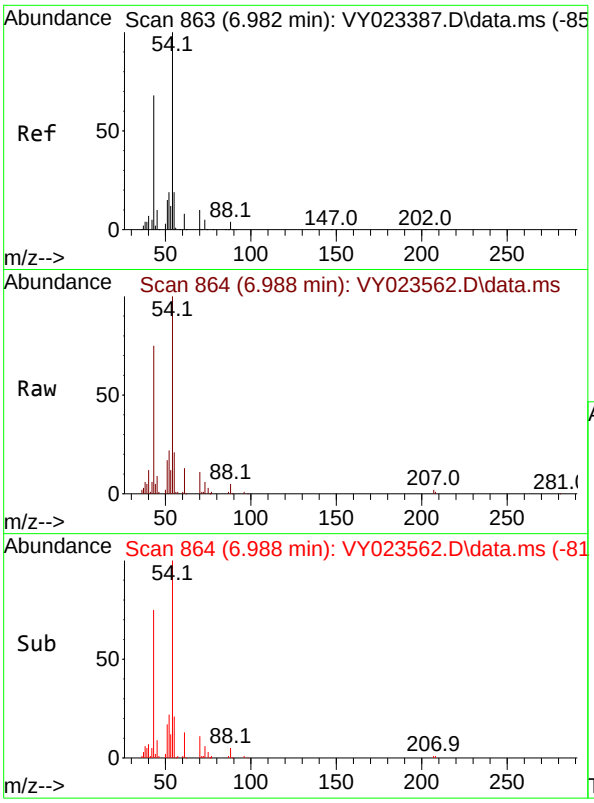


#36
1,1-Dichloropropene
Concen: 21.094 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 75 Resp: 134460

Ion	Ratio	Lower	Upper
75	100		
110	40.8	19.9	59.7
77	31.3	25.0	37.6





#37
Ethyl Acetate
Concen: 20.234 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 43 Resp: 5109

Ion	Ratio	Lower	Upper
43	100		
61	17.0	11.8	17.8
70	13.4	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
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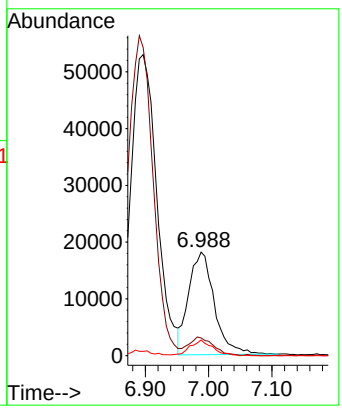
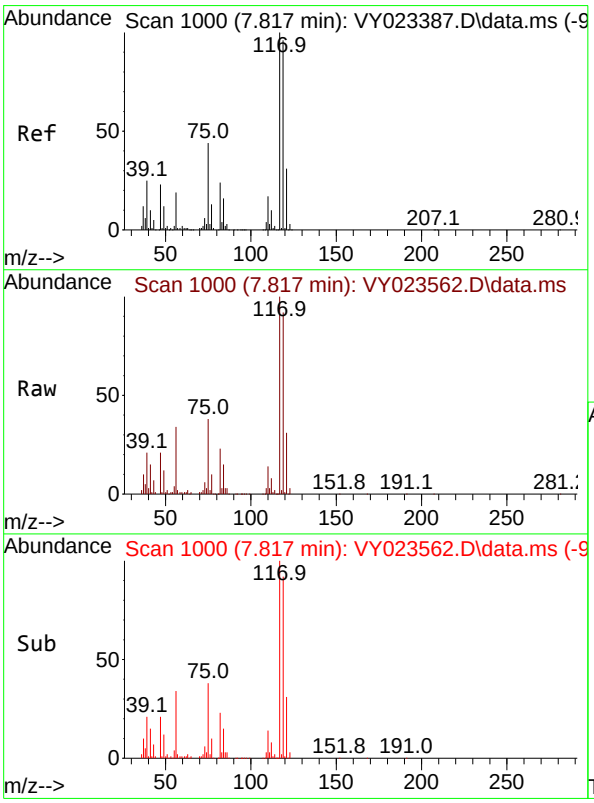
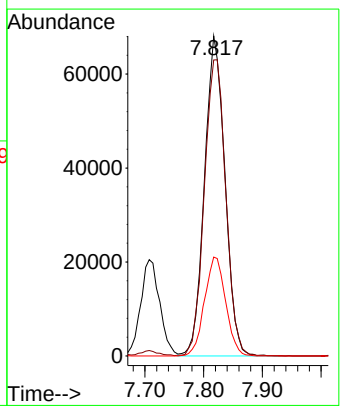


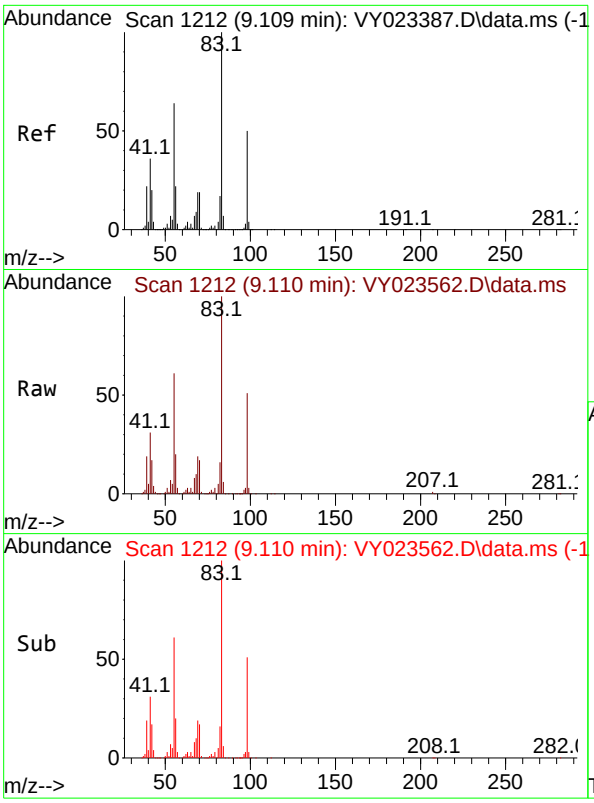


#38
Carbon Tetrachloride
Concen: 21.356 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:117 Resp: 165067

Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.8	115.2
121	30.9	24.5	36.7





#39
Methylcyclohexane
Concen: 20.661 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 83 Resp: 17147

Ion	Ratio	Lower	Upper
83	100		
55	60.7	51.4	77.2
98	51.3	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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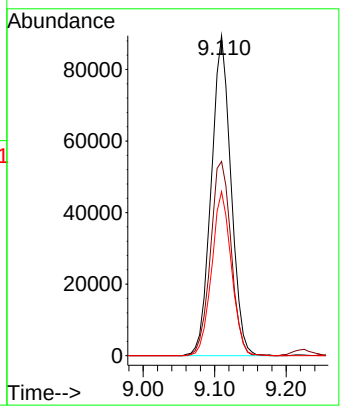
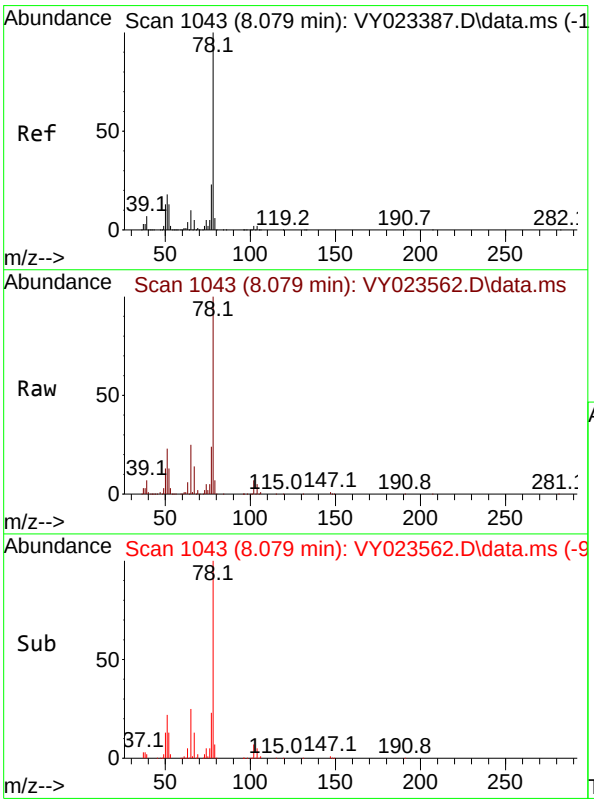
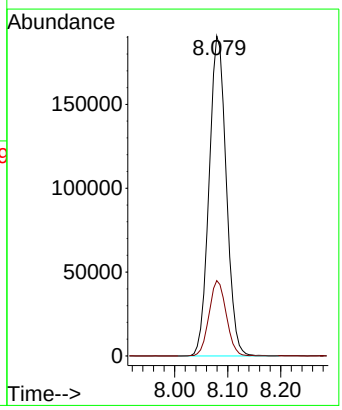


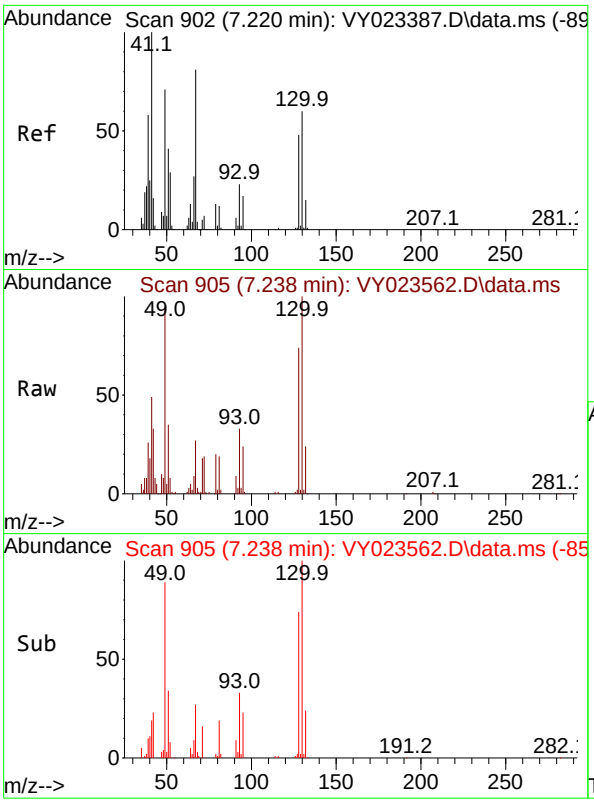


#40
Benzene
Concen: 21.267 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 78 Resp: 429319

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5

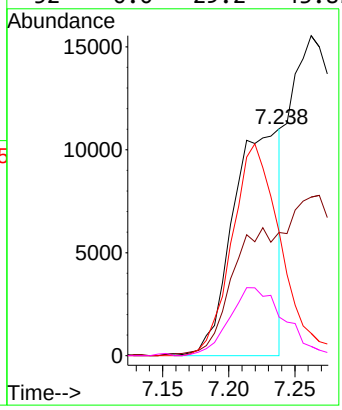




#41
Methacrylonitrile
Concen: 19.890 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. 0.018 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 41 Resp: 2716

Ion	Ratio	Lower	Upper
41	100		
39	70.4	52.2	78.4
67	0.0	74.9	112.3#
52	0.0	29.2	43.8#



Instrument :
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ClientSampleId :
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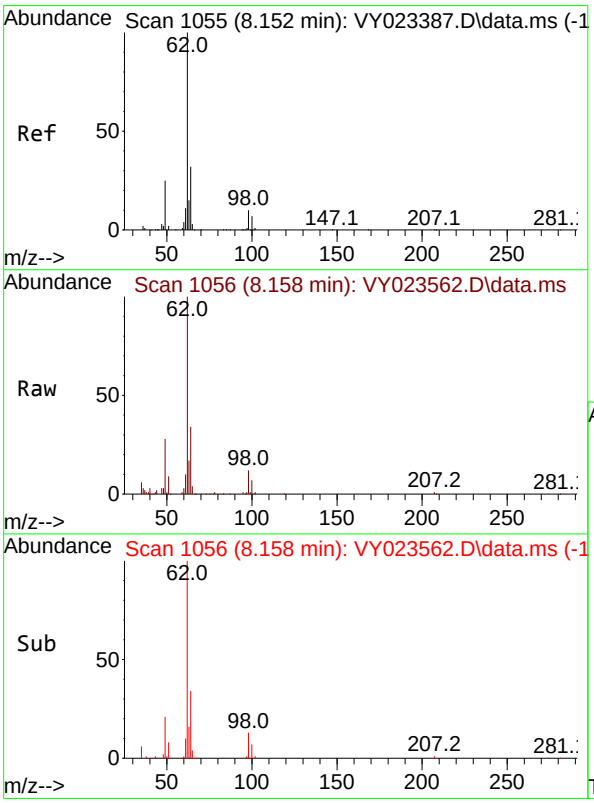
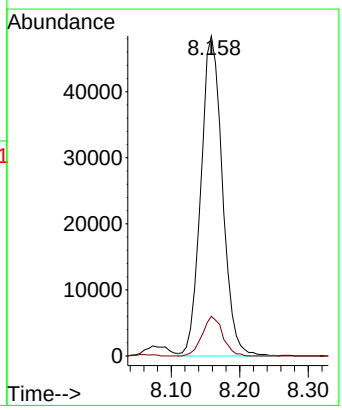
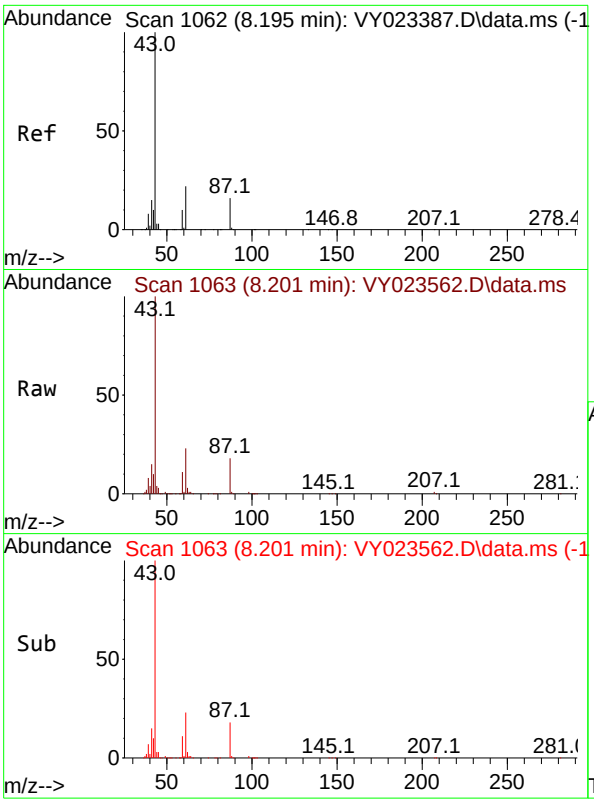


#42
1,2-Dichloroethane
Concen: 20.365 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 62 Resp: 106025

Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.6





#43
Isopropyl Acetate
Concen: 20.085 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 43 Resp: 10113

Ion	Ratio	Lower	Upper
43	100		
61	34.6	18.1	27.1
87	18.3	13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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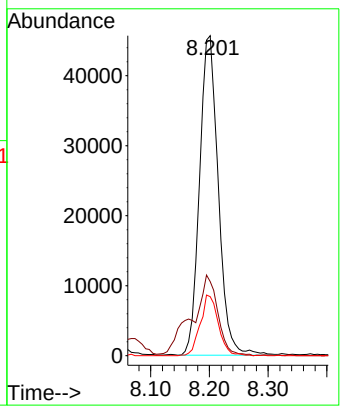
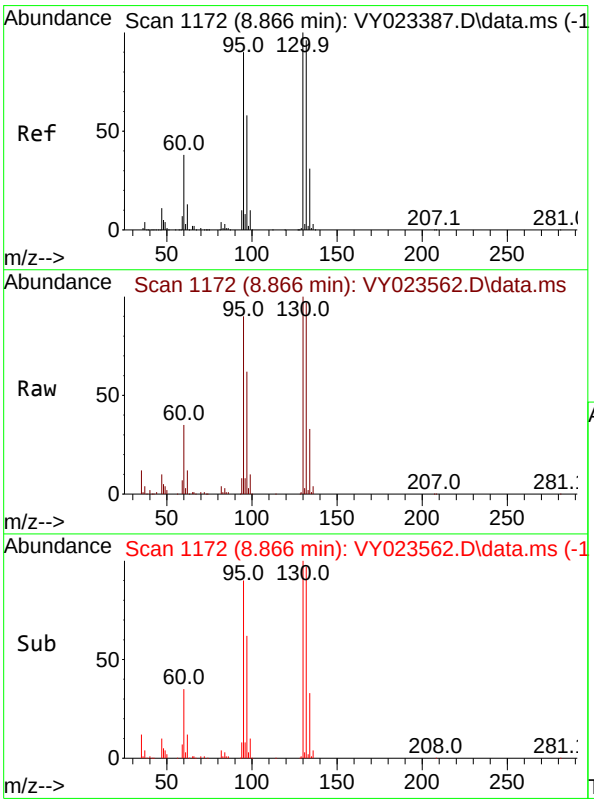
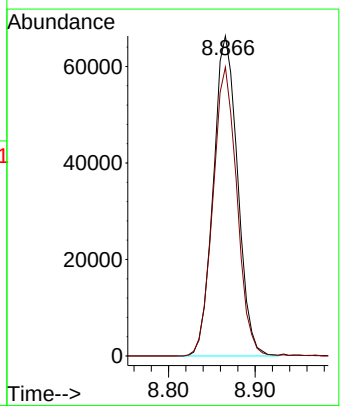


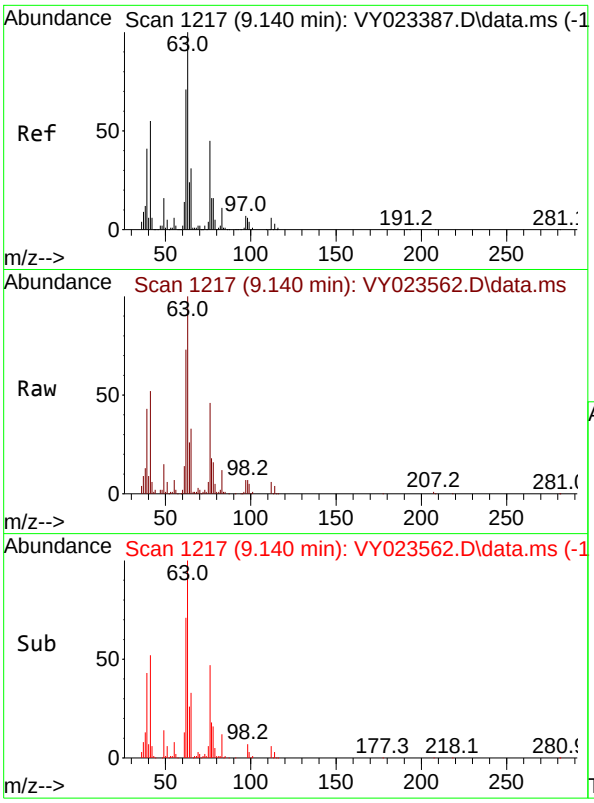


#44
Trichloroethene
Concen: 21.853 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:130 Resp: 129117

Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	180.6





#45
1,2-Dichloropropane
Concen: 21.049 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 63 Resp: 9385

Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.9	37.3

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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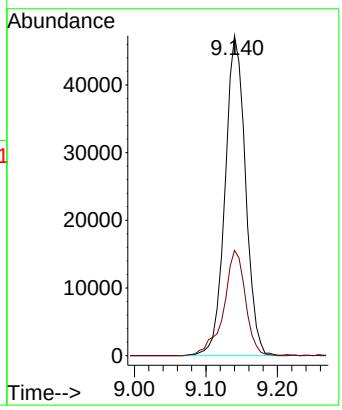
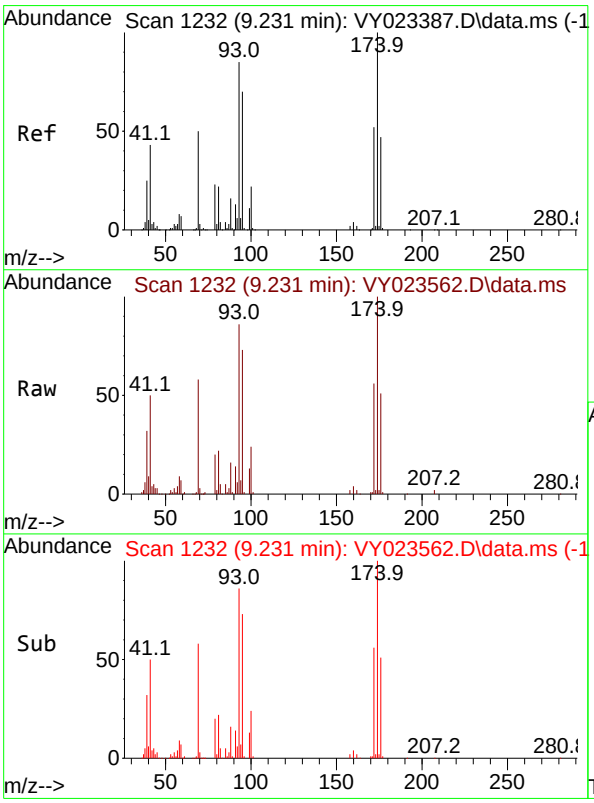
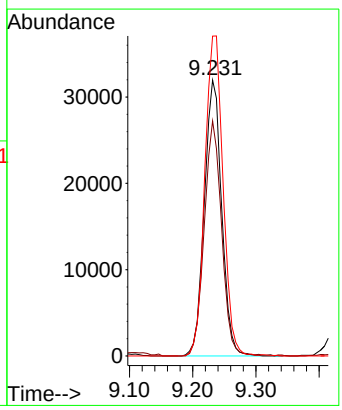


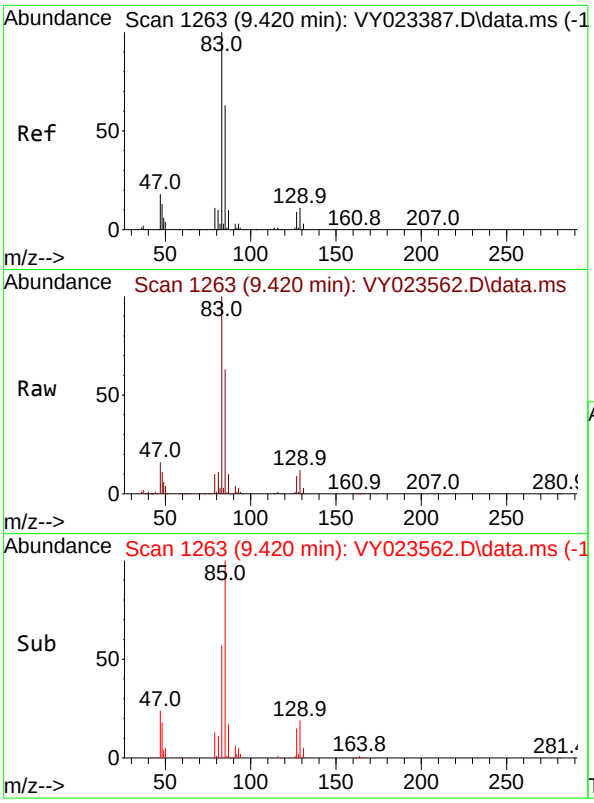


#46
Dibromomethane
Concen: 21.762 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 93 Resp: 61356

Ion	Ratio	Lower	Upper
93	100		
95	84.6	65.4	98.0
174	121.2	92.9	139.3

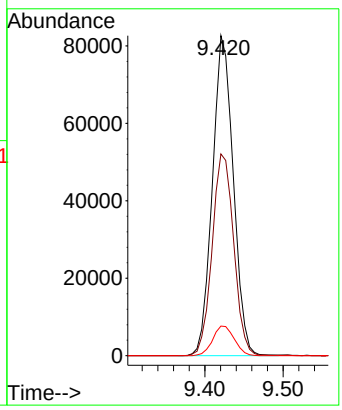




#47
Bromodichloromethane
Concen: 21.596 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 83 Resp: 15335

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.8	76.2
127	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
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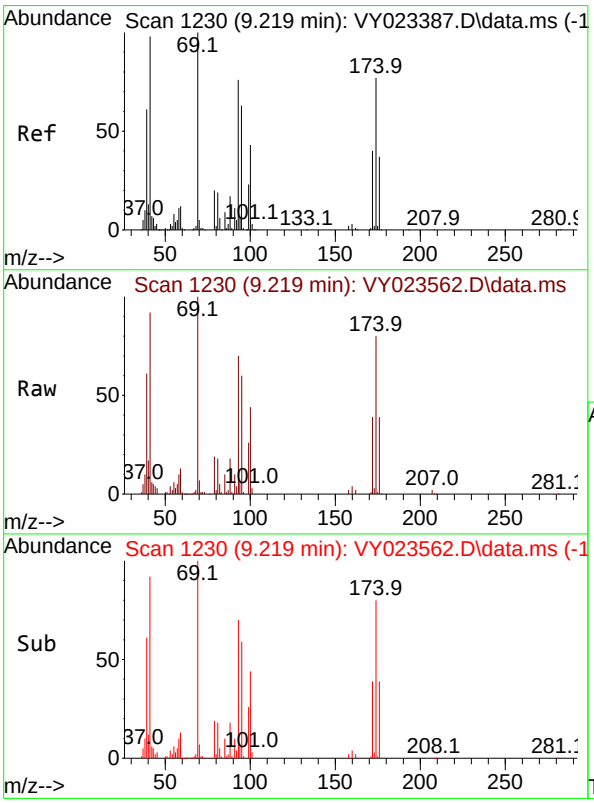
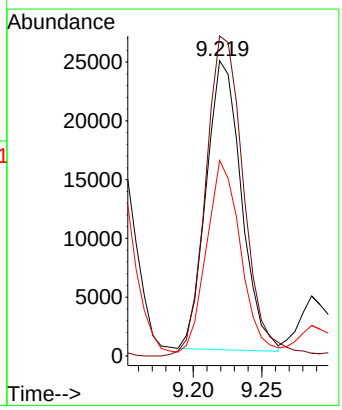
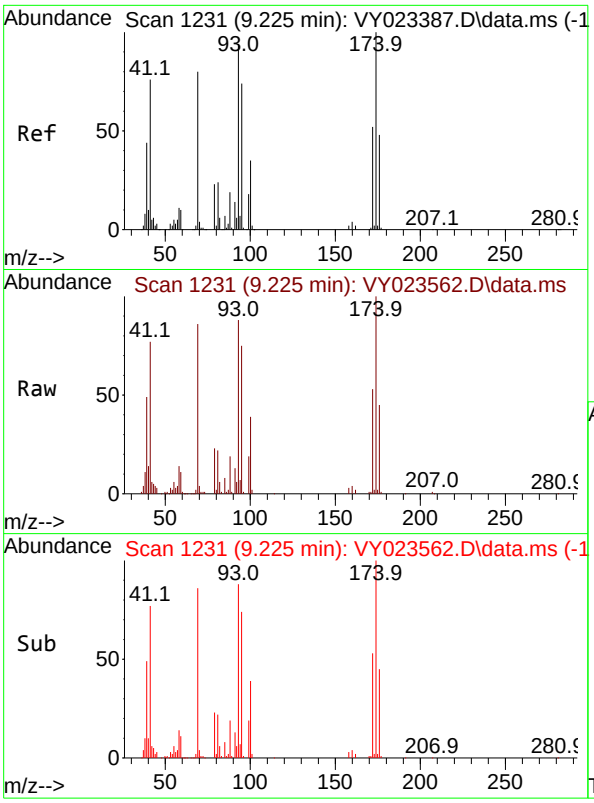


#48
Methyl methacrylate
Concen: 18.531 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 41 Resp: 43837

Ion	Ratio	Lower	Upper
41	100		
69	119.6	81.0	121.4
39	66.1	48.2	72.4





#49
1,4-Dioxane
Concen: 426.504 ug/l
RT: 9.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 88 Resp: 1394

Ion	Ratio	Lower	Upper
88	100		
43	23.7	21.8	32.8
58	59.8	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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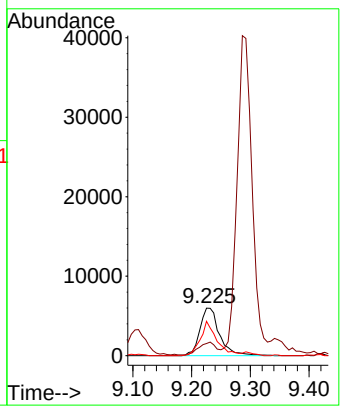
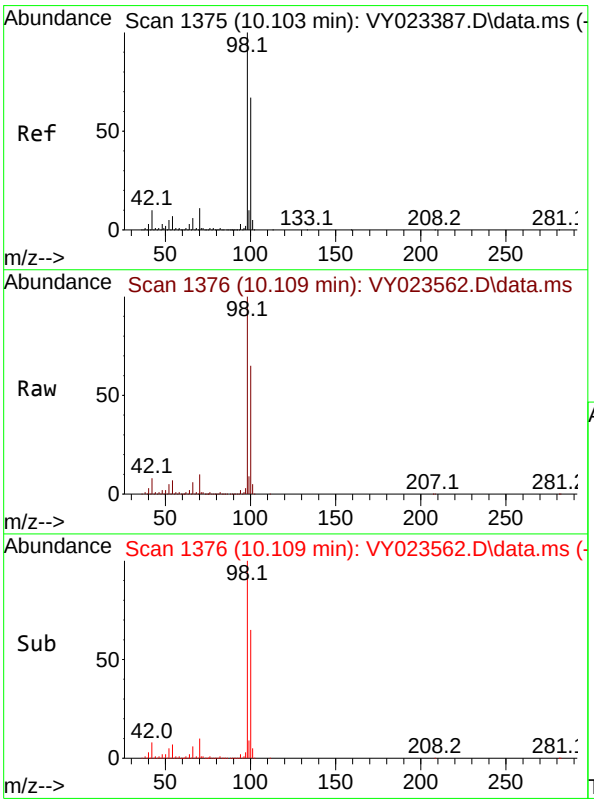
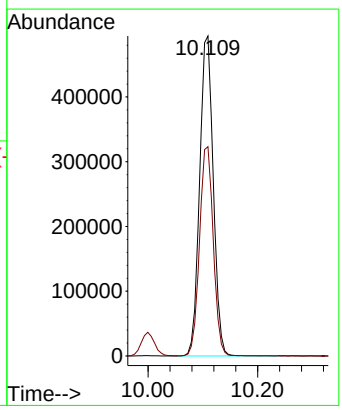


