284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM

605 3rd Avenue

29th Floor

New York, NY - 10158

Phone No: 212-973-2900

ORDER ID : Q3422

ATTENTION : Rob Forstner

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3422

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

Client : AECOM

Lab Sample Number	Client Sample Number
Q3422-01	PR132-S15-000008-20251021
Q3422-02	PR132-FB2-20251021

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:33 am, Nov 04, 2025

Date: 11/4/2025

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 # Q3422
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 10/21/2025.
1 Water sample was received on 10/21/2025.

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis 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.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The RPD for {VX1103WBSD01} with File ID: VX048450.D met criteria except for Benzene[17%], Bromodichloromethane[17%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate for {VX1103WBSD01} with File ID: VX048450.D met requirements for all compounds except for Benzene[114%] is failing high but no positive hit in associate sample therefore no corrective action taken.

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

The Continuous Calibration File ID VX048445.D met the requirements except for Dibromofluoromethane which is not our target compound, therefore no corrective action taken.

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The Tuning criteria met requirements.

E. Additional Comments:
The Sample #PR132-S15-000008-20251021, have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

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___ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 11:35 am, Nov 04, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3422 MATRIX: /Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration File ID VX048445.D met the requirements except for Dibromofluoromethane which is not our target compound, therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all compounds. The Blank Spike Duplicate for {VX1103WBSD01} with File ID: VX048450.D met requirements for all compounds except for Benzene[114%] is failing high but no positive hit in associate sample therefore no corrective action taken. The RPD for {VX1103WBSD01} with File ID: VX048450.D met criteria except for Benzene[17%], Bromodichloromethane[17%] due to difference in results of BS and BSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

The Sample #PR132-S15-000008-20251021, have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

Trip Blank was not provided with this set of samples.

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

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:35 am, Nov 04, 2025

QA REVIEW Date

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

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3422

	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:** 11/04/2025

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LAB CHRONICLE

OrderID:	Q3422	**OrderDate:**	10/22/2025 11:11:00 AM
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
Q3422-01	**PR132-S15-000008-20251021**	**SOIL**			**10/21/25**			**10/21/25**
			VOC-TCLVOA-10	8260D			10/22/25	
Q3422-02	**PR132-FB2-20251021**	**Water**			**10/21/25**			**10/21/25**
			VOC-TCLVOA-10	8260-Low			11/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3422

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PR132-S15-000008-20251021**								
Q3422-01	PR132-S15-000008	SOIL	Acetone		65.6		9.30	49.1	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	Carbon Disulfide		8.30	J	2.10	9.80	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	2-Butanone		17.2	J	12.8	49.1	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	Methylcyclohexane		14.6		1.80	9.80	ug/Kg
			Total Voc :		106				
Q3422-01	PR132-S15-000008	SOIL	Naphthalene, decahydro-	*	45.6	J	0	0	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	Naphthalene, decahydro-2-metl	*	61.4	J	0	0	ug/Kg
Q3422-01	PR132-S15-000008	SOIL	Tert butyl alcohol	*	63.6	J	26.9	49.1	ug/Kg
			Total Tics :		171				
			Total Concentration:		276				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3422

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3422-01	PR132-S15-000008-20251021	1,2-Dichloroethane-d4	50	50.2	100		63	155
		Dibromofluoromethane	50	49.8	100		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	48.3	97		17	146
VY1022SBL01	VY1022SBL01	1,2-Dichloroethane-d4	50	48.3	97		63	155
		Dibromofluoromethane	50	49.8	100		70	134
		Toluene-d8	50	48.6	97		74	123
		4-Bromofluorobenzene	50	41.1	82		17	146
VY1022SBS01	VY1022SBS01	1,2-Dichloroethane-d4	50	45.7	91		63	155
		Dibromofluoromethane	50	49.3	99		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	49.3	99		17	146
VY1022SBSD01	VY1022SBSD01	1,2-Dichloroethane-d4	50	45.1	90		63	155
		Dibromofluoromethane	50	49.3	99		70	134
		Toluene-d8	50	48.6	97		74	123
		4-Bromofluorobenzene	50	48.7	97		17	146

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Surrogate Summary

SDG No.: Q3422

Client: AECOM

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3422-02	PR132-FB2-20251021	1,2-Dichloroethane-d4	50	58.2	116		74	125
		Dibromofluoromethane	50	47.5	95		75	124
		Toluene-d8	50	45.2	90		86	113
		4-Bromofluorobenzene	50	48.1	96		77	121
VX1103WBL01	VX1103WBL01	1,2-Dichloroethane-d4	50	52.7	105		74	125
		Dibromofluoromethane	50	59.8	120		75	124
		Toluene-d8	50	45.5	91		86	113
		4-Bromofluorobenzene	50	48.3	97		77	121
VX1103WBS01	VX1103WBS01	1,2-Dichloroethane-d4	50	49.1	98		74	125
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	43.8	88		86	113
		4-Bromofluorobenzene	50	43.5	87		77	121
VX1103WBSD0	VX1103WBSD01	1,2-Dichloroethane-d4	50	49.2	98		74	125
		Dibromofluoromethane	50	59.5	119		75	124
		Toluene-d8	50	50.7	101		86	113
		4-Bromofluorobenzene	50	50.5	101		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048449.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1103WBS01	Dichlorodifluoromethane	20	17.2	ug/L	86			69	116	
	Chloromethane	20	20.5	ug/L	103			65	116	
	Vinyl chloride	20	19.6	ug/L	98			65	117	
	Bromomethane	20	20.1	ug/L	101			58	125	
	Chloroethane	20	17.0	ug/L	85			56	128	
	Trichlorofluoromethane	20	17.3	ug/L	86			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101			80	112	
	1,1-Dichloroethene	20	20.2	ug/L	101			74	110	
	Acetone	100	88.6	ug/L	89			60	125	
	Carbon disulfide	20	16.9	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	17.4	ug/L	87			78	114	
	Methyl Acetate	20	16.0	ug/L	80			67	125	
	Methylene Chloride	20	17.1	ug/L	86			72	114	
	trans-1,2-Dichloroethene	20	16.9	ug/L	85			75	108	
	1,1-Dichloroethane	20	17.4	ug/L	87			78	112	
	Cyclohexane	20	19.7	ug/L	99			75	110	
	2-Butanone	100	82.0	ug/L	82			65	122	
	Carbon Tetrachloride	20	18.7	ug/L	94			77	113	
	cis-1,2-Dichloroethene	20	16.6	ug/L	83			77	110	
	Bromochloromethane	20	19.3	ug/L	97			70	124	
	Chloroform	20	18.5	ug/L	93			79	113	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			80	108	
	Methylcyclohexane	20	16.6	ug/L	83			72	115	
	Benzene	20	19.2	ug/L	96			82	109	
	1,2-Dichloroethane	20	18.2	ug/L	91			80	115	
	Trichloroethene	20	17.5	ug/L	88			77	113	
	1,2-Dichloropropane	20	17.1	ug/L	86			83	111	
	Bromodichloromethane	20	18.3	ug/L	92			83	110	
	4-Methyl-2-Pentanone	100	86.6	ug/L	87			74	118	
	Toluene	20	17.6	ug/L	88			82	110	
	t-1,3-Dichloropropene	20	19.0	ug/L	95			79	110	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			82	110	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			83	112	
	2-Hexanone	100	86.4	ug/L	86			73	117	
	Dibromochloromethane	20	18.2	ug/L	91			82	110	
	1,2-Dibromoethane	20	17.8	ug/L	89			81	110	
	Tetrachloroethene	20	19.8	ug/L	99			67	123	
	Chlorobenzene	20	20.7	ug/L	104			82	109	
	Ethyl Benzene	20	20.5	ug/L	103			83	109	
	m/p-Xylenes	40	42.2	ug/L	106			82	110	
	o-Xylene	20	20.7	ug/L	104			83	109	
	Styrene	20	21.2	ug/L	106			80	111	
	Bromoform	20	21.3	ug/L	106			79	109	
	Isopropylbenzene	20	20.5	ug/L	103			83	112	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/L	103			76	118	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	20.2	ug/L	101			82	107	
	1,2-Dichlorobenzene	20	20.3	ug/L	102			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3422**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM**	**Datafile :**	VX048449.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1103WBS01	1,2-Dibromo-3-Chloropropane	20	20.5	ug/L	103			68	112	
	1,2,4-Trichlorobenzene	20	19.6	ug/L	98			75	113	
	1,2,3-Trichlorobenzene	20	20.2	ug/L	101			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX048450.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual		Limits Low	Limits High	RPD
VX1103WBSD01	Dichlorodifluoromethane	20	16.7	ug/L	84	2			69	116	19
	Chloromethane	20	19.6	ug/L	98	5			65	116	21
	Vinyl chloride	20	18.4	ug/L	92	6			65	117	19
	Bromomethane	20	20.8	ug/L	104	3			58	125	20
	Chloroethane	20	17.2	ug/L	86	1			56	128	20
	Trichlorofluoromethane	20	18.5	ug/L	93	8			73	115	16
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	13			80	112	15
	1,1-Dichloroethene	20	16.5	ug/L	83	20			74	110	20
	Acetone	100	99.0	ug/L	99	11			60	125	20
	Carbon disulfide	20	16.5	ug/L	83	2			64	112	20
	Methyl tert-butyl Ether	20	17.4	ug/L	87	0			78	114	20
	Methyl Acetate	20	16.0	ug/L	80	0			67	125	20
	Methylene Chloride	20	16.8	ug/L	84	2			72	114	20
	trans-1,2-Dichloroethene	20	16.7	ug/L	84	1			75	108	16
	1,1-Dichloroethane	20	16.8	ug/L	84	4			78	112	20
	Cyclohexane	20	19.5	ug/L	98	1			75	110	20
	2-Butanone	100	98.3	ug/L	98	18			65	122	26
	Carbon Tetrachloride	20	21.6	ug/L	108	14			77	113	15
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	16			77	110	20
	Bromochloromethane	20	17.8	ug/L	89	9			70	124	20
	Chloroform	20	19.1	ug/L	96	3			79	113	20
	1,1,1-Trichloroethane	20	19.1	ug/L	96	4			80	108	20
	Methylcyclohexane	20	19.3	ug/L	97	16			72	115	20
	Benzene	20	22.8	ug/L	114	17	*	*	82	109	15
	1,2-Dichloroethane	20	21.1	ug/L	106	15			80	115	20
	Trichloroethene	20	19.1	ug/L	96	9			77	113	15
	1,2-Dichloropropane	20	19.5	ug/L	98	13			83	111	16
	Bromodichloromethane	20	21.7	ug/L	109	17		*	83	110	16
	4-Methyl-2-Pentanone	100	100	ug/L	100	14			74	118	25
	Toluene	20	19.7	ug/L	99	12			82	110	16
	t-1,3-Dichloropropene	20	21.7	ug/L	109	14			79	110	20
	cis-1,3-Dichloropropene	20	21.0	ug/L	105	13			82	110	16
	1,1,2-Trichloroethane	20	20.4	ug/L	102	13			83	112	20
	2-Hexanone	100	110	ug/L	110	24			73	117	25
	Dibromochloromethane	20	21.0	ug/L	105	14			82	110	20
	1,2-Dibromoethane	20	20.8	ug/L	104	16			81	110	20
	Tetrachloroethene	20	19.9	ug/L	100	1			67	123	15
	Chlorobenzene	20	20.0	ug/L	100	4			82	109	15
	Ethyl Benzene	20	20.3	ug/L	102	1			83	109	16
	m/p-Xylenes	40	40.7	ug/L	102	4			82	110	15
	o-Xylene	20	19.8	ug/L	99	5			83	109	20
	Styrene	20	20.6	ug/L	103	3			80	111	17
	Bromoform	20	21.5	ug/L	108	2			79	109	20
	Isopropylbenzene	20	17.5	ug/L	88	16			83	112	29
	1,1,2,2-Tetrachloroethane	20	17.6	ug/L	88	16			76	118	20
	1,3-Dichlorobenzene	20	19.7	ug/L	99	0			82	108	20
	1,4-Dichlorobenzene	20	19.9	ug/L	100	1			82	107	15
	1,2-Dichlorobenzene	20	20.2	ug/L	101	1			82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3422**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM**	**Datafile :**	VX048450.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1103WBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	3		68	112	20
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98	0		75	113	29
	1,2,3-Trichlorobenzene	20	20.6	ug/L	103	2		76	114	29