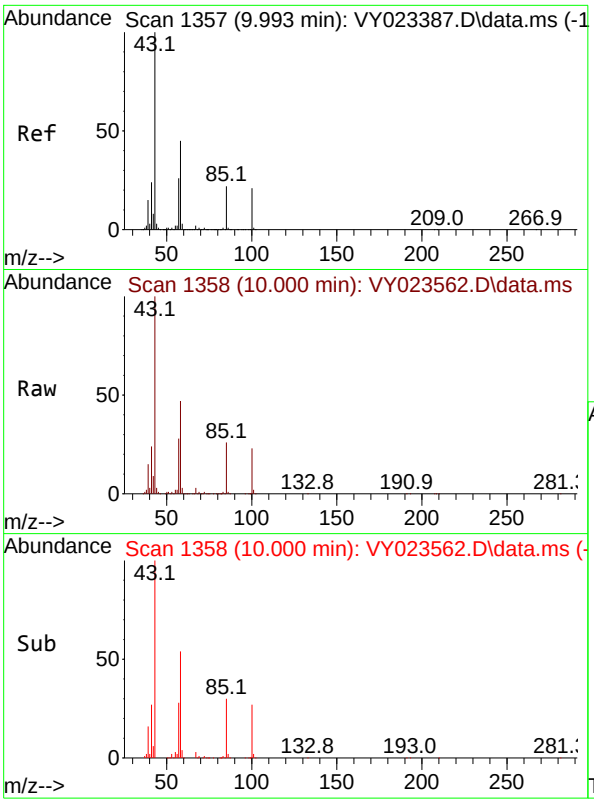


#50
Toluene-d8
Concen: 47.619 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 98 Resp: 853846

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.4

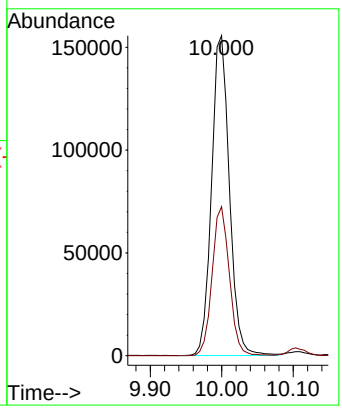




#51
4-Methyl-2-Pentanone
Concen: 103.526 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 43 Resp: 26934

Ion	Ratio	Lower	Upper
43	100		
58	45.2	35.3	52.9



Instrument :
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ClientSampleId :
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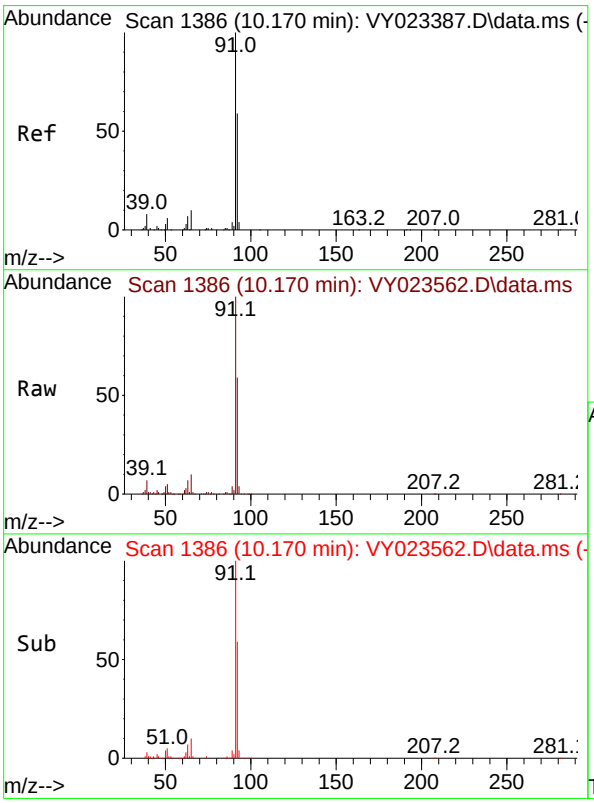
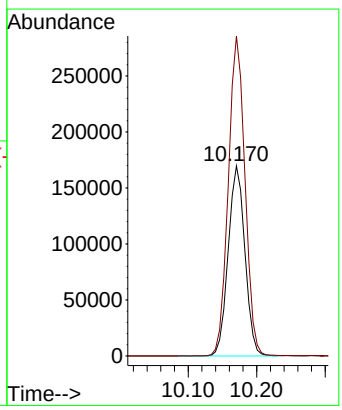
Supervised By :Mahesh Dadoda 10/27/2025

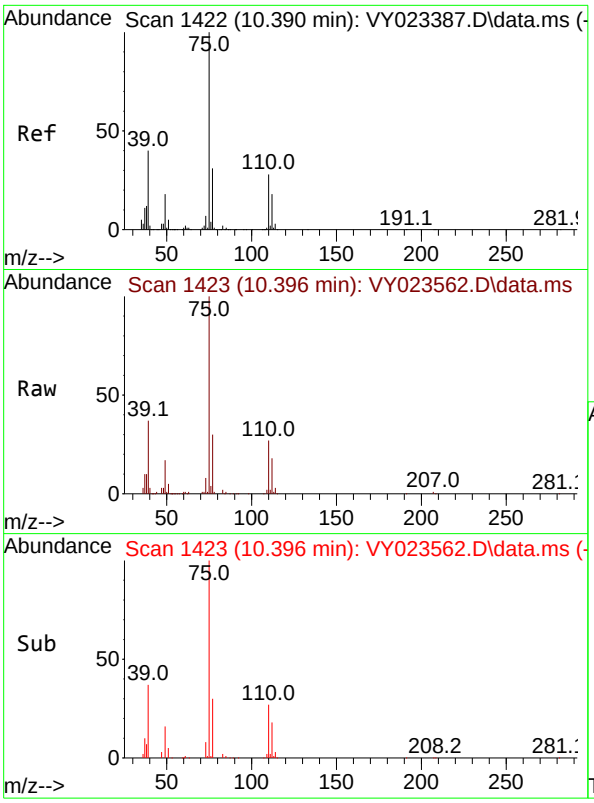


#52
Toluene
Concen: 21.935 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 92 Resp: 287505

Ion	Ratio	Lower	Upper
92	100		
91	168.2	136.4	204.6





#53
t-1,3-Dichloropropene
Concen: 21.252 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 75 Resp: 13121

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.1	37.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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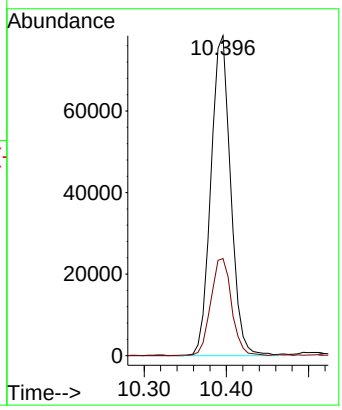
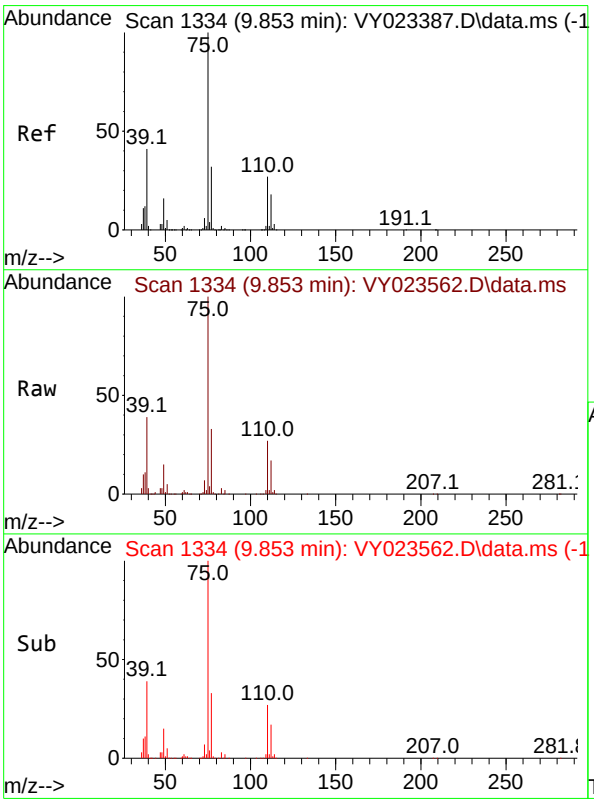
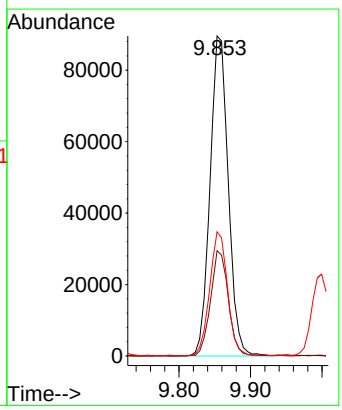


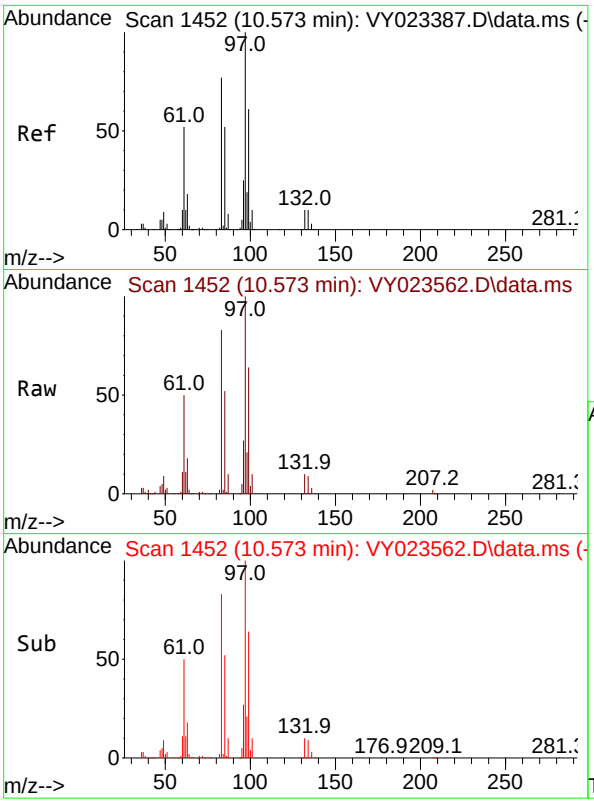


#54
cis-1,3-Dichloropropene
Concen: 21.760 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 75 Resp: 158569

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	38.7	32.8	49.2

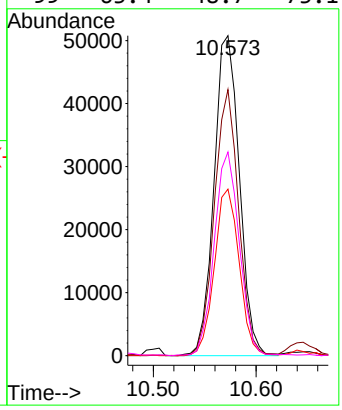




#55
1,1,2-Trichloroethane
Concen: 22.969 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 97 Resp: 8708

Ion	Ratio	Lower	Upper
97	100		
83	83.2	61.8	92.6
85	52.1	41.3	61.9
99	63.4	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
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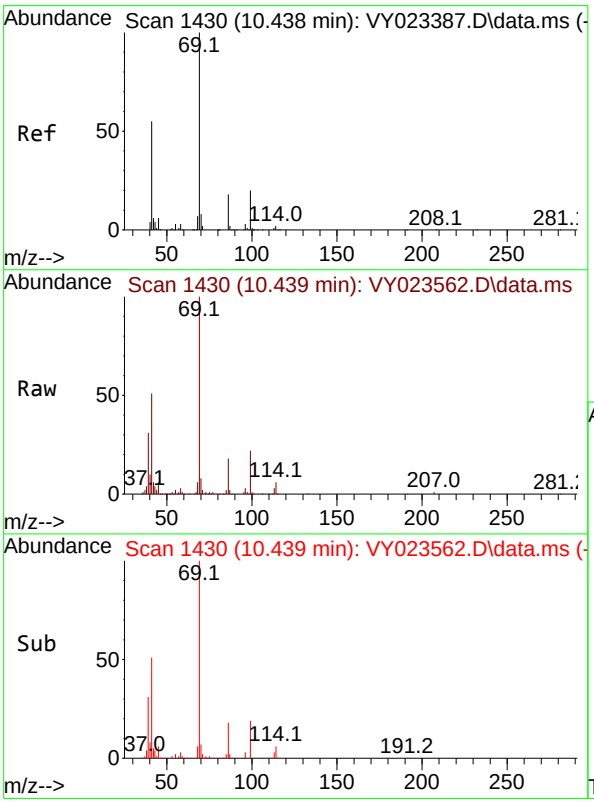
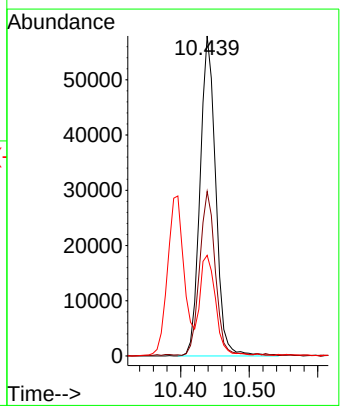
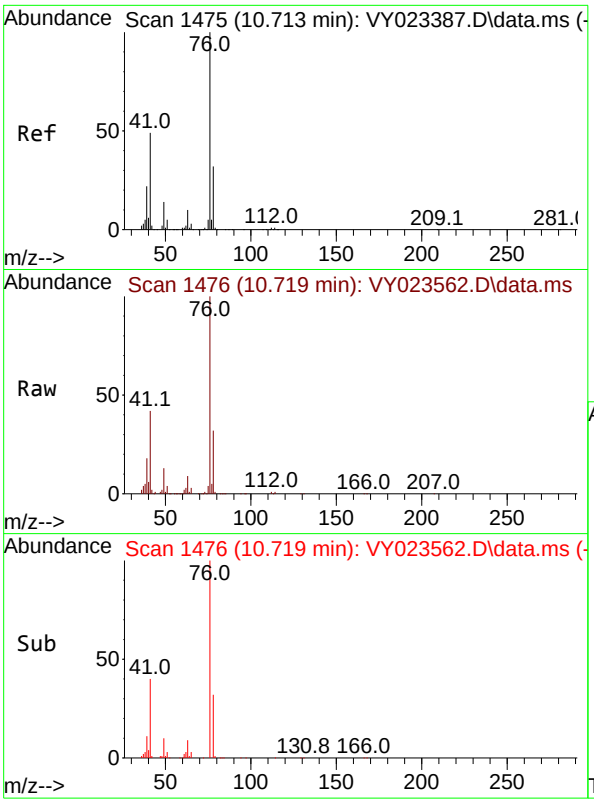


#56
Ethyl methacrylate
Concen: 21.090 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 69 Resp: 92237

Ion	Ratio	Lower	Upper
69	100		
41	51.1	44.6	67.0
39	30.5	27.0	40.4





#57
1,3-Dichloropropane
Concen: 22.110 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 76 Resp: 13283

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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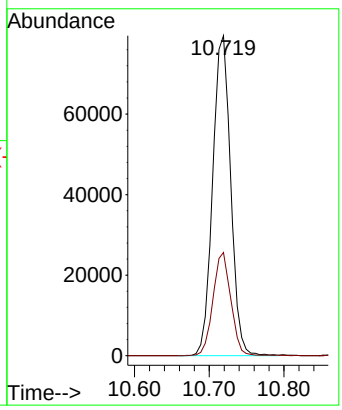
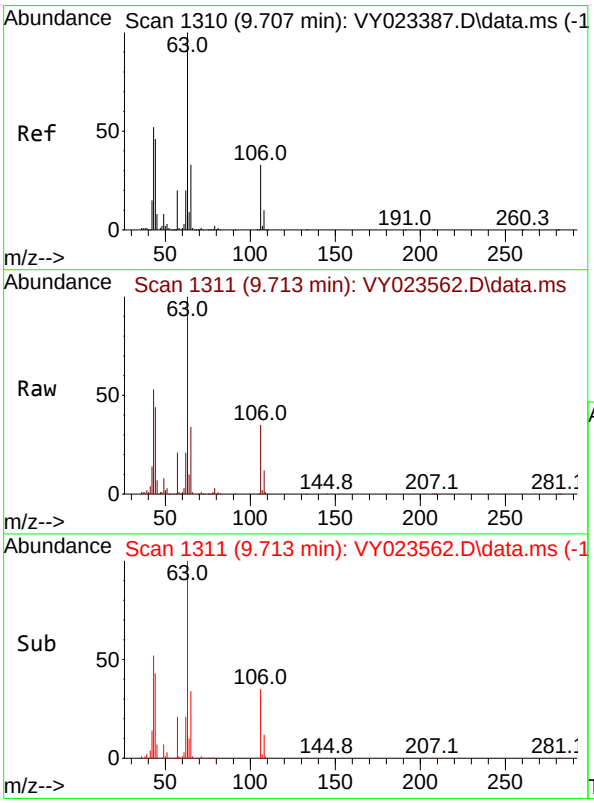
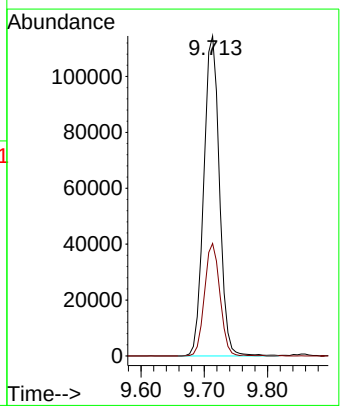


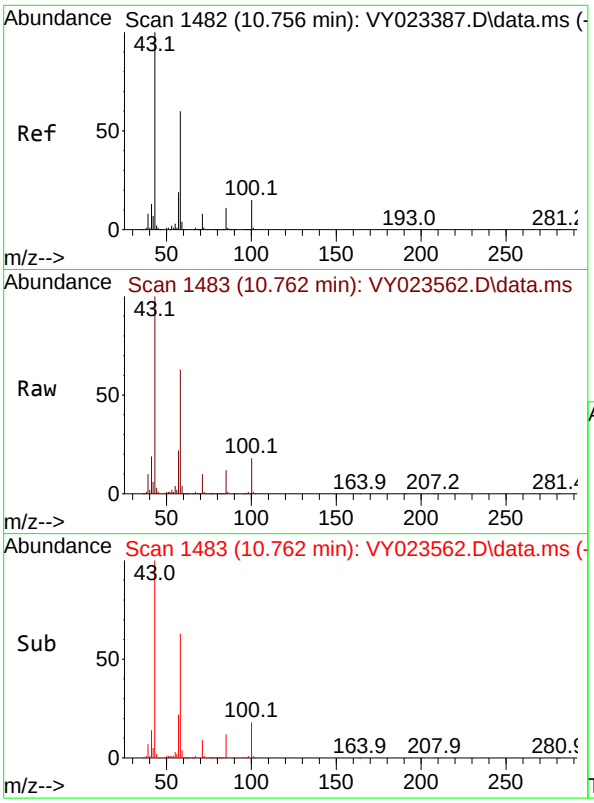


#58
2-Chloroethyl Vinyl ether
Concen: 100.804 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 63 Resp: 197494

Ion	Ratio	Lower	Upper
63	100		
106	34.8	26.6	39.8

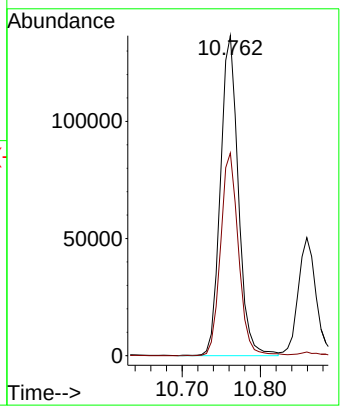




#59
2-Hexanone
Concen: 116.754 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 43 Resp: 21707

Ion	Ratio	Lower	Upper
43	100		
58	63.5	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
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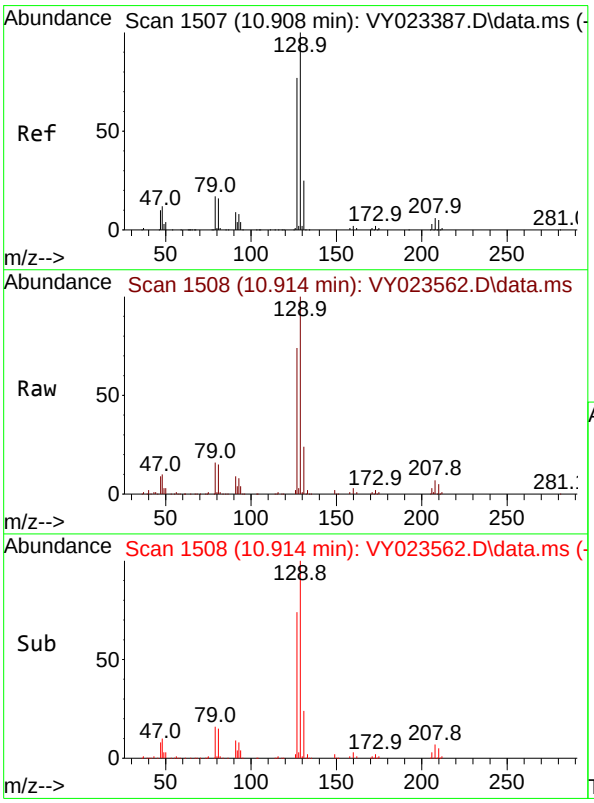
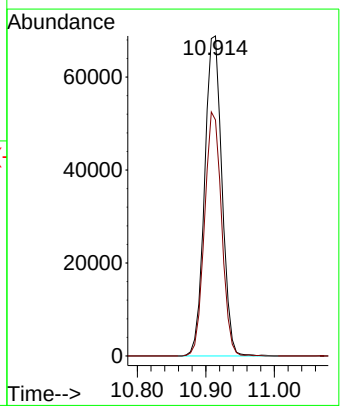
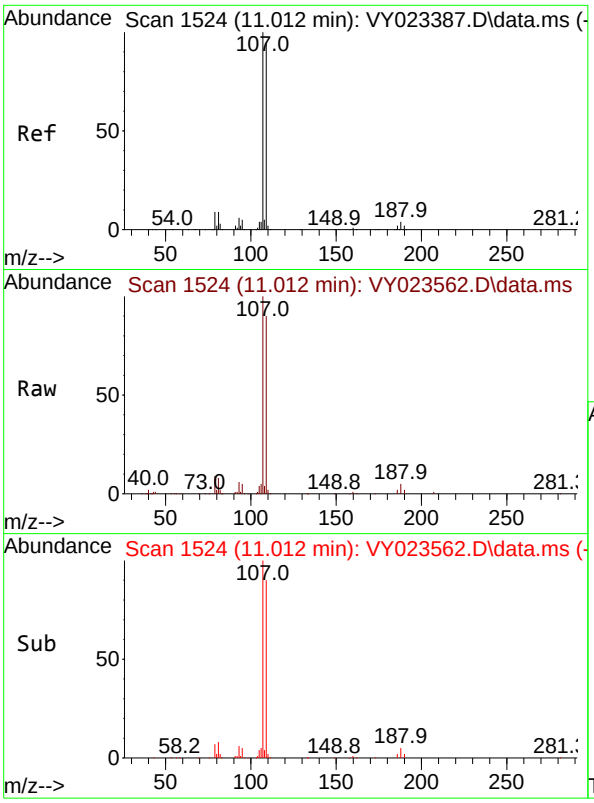


#60
Dibromochloromethane
Concen: 22.725 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:129 Resp: 120798

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.6	115.7





#61
1,2-Dibromoethane
Concen: 22.484 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:107 Resp: 8129

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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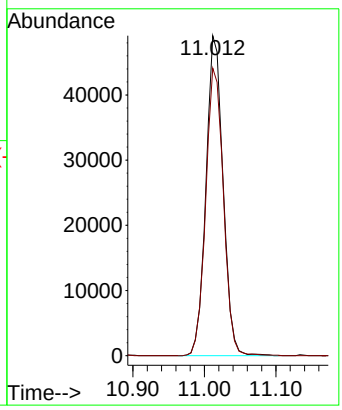
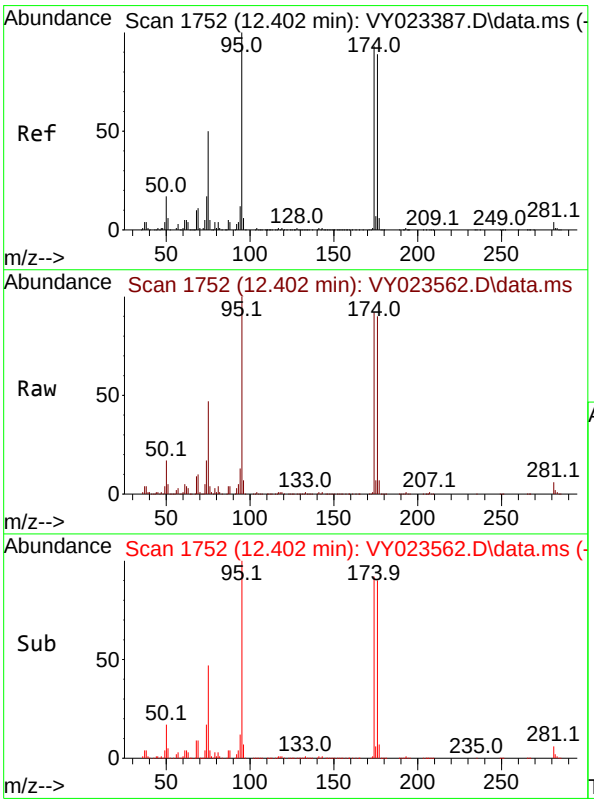
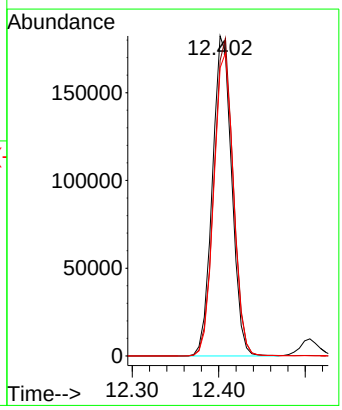


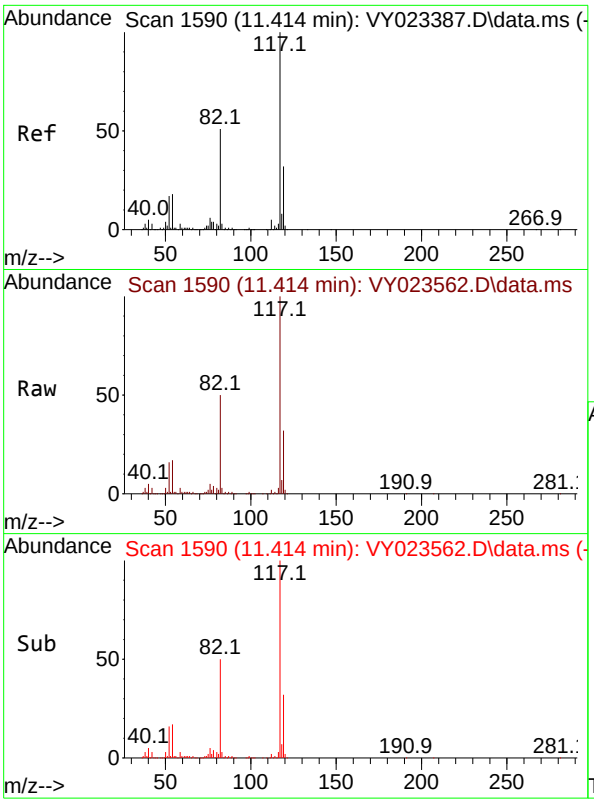


#62
4-Bromofluorobenzene
Concen: 47.784 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 95 Resp: 282869

Ion	Ratio	Lower	Upper
95	100		
174	99.0	0.0	192.8
176	96.0	0.0	187.6

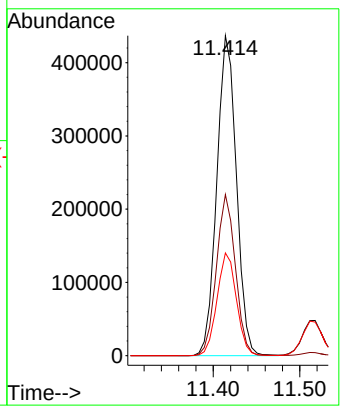




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:117 Resp: 68658

Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.0	61.4
119	32.1	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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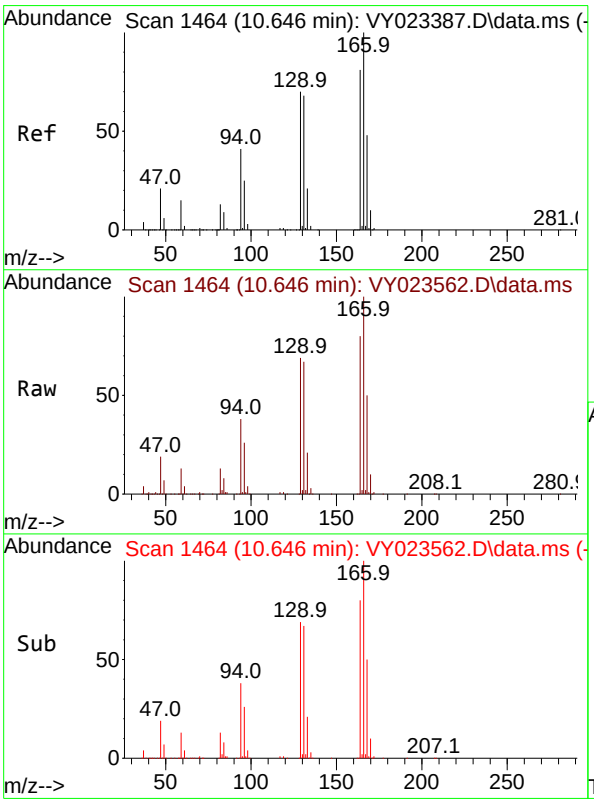
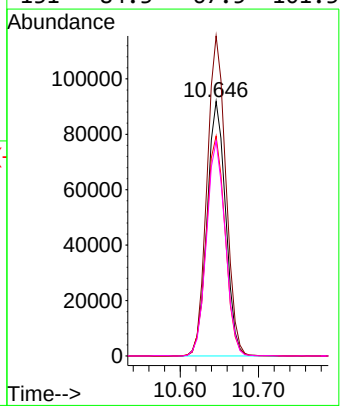
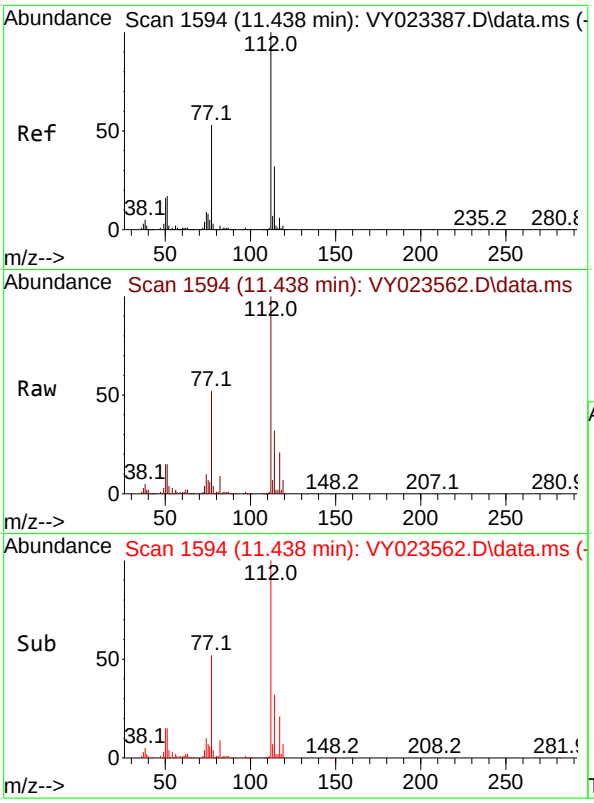


#64
Tetrachloroethene
Concen: 21.309 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:164 Resp: 151062

Ion	Ratio	Lower	Upper
164	100		
166	125.7	99.4	149.0
129	86.4	69.4	104.2
131	84.3	67.5	101.3

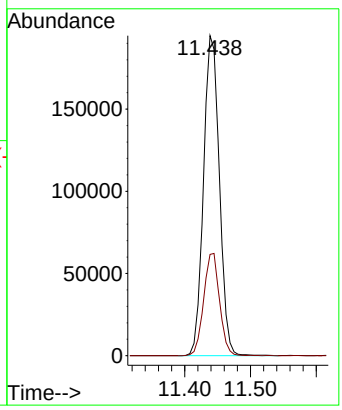




#65
Chlorobenzene
Concen: 21.874 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:112 Resp: 32664

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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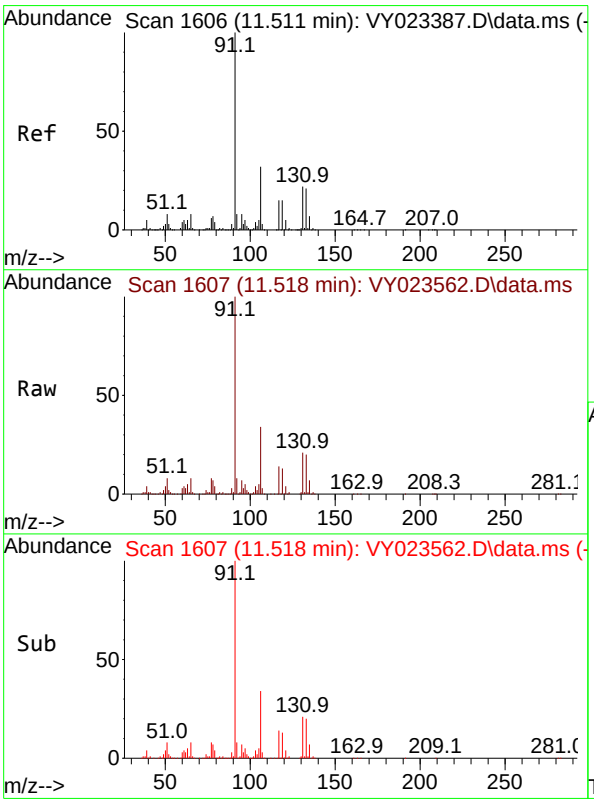
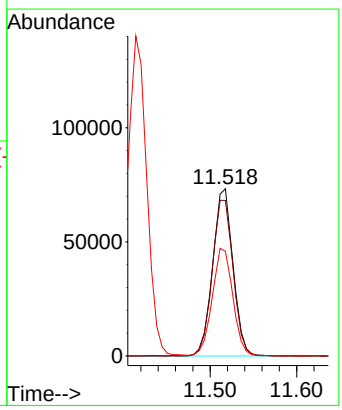
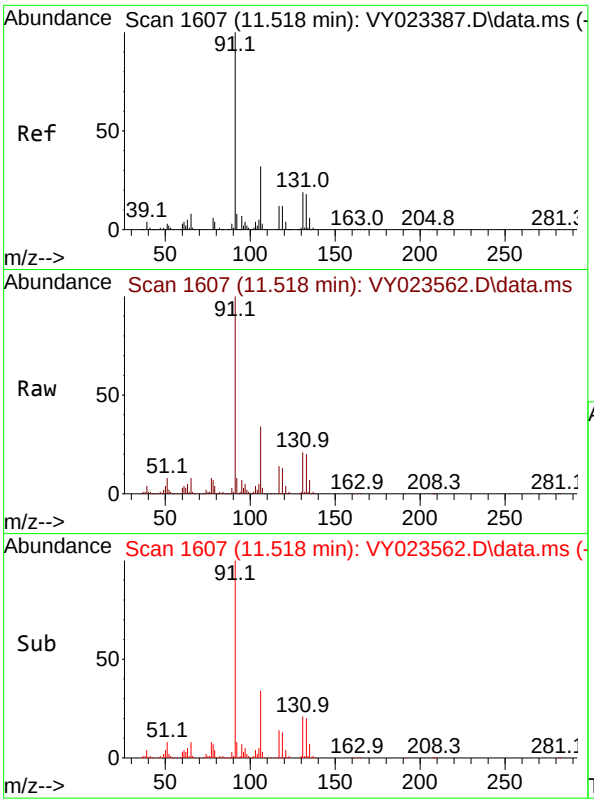


#66
1,1,1,2-Tetrachloroethane
Concen: 22.357 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:131 Resp: 118969

Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.4	145.2
119	65.5	32.4	97.2

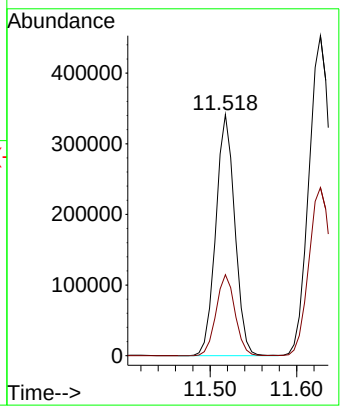




#67
Ethyl Benzene
Concen: 21.473 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 91 Resp: 51903

Ion	Ratio	Lower	Upper
91	100		
106	33.6	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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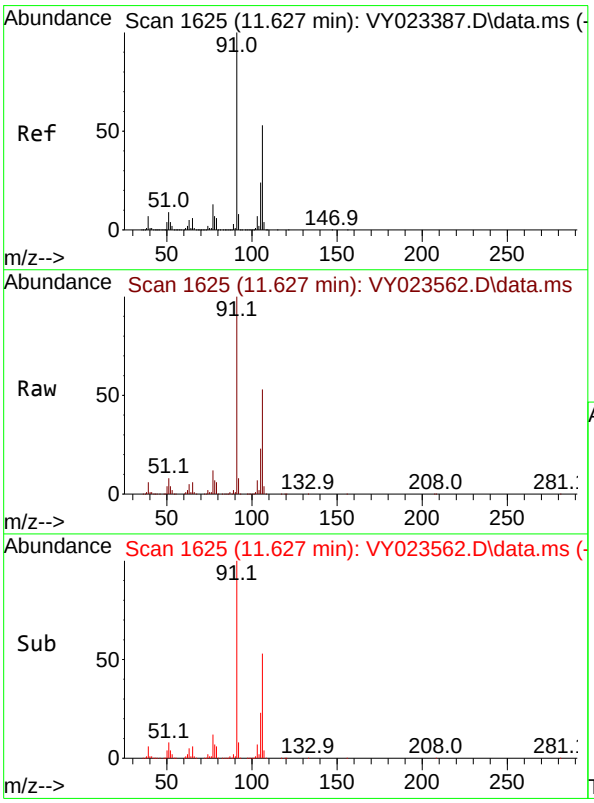
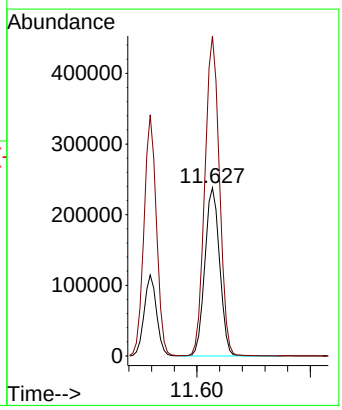
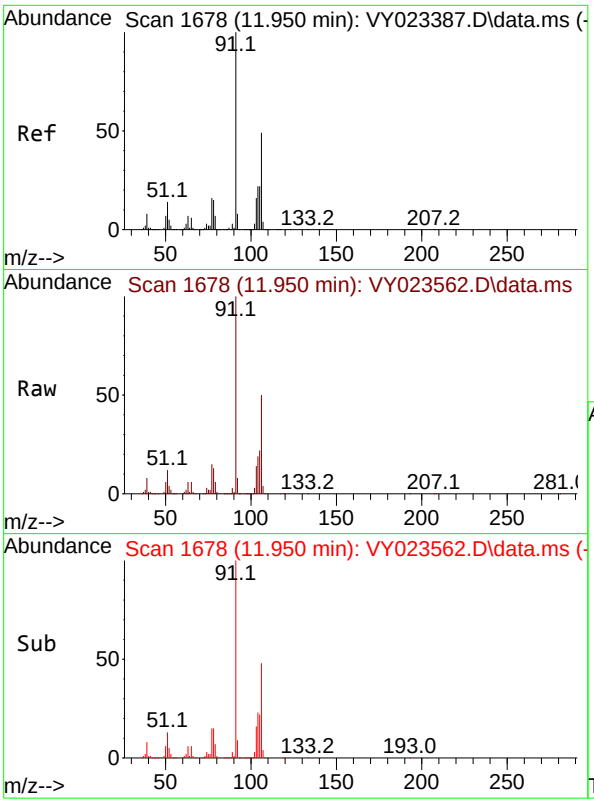


#68
m/p-Xylenes
Concen: 44.437 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:106 Resp: 430825

Ion	Ratio	Lower	Upper
106	100		
91	187.4	152.6	229.0





#69
o-Xylene
Concen: 21.978 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:106 Resp: 19986

Ion	Ratio	Lower	Upper
106	100		
91	199.8	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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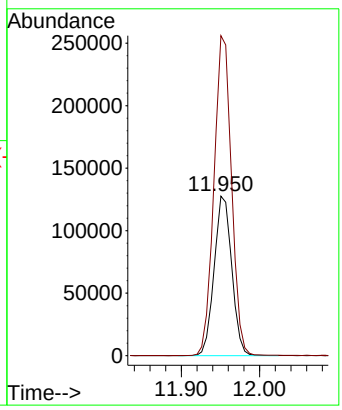
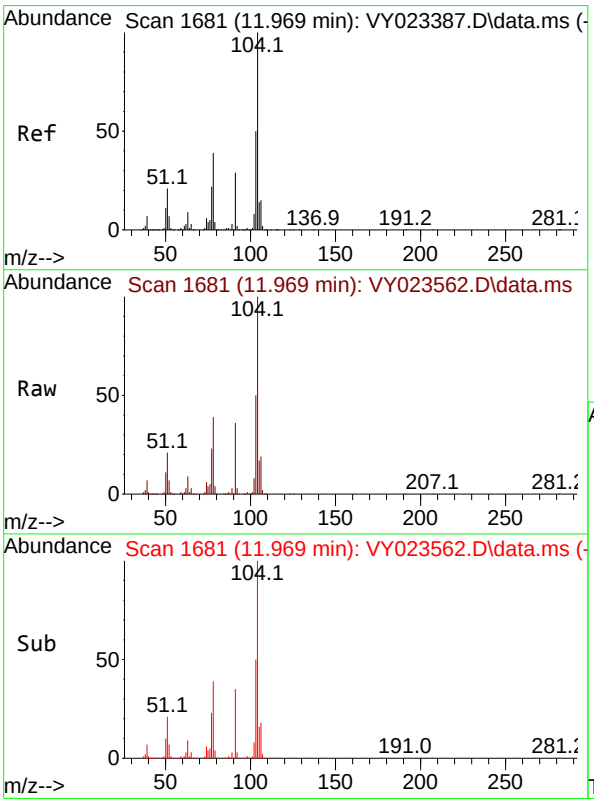
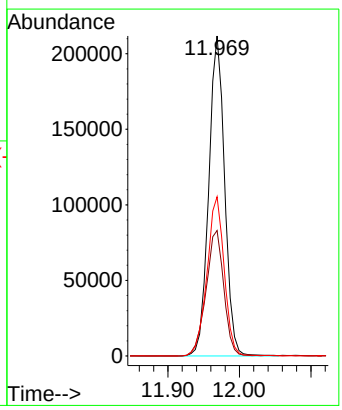


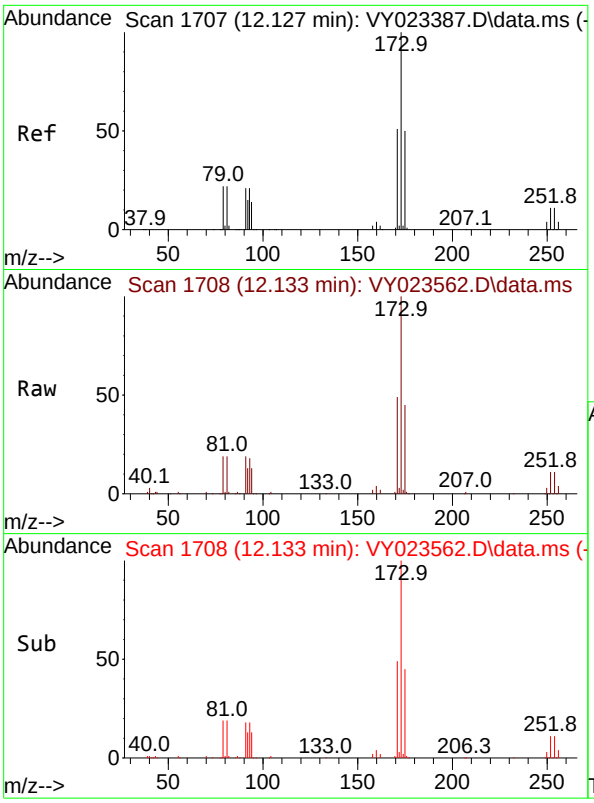


#70
Styrene
Concen: 21.872 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:104 Resp: 327085

Ion	Ratio	Lower	Upper
104	100		
78	43.8	36.1	54.1
103	53.8	43.2	64.8

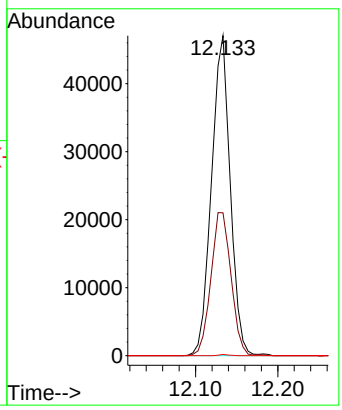




#71
Bromoform
Concen: 22.597 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:173 Resp: 7458

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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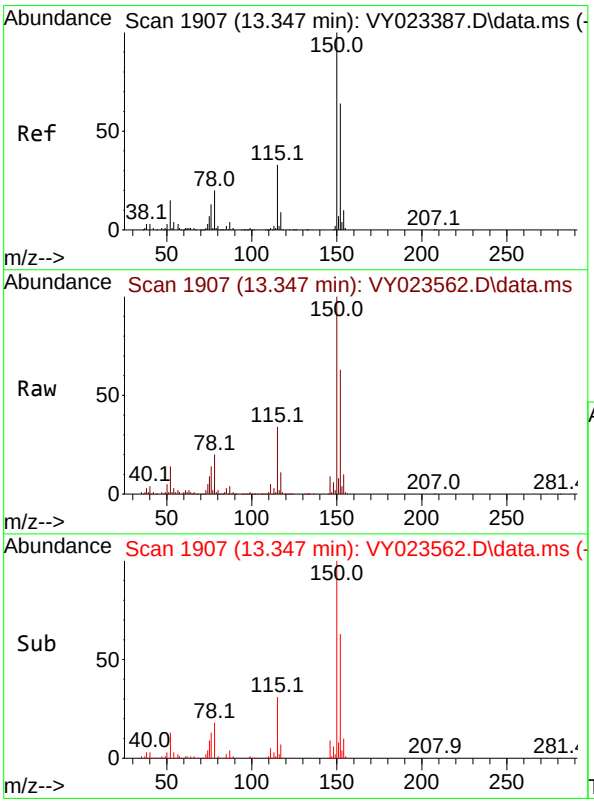
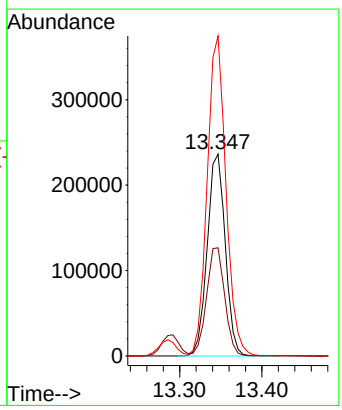
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

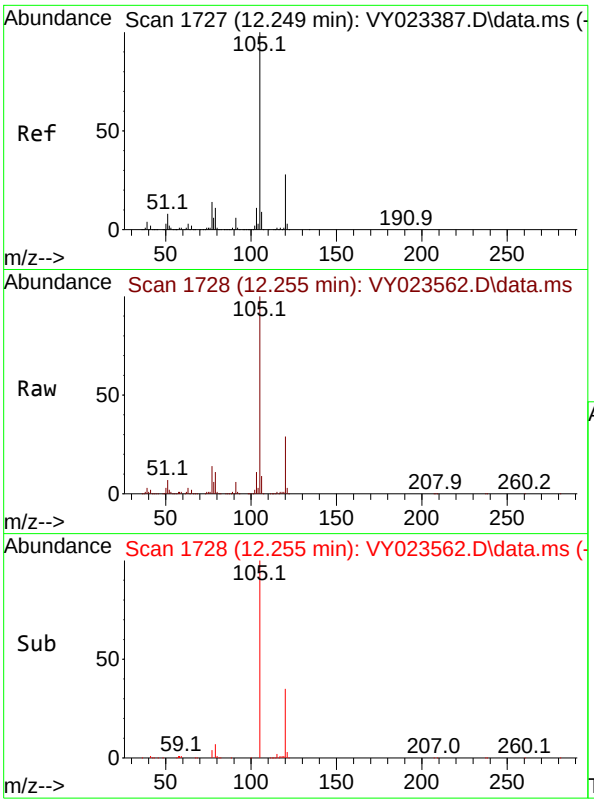


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:152 Resp: 360721

Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.1	81.2
150	164.2	0.0	347.4

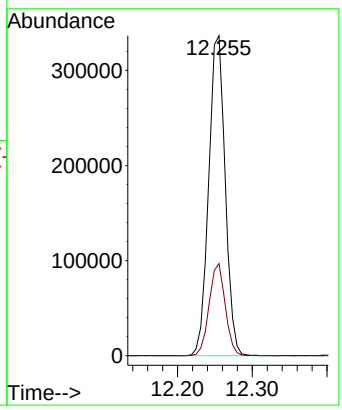




#73
Isopropylbenzene
Concen: 21.751 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:105 Resp: 51706

Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.9	41.7



Instrument :
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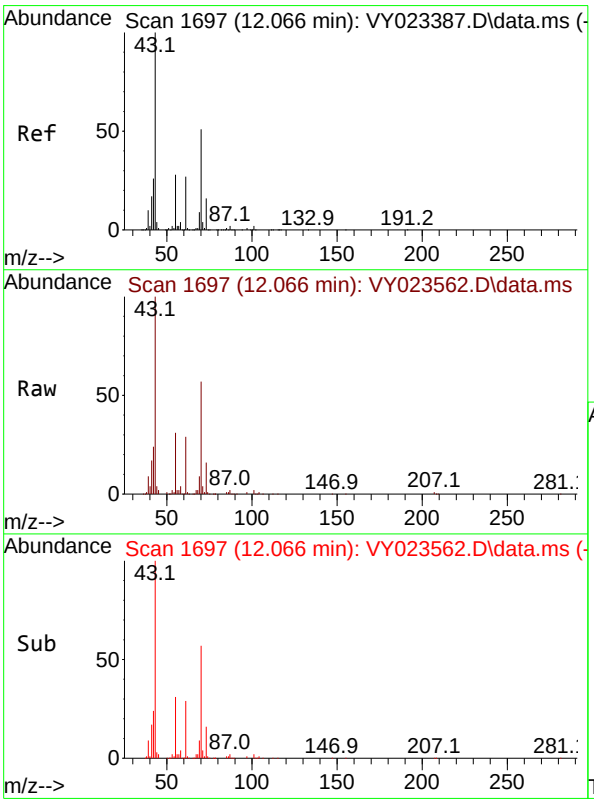
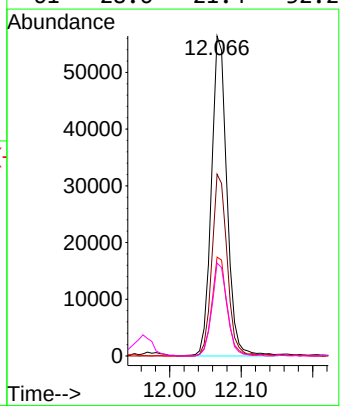
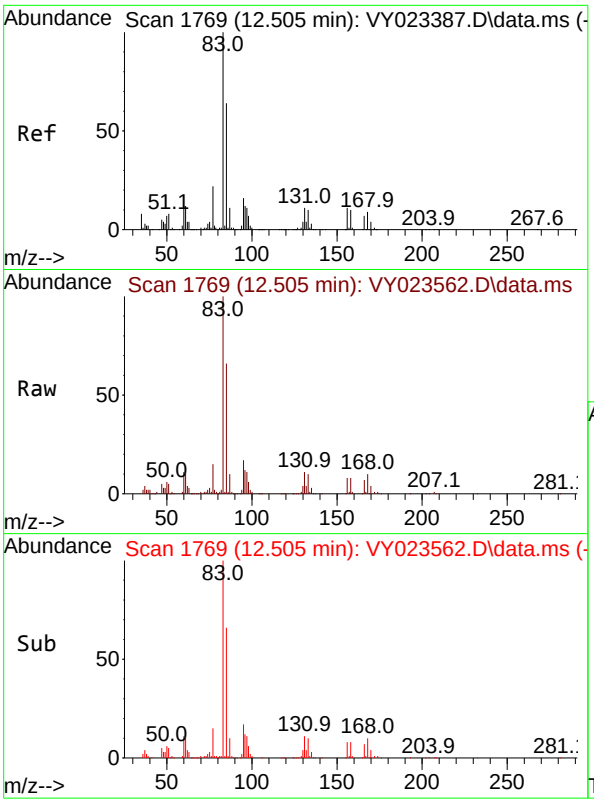


#74
N-amyl acetate
Concen: 19.917 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 43 Resp: 85040

Ion	Ratio	Lower	Upper
43	100		
70	56.0	41.1	61.7
55	30.2	23.0	34.6
61	28.6	21.4	32.2

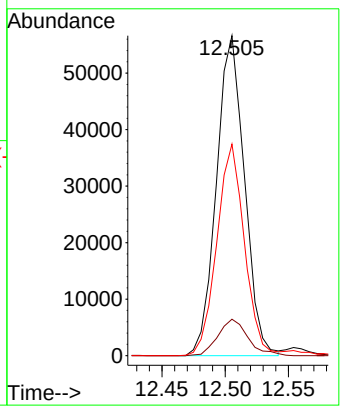




#75
1,1,2,2-Tetrachloroethane
Concen: 22.446 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 83 Resp: 8727

Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.9	17.6
85	66.5	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
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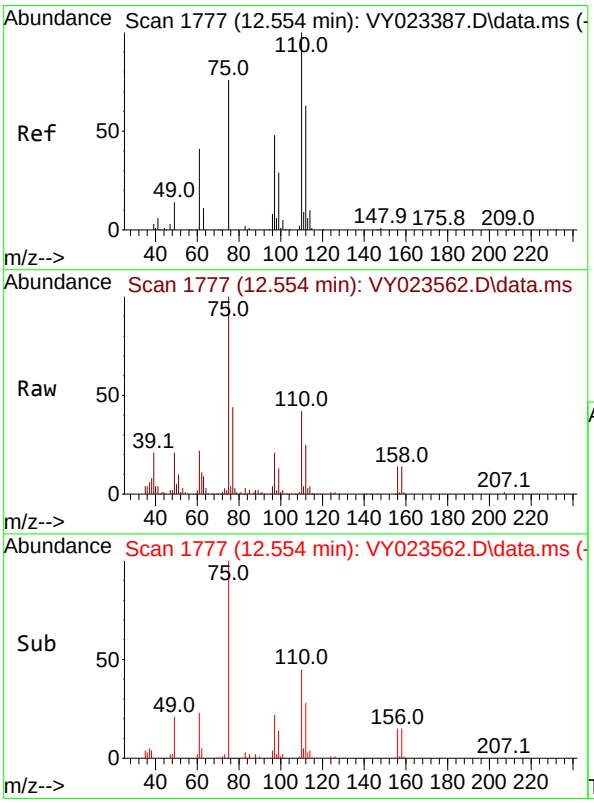
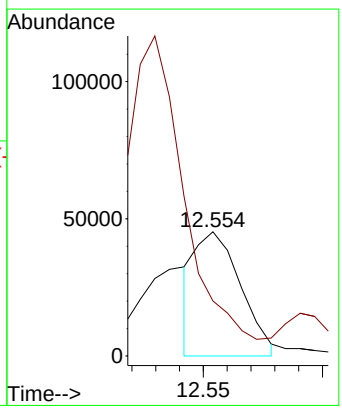
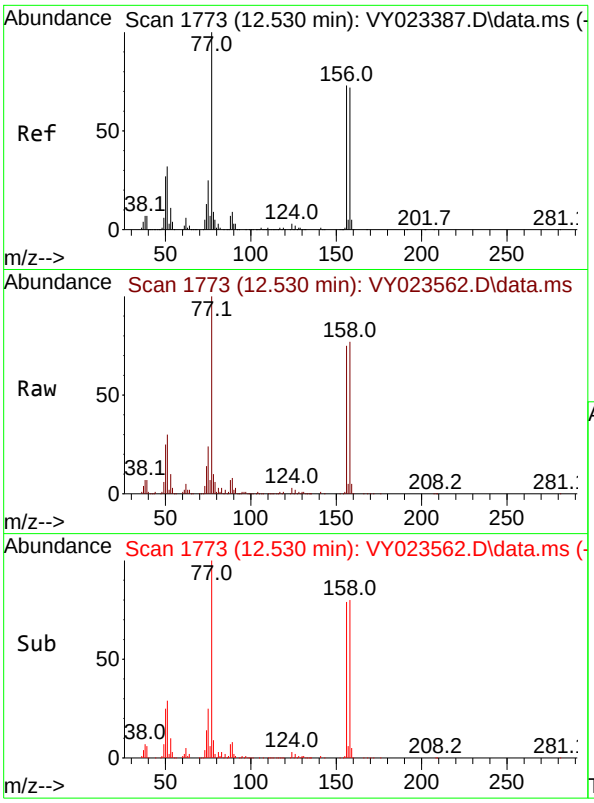