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023545.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBS01	Dichlorodifluoromethane	20	20.0	ug/Kg	100			64	136	
	Chloromethane	20	18.0	ug/Kg	90			52	151	
	Vinyl chloride	20	18.7	ug/Kg	94			56	148	
	Bromomethane	20	20.0	ug/Kg	100			58	141	
	Chloroethane	20	19.8	ug/Kg	99			69	130	
	Trichlorofluoromethane	20	20.2	ug/Kg	101			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	20.7	ug/Kg	104			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	19.3	ug/Kg	97			59	130	
	Methyl tert-butyl Ether	20	19.8	ug/Kg	99			77	129	
	Methyl Acetate	20	17.3	ug/Kg	86			69	149	
	Methylene Chloride	20	18.4	ug/Kg	92			72	131	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			80	123	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			82	123	
	Cyclohexane	20	19.3	ug/Kg	97			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.4	ug/Kg	107			76	129	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			82	123	
	Bromochloromethane	20	19.3	ug/Kg	97			80	127	
	Chloroform	20	21.2	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.7	ug/Kg	104			77	123	
	Benzene	20	21.2	ug/Kg	106			84	121	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			81	126	
	Trichloroethene	20	21.9	ug/Kg	110			83	122	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			83	122	
	Bromodichloromethane	20	21.2	ug/Kg	106			82	123	
	4-Methyl-2-Pentanone	100	96.0	ug/Kg	96			70	135	
	Toluene	20	22.0	ug/Kg	110			83	122	
	t-1,3-Dichloropropene	20	21.0	ug/Kg	105			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			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	21.4	ug/Kg	107			79	125	
	1,2-Dibromoethane	20	21.2	ug/Kg	106			80	125	
	Tetrachloroethene	20	22.9	ug/Kg	115			83	125	
	Chlorobenzene	20	21.4	ug/Kg	107			84	122	
	Ethyl Benzene	20	21.2	ug/Kg	106			82	124	
	m/p-Xylenes	40	43.3	ug/Kg	108			83	124	
	o-Xylene	20	21.6	ug/Kg	108			83	123	
	Styrene	20	21.3	ug/Kg	106			82	124	
	Bromoform	20	20.5	ug/Kg	103			75	127	
	Isopropylbenzene	20	21.7	ug/Kg	109			82	124	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96			77	127	
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106			83	122	
	1,4-Dichlorobenzene	20	21.1	ug/Kg	106			84	121	
	1,2-Dichlorobenzene	20	21.3	ug/Kg	106			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VY023545.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBS01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/Kg	94			66	134	
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102			78	127	
	1,2,3-Trichlorobenzene	20	19.8	ug/Kg	99			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3422**	**Analytical Method:**	**SW8260D**
Client:	**AECOM**	**Datafile :**	VY023546.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBSD01	Dichlorodifluoromethane	20	19.5	ug/Kg	98	2		64	136	20
	Chloromethane	20	17.5	ug/Kg	88	2		52	151	20
	Vinyl chloride	20	18.3	ug/Kg	92	2		56	148	20
	Bromomethane	20	19.0	ug/Kg	95	5		58	141	20
	Chloroethane	20	18.9	ug/Kg	95	4		69	130	20
	Trichlorofluoromethane	20	19.5	ug/Kg	98	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102	4		81	123	20
	1,1-Dichloroethene	20	19.9	ug/Kg	100	4		79	121	20
	Acetone	100	120	ug/Kg	120	8		40	171	20
	Carbon disulfide	20	18.8	ug/Kg	94	3		59	130	20
	Methyl tert-butyl Ether	20	19.3	ug/Kg	97	2		77	129	20
	Methyl Acetate	20	16.0	ug/Kg	80	7		69	149	20
	Methylene Chloride	20	18.0	ug/Kg	90	2		72	131	20
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101	1		80	123	20
	1,1-Dichloroethane	20	19.9	ug/Kg	100	3		82	123	20
	Cyclohexane	20	18.5	ug/Kg	93	4		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	20.5	ug/Kg	103	4		76	129	20
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104	2		82	123	20
	Bromochloromethane	20	19.3	ug/Kg	97	0		80	127	20
	Chloroform	20	20.6	ug/Kg	103	3		82	125	20
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104	2		80	126	20
	Methylcyclohexane	20	20.0	ug/Kg	100	4		77	123	20
	Benzene	20	20.7	ug/Kg	104	2		84	121	20
	1,2-Dichloroethane	20	19.4	ug/Kg	97	2		81	126	20
	Trichloroethene	20	21.2	ug/Kg	106	4		83	122	20
	1,2-Dichloropropane	20	20.3	ug/Kg	102	3		83	122	20
	Bromodichloromethane	20	20.7	ug/Kg	104	2		82	123	20
	4-Methyl-2-Pentanone	100	91.4	ug/Kg	91	5		70	135	20
	Toluene	20	21.2	ug/Kg	106	4		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	4		78	124	20
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102	2		81	122	20
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106	2		82	125	20
	2-Hexanone	100	100	ug/Kg	100	10		66	138	20
	Dibromochloromethane	20	20.7	ug/Kg	104	3		79	125	20
	1,2-Dibromoethane	20	20.5	ug/Kg	103	3		80	125	20
	Tetrachloroethene	20	22.3	ug/Kg	112	3		83	125	20
	Chlorobenzene	20	21.0	ug/Kg	105	2		84	122	20
	Ethyl Benzene	20	20.8	ug/Kg	104	2		82	124	20
	m/p-Xylenes	40	42.2	ug/Kg	106	2		83	124	20
	o-Xylene	20	21.1	ug/Kg	106	2		83	123	20
	Styrene	20	21.2	ug/Kg	106	0		82	124	20
	Bromoform	20	20.3	ug/Kg	102	1		75	127	20
	Isopropylbenzene	20	20.8	ug/Kg	104	5		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96	0		77	127	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	2		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	2		84	121	20
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	2		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3422**	**Analytical Method:**	**SW8260D**
Client:	**AECOM**	**Datafile :**	VY023546.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBSD01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95	1		66	134	20
	1,2,4-Trichlorobenzene	20	20.2	ug/Kg	101	1		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	1		70	137	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1103WBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: VX048447.D Lab Sample ID: VX1103WBL01

Date Analyzed: 11/03/2025 Time Analyzed: 11:25

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1103WBS01	VX1103WBS01	VX048449.D	11/03/2025
VX1103WBSD01	VX1103WBSD01	VX048450.D	11/03/2025
PR132-FB2-20251021	Q3422-02	VX048458.D	11/03/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1022SBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: VY023544.D | Lab Sample ID: VY1022SBL01

Date Analyzed: 10/22/2025 | Time Analyzed: 10:00

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
VY1022SBS01	VY1022SBS01	VY023545.D	10/22/2025
VY1022SBSD01	VY1022SBSD01	VY023546.D	10/22/2025
PR132-S15-000008-20251021	Q3422-01	VY023554.D	10/22/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3422
Lab File ID: VX048403.D
BFB Injection Date: 10/29/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:39
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5 (6.9) 1
176	95.0 - 101.0% of mass 174	70.8 (97.9) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 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	VX048407.D	10/29/2025	11:12
VSTDICC005	VSTDICC005	VX048408.D	10/29/2025	11:41
VSTDICC020	VSTDICC020	VX048409.D	10/29/2025	12:01
VSTDICCC050	VSTDICCC050	VX048410.D	10/29/2025	12:22
VSTDICC100	VSTDICC100	VX048411.D	10/29/2025	12:43
VSTDICC150	VSTDICC150	VX048412.D	10/29/2025	13:03

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q3422
Lab File ID: VX048444.D
BFB Injection Date: 11/03/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:20
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	21.4
75	30.0 - 60.0% of mass 95	57.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	5.4 (7.2) 1
176	95.0 - 101.0% of mass 174	72 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VX048445.D	11/03/2025	09:14
VX1103WBL01	VX1103WBL01	VX048447.D	11/03/2025	11:25
VX1103WBS01	VX1103WBS01	VX048449.D	11/03/2025	12:21
VX1103WBSD01	VX1103WBSD01	VX048450.D	11/03/2025	12:44
PR132-FB2-20251021	Q3422-02	VX048458.D	11/03/2025	15:41

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

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

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: VY023542.D | BFB Injection Date: 10/22/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 09:00

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	15.8
75	30.0 - 60.0% of mass 95	47.5
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	1 (1) 1
174	50.0 - 100.0% of mass 95	99.3
175	5.0 - 9.0% of mass 174	7.2 (7.2) 1
176	95.0 - 101.0% of mass 174	97.5 (98.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023543.D	10/22/2025	09:30
VY1022SBL01	VY1022SBL01	VY023544.D	10/22/2025	10:00
VY1022SBS01	VY1022SBS01	VY023545.D	10/22/2025	10:28
VY1022SBSD01	VY1022SBSD01	VY023546.D	10/22/2025	10:51
PR132-S15-000008-20251021	Q3422-01	VY023554.D	10/22/2025	16:22

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: VX048445.D Date Analyzed: 11/03/2025

Instrument ID: MSVOA_X Time Analyzed: 09:14

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	182398	5.53	256609	6.74	229985	10.04
UPPER LIMIT	364796	6.032	513218	7.239	459970	10.537
LOWER LIMIT	91199	5.032	128305	6.239	114993	9.537
EPA SAMPLE NO.						
PR132-FB2-20251021	134520	5.54	239042	6.75	216803	10.04
VX1103WBL01	160467	5.53	268071	6.74	290044	10.04
VX1103WBS01	172640	5.53	288363	6.74	217740	10.04
VX1103WBSD01	167391	5.54	243248	6.75	213899	10.04

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: VX048445.D Date Analyzed: 11/03/2025

Instrument ID: MSVOA_X Time Analyzed: 09:14

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

	IS4 AREA #	RT #				
12 HOUR STD	116056	12				
UPPER LIMIT	232112	12.5				
LOWER LIMIT	58028	11.5				
EPA SAMPLE NO.						
PR132-FB2-20251021	106541	12.01				
VX1103WBL01	117306	12.01				
VX1103WBS01	110522	12.01				
VX1103WBSD01	125216	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: VY023543.D Date Analyzed: 10/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:30

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	557873	7.71	806690	8.62	720008	11.42
UPPER LIMIT	1115750	8.213	1613380	9.116	1440020	11.92
LOWER LIMIT	278937	7.213	403345	8.116	360004	10.92
EPA SAMPLE NO.						
PR132-S15-000008-20251021	828002	7.71	1318131	8.62	1124309	11.41
VY1022SBL01	890059	7.71	1434768	8.62	1180185	11.42
VY1022SBS01	546555	7.71	794303	8.62	700136	11.41
VY1022SBSD01	542616	7.71	794200	8.62	691787	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.: Q3422

Lab File ID: VY023543.D Date Analyzed: 10/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:30

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

	IS4 AREA #	RT #				
12 HOUR STD	373234	13.346				
UPPER LIMIT	746468	13.846				
LOWER LIMIT	186617	12.846				
EPA SAMPLE NO.						
PR132-S15-000008-20251021	514846	13.35				
VY1022SBL01	484557	13.35				
VY1022SBS01	365280	13.35				
VY1022SBSD01	364513	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.

SAMPLE DATA

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-202510	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	58.1
Sample Wt/Vol:	4.38 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	9.80	U	1	2.20	9.80	ug/Kg	10/22/25 16:22	VY102225
74-87-3	Chloromethane	9.80	U	1	2.20	9.80	ug/Kg	10/22/25 16:22	VY102225
75-01-4	Vinyl Chloride	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
74-83-9	Bromomethane	9.80	U	1	2.10	9.80	ug/Kg	10/22/25 16:22	VY102225
75-00-3	Chloroethane	9.80	U	1	2.50	9.80	ug/Kg	10/22/25 16:22	VY102225
75-69-4	Trichlorofluoromethane	9.80	U	1	2.40	9.80	ug/Kg	10/22/25 16:22	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	9.80	U	1	2.10	9.80	ug/Kg	10/22/25 16:22	VY102225
75-35-4	1,1-Dichloroethene	9.80	U	1	2.00	9.80	ug/Kg	10/22/25 16:22	VY102225
67-64-1	Acetone	65.6		1	9.30	49.1	ug/Kg	10/22/25 16:22	VY102225
75-15-0	Carbon Disulfide	8.30	J	1	2.10	9.80	ug/Kg	10/22/25 16:22	VY102225
1634-04-4	Methyl tert-butyl Ether	9.80	U	1	1.40	9.80	ug/Kg	10/22/25 16:22	VY102225
79-20-9	Methyl Acetate	9.80	U	1	3.00	9.80	ug/Kg	10/22/25 16:22	VY102225
75-09-2	Methylene Chloride	19.6	U	1	6.90	19.6	ug/Kg	10/22/25 16:22	VY102225
156-60-5	trans-1,2-Dichloroethene	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225
75-34-3	1,1-Dichloroethane	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
110-82-7	Cyclohexane	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
78-93-3	2-Butanone	17.2	J	1	12.8	49.1	ug/Kg	10/22/25 16:22	VY102225
56-23-5	Carbon Tetrachloride	9.80	U	1	1.90	9.80	ug/Kg	10/22/25 16:22	VY102225
156-59-2	cis-1,2-Dichloroethene	9.80	U	1	1.50	9.80	ug/Kg	10/22/25 16:22	VY102225
74-97-5	Bromochloromethane	9.80	U	1	2.30	9.80	ug/Kg	10/22/25 16:22	VY102225
67-66-3	Chloroform	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225
71-55-6	1,1,1-Trichloroethane	9.80	U	1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
108-87-2	Methylcyclohexane	14.6		1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
71-43-2	Benzene	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
107-06-2	1,2-Dichloroethane	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
79-01-6	Trichloroethene	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
78-87-5	1,2-Dichloropropane	9.80	U	1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
75-27-4	Bromodichloromethane	9.80	U	1	1.50	9.80	ug/Kg	10/22/25 16:22	VY102225
108-10-1	4-Methyl-2-Pentanone	49.1	U	1	7.00	49.1	ug/Kg	10/22/25 16:22	VY102225
108-88-3	Toluene	9.80	U	1	1.50	9.80	ug/Kg	10/22/25 16:22	VY102225
10061-02-6	t-1,3-Dichloropropene	9.80	U	1	1.30	9.80	ug/Kg	10/22/25 16:22	VY102225
10061-01-5	cis-1,3-Dichloropropene	9.80	U	1	1.20	9.80	ug/Kg	10/22/25 16:22	VY102225
79-00-5	1,1,2-Trichloroethane	9.80	U	1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
591-78-6	2-Hexanone	49.1	U	1	7.30	49.1	ug/Kg	10/22/25 16:22	VY102225
124-48-1	Dibromochloromethane	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225
106-93-4	1,2-Dibromoethane	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225
127-18-4	Tetrachloroethene	9.80	U	1	2.10	9.80	ug/Kg	10/22/25 16:22	VY102225
108-90-7	Chlorobenzene	9.80	U	1	1.80	9.80	ug/Kg	10/22/25 16:22	VY102225
100-41-4	Ethyl Benzene	9.80	U	1	1.30	9.80	ug/Kg	10/22/25 16:22	VY102225
179601-23-1	m/p-Xylenes	19.6	U	1	2.40	19.6	ug/Kg	10/22/25 16:22	VY102225
95-47-6	o-Xylene	9.80	U	1	1.60	9.80	ug/Kg	10/22/25 16:22	VY102225
100-42-5	Styrene	9.80	U	1	1.40	9.80	ug/Kg	10/22/25 16:22	VY102225
75-25-2	Bromoform	9.80	U	1	1.70	9.80	ug/Kg	10/22/25 16:22	VY102225