#76
1,2,3-Trichloropropane
Concen: 18.999 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 75 Resp: 60466

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

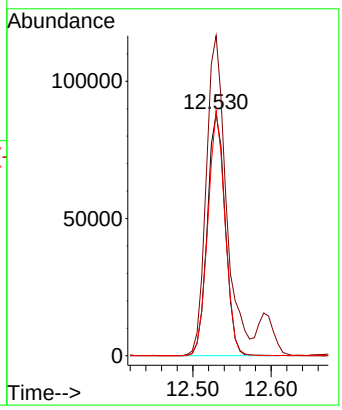




#77
Bromobenzene
Concen: 22.023 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:156 Resp: 13918

Ion	Ratio	Lower	Upper
156	100		
77	148.1	76.8	230.5
158	97.6	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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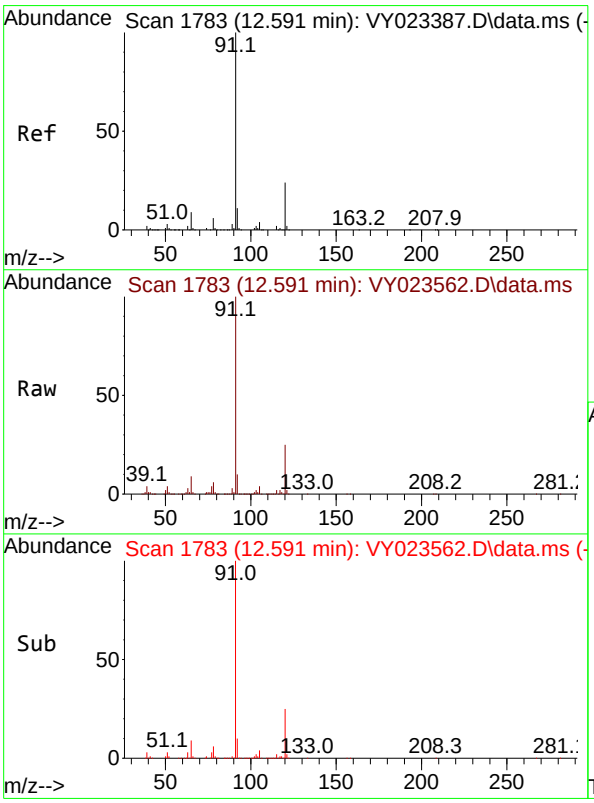
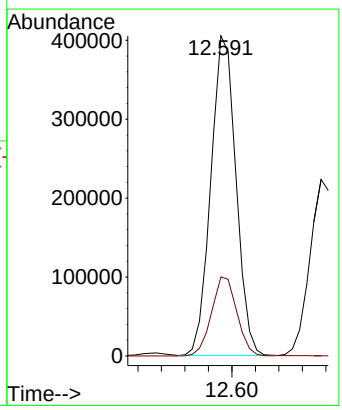
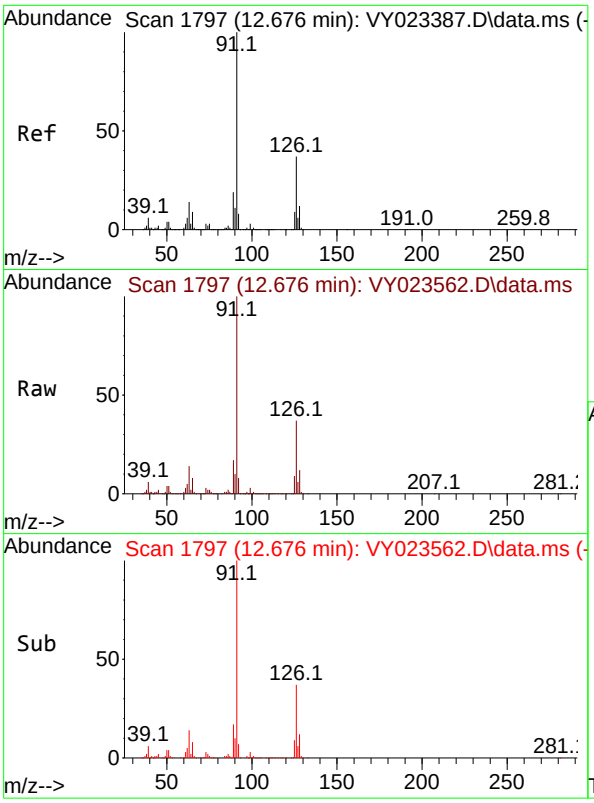


#78
n-propylbenzene
Concen: 21.905 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 91 Resp: 602594

Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.3	36.8

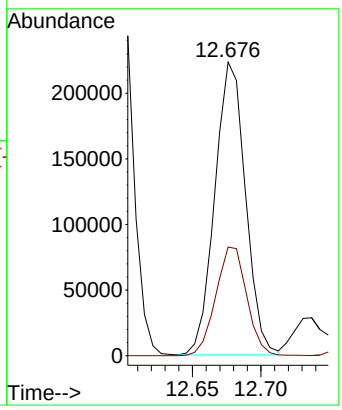




#79
2-Chlorotoluene
Concen: 21.582 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 91 Resp: 34766

Ion	Ratio	Lower	Upper
91	100		
126	37.5	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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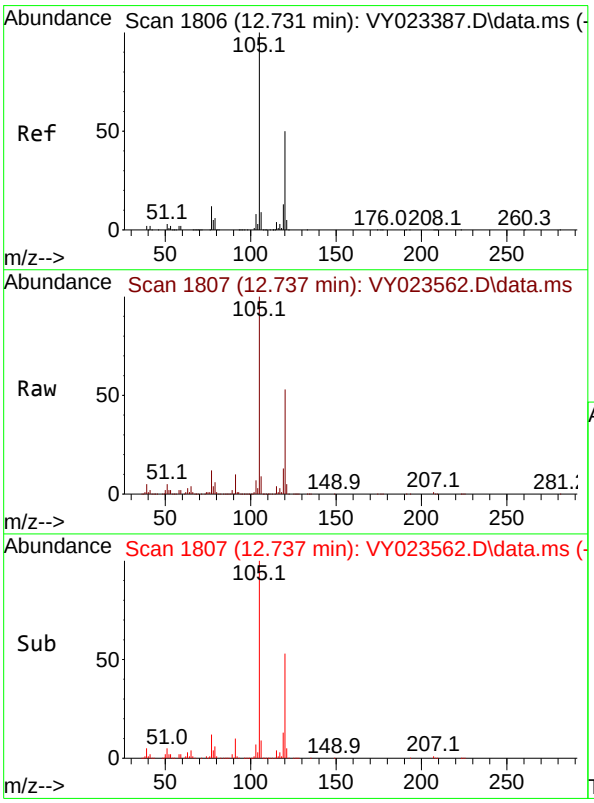
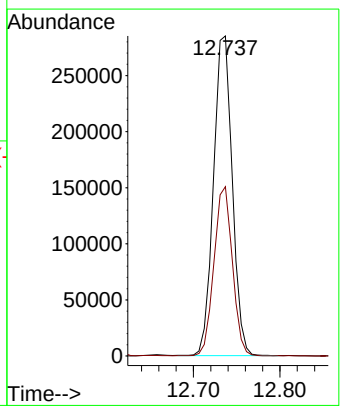
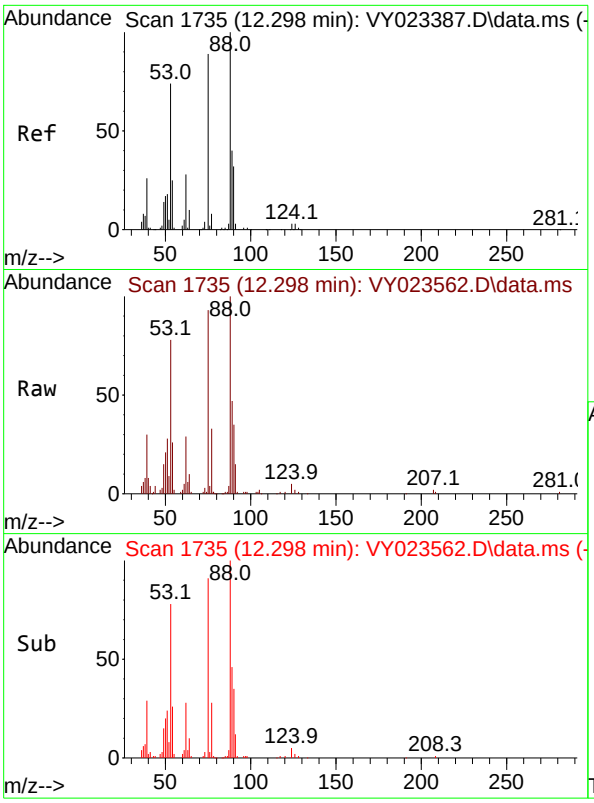


#80
1,3,5-Trimethylbenzene
Concen: 22.344 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:105 Resp: 429209

Ion	Ratio	Lower	Upper
105	100		
120	51.9	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 21.169 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 75 Resp: 2747

Ion	Ratio	Lower	Upper
75	100		
53	82.2	68.6	102.8
89	49.7	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
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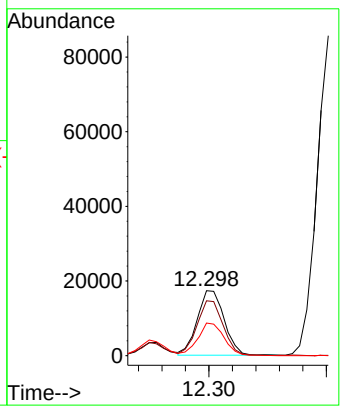
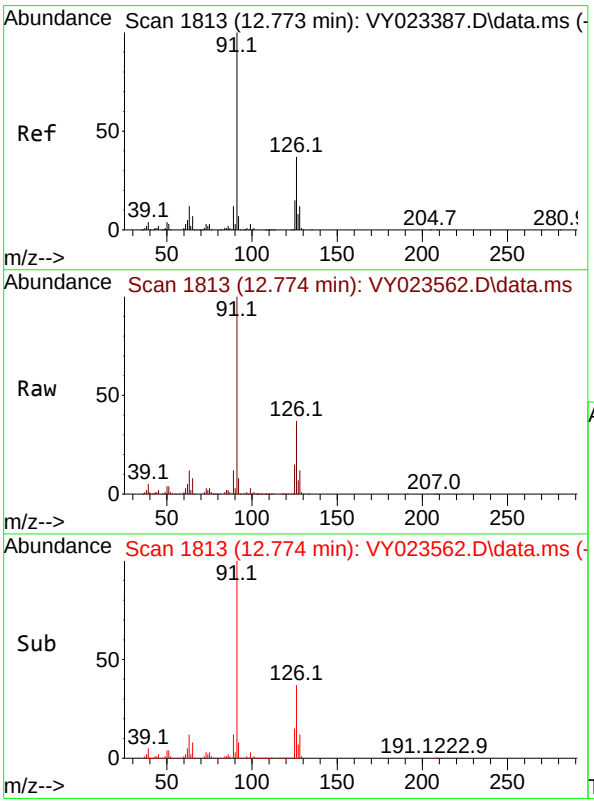
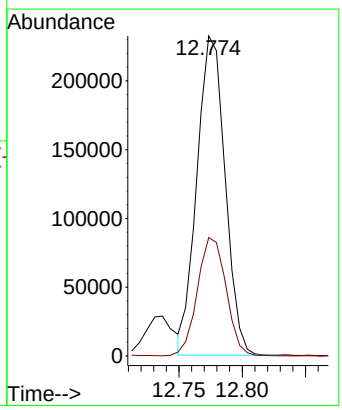


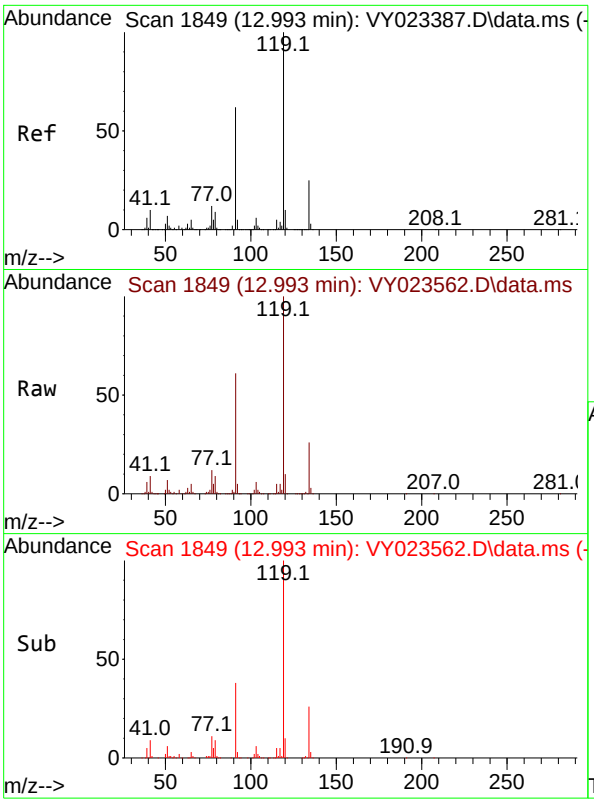


#82
4-Chlorotoluene
Concen: 21.703 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 91 Resp: 360070

Ion	Ratio	Lower	Upper
91	100		
126	37.9	18.4	55.4





#83
tert-Butylbenzene
Concen: 22.492 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:119 Resp: 39892

Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.9	89.8
134	26.5	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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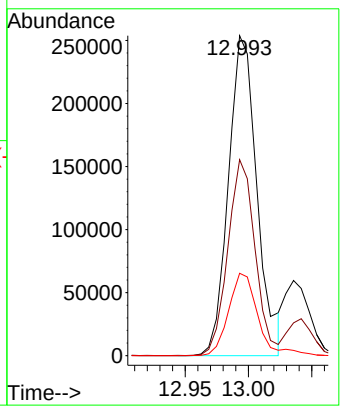
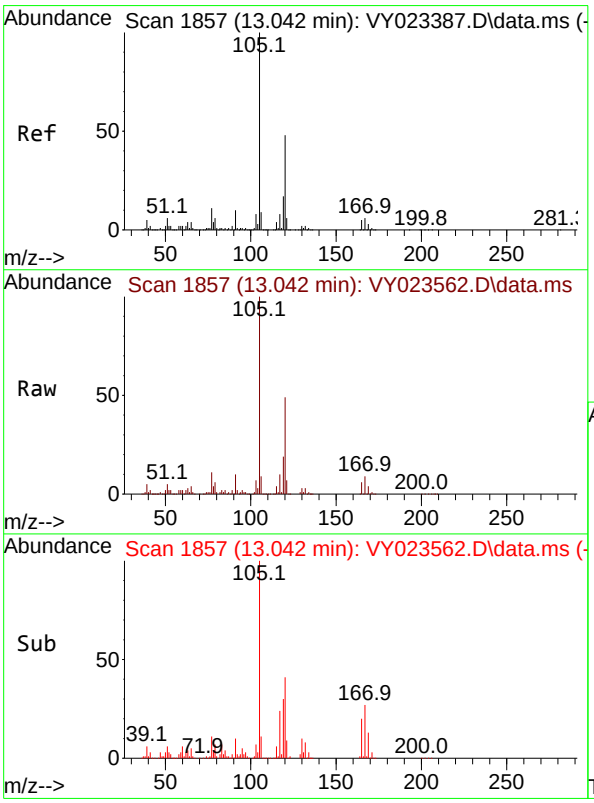
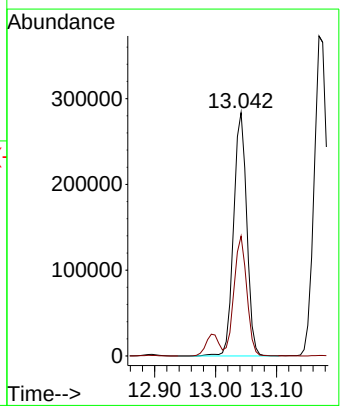


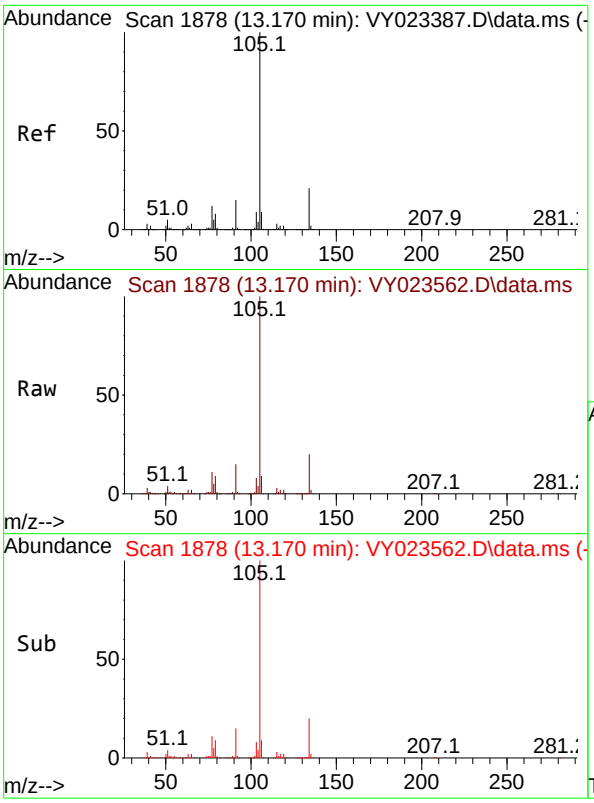


#84
1,2,4-Trimethylbenzene
Concen: 22.163 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:105 Resp: 424880

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.8	71.2

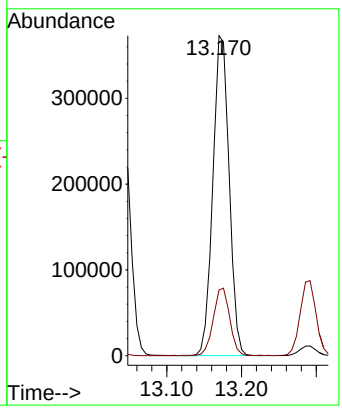




#85
sec-Butylbenzene
Concen: 22.184 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:105 Resp: 56441

Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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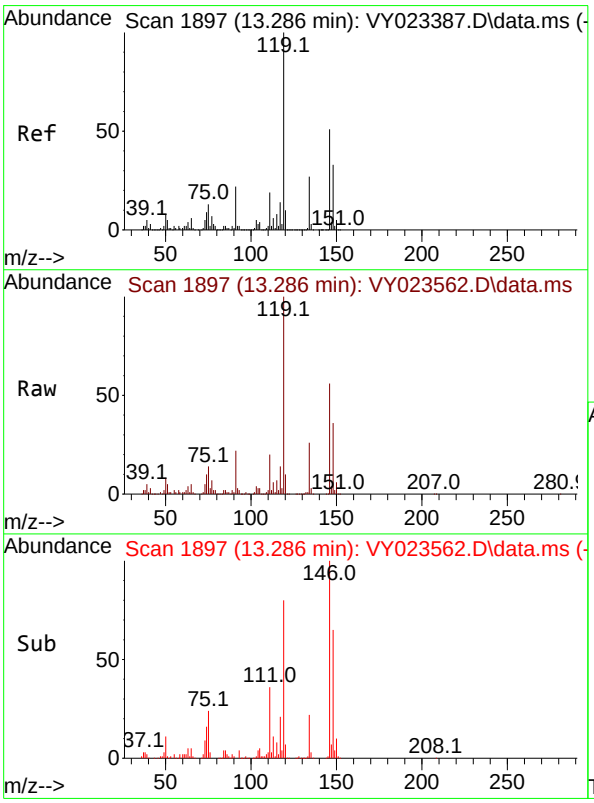
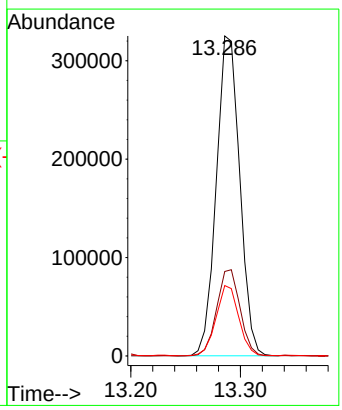
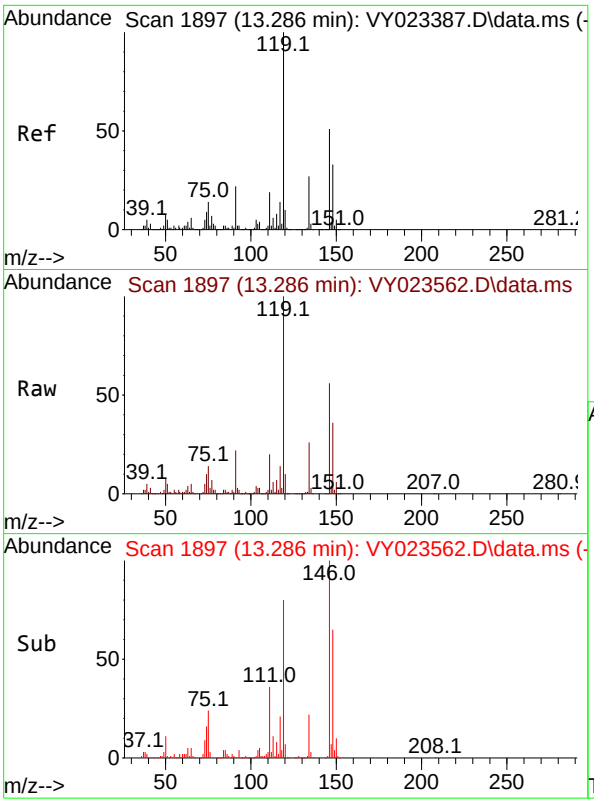


#86
p-Isopropyltoluene
Concen: 22.265 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:119 Resp: 482314

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	21.3	10.9	32.9

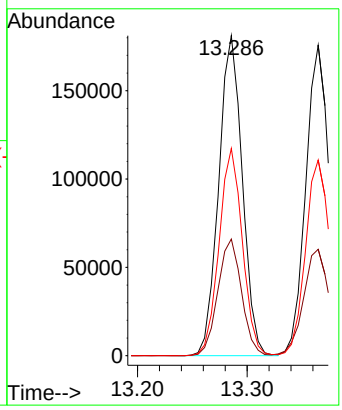




#87
1,3-Dichlorobenzene
Concen: 22.046 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:146 Resp: 27131

Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	64.0	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

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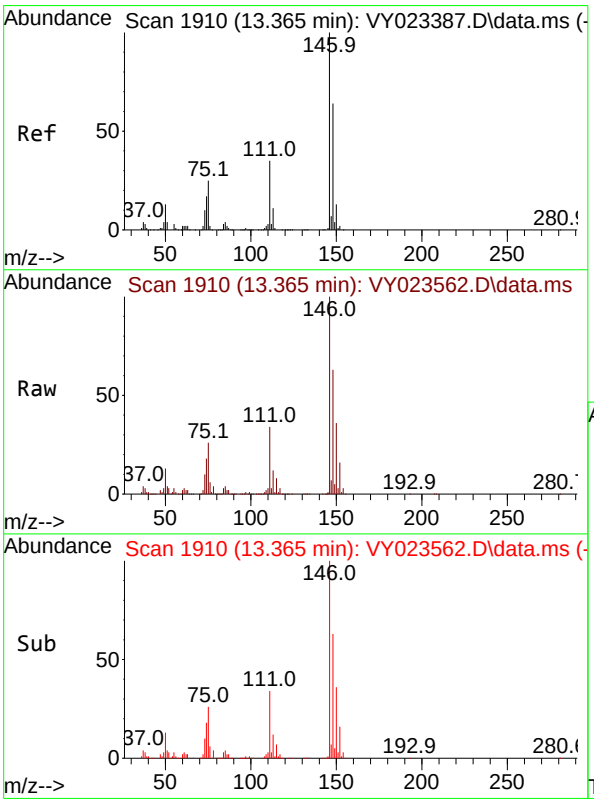
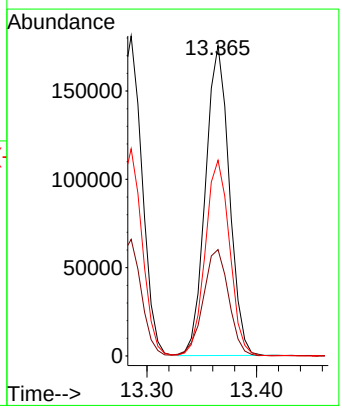
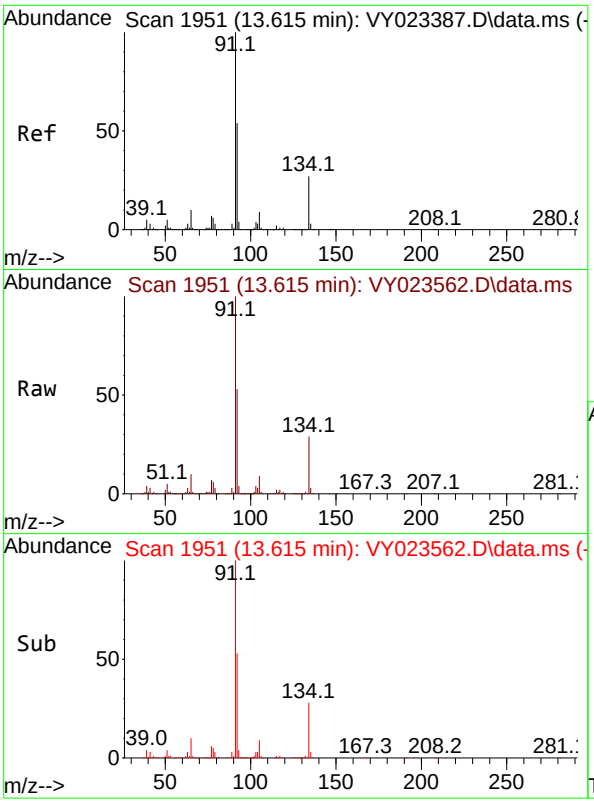


#88
1,4-Dichlorobenzene
Concen: 21.761 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:146 Resp: 264489

Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.0	54.0
148	64.6	31.9	95.7

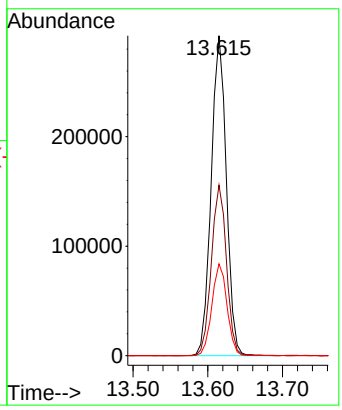




#89
n-Butylbenzene
Concen: 21.770 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 91 Resp: 41091

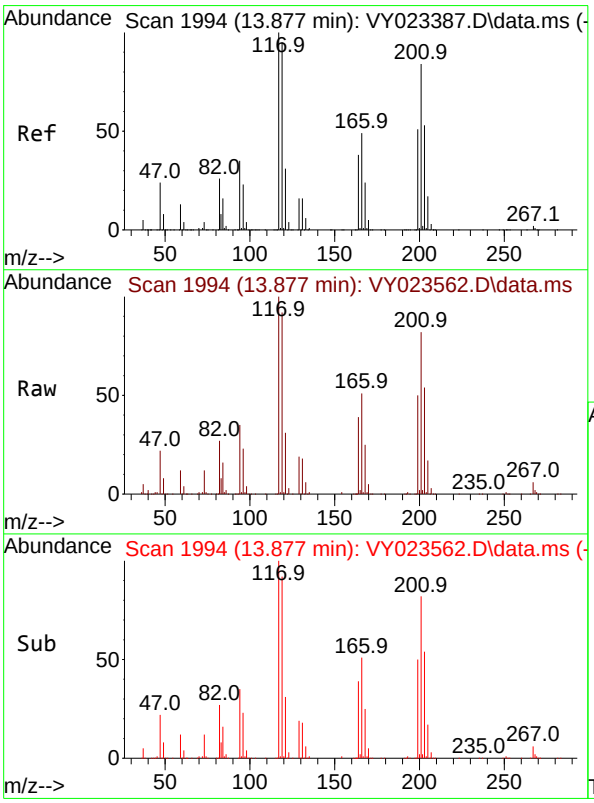
Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.0	80.8
134	28.7	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
APPROVED

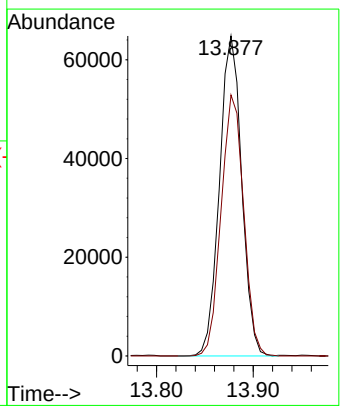
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

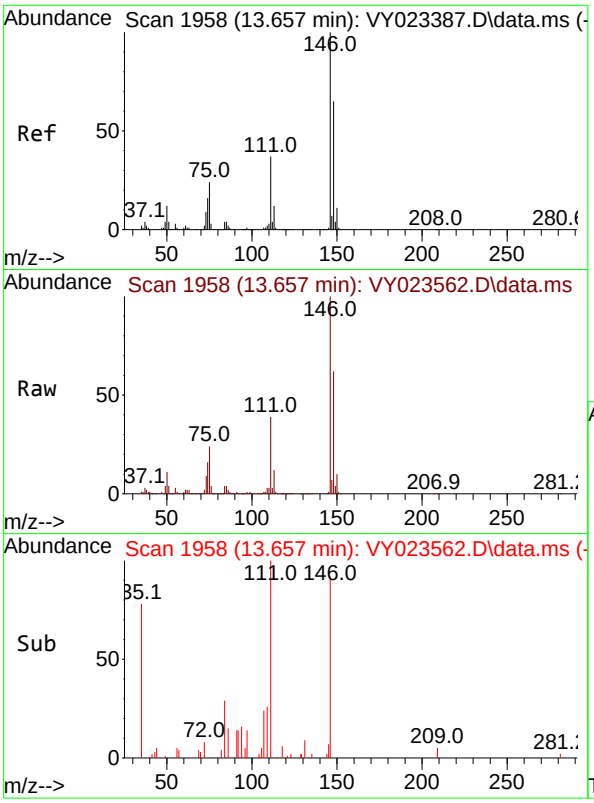


#90
Hexachloroethane
Concen: 22.140 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:117 Resp: 103152

Ion	Ratio	Lower	Upper
117	100		
201	82.6	43.8	131.4

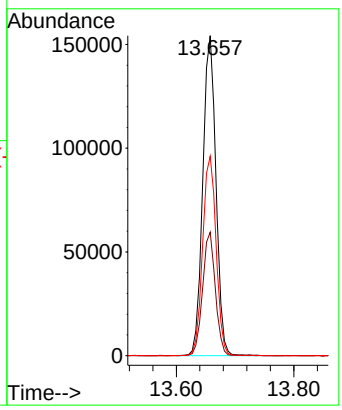




#91
1,2-Dichlorobenzene
Concen: 22.286 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:146 Resp: 24045

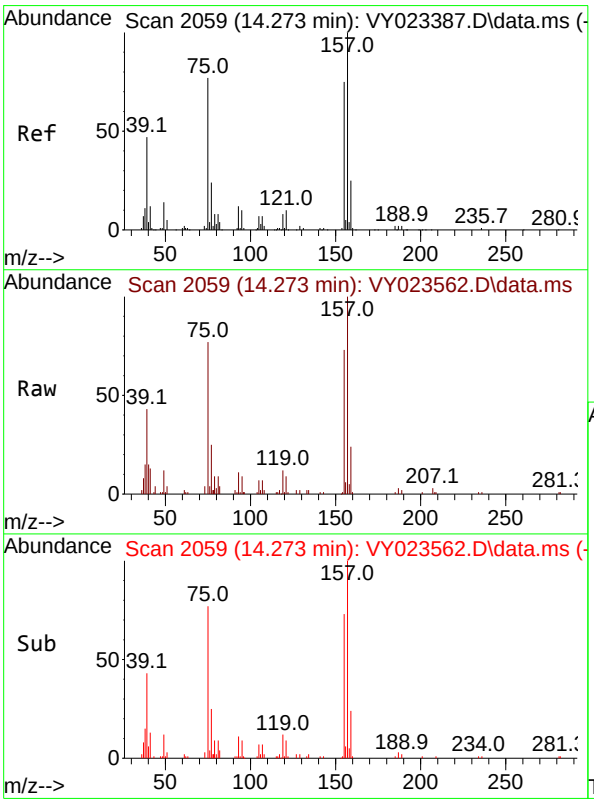
Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.0	57.0
148	63.8	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
APPROVED

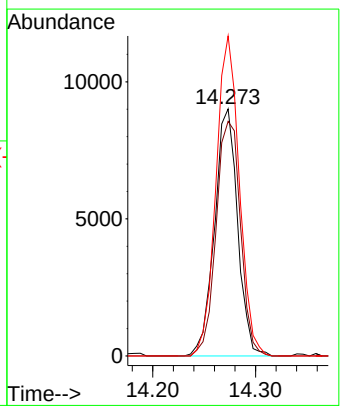
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

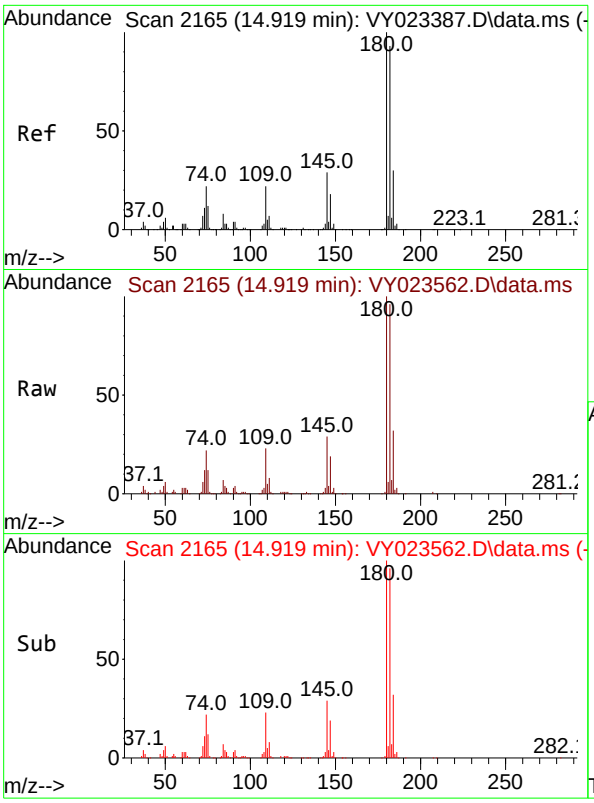


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.989 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion: 75 Resp: 14028

Ion	Ratio	Lower	Upper
75	100		
155	100.3	50.0	150.0
157	130.8	63.8	191.5

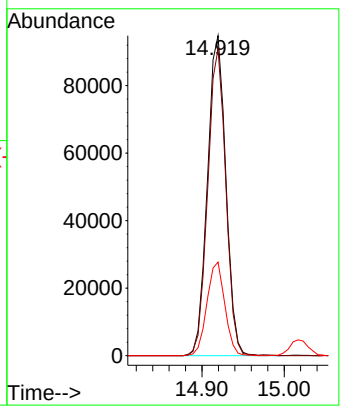




#93
1,2,4-Trichlorobenzene
Concen: 21.918 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:180 Resp: 14742

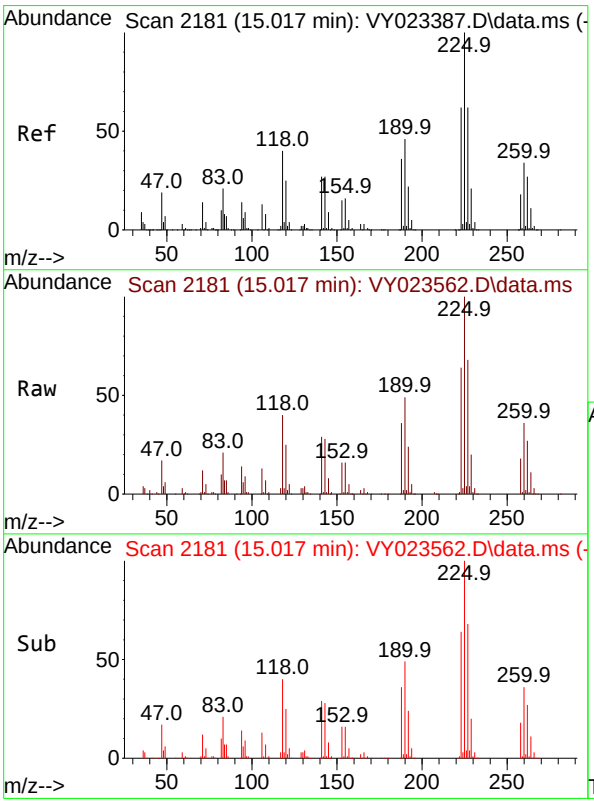
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.6
145	28.4	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
APPROVED

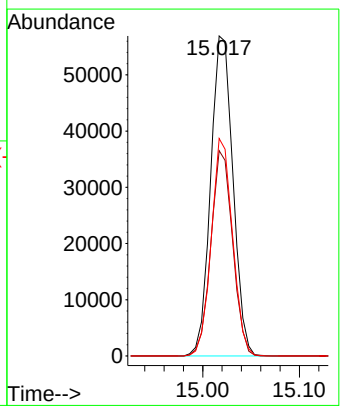
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

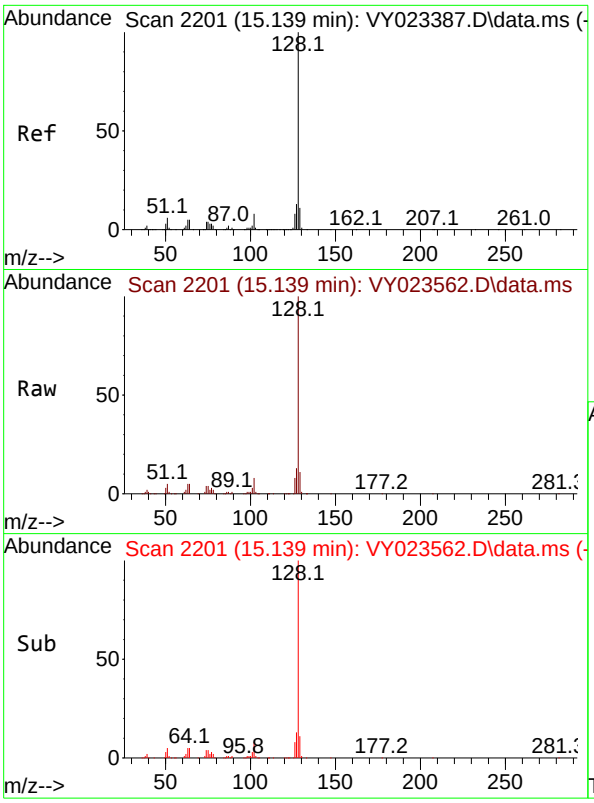


#94
Hexachlorobutadiene
Concen: 21.721 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:225 Resp: 91078

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.3
227	64.8	31.9	95.7

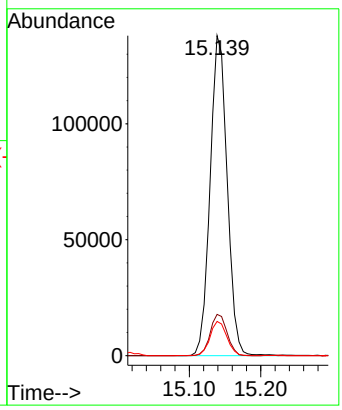




#95
Naphthalene
Concen: 21.355 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:128 Resp: 22873

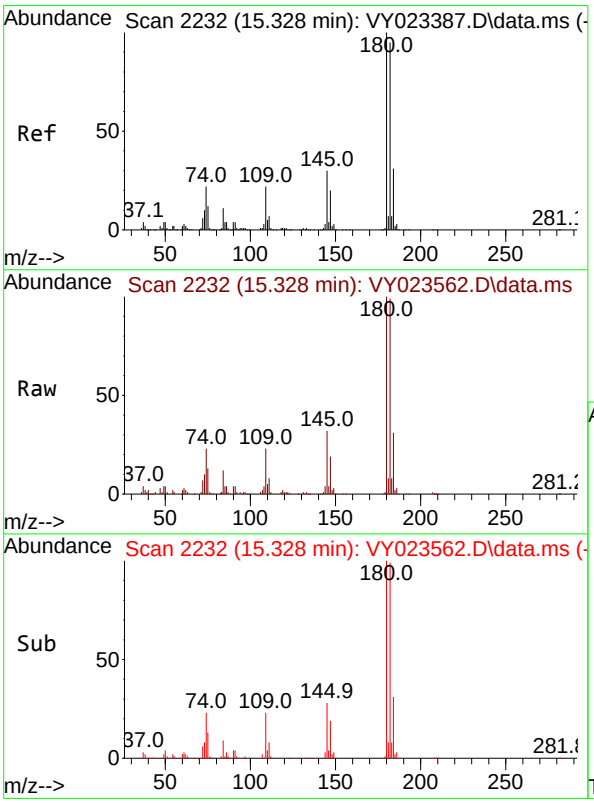
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.6	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations
APPROVED

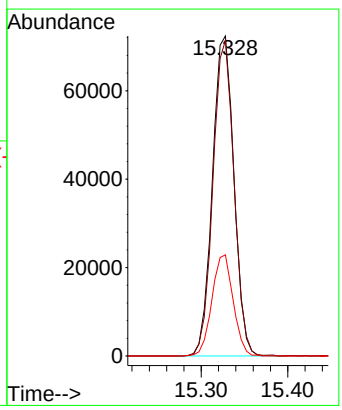
Reviewed By :Amit Patel 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025



#96
1,2,3-Trichlorobenzene
Concen: 21.407 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023562.D
Acq: 24 Oct 2025 10:14

Tgt Ion:180 Resp: 124725

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.8
145	31.2	15.3	45.9



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

Manual Integration Report

Sequence:	VV100725	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VV039282.D	1,1-Dichloropropene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	1,4-Dichlorobenzene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	1,4-Dioxane	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	2-Butanone	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	2-Hexanone	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	cis-1,2-Dichloroethene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Ethyl methacrylate	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Methacrylonitrile	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Methyl methacrylate	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	N-amyl acetate	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Naphthalene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Styrene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Tetrahydrofuran	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV100725	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VV039283.D	Ethyl Acetate	sam	10/10/2025 3:00:58 AM	MMdadoda	10/10/2025 4:38:20 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV110425	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VV039306.D	1,4-Dioxane	Amit	11/5/2025 7:55:44 AM	MMDadoda	11/5/2025 7:56:52 AM	Peak Integrated by Software
VSTDCCC050	VV039306.D	Dichlorodifluoromethane	Amit	11/5/2025 7:55:44 AM	MMDadoda	11/5/2025 7:56:52 AM	Peak Integrated by Software
VV1104WBS01	VV039309.D	1,4-Dioxane	Amit	11/5/2025 7:55:47 AM	MMDadoda	11/5/2025 7:56:55 AM	Peak Integrated by Software
Q3434-02	VV039311.D	2-Butanone	Amit	11/5/2025 7:55:51 AM	MMDadoda	11/5/2025 7:57:12 AM	Peak Integrated by Software
Q3434-02RE	VV039313.D	2-Butanone	Amit	11/5/2025 7:55:54 AM	MMDadoda	11/5/2025 7:57:17 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023384.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	Methacrylonitrile	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	Methacrylonitrile	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICCC050	VY023387.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:01 AM	MMdadoda	10/10/2025 4:37:41 AM	Peak Integrated by Software
VSTDICC100	VY023388.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:05 AM	MMdadoda	10/10/2025 4:37:46 AM	Peak Integrated by Software
VSTDICC150	VY023389.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:09 AM	MMdadoda	10/10/2025 4:37:51 AM	Peak Integrated by Software
VSTDICV050	VY023391.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:14 AM	MMdadoda	10/10/2025 4:37:55 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	Vy102425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023559.D	1,2,3-Trichloropropane	Amit	10/27/2025 9:01:50 AM	MMDadoda	10/27/2025 2:51:01 PM	Peak Integrated by Software
VY1024SBS01	VY023561.D	1,2,3-Trichloropropane	Amit	10/27/2025 9:01:57 AM	MMDadoda	10/27/2025 2:51:05 PM	Peak Integrated by Software
VY1024SBS01	VY023561.D	Methacrylonitrile	Amit	10/27/2025 9:01:57 AM	MMDadoda	10/27/2025 2:51:05 PM	Peak Integrated by Software
VY1024SBSD01	VY023562.D	1,2,3-Trichloropropane	Amit	10/27/2025 9:02:06 AM	MMDadoda	10/27/2025 2:51:08 PM	Peak Integrated by Software
VY1024SBSD01	VY023562.D	Methacrylonitrile	Amit	10/27/2025 9:02:06 AM	MMDadoda	10/27/2025 2:51:08 PM	Peak Integrated by Software
VSTDCCC050	VY023583.D	1,2,3-Trichloropropane	Amit	10/27/2025 9:02:32 AM	MMDadoda	10/27/2025 2:51:20 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:01:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:28 AM		
SubDirectory	VV100725	HP Acquire Method	8260_V	HP Processing Method	82V100725W.M

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	
CCC	
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039281.D	07 Oct 2025 08:25	SY/MD	Ok
2	VSTDICC001	VV039282.D	07 Oct 2025 09:40	SY/MD	Ok,M
3	VSTDICC005	VV039283.D	07 Oct 2025 10:03	SY/MD	Ok,M
4	VSTDICC010	VV039284.D	07 Oct 2025 10:25	SY/MD	Ok
5	VSTDICC020	VV039285.D	07 Oct 2025 10:47	SY/MD	Ok
6	VSTDICCC050	VV039286.D	07 Oct 2025 11:10	SY/MD	Ok
7	VSTDICC100	VV039287.D	07 Oct 2025 11:32	SY/MD	Ok
8	VIBLK	VV039288.D	07 Oct 2025 11:55	SY/MD	Ok
9	VSTDICV050	VV039289.D	07 Oct 2025 12:18	SY/MD	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM				
SubDirectory	VV110425	HP Acquire Method	MSVOA_V		HP Processing Method	82V100725W.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136040
Initial Calibration Stds	
CCC	VP136043,VP136044
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039305.D	04 Nov 2025 10:24	SY/MD	Ok
2	VSTDCCC050	VV039306.D	04 Nov 2025 11:21	SY/MD	Ok,M
3	VV1104MBL01	VV039307.D	04 Nov 2025 11:52	SY/MD	Ok
4	VV1104WBL01	VV039308.D	04 Nov 2025 12:21	SY/MD	Ok
5	VV1104WBS01	VV039309.D	04 Nov 2025 12:49	SY/MD	Ok,M
6	VV1104WBSD01	VV039310.D	04 Nov 2025 13:12	SY/MD	Ok
7	Q3434-02	VV039311.D	04 Nov 2025 13:49	SY/MD	ReRun
8	Q3434-03	VV039312.D	04 Nov 2025 14:12	SY/MD	Ok
9	Q3434-02RE	VV039313.D	04 Nov 2025 14:34	SY/MD	Confirms
10	Q3521-03	VV039314.D	04 Nov 2025 14:56	SY/MD	Ok
11	VIBLK	VV039315.D	04 Nov 2025 15:32	SY/MD	Ok
12	Q3534-09	VV039316.D	04 Nov 2025 15:54	SY/MD	Ok
13	Q3534-10	VV039317.D	04 Nov 2025 16:17	SY/MD	Ok
14	Q3534-05	VV039318.D	04 Nov 2025 16:39	SY/MD	Ok,M
15	Q3534-06	VV039319.D	04 Nov 2025 17:02	SY/MD	Ok,M
16	Q3534-07	VV039320.D	04 Nov 2025 17:24	SY/MD	Ok,M
17	Q3534-01	VV039321.D	04 Nov 2025 17:47	SY/MD	Ok
18	Q3534-02	VV039322.D	04 Nov 2025 18:09	SY/MD	Ok
19	Q3534-03	VV039323.D	04 Nov 2025 18:32	SY/MD	ReRun
20	Q3534-04	VV039324.D	04 Nov 2025 18:54	SY/MD	Ok
21	VIBLK	VV039325.D	04 Nov 2025 19:17	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM				
SubDirectory	VV110425	HP Acquire Method	MSVOA_V		HP Processing Method	82V100725W.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136040
Initial Calibration Stds	
CCC	VP136043,VP136044
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VV039326.D	04 Nov 2025 19:39	SY/MD	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:02 AM				
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023383.D	07 Oct 2025 08:43	SY/MD	Ok
2	VSTDICC005	VY023384.D	07 Oct 2025 09:17	SY/MD	Ok,M
3	VSTDICC010	VY023385.D	07 Oct 2025 10:02	SY/MD	Ok,M
4	VSTDICC020	VY023386.D	07 Oct 2025 11:24	SY/MD	Ok,M
5	VSTDICCC050	VY023387.D	07 Oct 2025 11:47	SY/MD	Ok,M
6	VSTDICC100	VY023388.D	07 Oct 2025 12:09	SY/MD	Ok,M
7	VSTDICC150	VY023389.D	07 Oct 2025 12:32	SY/MD	Ok,M
8	VIBLK	VY023390.D	07 Oct 2025 13:02	SY/MD	Ok
9	VSTDICV050	VY023391.D	07 Oct 2025 14:12	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102425

Review By	Amit Patel	Review On	10/27/2025 2:54:16 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 2:54:33 PM				
SubDirectory	VY102425	HP Acquire Method	MSVOA_Y		HP Processing Method	82y100725s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP135928
Initial Calibration Stds	
CCC	VP135929,VP135930
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023558.D	24 Oct 2025 07:47	SY/MD	Ok
2	VSTDCCC050	VY023559.D	24 Oct 2025 08:56	SY/MD	Ok,M
3	VY1024SBL01	VY023560.D	24 Oct 2025 09:24	SY/MD	Ok
4	VY1024SBS01	VY023561.D	24 Oct 2025 09:52	SY/MD	Ok,M
5	VY1024SBSD01	VY023562.D	24 Oct 2025 10:14	SY/MD	Ok,M
6	Q3431-01	VY023563.D	24 Oct 2025 10:58	SY/MD	Not Ok
7	Q3413-01	VY023564.D	24 Oct 2025 11:21	SY/MD	Ok
8	VIBLK	VY023565.D	24 Oct 2025 11:44	SY/MD	Ok
9	Q3431-01	VY023566.D	24 Oct 2025 12:30	SY/MD	Ok
10	Q3445-01	VY023567.D	24 Oct 2025 12:54	SY/MD	Ok
11	Q3439-03	VY023568.D	24 Oct 2025 13:17	SY/MD	Ok
12	Q3439-07	VY023569.D	24 Oct 2025 13:41	SY/MD	Ok
13	Q3440-03	VY023570.D	24 Oct 2025 14:04	SY/MD	Ok
14	Q3434-01	VY023571.D	24 Oct 2025 14:28	SY/MD	Ok
15	Q3449-02	VY023572.D	24 Oct 2025 14:51	SY/MD	Ok
16	Q3451-03	VY023573.D	24 Oct 2025 15:15	SY/MD	Ok
17	Q3451-07	VY023574.D	24 Oct 2025 15:38	SY/MD	Ok
18	Q3452-03	VY023575.D	24 Oct 2025 16:01	SY/MD	Ok
19	Q3460-03	VY023576.D	24 Oct 2025 16:25	SY/MD	Ok
20	Q3460-07	VY023577.D	24 Oct 2025 16:48	SY/MD	Ok
21	Q3460-11	VY023578.D	24 Oct 2025 17:12	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102425

Review By	Amit Patel	Review On	10/27/2025 2:54:16 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 2:54:33 PM				
SubDirectory	VY102425	HP Acquire Method	MSVOA_Y		HP Processing Method	82y100725s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP135928
Initial Calibration Stds	
CCC	VP135929,VP135930
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3460-15	VY023579.D	24 Oct 2025 17:35	SY/MD	Ok
23	Q3419-02MS	VY023580.D	24 Oct 2025 17:58	SY/MD	Ok,M
24	Q3419-03MSD	VY023581.D	24 Oct 2025 18:20	SY/MD	Ok,M
25	VIBLK	VY023582.D	24 Oct 2025 18:44	SY/MD	Ok
26	VSTDCCC050	VY023583.D	24 Oct 2025 19:06	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:01:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:28 AM		
SubDirectory	VV100725	HP Acquire Method	8260_V	HP Processing Method	82V100725W.M

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	
CCC	
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	VV039281.D	07 Oct 2025 08:25		SY/MD	Ok
2	VSTDICC001	VSTDICC001	VV039282.D	07 Oct 2025 09:40		SY/MD	Ok,M
3	VSTDICC005	VSTDICC005	VV039283.D	07 Oct 2025 10:03		SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VV039284.D	07 Oct 2025 10:25		SY/MD	Ok
5	VSTDICC020	VSTDICC020	VV039285.D	07 Oct 2025 10:47	Comp. #06,13,16,20,41,58 on Linear Regression	SY/MD	Ok
6	VSTDICCC050	VSTDICCC050	VV039286.D	07 Oct 2025 11:10		SY/MD	Ok
7	VSTDICC100	VSTDICC100	VV039287.D	07 Oct 2025 11:32		SY/MD	Ok
8	VIBLK	VIBLK	VV039288.D	07 Oct 2025 11:55		SY/MD	Ok
9	VSTDICV050	ICVVV100725	VV039289.D	07 Oct 2025 12:18		SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM		
SubDirectory	VV110425	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.m

STD. NAME	STD REF.#
Tune/Reschk	VP136040
Initial Calibration Stds	
CCC	VP136043,VP136044
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV039305.D	04 Nov 2025 10:24		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VV039306.D	04 Nov 2025 11:21	Comp. #02 failed low	SY/MD	Ok,M
3	VV1104MBL01	VV1104MBL01	VV039307.D	04 Nov 2025 11:52		SY/MD	Ok
4	VV1104WBL01	VV1104WBL01	VV039308.D	04 Nov 2025 12:21		SY/MD	Ok
5	VV1104WBS01	VV1104WBS01	VV039309.D	04 Nov 2025 12:49		SY/MD	Ok,M
6	VV1104WBSD01	VV1104WBSD01	VV039310.D	04 Nov 2025 13:12		SY/MD	Ok
7	Q3434-02	PR132-WC2-20251022	VV039311.D	04 Nov 2025 13:49	pH<2A, Surrogate Fail	SY/MD	ReRun
8	Q3434-03	TB	VV039312.D	04 Nov 2025 14:12	pH<2A,TB	SY/MD	Ok
9	Q3434-02RE	PR132-WC2-20251022	VV039313.D	04 Nov 2025 14:34	pH<2B, Surrogate Fail	SY/MD	Confirms
10	Q3521-03	TANK-2025	VV039314.D	04 Nov 2025 14:56		SY/MD	Ok
11	VIBLK	VIBLK	VV039315.D	04 Nov 2025 15:32		SY/MD	Ok
12	Q3534-09	FB-1	VV039316.D	04 Nov 2025 15:54	pH<2A ,FB	SY/MD	Ok
13	Q3534-10	EB-1	VV039317.D	04 Nov 2025 16:17	pH<2A ,EB	SY/MD	Ok
14	Q3534-05	MW-EB-1	VV039318.D	04 Nov 2025 16:39	pH<2A	SY/MD	Ok,M
15	Q3534-06	MW-EB-2	VV039319.D	04 Nov 2025 17:02	pH<2A	SY/MD	Ok,M
16	Q3534-07	MW-EB-3	VV039320.D	04 Nov 2025 17:24	pH<2A	SY/MD	Ok,M
17	Q3534-01	MW-6	VV039321.D	04 Nov 2025 17:47	pH<2A	SY/MD	Ok
18	Q3534-02	MW-1	VV039322.D	04 Nov 2025 18:09	pH<2A	SY/MD	Ok

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM		
SubDirectory	VV110425	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.m

STD. NAME	STD REF.#
Tune/Reschk	VP136040
Initial Calibration Stds	
CCC	VP136043,VP136044
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3534-03	MW-11	VV039323.D	04 Nov 2025 18:32	pH<2A ,Surrogate Fail	SY/MD	ReRun
20	Q3534-04	MW-5	VV039324.D	04 Nov 2025 18:54	pH<2A	SY/MD	Ok
21	VIBLK	VIBLK	VV039325.D	04 Nov 2025 19:17		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VV039326.D	04 Nov 2025 19:39		SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:02 AM		
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023383.D	07 Oct 2025 08:43		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023384.D	07 Oct 2025 09:17		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023385.D	07 Oct 2025 10:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023386.D	07 Oct 2025 11:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023387.D	07 Oct 2025 11:47		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023388.D	07 Oct 2025 12:09		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023389.D	07 Oct 2025 12:32		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023390.D	07 Oct 2025 13:02		SY/MD	Ok
9	VSTDICV050	ICVVY100725	VY023391.D	07 Oct 2025 14:12		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102425

Review By	Amit Patel	Review On	10/27/2025 2:54:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 2:54:33 PM		
SubDirectory	VY102425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135928
Initial Calibration Stds	
CCC	VP135929,VP135930
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023558.D	24 Oct 2025 07:47		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023559.D	24 Oct 2025 08:56		SY/MD	Ok,M
3	VY1024SBL01	VY1024SBL01	VY023560.D	24 Oct 2025 09:24		SY/MD	Ok
4	VY1024SBS01	VY1024SBS01	VY023561.D	24 Oct 2025 09:52		SY/MD	Ok,M
5	VY1024SBSD01	VY1024SBSD01	VY023562.D	24 Oct 2025 10:14		SY/MD	Ok,M
6	Q3431-01	EO-02-10222025	VY023563.D	24 Oct 2025 10:58	vial-A	SY/MD	Not Ok
7	Q3413-01	BP-VPB-184-GW-980-9	VY023564.D	24 Oct 2025 11:21	vial-B	SY/MD	Ok
8	VIBLK	VIBLK	VY023565.D	24 Oct 2025 11:44		SY/MD	Ok
9	Q3431-01	EO-02-10222025	VY023566.D	24 Oct 2025 12:30	vial-B	SY/MD	Ok
10	Q3445-01	EO-01-102325	VY023567.D	24 Oct 2025 12:54	vial-A	SY/MD	Ok
11	Q3439-03	TP-9-VOC	VY023568.D	24 Oct 2025 13:17	vial-A	SY/MD	Ok
12	Q3439-07	TP-10-VOC	VY023569.D	24 Oct 2025 13:41	vial-A	SY/MD	Ok
13	Q3440-03	JB-2-VOC	VY023570.D	24 Oct 2025 14:04	vial-A	SY/MD	Ok
14	Q3434-01	PR132-WC1-20251022	VY023571.D	24 Oct 2025 14:28	vial-A	SY/MD	Ok
15	Q3449-02	CF-620-VOC-41	VY023572.D	24 Oct 2025 14:51	vial-A	SY/MD	Ok
16	Q3451-03	TP-11-VOC	VY023573.D	24 Oct 2025 15:15	vial-A	SY/MD	Ok
17	Q3451-07	TP-12-VOC	VY023574.D	24 Oct 2025 15:38	vial-A	SY/MD	Ok
18	Q3452-03	JB-1-VOC	VY023575.D	24 Oct 2025 16:01	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102425