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-202510	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	58.1
Sample Wt/Vol:	4.38 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	9.80	U	1	1.50	9.80	ug/Kg	10/22/25 16:22	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	9.80	U	1	2.40	9.80	ug/Kg	10/22/25 16:22	VY102225
541-73-1	1,3-Dichlorobenzene	9.80	U	1	3.40	9.80	ug/Kg	10/22/25 16:22	VY102225
106-46-7	1,4-Dichlorobenzene	9.80	U	1	3.10	9.80	ug/Kg	10/22/25 16:22	VY102225
95-50-1	1,2-Dichlorobenzene	9.80	U	1	2.80	9.80	ug/Kg	10/22/25 16:22	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	9.80	U	1	3.60	9.80	ug/Kg	10/22/25 16:22	VY102225
120-82-1	1,2,4-Trichlorobenzene	9.80	U	1	5.80	9.80	ug/Kg	10/22/25 16:22	VY102225
87-61-6	1,2,3-Trichlorobenzene	9.80	U	1	6.20	9.80	ug/Kg	10/22/25 16:22	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.2			63 - 155	100%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.8			70 - 134	100%	SPK: 50		
2037-26-5	Toluene-d8	49.8			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			17 - 146	97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	828000							
540-36-3	1,4-Difluorobenzene	1320000							
3114-55-4	Chlorobenzene-d5	1120000							
3855-82-1	1,4-Dichlorobenzene-d4	515000							
TENTATIVE IDENTIFIED COMPOUNDS									
75-65-0	Tert butyl alcohol	63.6	J			4.87	ug/Kg		
000091-17-8	Naphthalene, decahydro-	45.6	J			13.7	ug/Kg		
002958-76-1	Naphthalene, decahydro-2-methyl-	61.4	J			14.2	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023554.D
Acq On : 22 Oct 2025 16:22
Operator : SY/MD
Sample : Q3422-01
Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

Quant Time: Oct 24 02:36:48 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

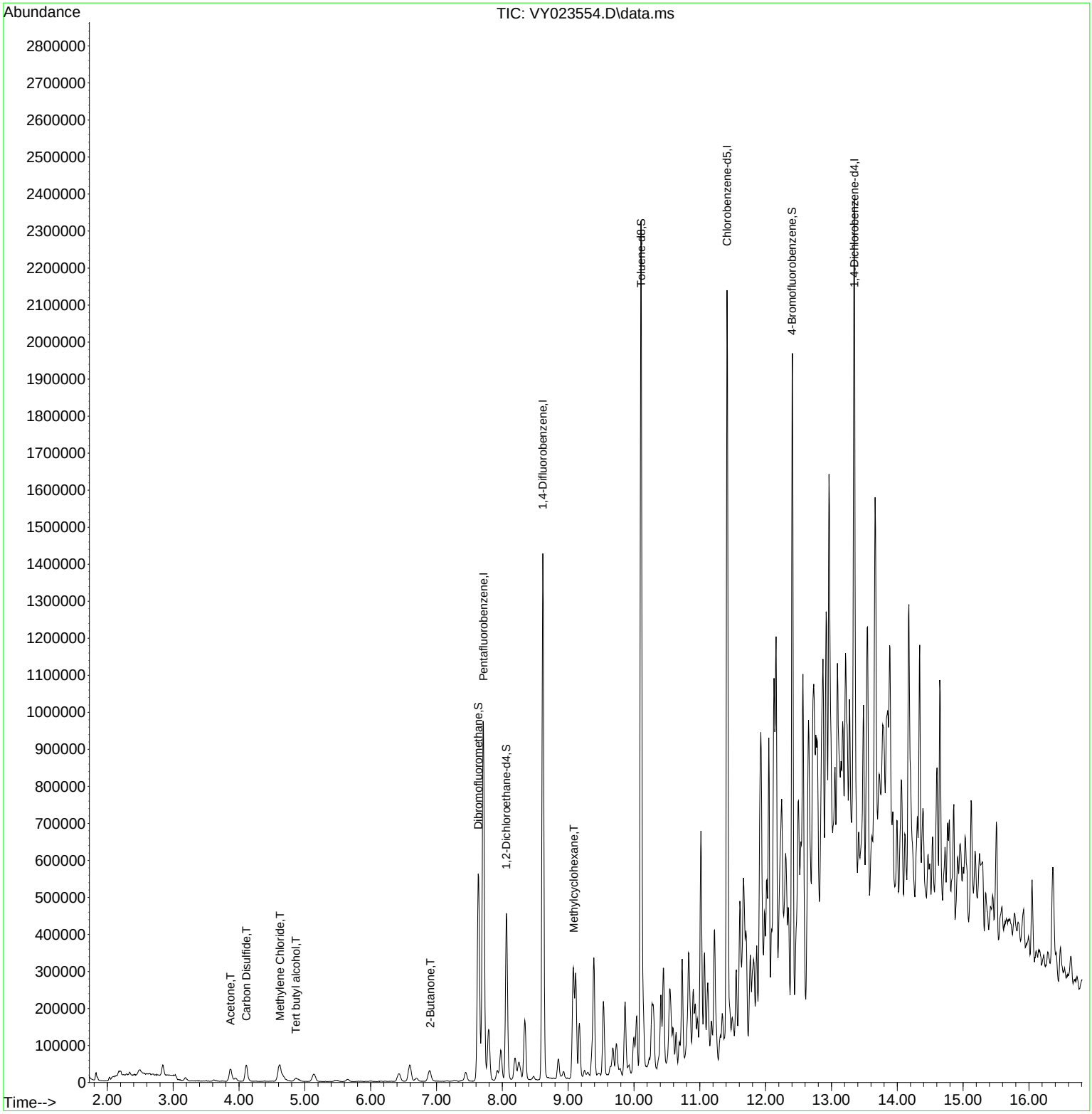
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	828002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1318131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1124309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	514846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	347588	50.201	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.400%			
35) Dibromofluoromethane	7.634	113	403047	49.763	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.520%			
50) Toluene-d8	10.109	98	1501805	49.790	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.580%			
62) 4-Bromofluorobenzene	12.401	95	481218	48.324	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.640%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	16683	32.388	ug/l	97
16) Acetone	3.872	43	55038	33.390	ug/l	97
17) Carbon Disulfide	4.110	76	89341	4.226	ug/l	99
20) Methylene Chloride	4.622	84	25987	2.916	ug/l	98
25) 2-Butanone	6.908	43	17633	8.762	ug/l	88
39) Methylcyclohexane	9.085	83	103880	7.441	ug/l #	43

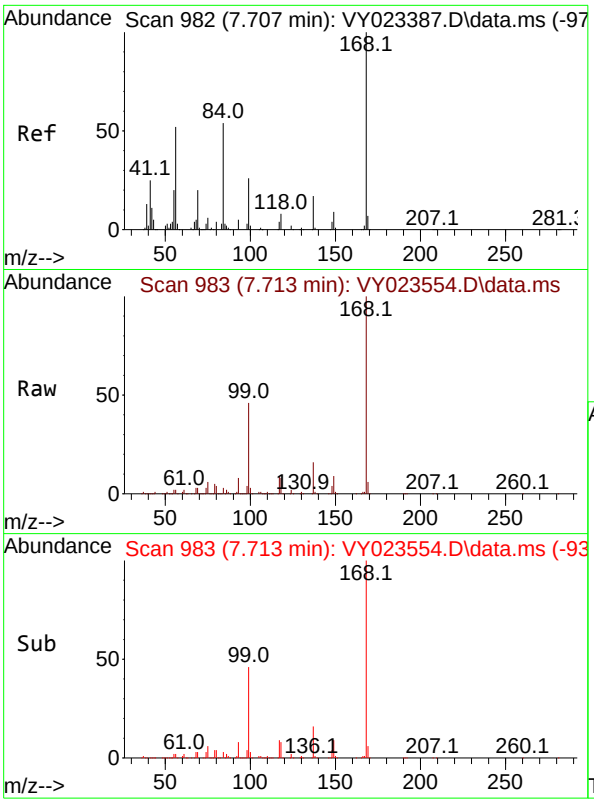
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023554.D
Acq On : 22 Oct 2025 16:22
Operator : SY/MD
Sample : Q3422-01
Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

Quant Time: Oct 24 02:36:48 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



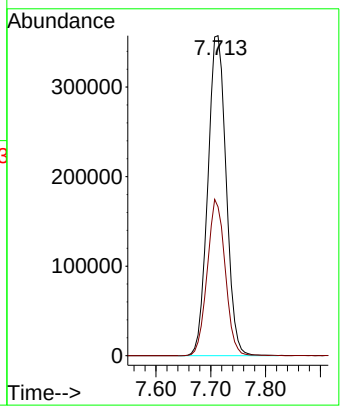


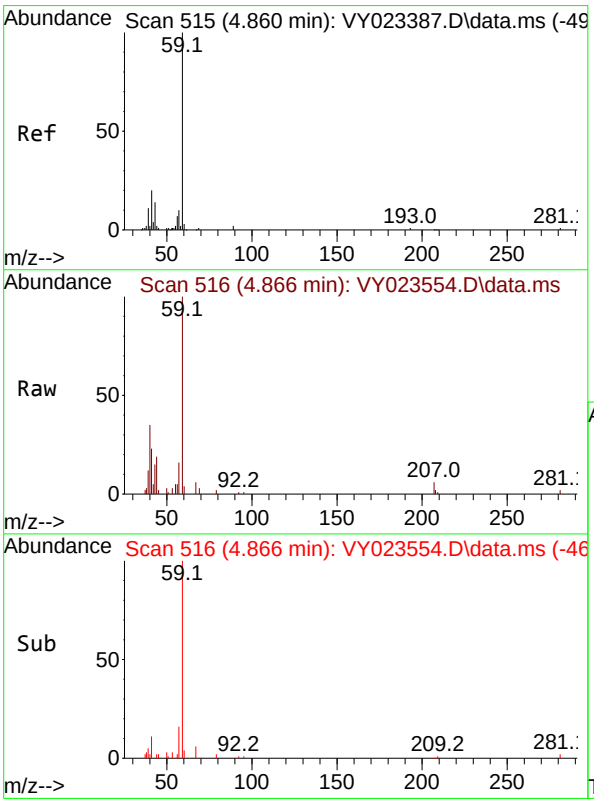
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion:168 Resp: 828002

Ion	Ratio	Lower	Upper
168	100		
99	46.5	39.7	59.5

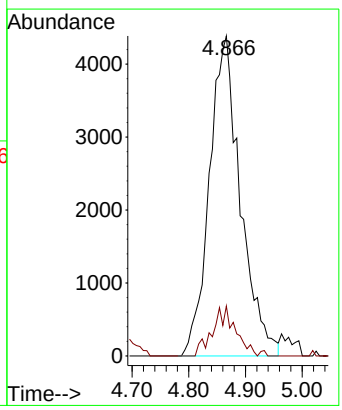


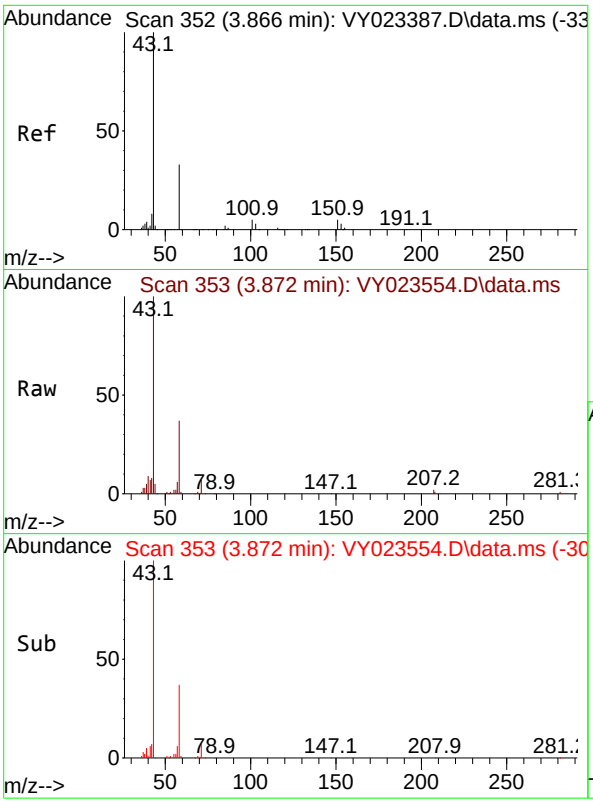


#11
Tert butyl alcohol
Concen: 32.388 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion: 59 Resp: 16683