Review By	Amit Patel	Review On	10/27/2025 2:54:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 2:54:33 PM		
SubDirectory	VY102425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135928
Initial Calibration Stds	
CCC	VP135929,VP135930
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3460-03	WC-1-VOC	VY023576.D	24 Oct 2025 16:25	vial-A	SY/MD	Ok
20	Q3460-07	WC-2-VOC	VY023577.D	24 Oct 2025 16:48	vial-A	SY/MD	Ok
21	Q3460-11	WC-3-VOC	VY023578.D	24 Oct 2025 17:12	vial-A	SY/MD	Ok
22	Q3460-15	WC-4-VOC	VY023579.D	24 Oct 2025 17:35	vial-A	SY/MD	Ok
23	Q3419-02MS	PR-132-S16-015094-20	VY023580.D	24 Oct 2025 17:58	vial-A	SY/MD	Ok,M
24	Q3419-03MSD	PR-132-S16-015094-20	VY023581.D	24 Oct 2025 18:20	vial-A	SY/MD	Ok,M
25	VIBLK	VIBLK	VY023582.D	24 Oct 2025 18:44		SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY023583.D	24 Oct 2025 19:06		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/23/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137614

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3419-01	PR-132-S16-015094-20251021	1	1.15	11.01	12.16	7.14	54.4	
Q3419-02	Q3419-01MS	2	1.15	11.01	12.16	7.14	54.4	
Q3419-03	Q3419-01MSD	3	1.15	11.01	12.16	7.14	54.4	
Q3419-04	PR-132-S16-119133-20251021	4	1.16	10.07	11.23	6.37	51.7	
Q3419-05	PR-132-S16-094119-20251021	5	1.19	11.07	12.26	6.38	46.9	
Q3422-01	PR132-S15-000008-20251017	6	1.18	11.02	12.2	7.58	58.1	
Q3424-01	PR132-DP3-20251021	7	1.15	10.36	11.51	5.91	45.9	
Q3424-02	PR132-S11-010080-20251021	8	1.12	10.72	11.84	6.49	50.1	
Q3424-03	PR132-S14-00094-20251021	9	1.14	11.34	12.48	6.82	50.1	
Q3427-01	TP-8	10	1.11	10.77	11.88	10.84	90.3	
Q3427-02	TP-8-EPH	11	1.18	10.97	12.15	10.98	89.3	
Q3427-03	TP-8-VOC	12	1.19	10.26	11.45	10.52	90.9	
Q3429-01	40309	13	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3429-02	40310	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3430-01	BUR-25-0095	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3431-01	EO-02-10222025	16	1.11	10.55	11.66	10.64	90.3	
Q3431-02	EO-02-10222025-E2	17	1.17	10.59	11.76	10.59	89.0	
Q3434-01	PR132-WC1-20251022	18	1.13	10.43	11.56	7.17	57.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 137614

WorkList Name : %1-102225 **WorkList ID :** 192597 **Department :** Wet-Chemistry **Date :** 10-22-2025 09:03:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3419-01	PR-132-S16-015094-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-02	Q3419-01MS	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-03	Q3419-01MSD	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-04	PR-132-S16-119133-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-05	PR-132-S16-094119-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3422-01	PR132-S15-000008-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3424-01	PR132-DP3-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3424-02	PR132-S11-010080-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3424-03	PR132-S14-00094-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3427-01	TP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3427-02	TP-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3427-03	TP-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3429-01	40309	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3429-02	40310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3430-01	BUR-25-0095	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3431-01	EO-02-10222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/22/2025	Chemtech -SO
Q3431-02	EO-02-10222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/22/2025	Chemtech -SO
Q3434-01	PR132-WC1-20251022	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/22/2025	Chemtech -SO

Date/Time 10/22/25 15:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Date/Time 10/22/25 17:25
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

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

Prep Standard - Chemical Standard Summary

Order ID : Q3434

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VV110425,Vy102425,

Standard ID :
VP133934,VP133935,VP133953,VP134142,VP134147,VP134149,VP134150,VP134933,VP134934,VP134957,VP135552,VP135553,VP135834,VP135835,VP135928,VP135929,VP135930,VP136027,VP136040,VP136043,VP136044,

Chemical ID :
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14511,V14512,V14531,V14532,V14533,V14534,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14697,V14698,V14701,V14727,V14728,V14735,V14738,V14803,V14813,V14815,V14816,V14844,V14906,V14921,V14928,V14929,V14931,V14951,V14952,V14955,V14956,V15073,V15074,V15075,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP133935	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14921 = 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	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP134147	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14673 + 19.00000ml 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
1811	8260 Working Std(2-CVE)-500ppm	VP134150	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP134934	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

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

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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
244	8260 Calibration Working STD Mix-First source, 100PPM	VP135553	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2025

FROM 5.62500ml of V14928 + 9.37500ml of VP135552 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135834	10/17/2025	11/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/17/2025

FROM 1.00000ml of V15073 + 1.50000ml of V15074 + 1.50000ml of V15075 + 21.00000ml of V14928 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP135835	10/17/2025	11/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/17/2025

FROM 7.50000ml of V14928 + 12.50000ml of VP135834 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP135928	10/24/2025	10/25/2025	Amit Patel	None	None	Mahesh Dadoda 10/29/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP135929	10/24/2025	10/25/2025	Amit Patel	None	None	Mahesh Dadoda 10/29/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135553 + 0.00250ml of VP135835 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP135930	10/24/2025	10/25/2025	Amit Patel	None	None	Mahesh Dadoda 10/29/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135553 + 0.00250ml of VP135835 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP136027	11/04/2025	12/15/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/04/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14511 + 1.00000ml of V14512 + 1.00000ml of V14533 + 1.00000ml of V14534 + 1.00000ml of V14701 + 1.00000ml of V14735 + 1.00000ml of V14738 + 1.00000ml of V14813 + 1.00000ml of V14816 + 1.00000ml of V14955 + 1.00000ml of V14956 + 1.50000ml of V14697 + 1.50000ml of V14698 + 10.60000ml of V14931 = 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
589	BFB TUNE CHECK	VP136040	11/04/2025	11/05/2025	Mahesh Dadoda	None	None	Amit Patel 11/05/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = 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	VP136043	11/04/2025	11/05/2025	Mahesh Dadoda	None	None	Amit Patel 11/05/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP133935 + 0.01250ml of VP134149 + 0.01250ml of VP135834 + 0.01250ml of VP136027 = 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	VP136044	11/04/2025	11/05/2025	Mahesh Dadoda	None	None	Amit Patel 11/05/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP133935 + 0.01250ml of VP134149 + 0.01250ml of VP135834 + 0.01250ml of VP136027 = 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.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	04/30/2026	10/31/2025 / sam	09/17/2024 / SAM	V14511

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	04/30/2026	10/31/2025 / sam	09/17/2024 / SAM	V14512

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 #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	04/30/2026	10/31/2025 / sam	09/18/2024 / SAM	V14533

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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.	95319 / Revised Additions Mix (Min = 5)	091724	04/30/2026	10/31/2025 / sam	09/18/2024 / SAM	V14534

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

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

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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	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

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	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14697

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14701

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	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14735

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	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14738

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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	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	04/30/2026	10/31/2025 / sam	01/08/2025 / SAM	V14813

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	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	04/30/2026	10/31/2025 / sam	01/08/2025 / SAM	V14816

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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

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 #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	04/27/2026	10/27/2025 / sam	05/09/2025 / SAM	V14931

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	04/30/2026	10/31/2025 / sam	05/19/2025 / SAM	V14955

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	04/30/2026	10/31/2025 / sam	05/19/2025 / SAM	V14956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15075

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
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avantor™ | J.T.Baker®

Material No.: 9077-02
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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

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(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)	MKCR6561	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)	MKBW6137V	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 149.8mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

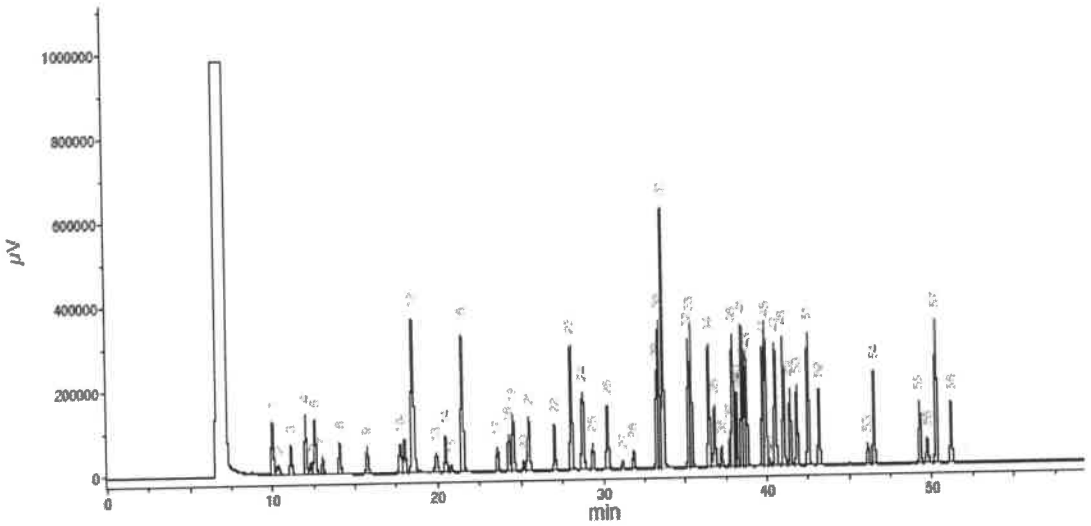
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.02
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

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

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(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)	MKCR6561	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)	MKBW6137V	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 149.8mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

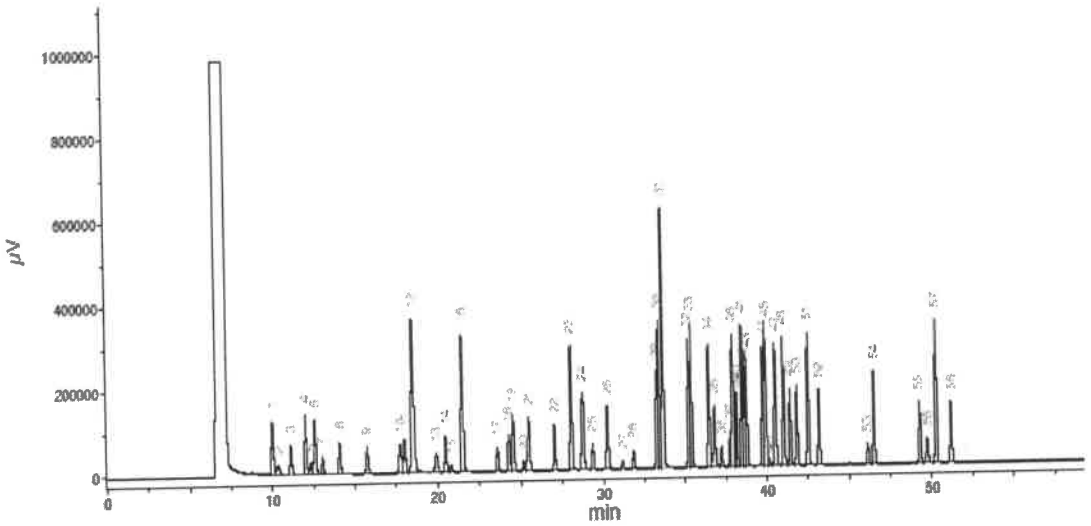
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.02
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

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

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(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)	MKCR6561	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)	MKBW6137V	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 149.8mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

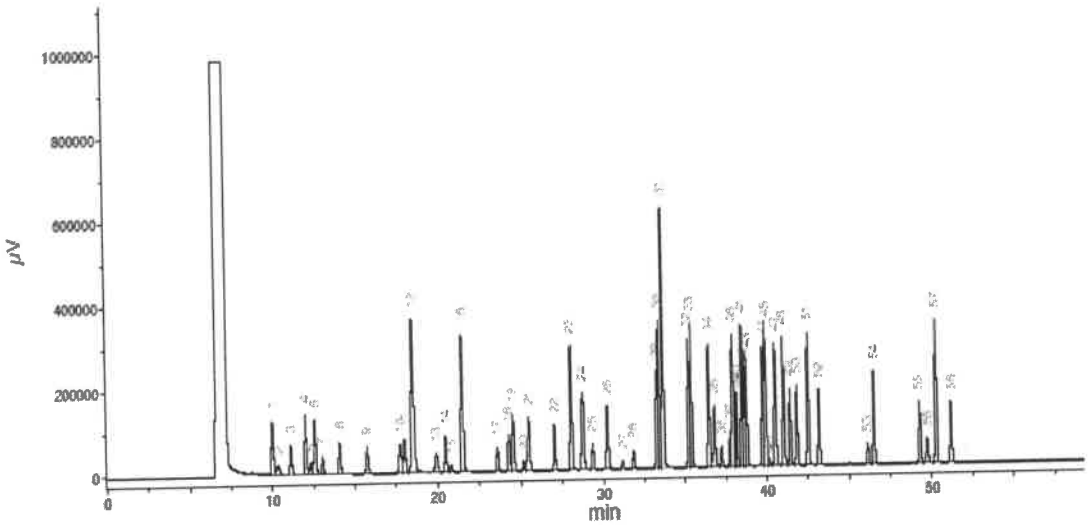
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.02
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

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

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(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)	MKCR6561	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)	MKBW6137V	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 149.8mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

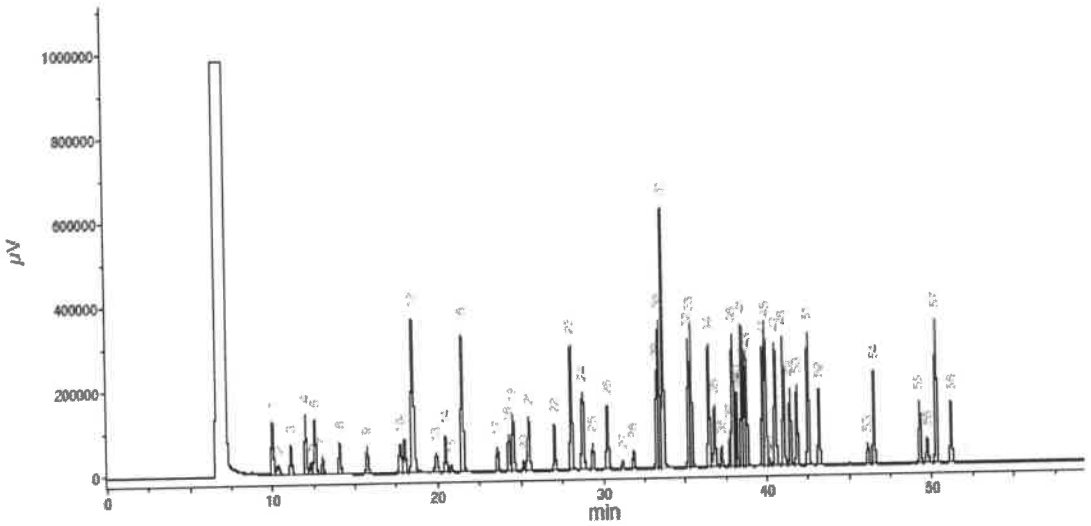
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.02
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

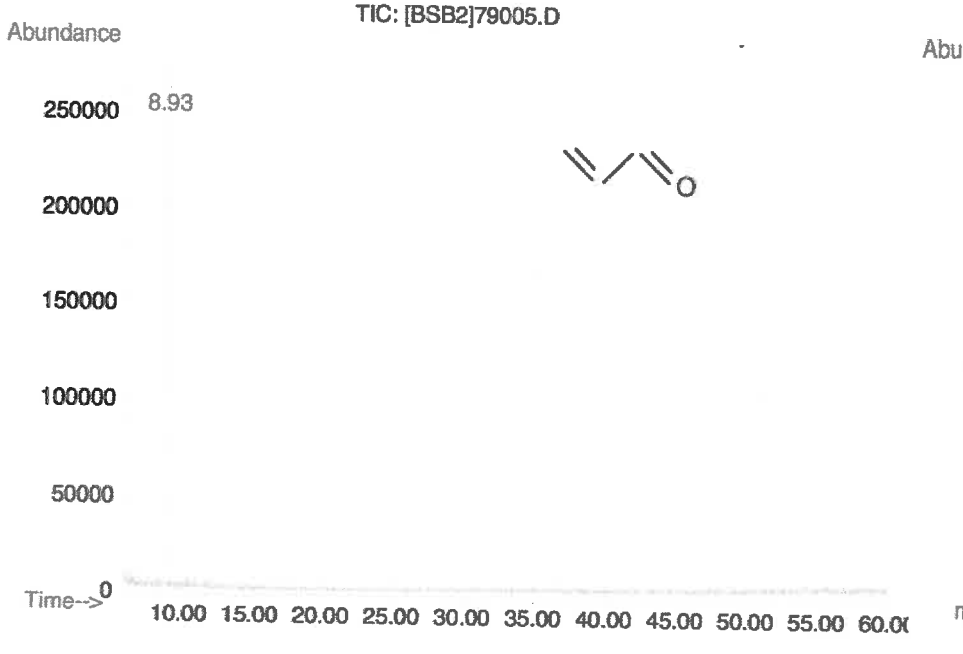
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

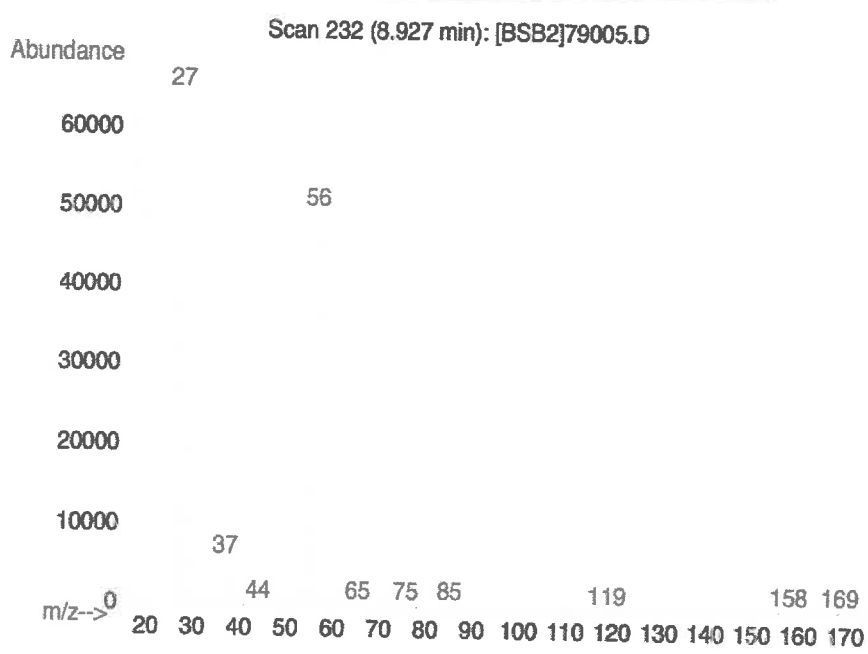
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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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- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

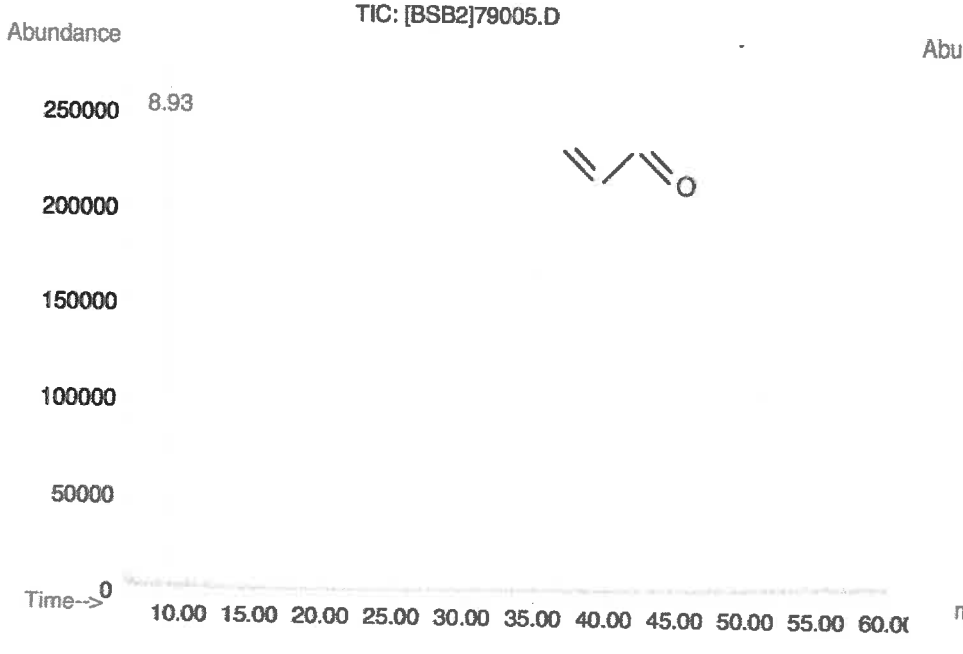
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

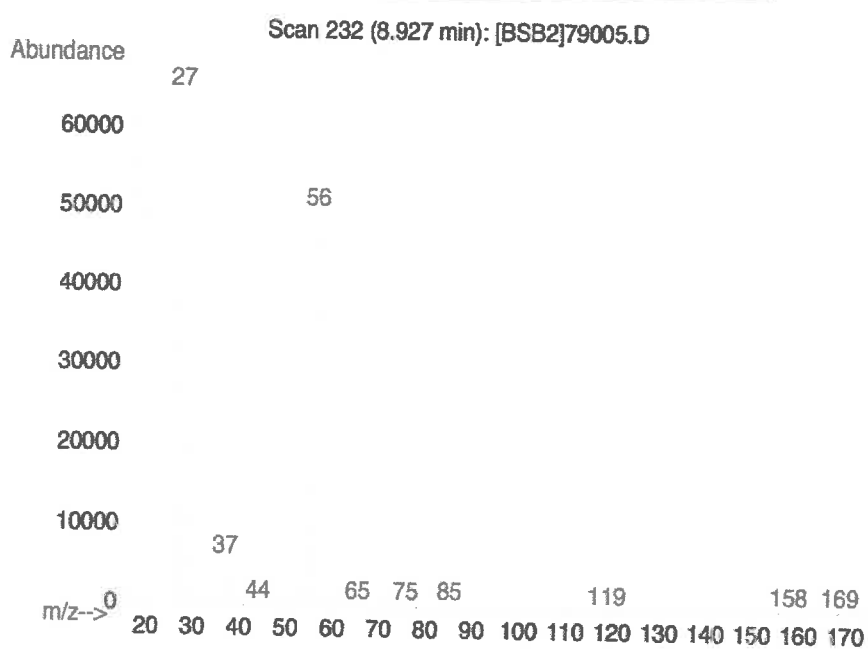
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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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- 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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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

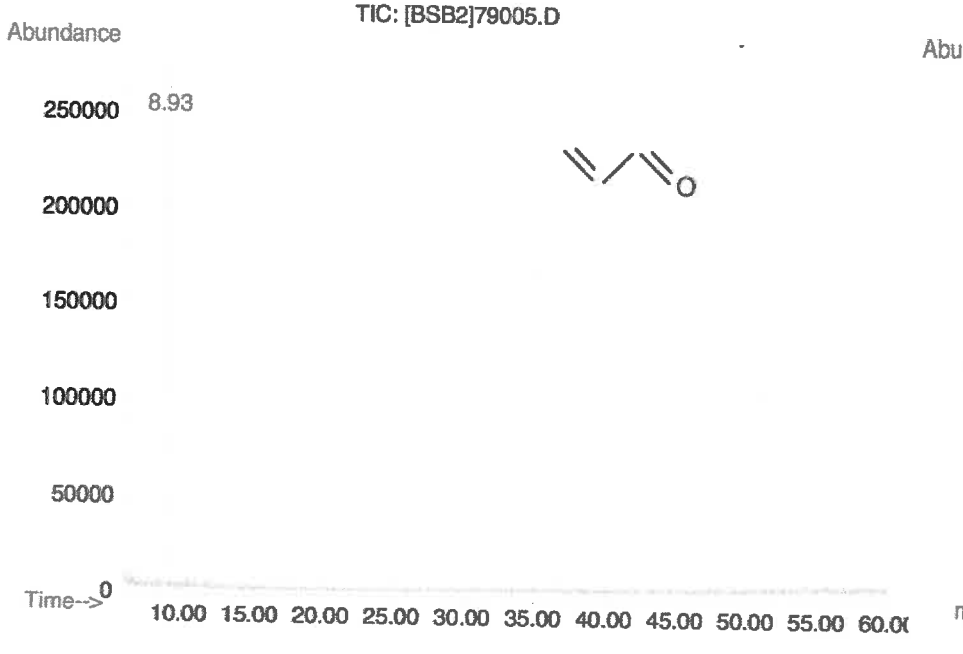
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

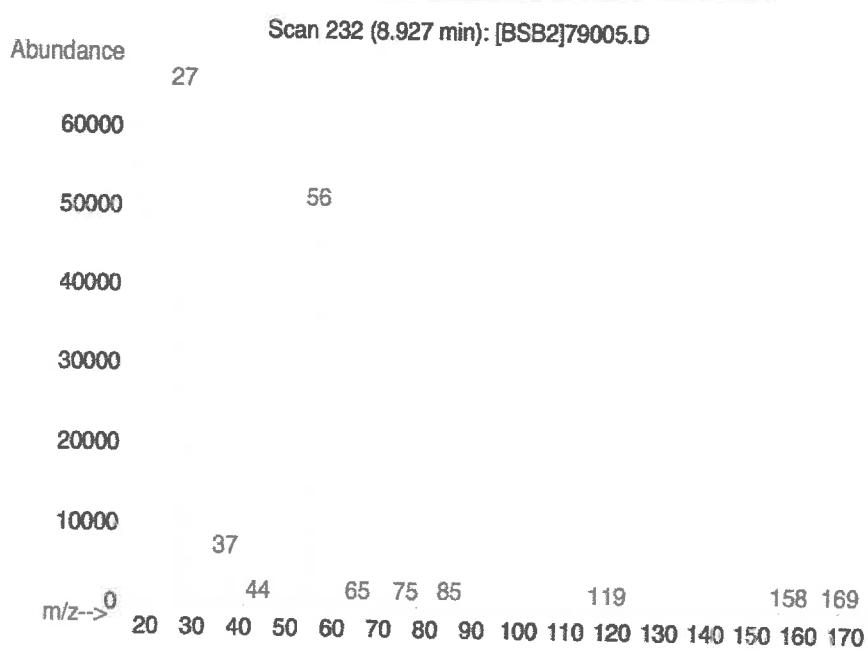
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

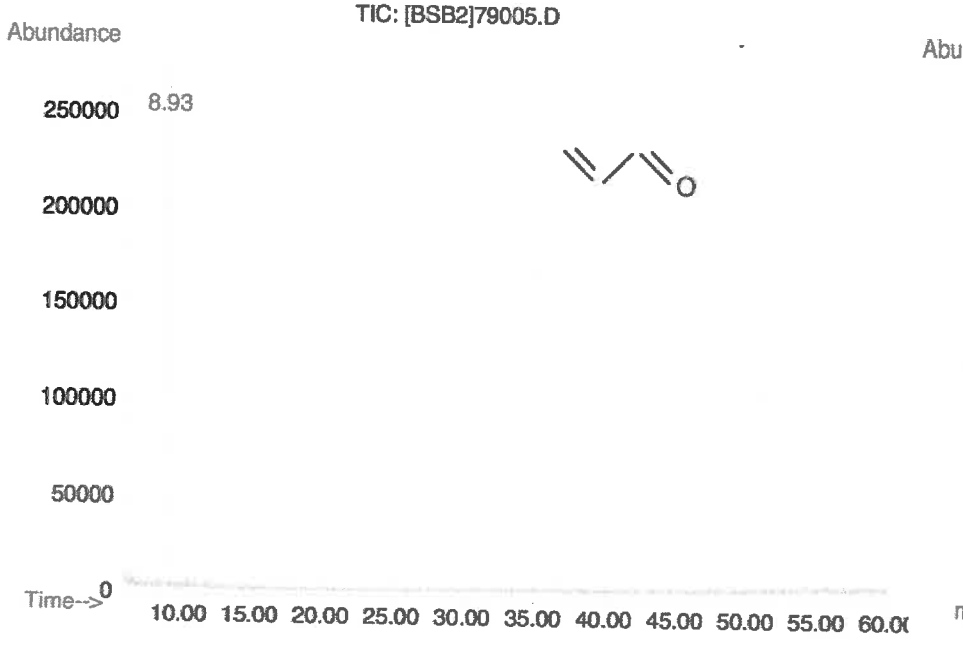
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

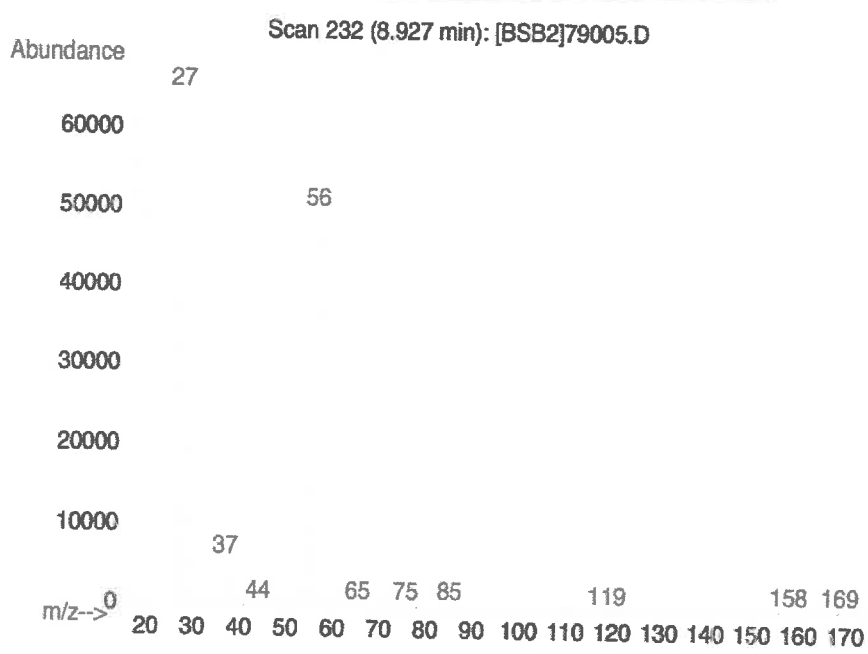
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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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800-368-1131
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Certified Reference Material CRM

Rec 12/6/24
20 vial

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

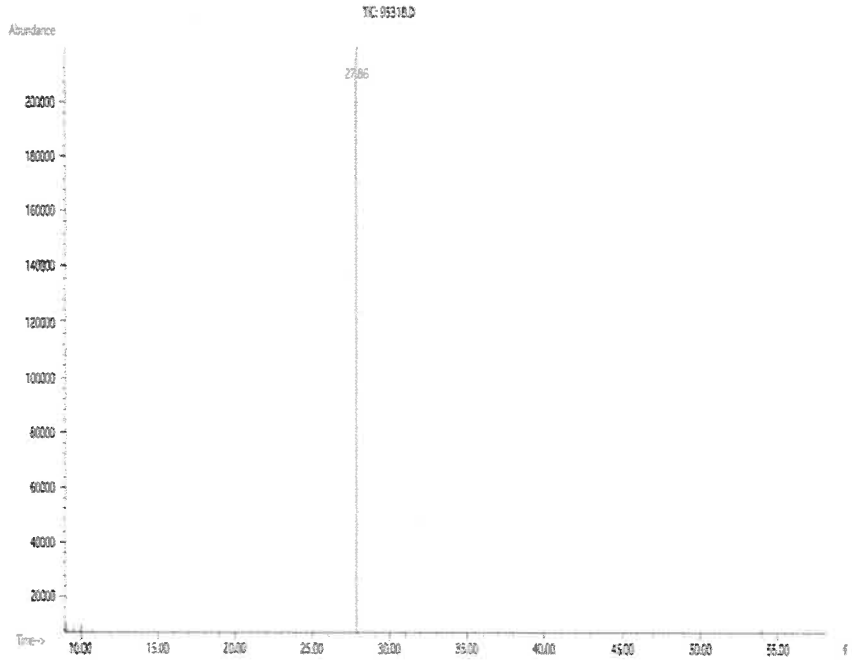
V14630 to V14649

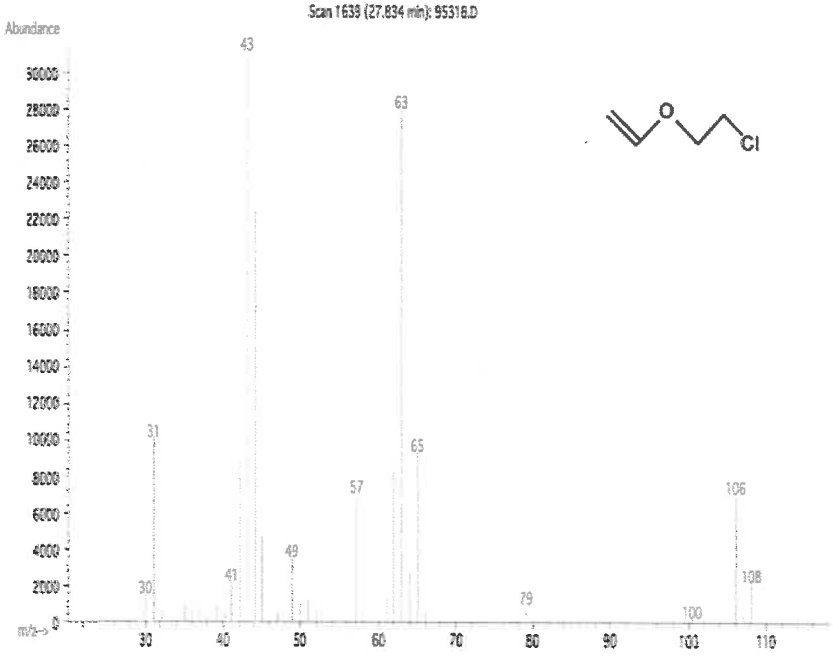
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

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

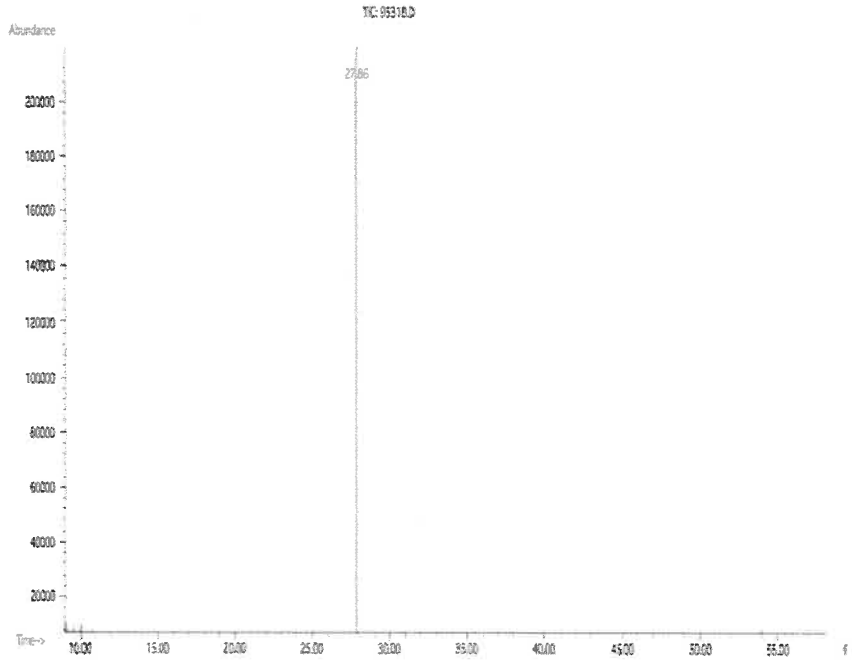
V14630 to V14649

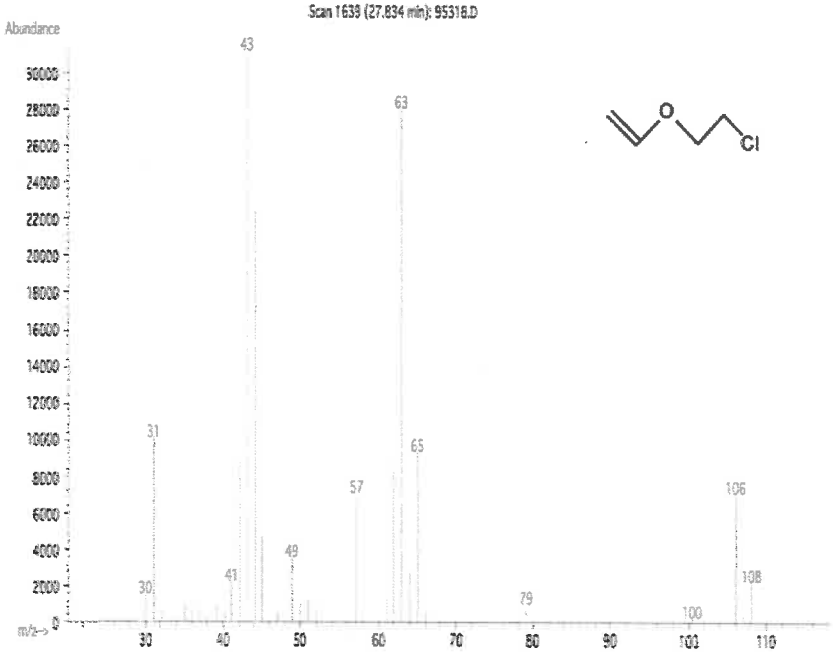
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 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

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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**
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P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

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General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

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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.
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Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
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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.

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Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

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LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
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Toxic if inhaled. Causes respiratory tract irritation.
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LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

Rec 12/6/24
20 vial

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

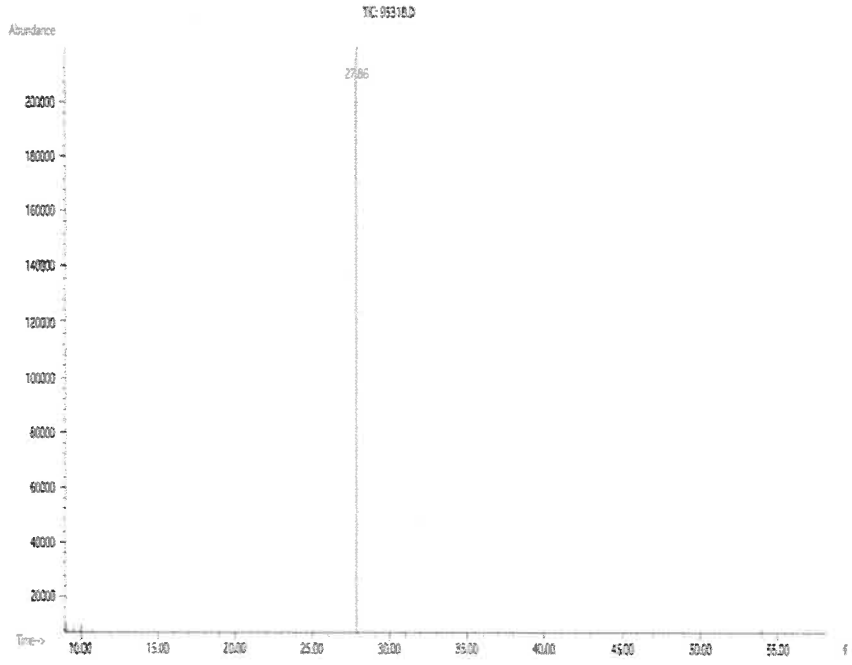
V14630 to V14649

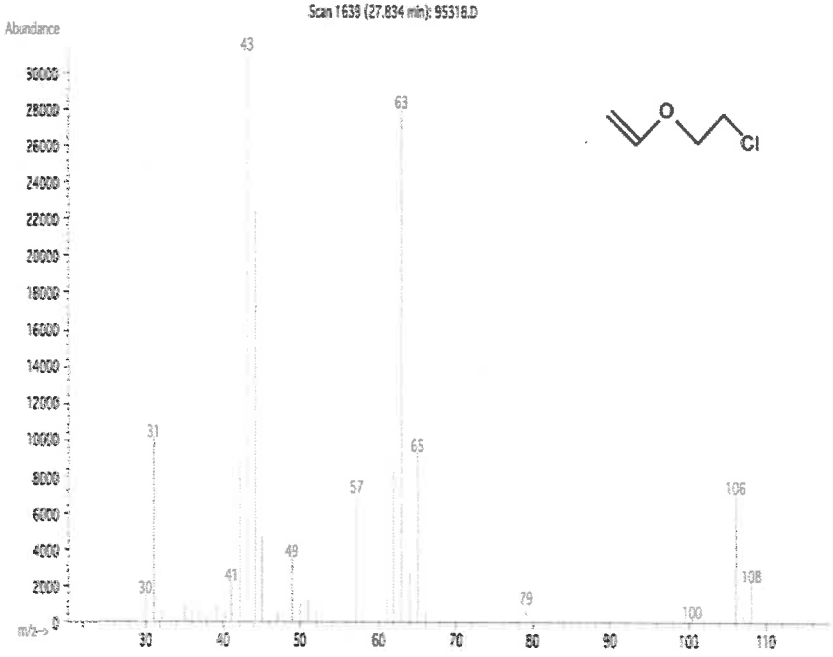
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

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

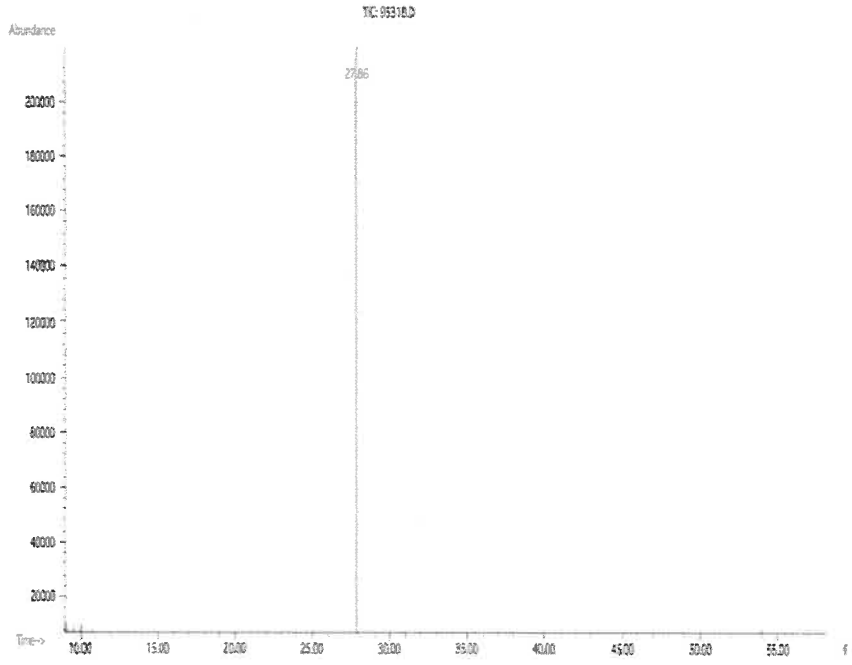
V14630 to V14649

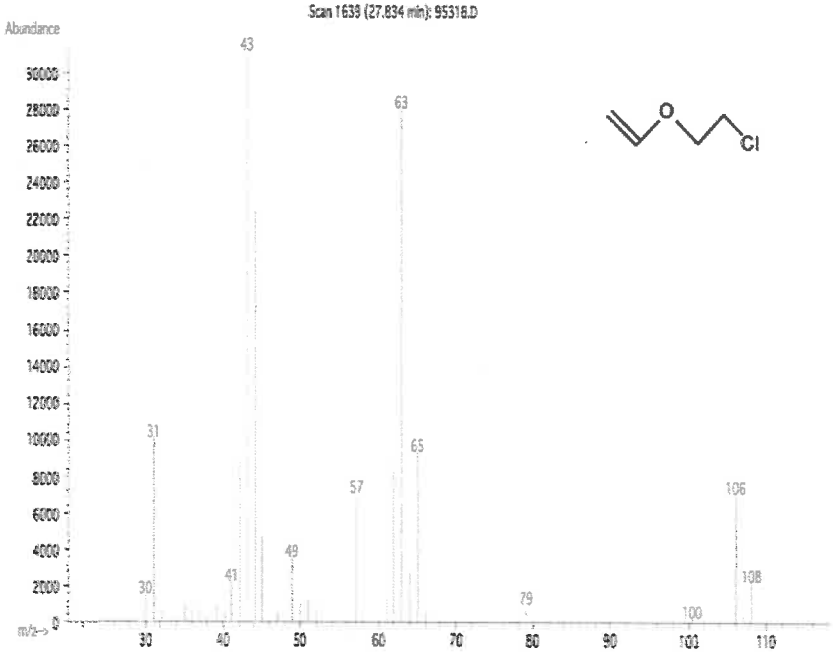
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 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

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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

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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.

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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
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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.

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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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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

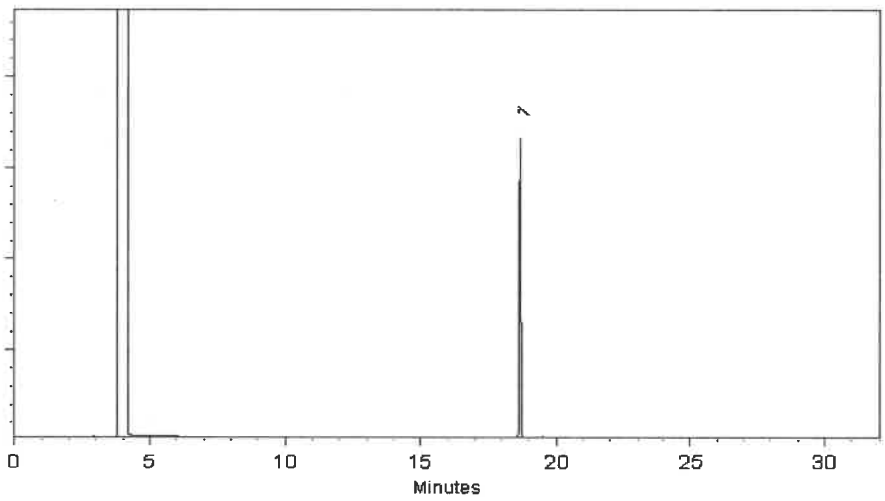
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

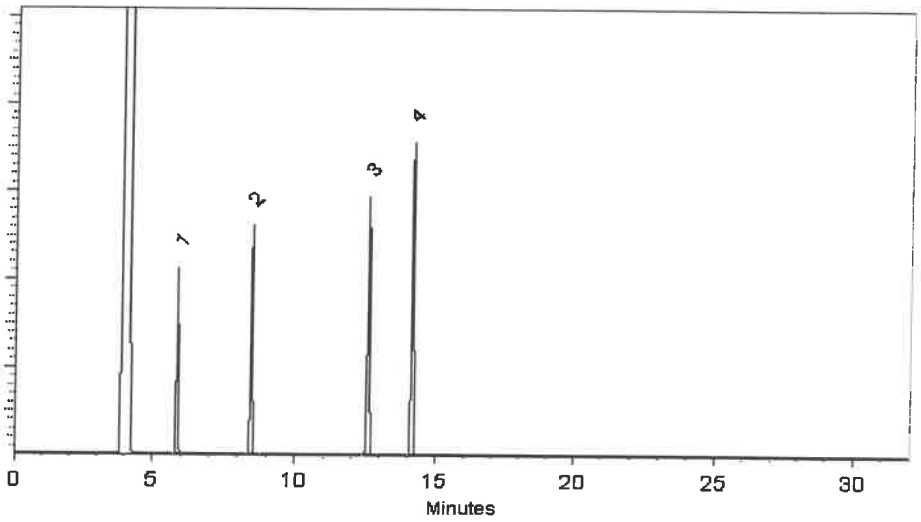
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

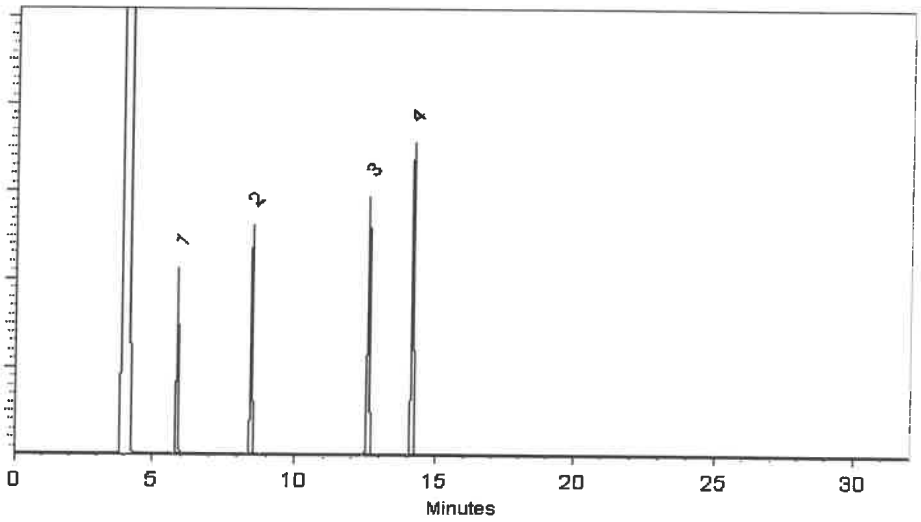
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

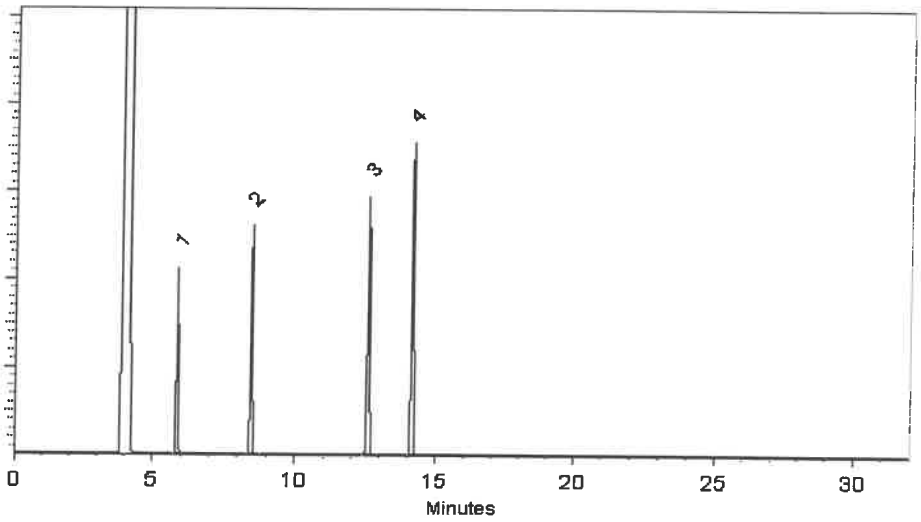
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

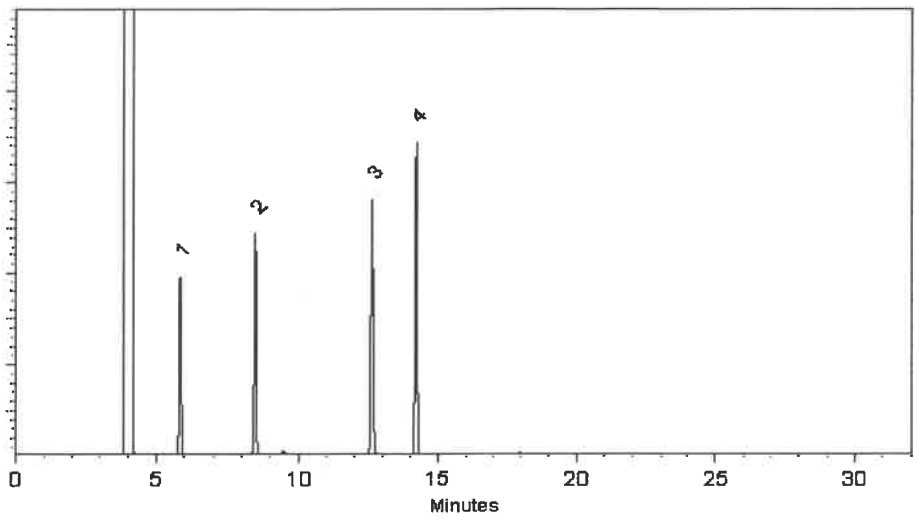
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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:

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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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

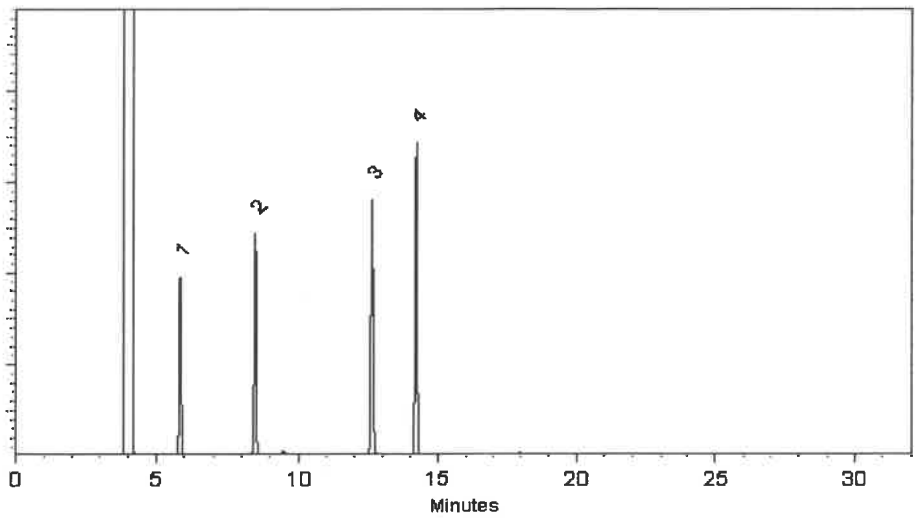
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

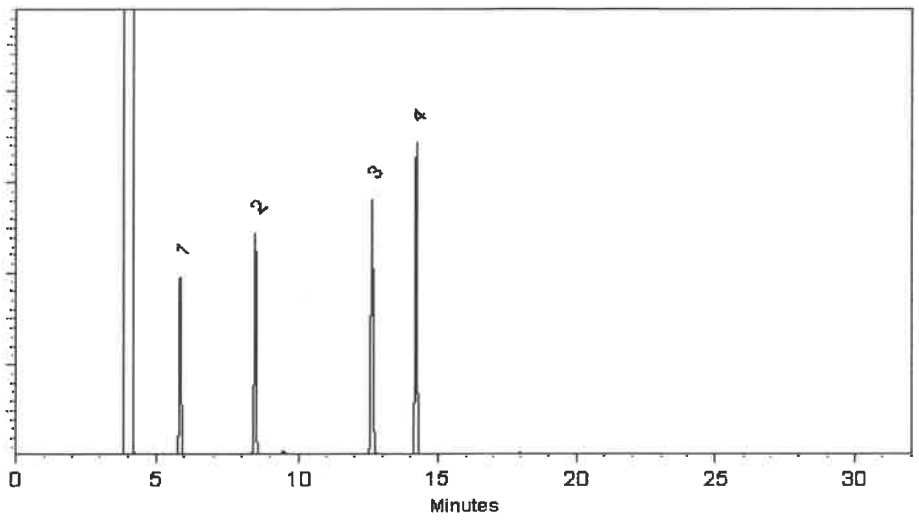
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

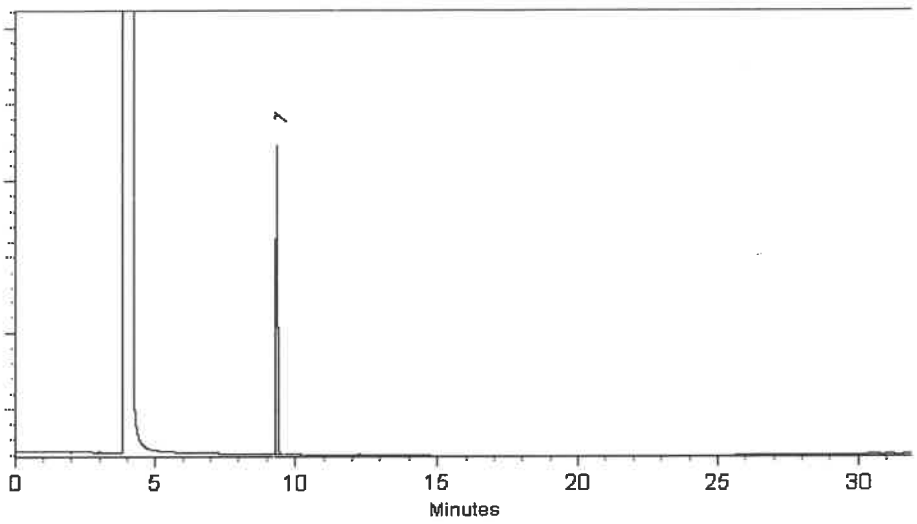
Inj. Temp:
200°C

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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CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

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Reference Material Producer
Certificate #3222.01

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

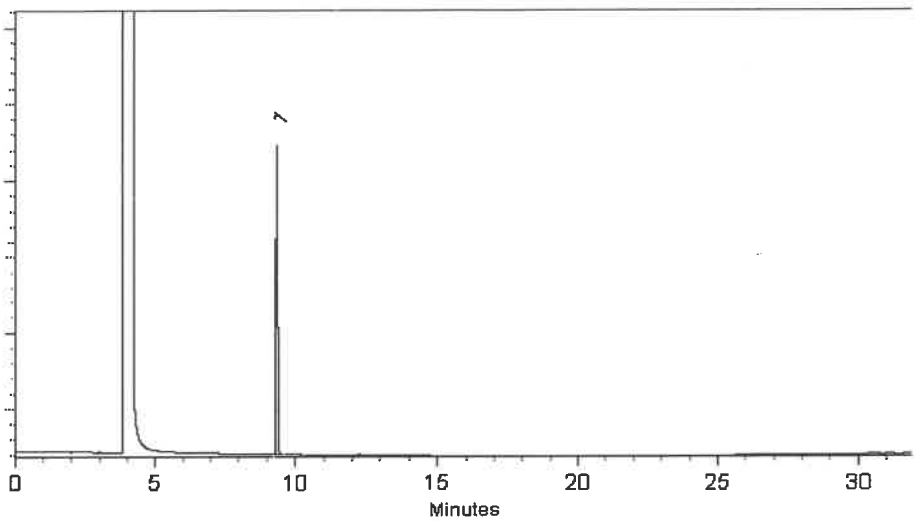
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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:

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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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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.)