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.3	12.5



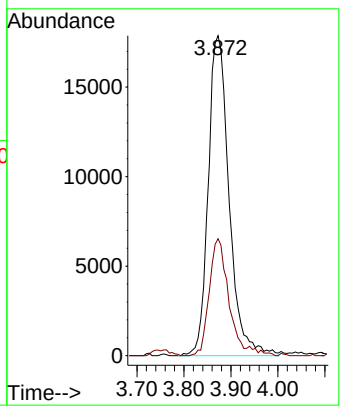


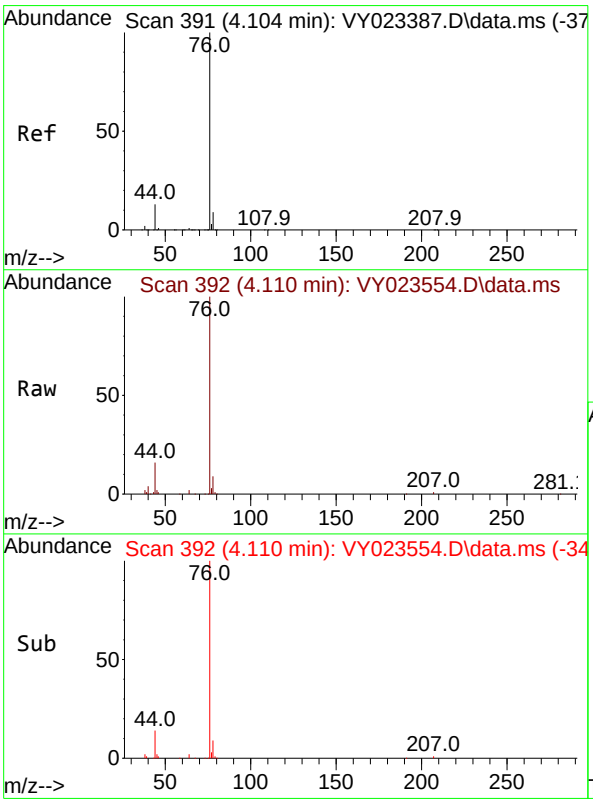
#16
Acetone
Concen: 33.390 ug/l
RT: 3.872 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion: 43 Resp: 55038

Ion	Ratio	Lower	Upper
43	100		
58	36.6	27.7	41.5

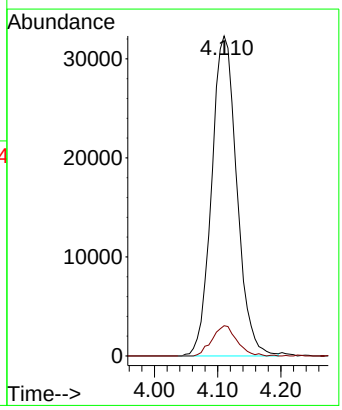


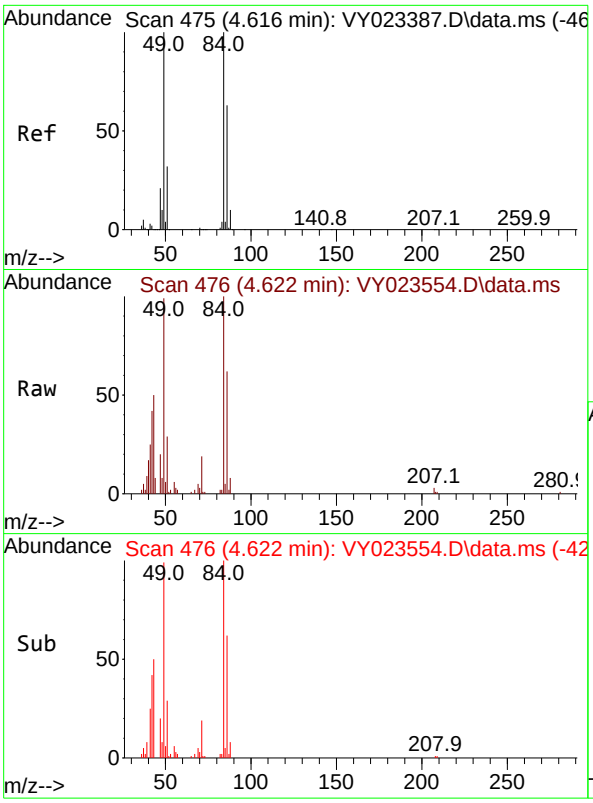


#17
Carbon Disulfide
Concen: 4.226 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion: 76 Resp: 89341

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9



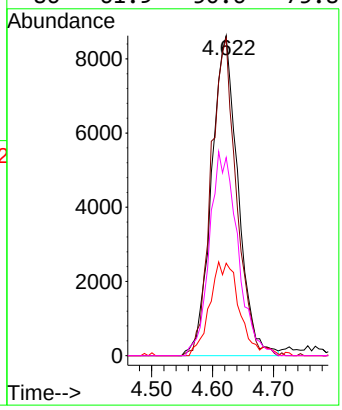


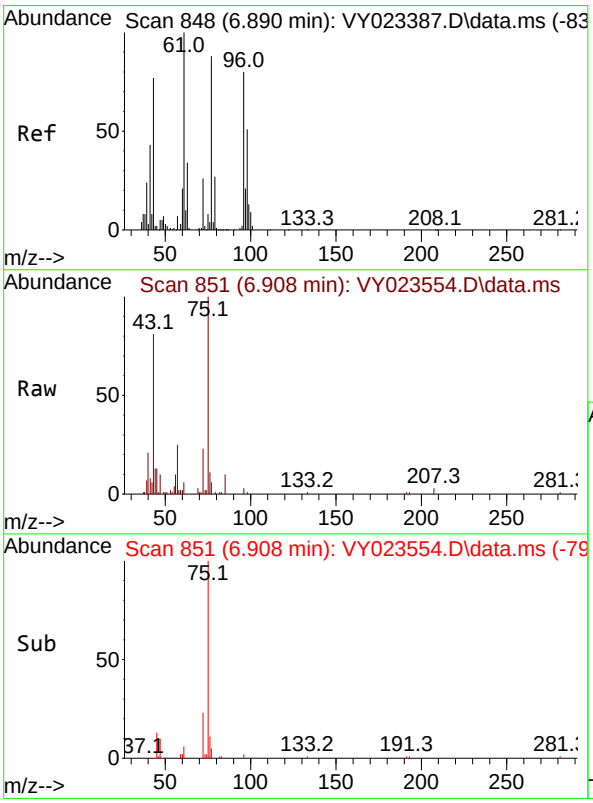
#20
Methylene Chloride
Concen: 2.916 ug/l
RT: 4.622 min Scan# 4
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion: 84 Resp: 25987

Ion	Ratio	Lower	Upper
84	100		
49	99.2	80.2	120.4
51	28.9	25.9	38.9
86	61.9	50.6	75.8

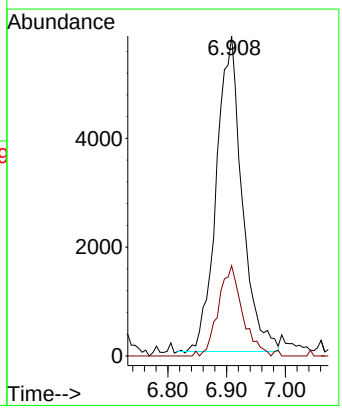


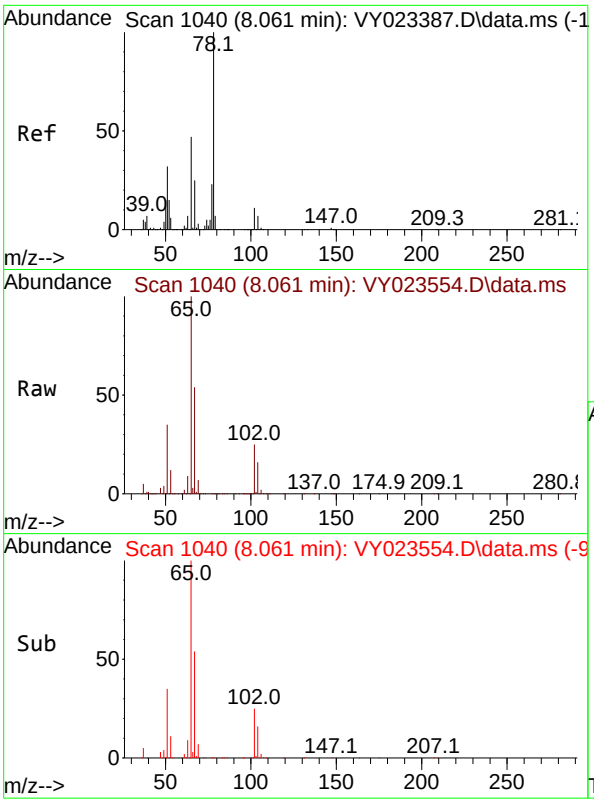


#25
2-Butanone
Concen: 8.762 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion: 43 Resp: 17633

Ion	Ratio	Lower	Upper
43	100		
72	27.4	27.4	41.2



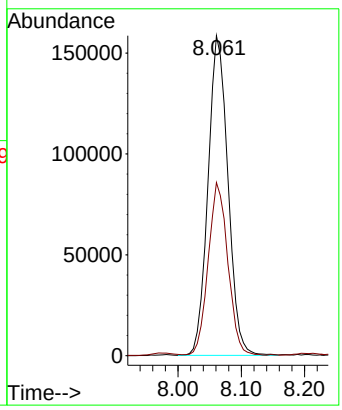


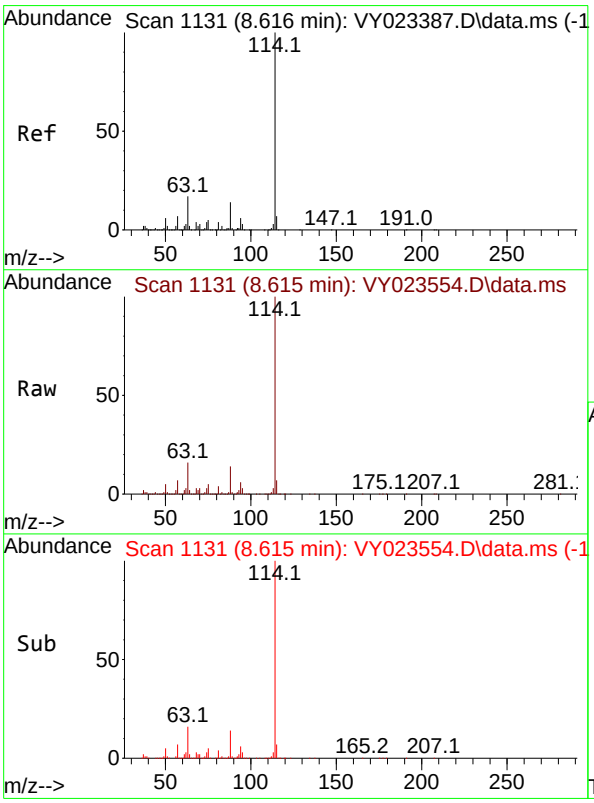
#33
1,2-Dichloroethane-d4
Concen: 50.201 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion: 65 Resp: 347588

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.8

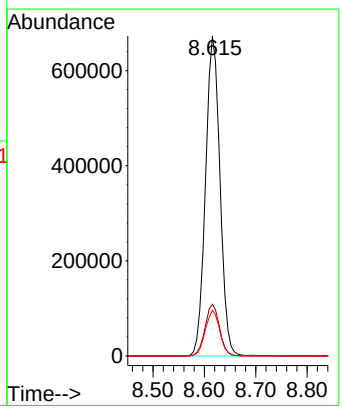


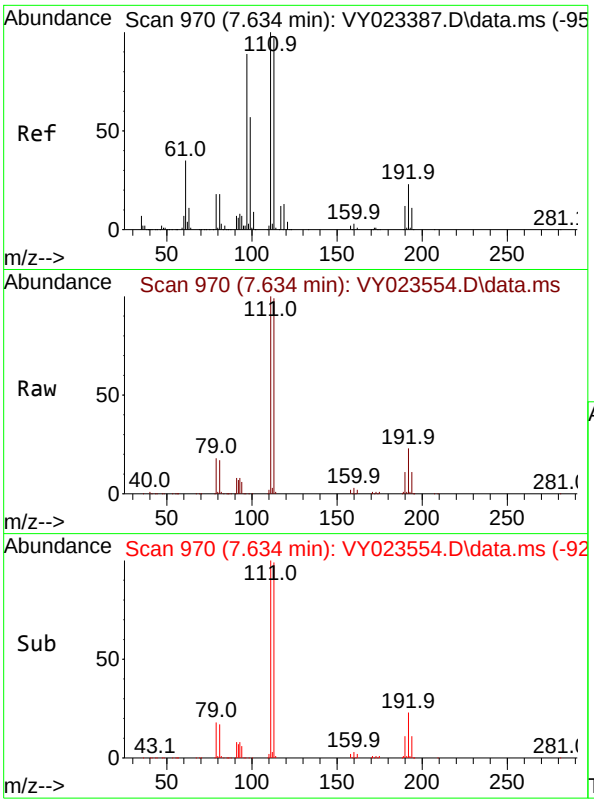


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion:114 Resp: 1318131

Ion	Ratio	Lower	Upper
114	100		
63	16.1	0.0	34.2
88	14.3	0.0	28.4



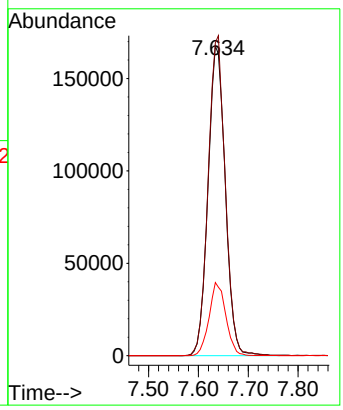


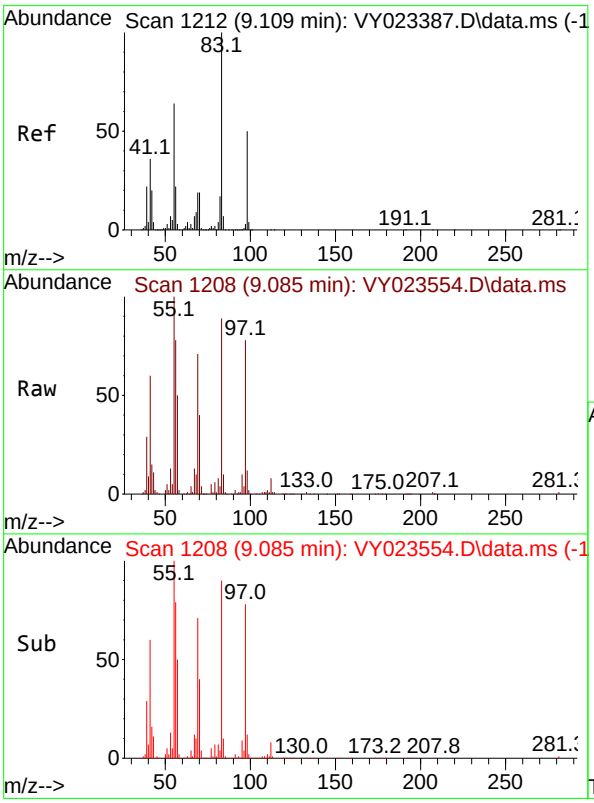
#35
Dibromofluoromethane
Concen: 49.763 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion:113 Resp: 403047

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	23.0	18.0	27.0

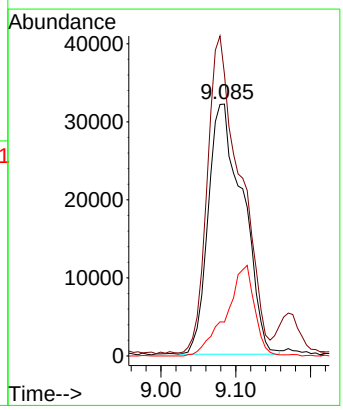


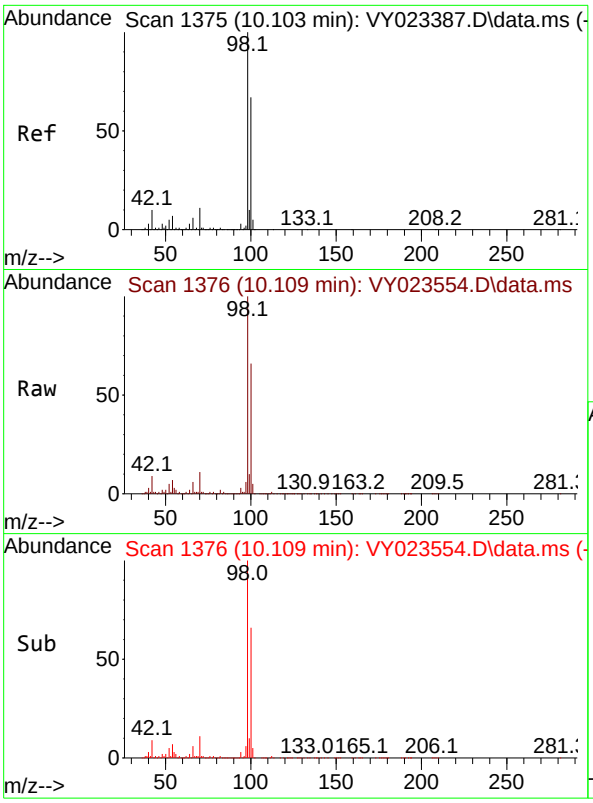


#39
Methylcyclohexane
Concen: 7.441 ug/l
RT: 9.085 min Scan# 1208
Delta R.T. -0.025 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion: 83 Resp: 103880

Ion	Ratio	Lower	Upper
83	100		
55	111.3	51.4	77.2#
98	13.6	40.4	60.6#



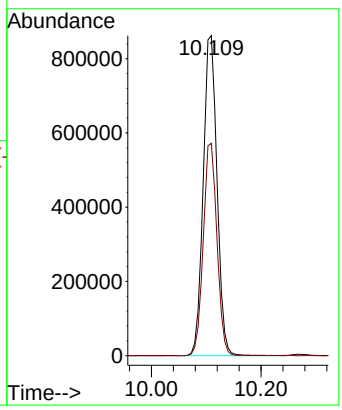


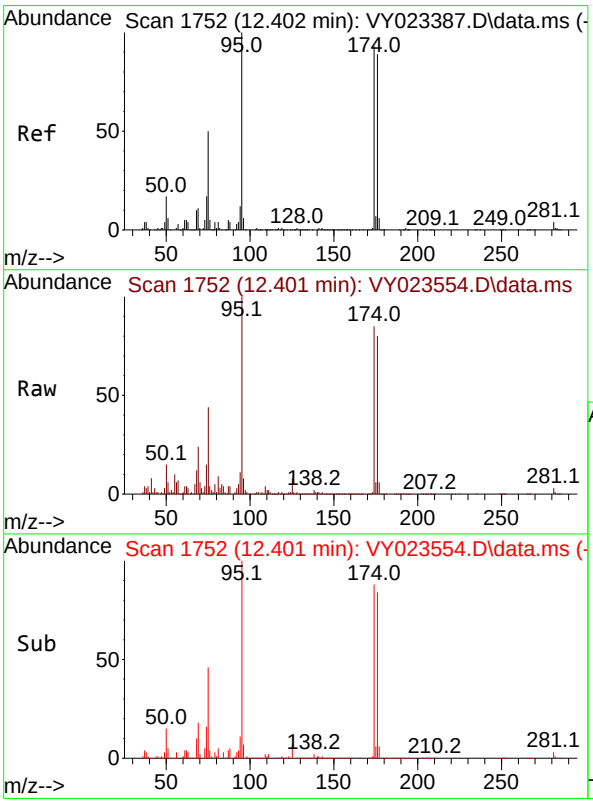
#50
Toluene-d8
Concen: 49.790 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion: 98 Resp: 1501805

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4

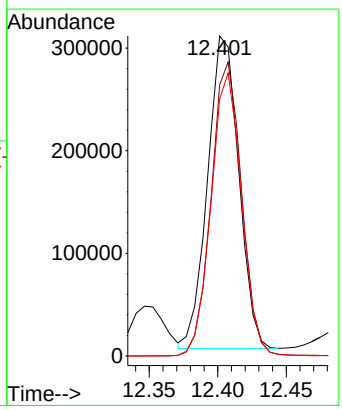


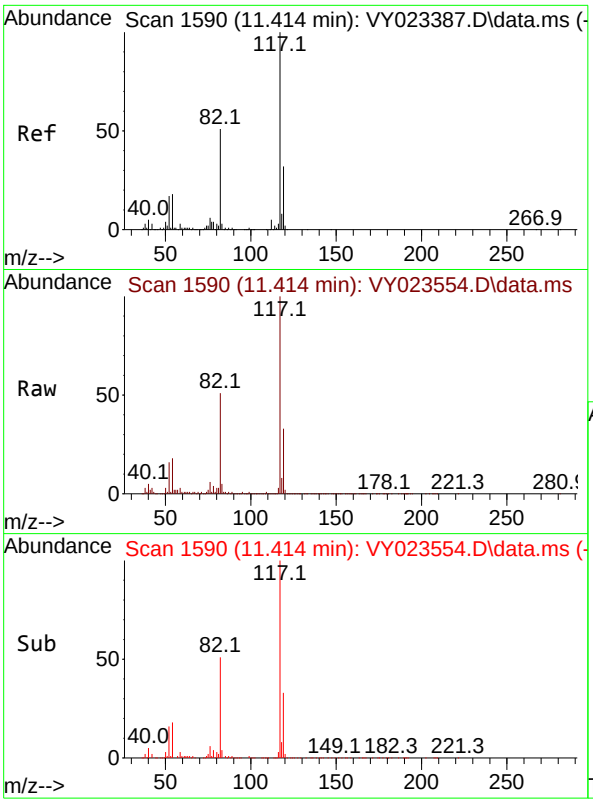


#62
4-Bromofluorobenzene
Concen: 48.324 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion: 95 Resp: 481218

Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	192.8
176	88.9	0.0	187.6



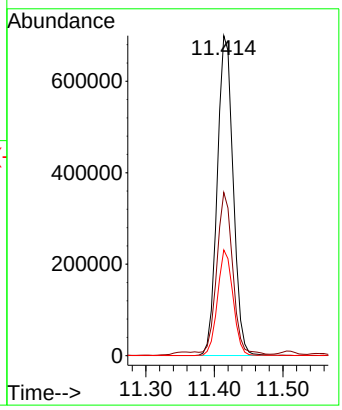


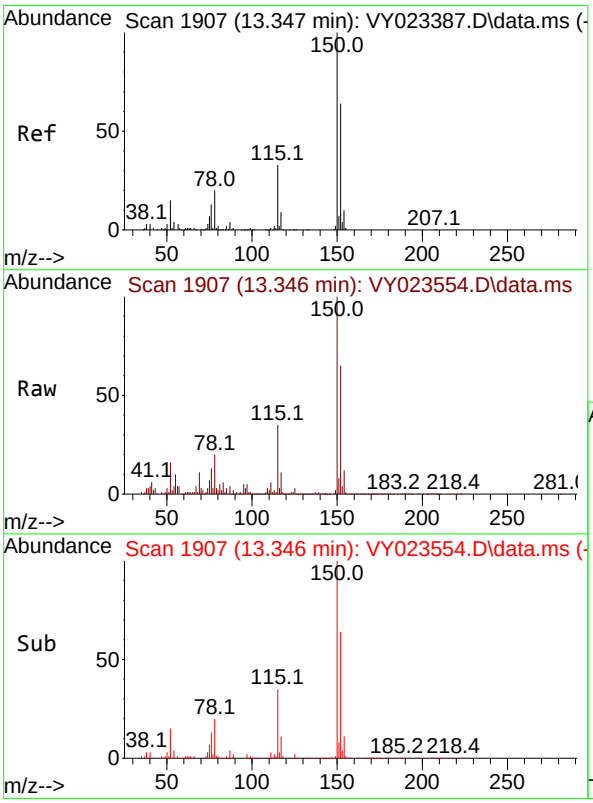
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion:117 Resp: 1124309

Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	33.0	25.6	38.4

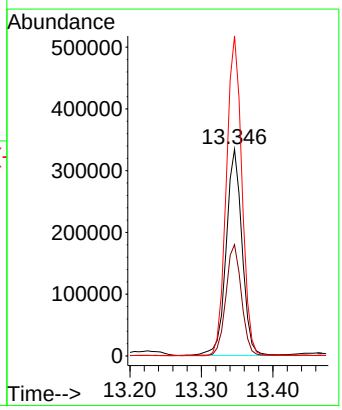




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion:152 Resp: 514846

Ion	Ratio	Lower	Upper
152	100		
115	52.9	27.1	81.2
150	151.7	0.0	347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023554.D
Acq On : 22 Oct 2025 16:22
Operator : SY/MD
Sample : Q3422-01
Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

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: VY023554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.842	179	184	191	rVB	27618	57554	1.35%	0.082%
2	3.872	341	353	360	rBV	33400	105513	2.47%	0.151%
3	4.110	383	392	406	rVB	43389	121103	2.84%	0.173%
4	4.622	463	476	495	rBV4	44435	204128	4.78%	0.291%
5	5.134	548	560	575	rVB2	20341	74775	1.75%	0.107%
6	6.427	761	772	785	rBV3	20967	74022	1.73%	0.106%
7	6.591	788	799	810	rVV4	44241	148098	3.47%	0.211%
8	6.896	838	849	864	rBV4	29264	101429	2.38%	0.145%
9	7.445	929	939	950	rVB3	23521	68350	1.60%	0.098%
10	7.634	957	970	976	rBV	560563	1351333	31.65%	1.928%
11	7.707	976	982	990	rVV	972514	2263658	53.02%	3.229%
12	7.792	990	996	1009	rVV2	138338	364652	8.54%	0.520%
13	7.927	1010	1018	1020	rVV3	27269	60887	1.43%	0.087%
14	7.975	1020	1026	1033	rVV	81952	207528	4.86%	0.296%
15	8.061	1033	1040	1052	rVV	451233	1003291	23.50%	1.431%
16	8.195	1053	1062	1067	rVV3	59586	163470	3.83%	0.233%
17	8.250	1067	1071	1079	rVV2	48170	140340	3.29%	0.200%
18	8.341	1079	1086	1096	rVB	160137	368000	8.62%	0.525%
19	8.615	1122	1131	1144	rBV	1421669	2802430	65.64%	3.998%
20	8.853	1162	1170	1176	rBV2	53577	122136	2.86%	0.174%
21	9.079	1197	1207	1210	rBV2	300496	676642	15.85%	0.965%
22	9.115	1210	1213	1218	rVV	281619	503248	11.79%	0.718%
23	9.170	1218	1222	1230	rVB2	144217	270584	6.34%	0.386%
24	9.390	1248	1258	1265	rBV	317905	701487	16.43%	1.001%
25	9.536	1275	1282	1291	rBV2	199685	399721	9.36%	0.570%
26	9.676	1301	1305	1310	rVV3	62649	127849	2.99%	0.182%
27	9.731	1310	1314	1320	rVB3	69748	142274	3.33%	0.203%
28	9.865	1329	1336	1342	rBV	198479	411805	9.65%	0.587%
29	9.999	1351	1358	1360	rBV2	96061	183855	4.31%	0.262%
30	10.042	1360	1365	1369	rVV2	147918	289919	6.79%	0.414%
31	10.103	1369	1375	1388	rVB	2286547	4269234	100.00%	6.090%
32	10.274	1398	1403	1404	rBV	150106	210376	4.93%	0.300%
33	10.408	1415	1425	1428	rBV	199630	408148	9.56%	0.582%
34	10.444	1428	1431	1438	rVB	257026	442459	10.36%	0.631%
35	10.542	1440	1447	1453	rBV4	195249	514713	12.06%	0.734%
36	10.591	1453	1455	1459	rVB2	71354	95421	2.24%	0.136%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023554.D
Acq On : 22 Oct 2025 16:22
Operator : SY/MD
Sample : Q3422-01
Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