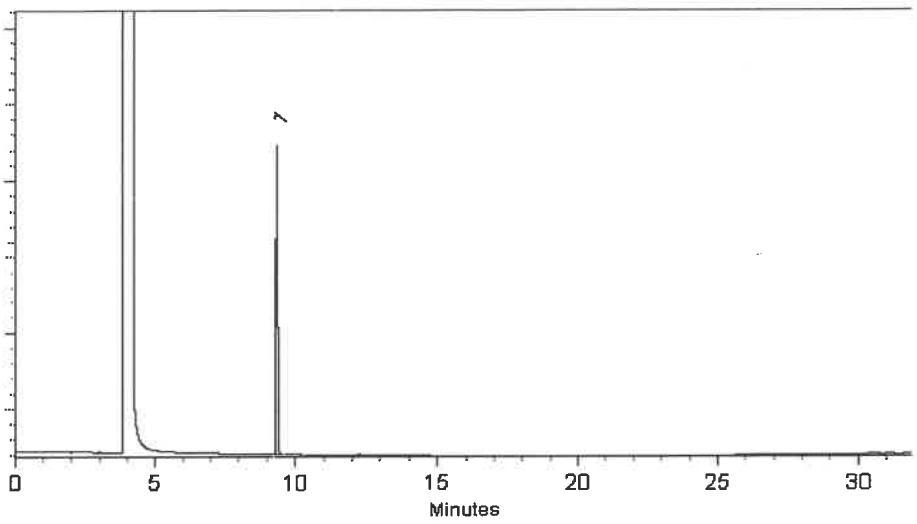
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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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- 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:

- 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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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.)

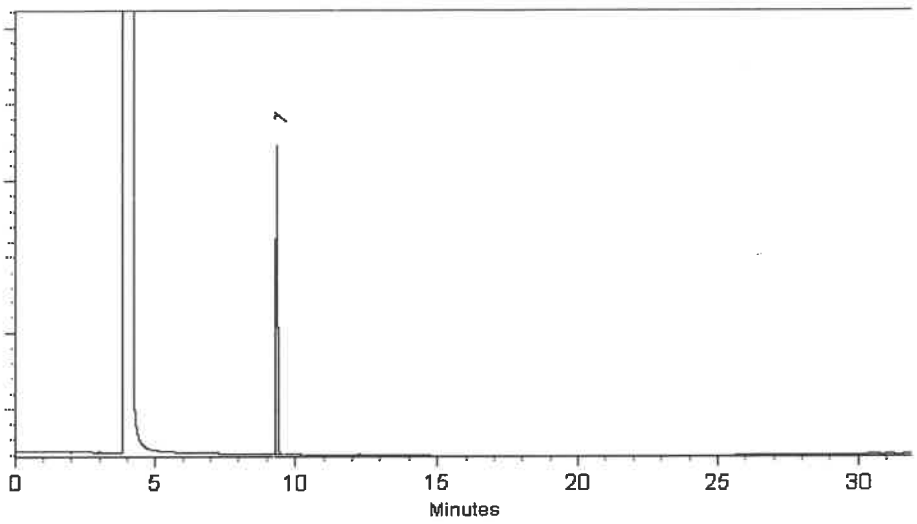
Inj. Temp:
200°C

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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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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Handling Notes:

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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.

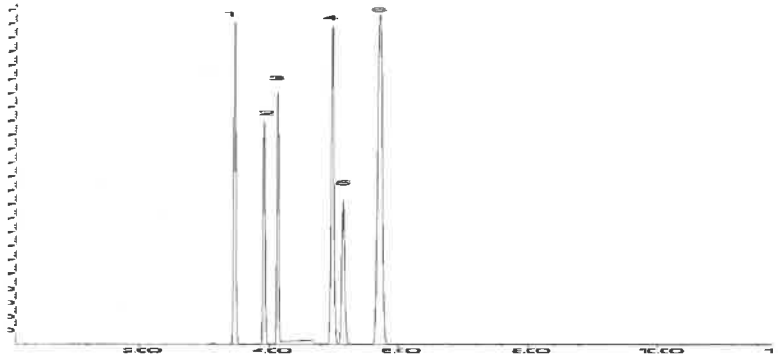
Inj. Temp:
200°C

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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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

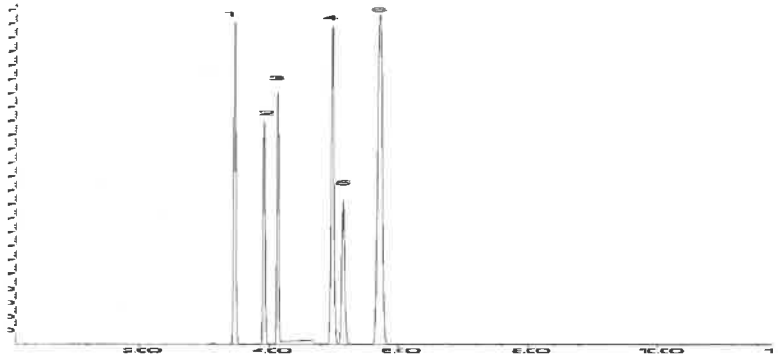
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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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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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

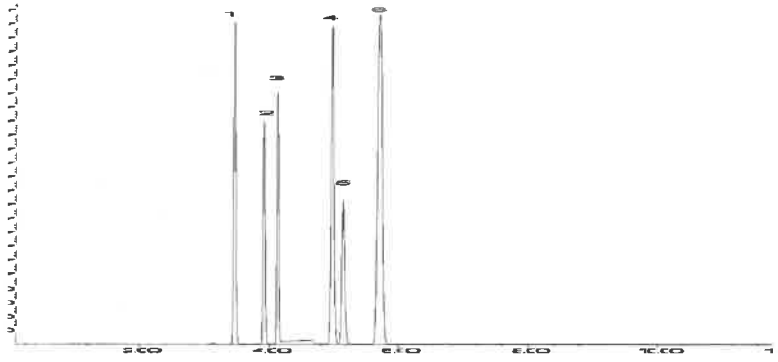
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

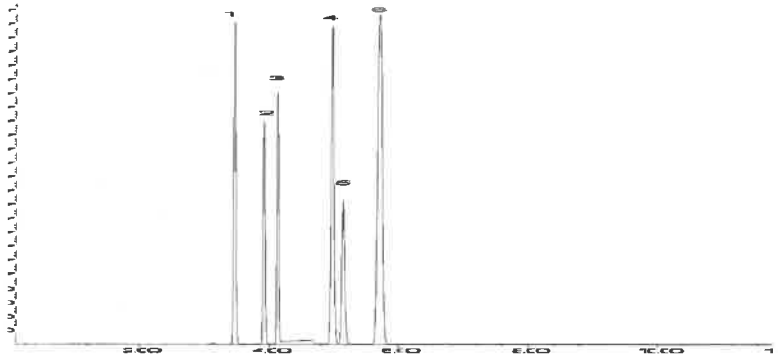
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- 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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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** 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.)

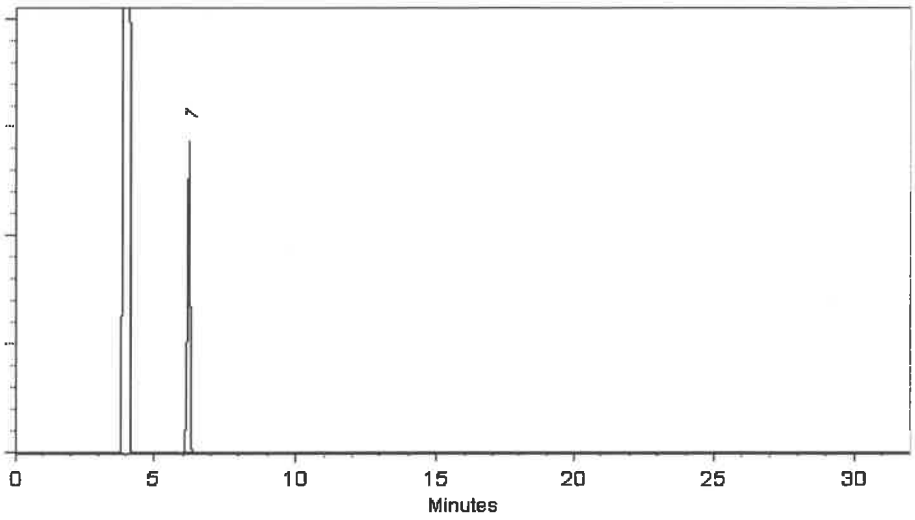
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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V14803 - V14822

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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. : 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.)

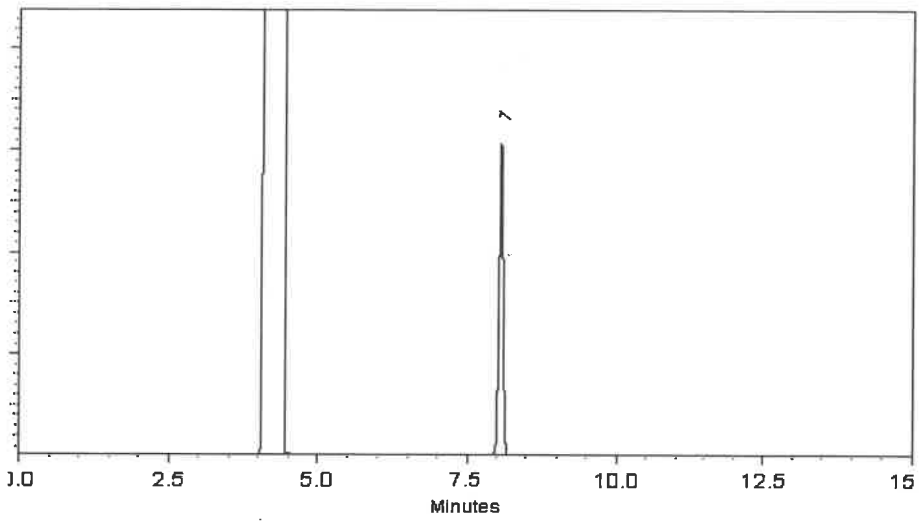
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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.
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Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

www.restek.com

Zoviy 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.)

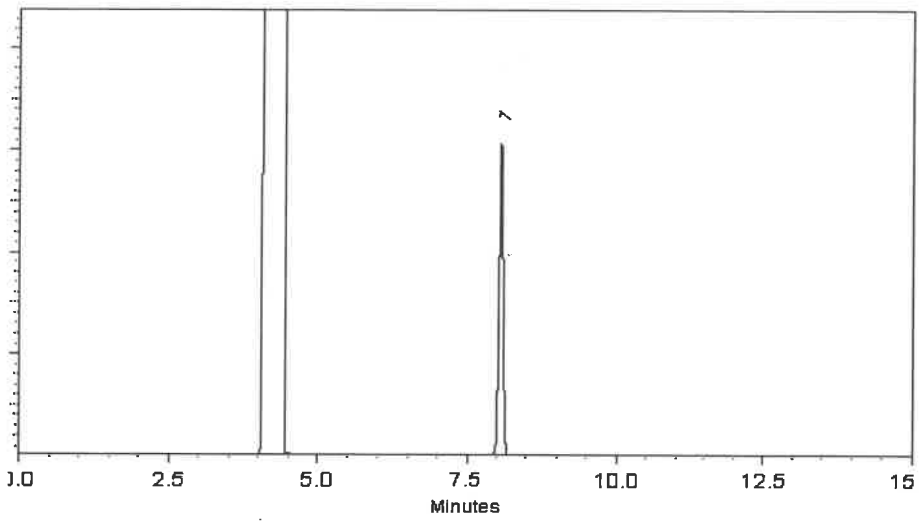
Inj. Temp:
200°C

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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Zoviy 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.)

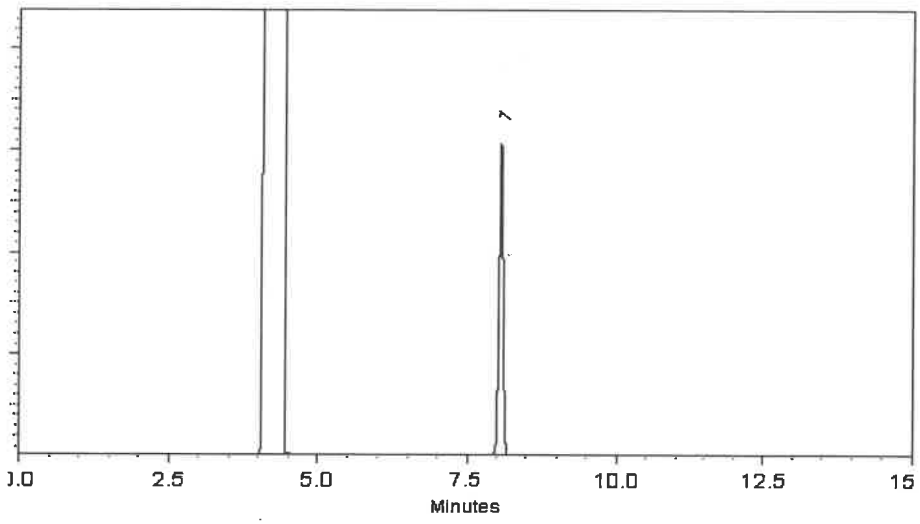
Inj. Temp:
200°C

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.)

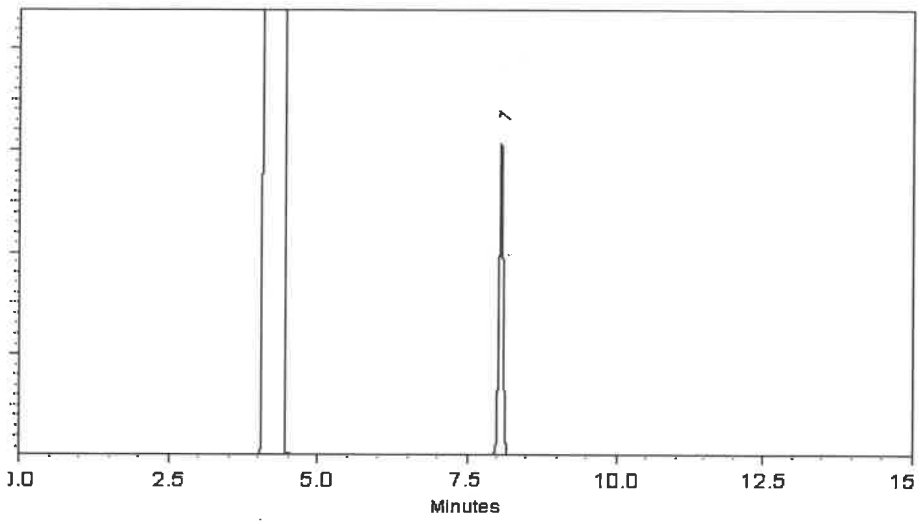
Inj. Temp:
200°C

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.
- 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

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®

V 14921 to
V 14938

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®

V 14921 to
V 14938

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®

V 14921 to
V 14938

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®

V 14921 to
V 14938

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

Rec 05/19/25

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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:

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Rec 05/19/25

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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:

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Bellefonte, PA 16823-8812
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2 x Vial

Certificate of Analysis

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 10/16/25 5 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 101625
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

Expiration Date: 111625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15071 – V15075

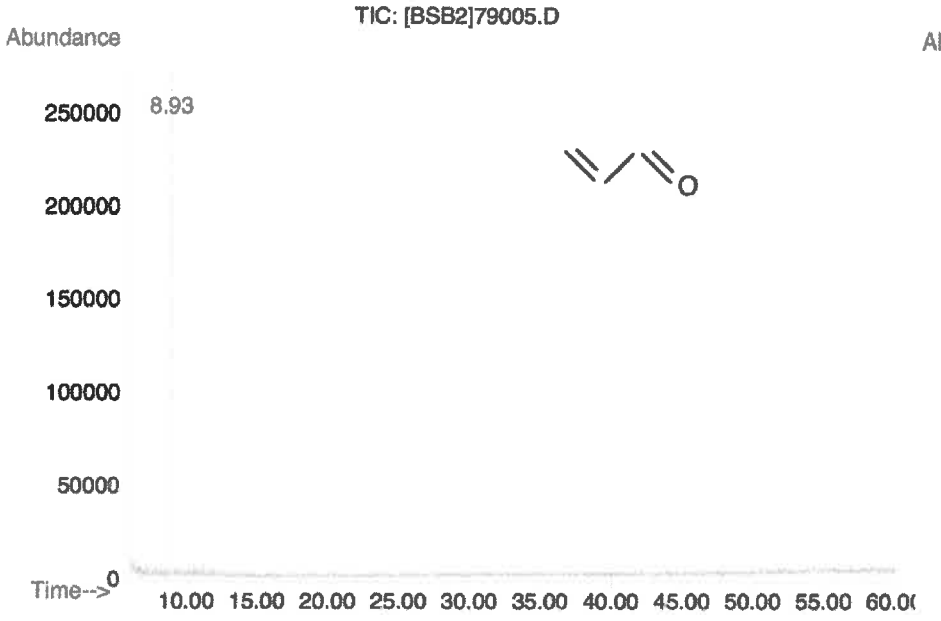
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

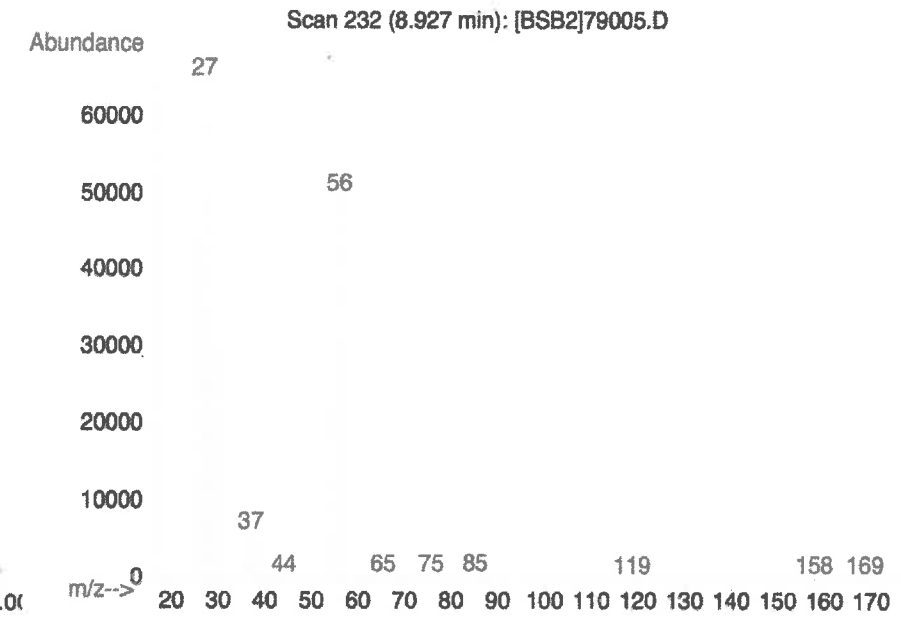
Weight(s) shown below were combined and diluted to (mL): 10.0

Prashant Chauhan		101625
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		101625
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	0.05180	5013.7	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. Goverament Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 10/16/25 5 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 101625
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

Expiration Date: 111625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15071 – V15075

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Prashant Chauhan		101625
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		101625
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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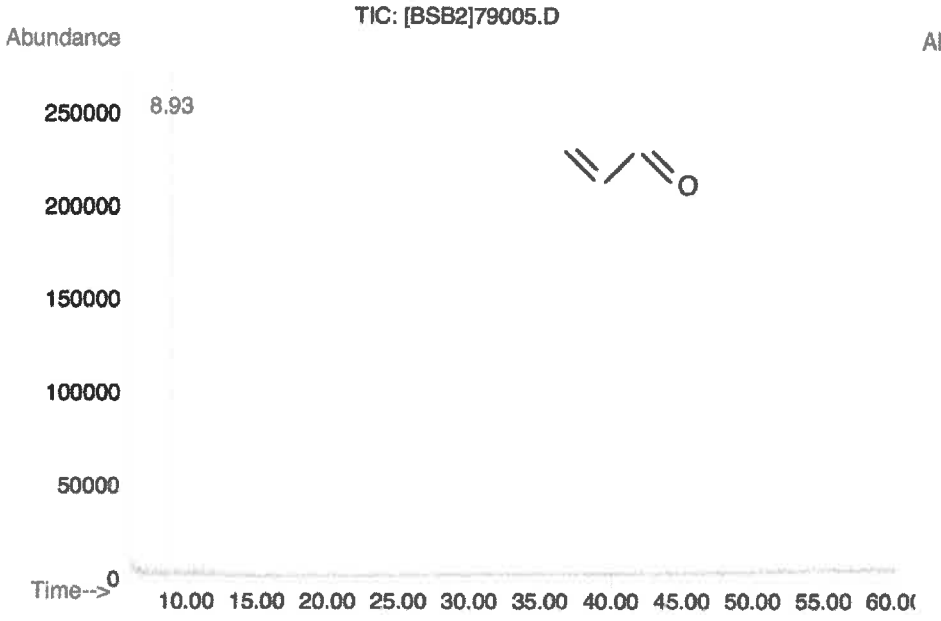

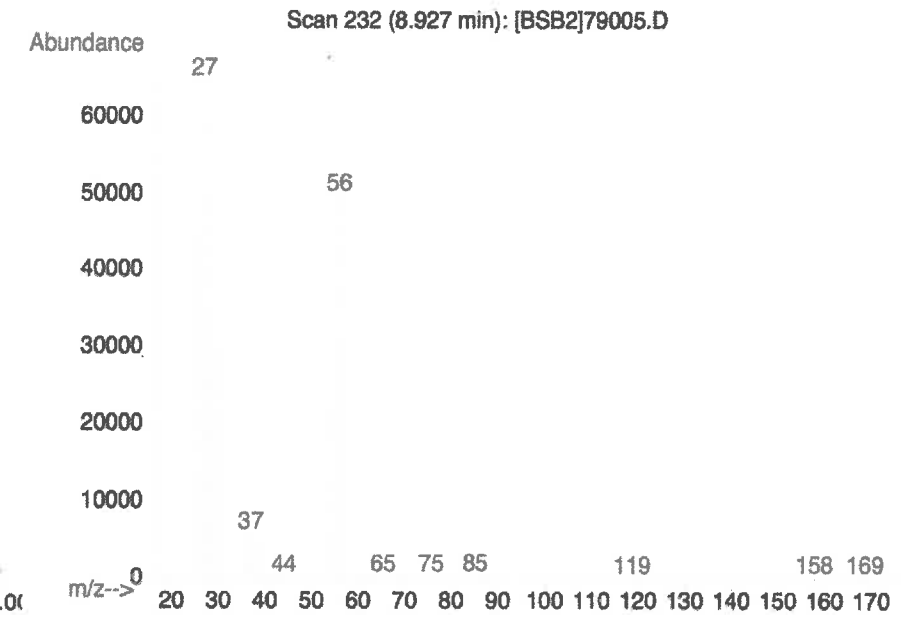

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  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 10/16/25 5 Vials

ANAB ISO 17034 Accredited
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CERTIFIED WEIGHT REPORT

Part Number: 91980
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Expiration Date: 111625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
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V15071 – V15075

5E-05 Balance Uncertainty
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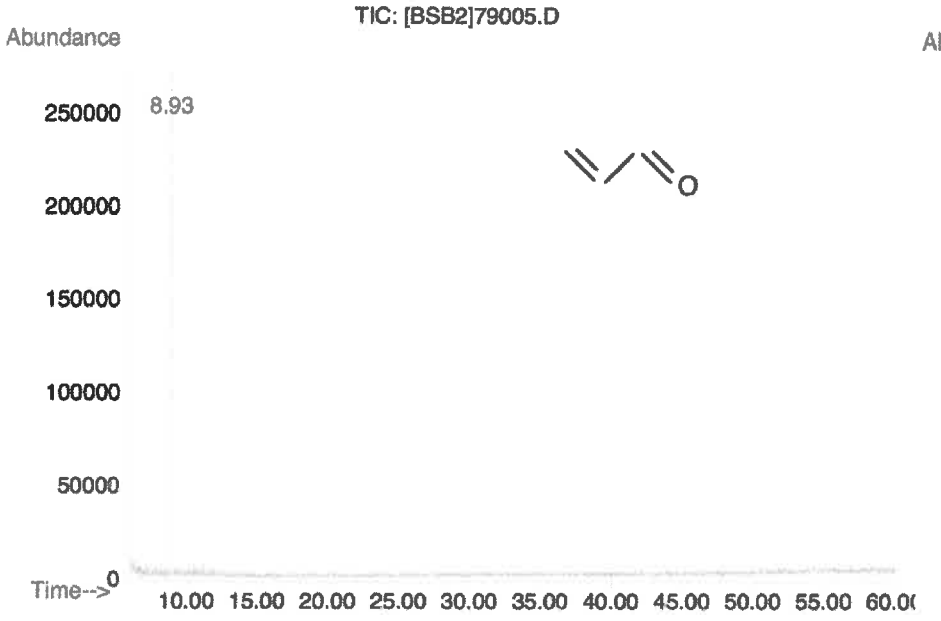

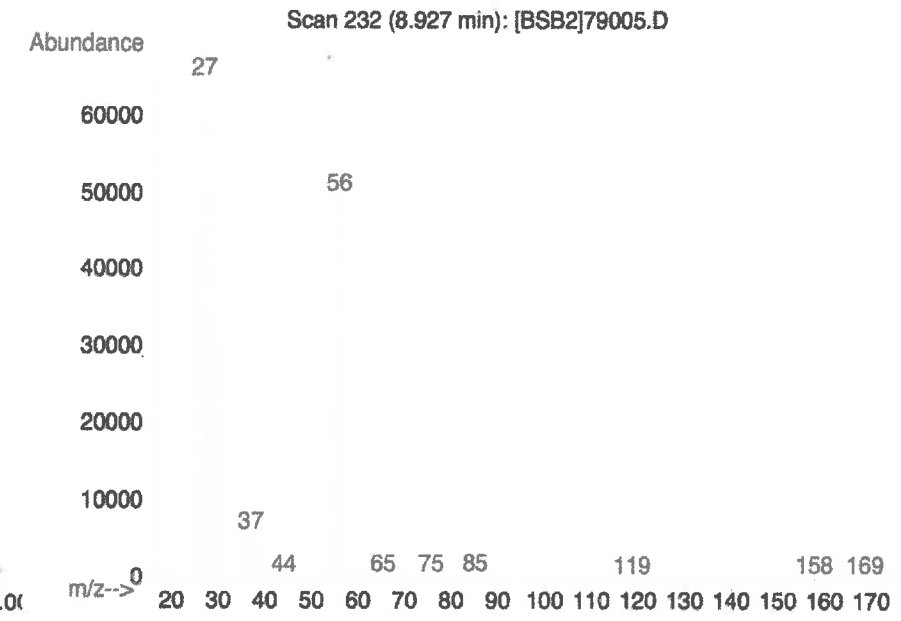

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  Rev 1.0, 2/25/2025

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

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q3434-01	39.22-33.05=6.17	10:01	39.40-32.79=6.61	10:02	33.04-27.94=5.1	10:03	V14921	10/24/2025	TERRACORE SAMPLE 8260

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3439
COC Number 2045129

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Robert Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond 132
PROJECT NO.: 60693795 LOCATION: Staten Isl
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 11 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 11
CITY STATE: ZIP:
ATTENTION: Rob Forstner PHONE: 11

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☑ NYS ASP B
- ☐ US EPA CLP
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: SVOC
2: Pesticide TCL
3: Hg Metals
4: Cr Cr VI Cyanide Sulfide
5: TPH
6: VOC
7: Flash Point
8:
9:

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	PR132-WC1-20251022	S		X	10/22	10:18	9	X	X	X	X	X	X			
2.	PR132-WC2-20251022	A		X	10/22	10:30	7	X	x	X	X	X	X	X		
3.	TB	A			10/22		3									
4.																
5.																
6.																
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Alderson	10/22/25 1pm	1. 1300 10.22.25
2.		2.
3.	10-22-25 1416	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3434 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/22/2025 1:40:00 PM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/22/2025 2:16:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3434-01	PR132-WC1-20251022	Solid	10/22/2025	10:18					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3434-02	PR132-WC2-20251022	Water	10/22/2025	10:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3434-03	TB	Water	10/22/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 10-22-25 1505

Received By : Sam
Date / Time : 10/22/25 1515

Storage Area : **VOA Refridgerator Room**

Rg +6
DZ 2
Rg +5