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	10.640	1459	1463	1467	rVB3	82489	125514	2.94%	0.179%
38	10.688	1467	1471	1473	rBV	56611	87135	2.04%	0.124%
39	10.731	1473	1478	1484	rVB	266964	447459	10.48%	0.638%
40	10.829	1485	1494	1502	rBV	281347	745114	17.45%	1.063%
41	10.902	1502	1506	1508	rBV	144535	219185	5.13%	0.313%
42	10.963	1514	1516	1519	rVB	51106	53500	1.25%	0.076%
43	11.017	1519	1525	1530	rBV	557986	997349	23.36%	1.423%
44	11.072	1530	1534	1538	rVB2	209243	291832	6.84%	0.416%
45	11.121	1538	1542	1547	rVB3	170253	298478	6.99%	0.426%
46	11.176	1547	1551	1554	rBV	67329	99957	2.34%	0.143%
47	11.225	1554	1559	1568	rVB	350610	746081	17.48%	1.064%
48	11.310	1568	1573	1574	rBV	65812	92726	2.17%	0.132%
49	11.341	1575	1578	1582	rVB4	69744	95811	2.24%	0.137%
50	11.414	1584	1590	1600	rBV	2019875	3366909	78.86%	4.803%
51	11.493	1600	1603	1608	rVB3	50121	82786	1.94%	0.118%
52	11.554	1608	1613	1617	rBV	178425	278957	6.53%	0.398%
53	11.609	1617	1622	1626	rBV2	336740	666664	15.62%	0.951%
54	11.664	1626	1631	1635	rBV2	241338	452176	10.59%	0.645%
55	11.767	1643	1648	1651	rBV2	218125	408550	9.57%	0.583%
56	11.816	1651	1656	1660	rVV5	177841	405790	9.50%	0.579%
57	11.865	1660	1664	1667	rVV2	186354	247330	5.79%	0.353%
58	11.926	1667	1674	1681	rVV4	739338	1951113	45.70%	2.783%
59	11.981	1681	1683	1686	rVV2	212476	313988	7.35%	0.448%
60	12.017	1686	1689	1691	rVV2	281455	447310	10.48%	0.638%
61	12.048	1691	1694	1698	rVB	652009	855618	20.04%	1.221%
62	12.090	1698	1701	1702	rBV	129477	153392	3.59%	0.219%
63	12.127	1702	1707	1709	rVV3	769749	1329477	31.14%	1.897%
64	12.158	1709	1712	1717	rVB	870085	1352561	31.68%	1.929%
65	12.243	1717	1726	1731	rBV8	429653	1234319	28.91%	1.761%
66	12.304	1733	1736	1740	rVB4	194621	345895	8.10%	0.493%
67	12.407	1747	1753	1758	rVB	1733228	2806834	65.75%	4.004%
68	12.499	1758	1768	1771	rBV5	524655	1383492	32.41%	1.974%
69	12.566	1775	1779	1786	rVB3	878453	1662162	38.93%	2.371%
70	12.651	1786	1793	1800	rBV5	754334	2196450	51.45%	3.133%
71	12.731	1800	1806	1810	rBV5	540016	1444009	33.82%	2.060%
72	12.871	1821	1829	1833	rBV3	641033	1619594	37.94%	2.310%
73	12.920	1833	1837	1841	rVV3	683507	1280206	29.99%	1.826%
74	12.962	1841	1844	1853	rVB5	987477	1883465	44.12%	2.687%
75	13.090	1861	1865	1872	rBV6	436222	893490	20.93%	1.275%
76	13.212	1882	1885	1892	rVV4	401800	852707	19.97%	1.216%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023554.D
Acq On : 22 Oct 2025 16:22
Operator : SY/MD
Sample : Q3422-01
Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

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

77	13.273	1892	1895	1900	rVV3	351280	502034	11.76%	0.716%
78	13.346	1901	1907	1915	rVB	1820798	3287815	77.01%	4.690%
79	13.487	1926	1930	1934	rVB3	432016	638202	14.95%	0.910%
80	13.548	1934	1940	1945	rVB	725601	1491459	34.94%	2.128%
81	13.663	1954	1959	1965	rBV5	877458	1527046	35.77%	2.178%
82	13.883	1993	1995	2001	rVB5	485144	675813	15.83%	0.964%
83	13.993	2010	2013	2017	rVB5	194078	275272	6.45%	0.393%
84	14.060	2019	2024	2030	rVB5	310294	667959	15.65%	0.953%
85	14.114	2030	2033	2038	rBV5	164429	284756	6.67%	0.406%
86	14.175	2038	2043	2058	rVB5	790333	2055735	48.15%	2.933%
87	14.340	2066	2070	2074	rVB2	588085	797227	18.67%	1.137%
88	14.535	2099	2102	2107	rVV6	150003	213420	5.00%	0.304%
89	14.602	2108	2113	2117	rVV4	346965	670607	15.71%	0.957%
90	14.645	2117	2120	2127	rVB3	595125	942628	22.08%	1.345%
91	14.761	2137	2139	2142	rBV2	132096	180119	4.22%	0.257%
92	14.858	2152	2155	2158	rVB3	311902	416282	9.75%	0.594%
93	15.120	2195	2198	2204	rBV3	251206	383669	8.99%	0.547%
94	15.504	2257	2261	2266	rVB3	318278	565831	13.25%	0.807%
95	16.047	2346	2350	2356	rVB4	222274	371641	8.71%	0.530%
96	16.364	2397	2402	2408	rVB2	236073	486749	11.40%	0.694%

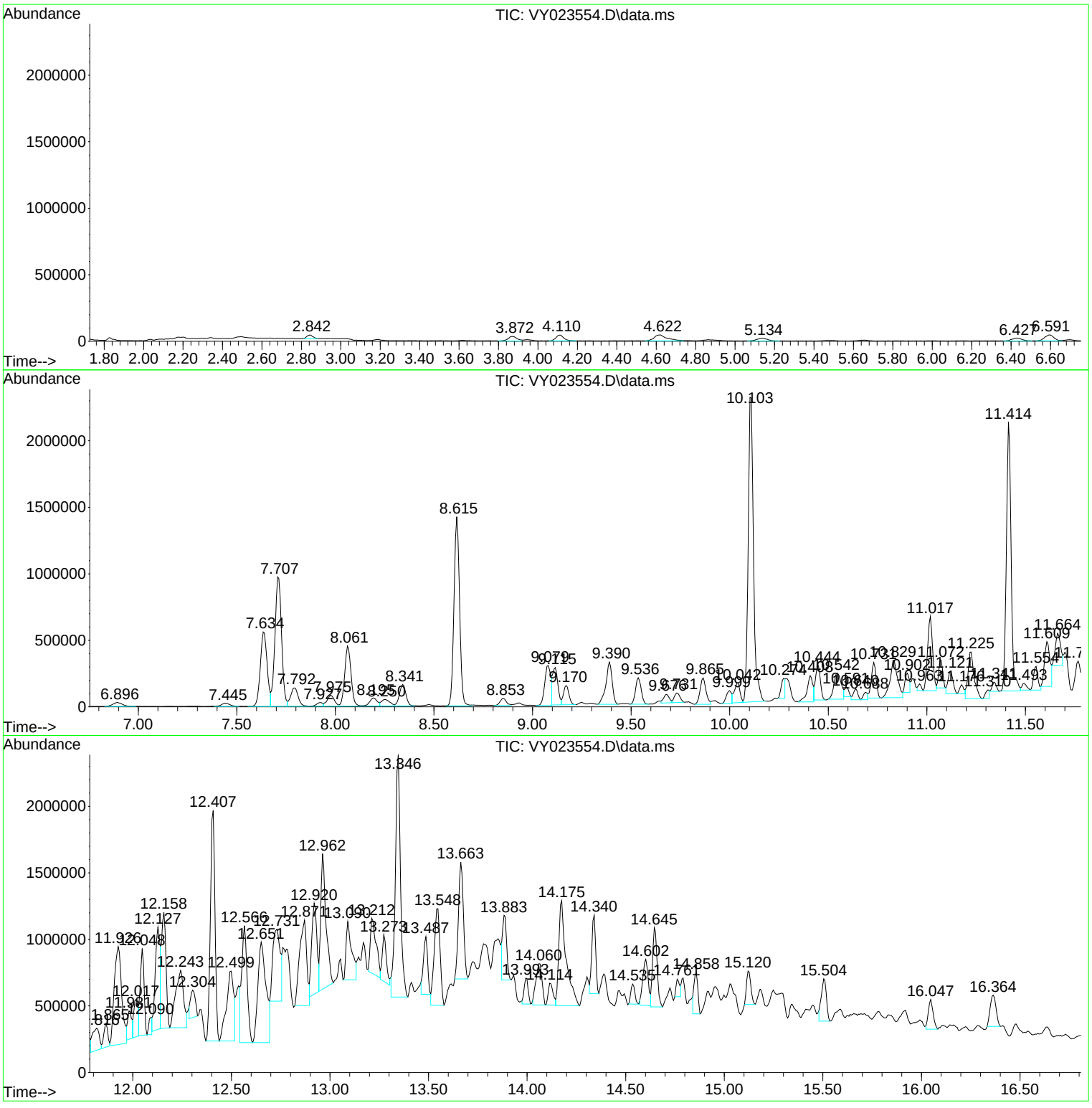
Sum of corrected areas: 70100081

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023554.D
Acq On : 22 Oct 2025 16:22
Operator : SY/MD
Sample : Q3422-01
Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023554.D
Acq On : 22 Oct 2025 16:22
Operator : SY/MD
Sample : Q3422-01
Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

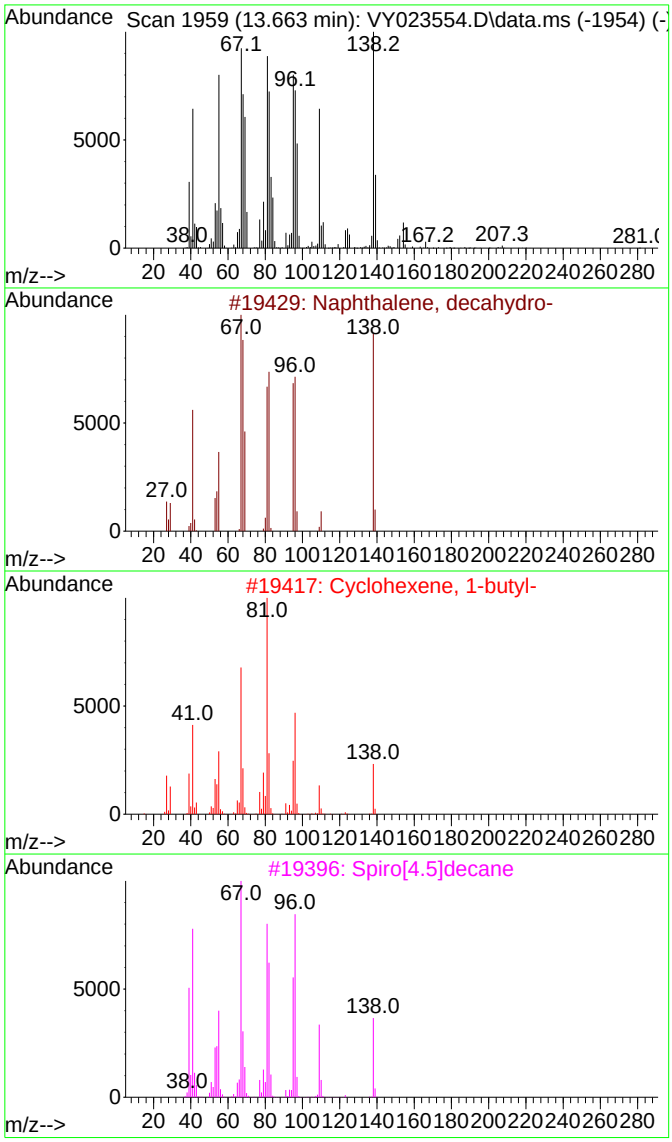
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Quant Title : SW846 8260

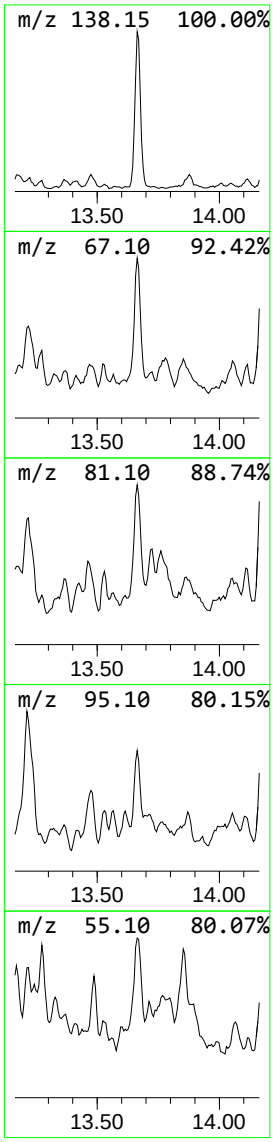
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, decahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.663	23.22 ug/l	1527050	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	91
2	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	91
3	Spiro[4.5]decane	138	C10H18	000176-63-6	74
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	70
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023554.D
Acq On : 22 Oct 2025 16:22
Operator : SY/MD
Sample : Q3422-01
Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

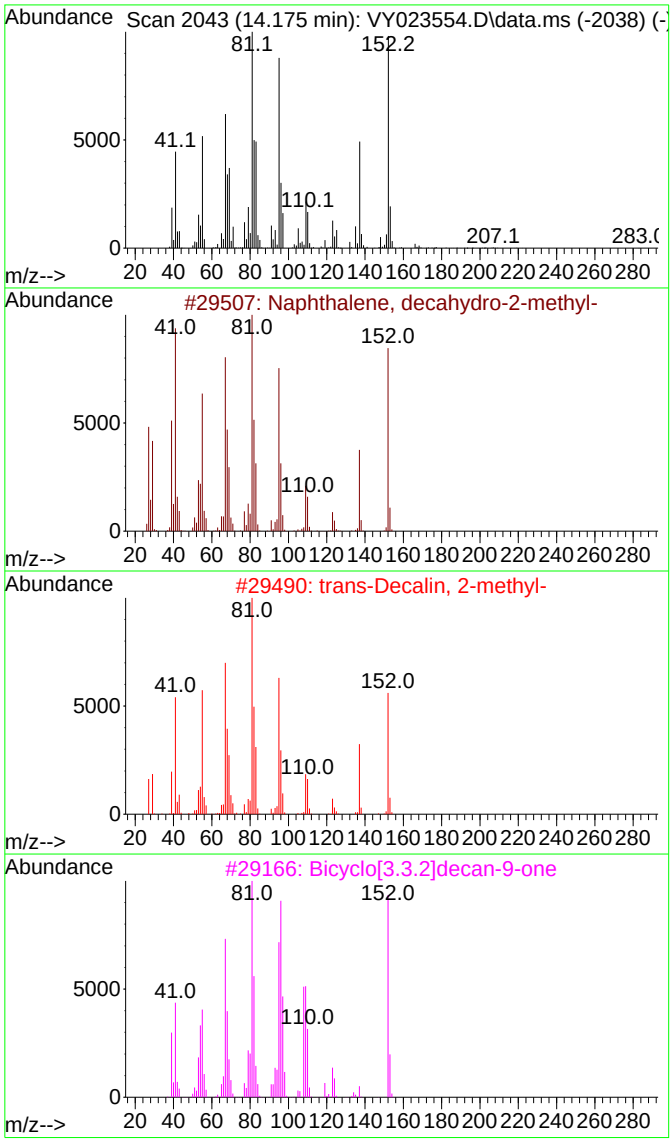
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

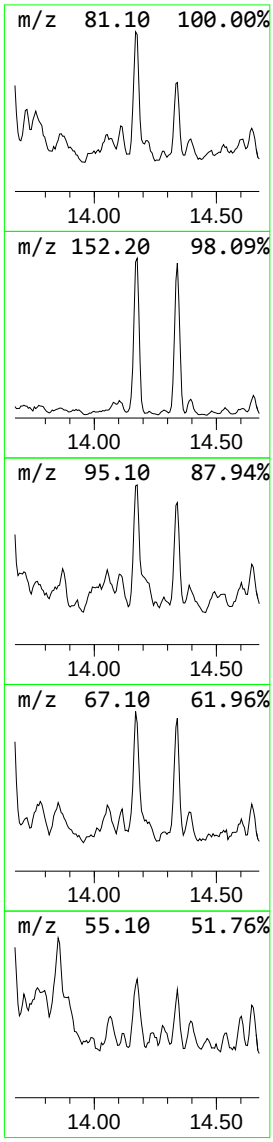
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	31.26 ug/l	2055740	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
3	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	70
4	Bicyclo[3.3.1]nonane-2,7-dione	152	C9H12O2	1000210-30-3	60
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023554.D
Acq On : 22 Oct 2025 16:22
Operator : SY/MD
Sample : Q3422-01
Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

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
Naphthalene, de...	13.663	23.2	ug/l	1527050	4	13.346	3287820	50.0
Naphthalene, de...	14.176	31.3	ug/l	2055740	4	13.346	3287820	50.0

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-FB2-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-02	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	1.00	U	1	0.22	1.00	ug/L	11/03/25 15:41	VX110325
74-87-3	Chloromethane	1.00	U	1	0.32	1.00	ug/L	11/03/25 15:41	VX110325
75-01-4	Vinyl Chloride	1.00	U	1	0.26	1.00	ug/L	11/03/25 15:41	VX110325
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/03/25 15:41	VX110325
75-00-3	Chloroethane	1.00	U	1	0.47	1.00	ug/L	11/03/25 15:41	VX110325
75-69-4	Trichlorofluoromethane	1.00	U	1	0.33	1.00	ug/L	11/03/25 15:41	VX110325
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	0.25	1.00	ug/L	11/03/25 15:41	VX110325
75-35-4	1,1-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 15:41	VX110325
67-64-1	Acetone	5.00	U	1	1.50	5.00	ug/L	11/03/25 15:41	VX110325
75-15-0	Carbon Disulfide	1.00	U	1	0.21	1.00	ug/L	11/03/25 15:41	VX110325
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
79-20-9	Methyl Acetate	1.00	U	1	0.27	1.00	ug/L	11/03/25 15:41	VX110325
75-09-2	Methylene Chloride	1.00	U	1	0.28	1.00	ug/L	11/03/25 15:41	VX110325
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 15:41	VX110325
75-34-3	1,1-Dichloroethane	1.00	U	1	0.23	1.00	ug/L	11/03/25 15:41	VX110325
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/03/25 15:41	VX110325
78-93-3	2-Butanone	5.00	U	1	0.98	5.00	ug/L	11/03/25 15:41	VX110325
56-23-5	Carbon Tetrachloride	1.00	U	1	0.25	1.00	ug/L	11/03/25 15:41	VX110325
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	0.19	1.00	ug/L	11/03/25 15:41	VX110325
74-97-5	Bromochloromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 15:41	VX110325
67-66-3	Chloroform	1.00	U	1	0.25	1.00	ug/L	11/03/25 15:41	VX110325
71-55-6	1,1,1-Trichloroethane	1.00	U	1	0.20	1.00	ug/L	11/03/25 15:41	VX110325
108-87-2	Methylcyclohexane	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
71-43-2	Benzene	1.00	UQ	1	0.15	1.00	ug/L	11/03/25 15:41	VX110325
107-06-2	1,2-Dichloroethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 15:41	VX110325
79-01-6	Trichloroethene	1.00	U	1	0.090	1.00	ug/L	11/03/25 15:41	VX110325
78-87-5	1,2-Dichloropropane	1.00	U	1	0.20	1.00	ug/L	11/03/25 15:41	VX110325
75-27-4	Bromodichloromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 15:41	VX110325
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	0.68	5.00	ug/L	11/03/25 15:41	VX110325
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	11/03/25 15:41	VX110325
10061-02-6	t-1,3-Dichloropropene	1.00	U	1	0.17	1.00	ug/L	11/03/25 15:41	VX110325
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
79-00-5	1,1,2-Trichloroethane	1.00	U	1	0.21	1.00	ug/L	11/03/25 15:41	VX110325
591-78-6	2-Hexanone	5.00	U	1	0.89	5.00	ug/L	11/03/25 15:41	VX110325
124-48-1	Dibromochloromethane	1.00	U	1	0.18	1.00	ug/L	11/03/25 15:41	VX110325
106-93-4	1,2-Dibromoethane	1.00	U	1	0.15	1.00	ug/L	11/03/25 15:41	VX110325
127-18-4	Tetrachloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 15:41	VX110325
108-90-7	Chlorobenzene	1.00	U	1	0.12	1.00	ug/L	11/03/25 15:41	VX110325
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	11/03/25 15:41	VX110325
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	11/03/25 15:41	VX110325
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	11/03/25 15:41	VX110325
100-42-5	Styrene	1.00	U	1	0.15	1.00	ug/L	11/03/25 15:41	VX110325
75-25-2	Bromoform	1.00	U	1	0.19	1.00	ug/L	11/03/25 15:41	VX110325

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-FB2-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-02	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	1.00	U	1	0.12	1.00	ug/L	11/03/25 15:41	VX110325
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	0.26	1.00	ug/L	11/03/25 15:41	VX110325
541-73-1	1,3-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
106-46-7	1,4-Dichlorobenzene	1.00	U	1	0.19	1.00	ug/L	11/03/25 15:41	VX110325
95-50-1	1,2-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/03/25 15:41	VX110325
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	1	0.53	1.00	ug/L	11/03/25 15:41	VX110325
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/03/25 15:41	VX110325
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/03/25 15:41	VX110325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.2			74 - 125	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.5			75 - 124	95%	SPK: 50		
2037-26-5	Toluene-d8	45.2			86 - 113	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.1			77 - 121	96%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	135000							
540-36-3	1,4-Difluorobenzene	239000							
3114-55-4	Chlorobenzene-d5	217000							
3855-82-1	1,4-Dichlorobenzene-d4	107000							

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048458.D
Acq On : 03 Nov 2025 15:41
Operator : JC/MD
Sample : Q3422-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Quant Time: Nov 04 00:15:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

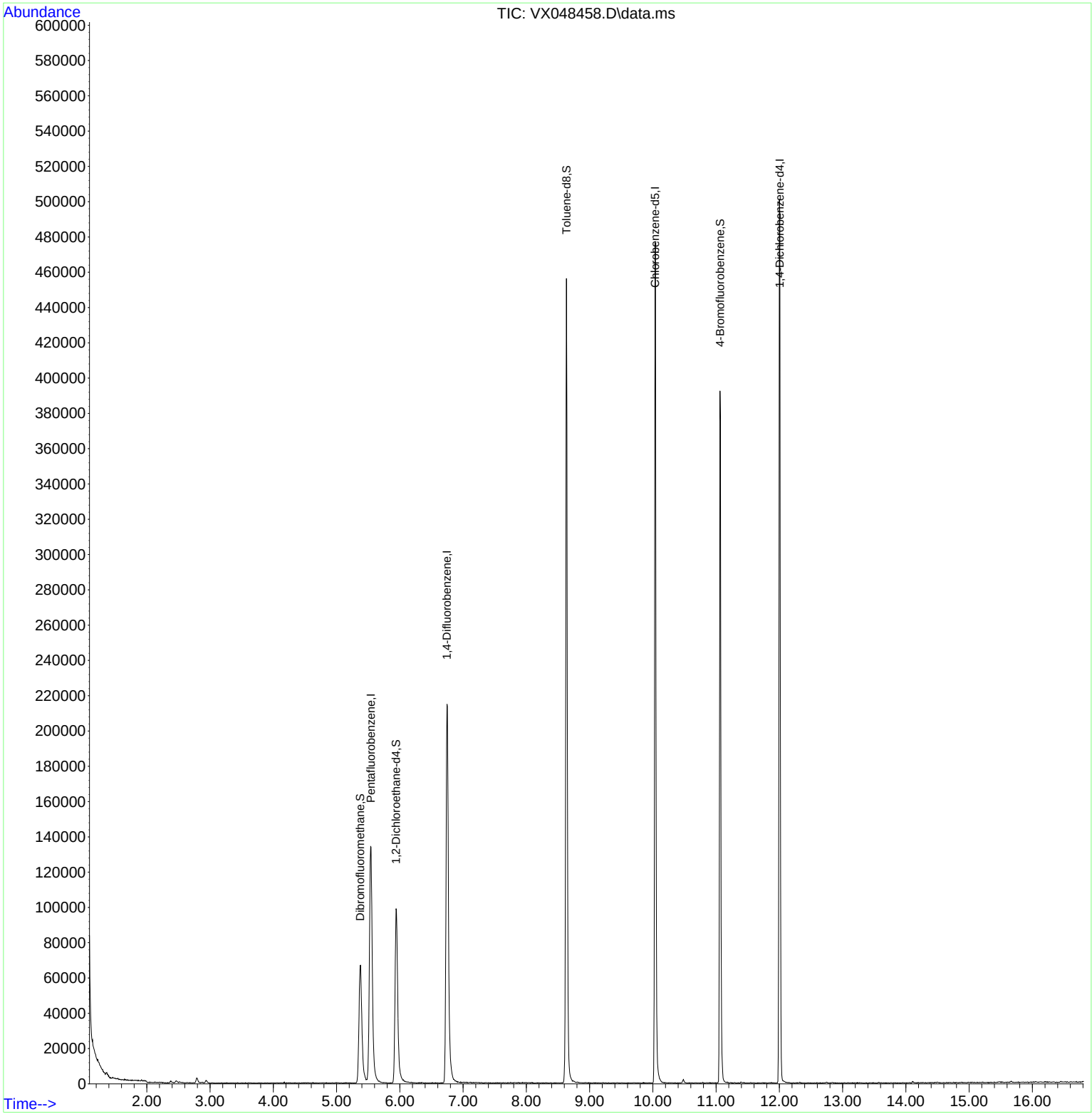
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	239042	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	216803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	112631	58.219	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.440%			
35) Dibromofluoromethane	5.373	113	64704	47.476	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.960%			
50) Toluene-d8	8.635	98	272189	45.244	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.480%#			
62) 4-Bromofluorobenzene	11.061	95	108248	48.100	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.200%			
Target Compounds						Qvalue

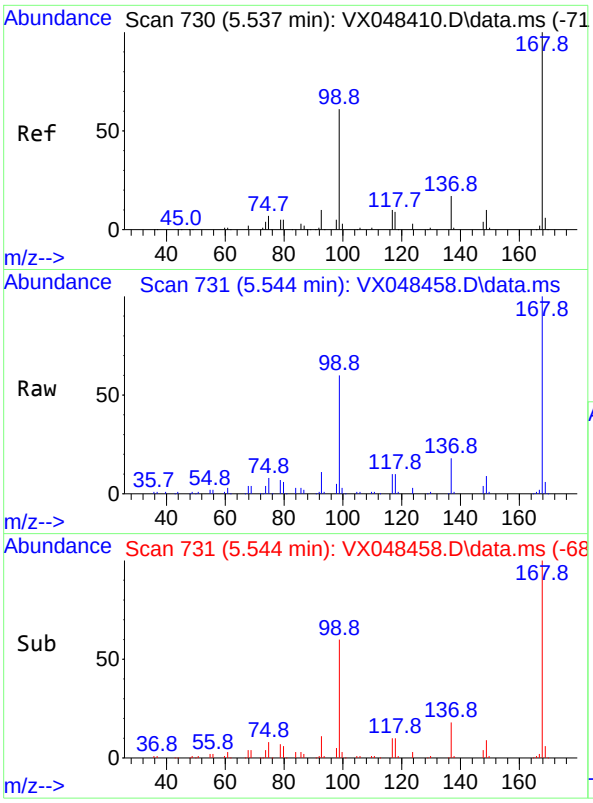
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048458.D
Acq On : 03 Nov 2025 15:41
Operator : JC/MD
Sample : Q3422-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Quant Time: Nov 04 00:15:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration



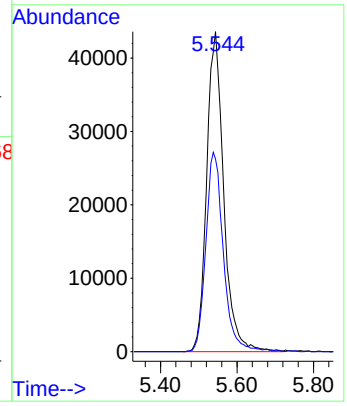


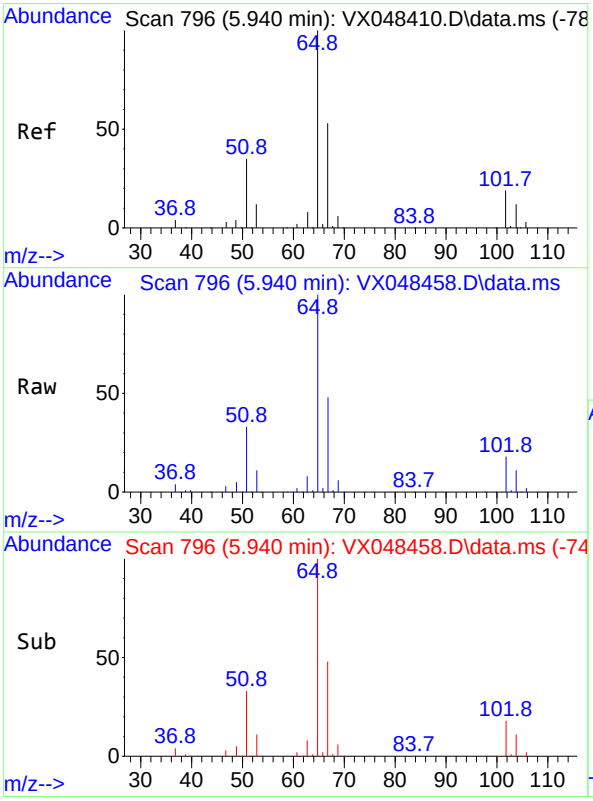
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Tgt Ion:168 Resp: 134520

Ion	Ratio	Lower	Upper
168	100		
99	60.2	46.4	69.6

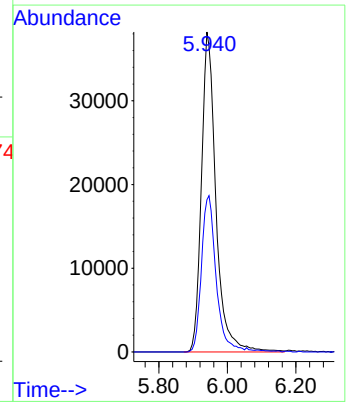


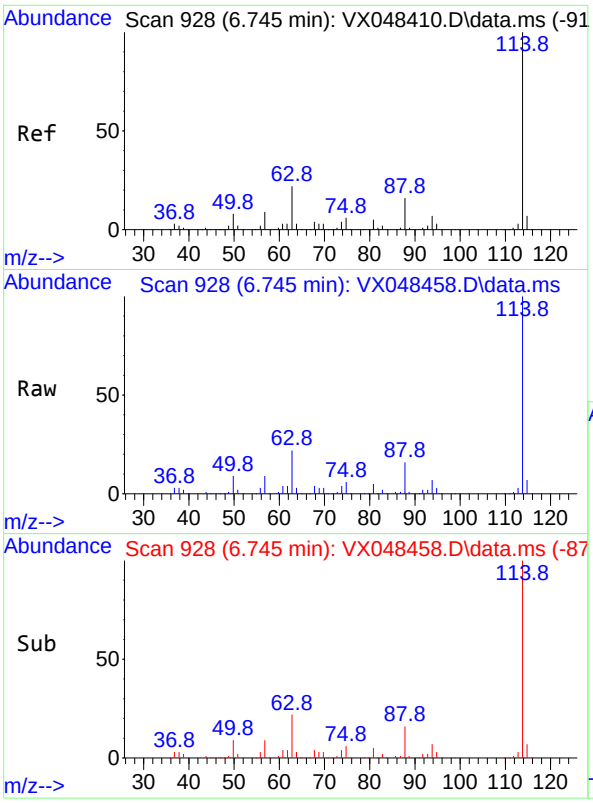


#33
1,2-Dichloroethane-d4
Concen: 58.219 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Tgt Ion: 65 Resp: 112631

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	105.0



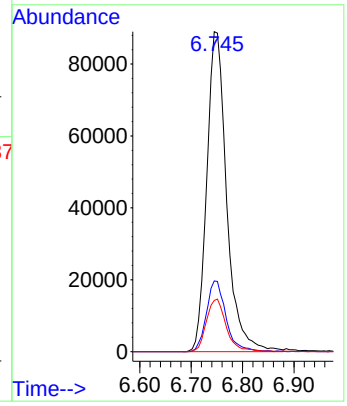


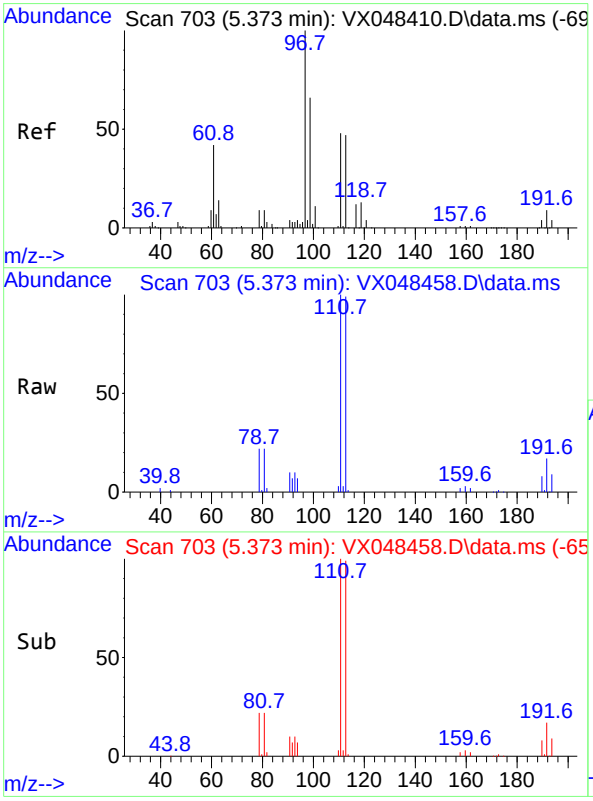
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Tgt Ion:114 Resp: 239042

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.0	0.0	33.6

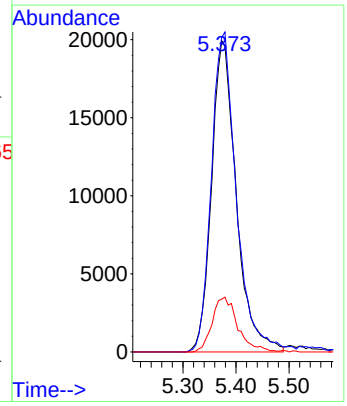


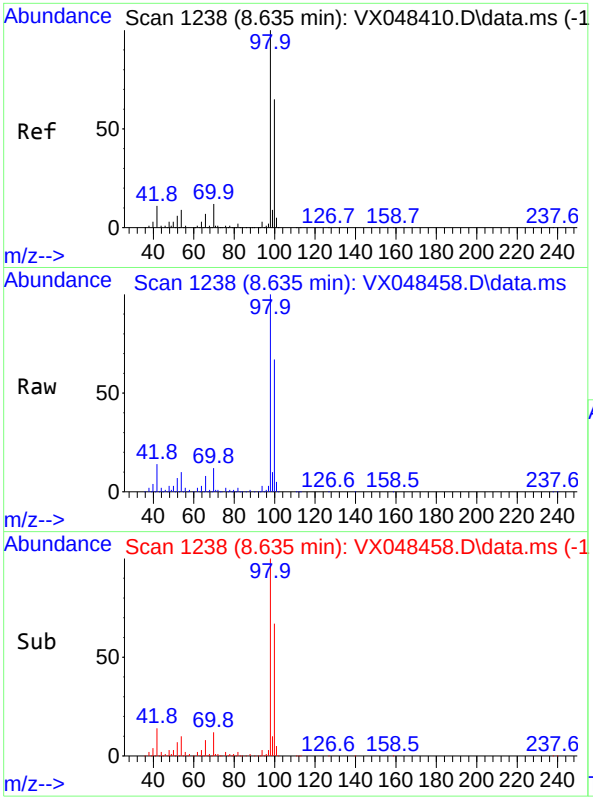


#35
Dibromofluoromethane
Concen: 47.476 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Tgt Ion:113 Resp: 64704

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.2	123.4
192	18.1	15.1	22.7



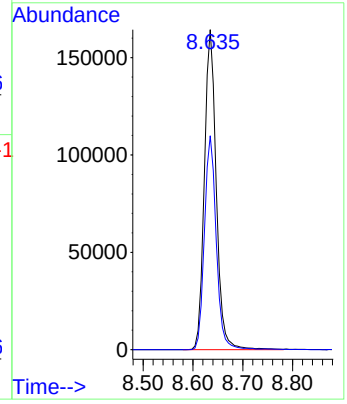


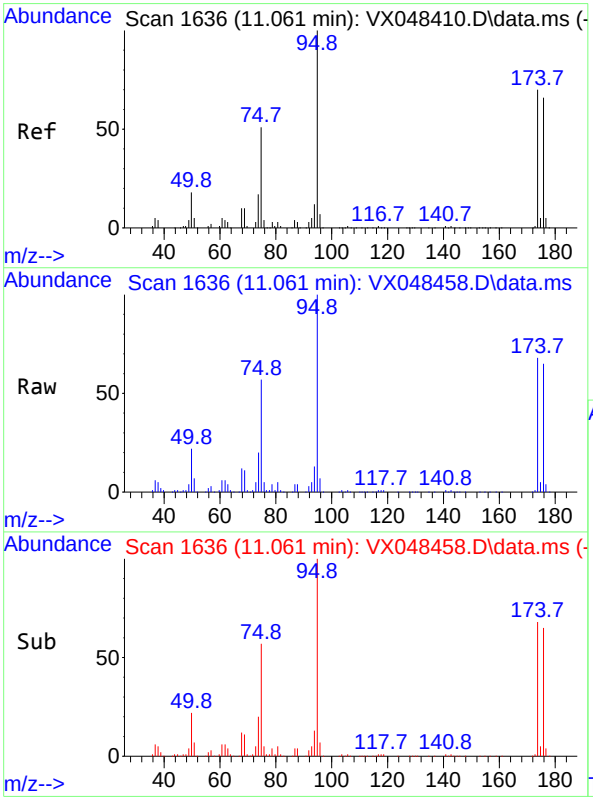
#50
Toluene-d8
Concen: 45.244 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Tgt Ion: 98 Resp: 272189

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

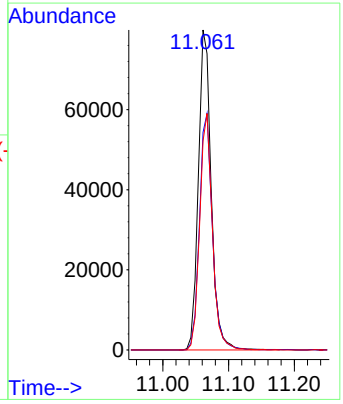


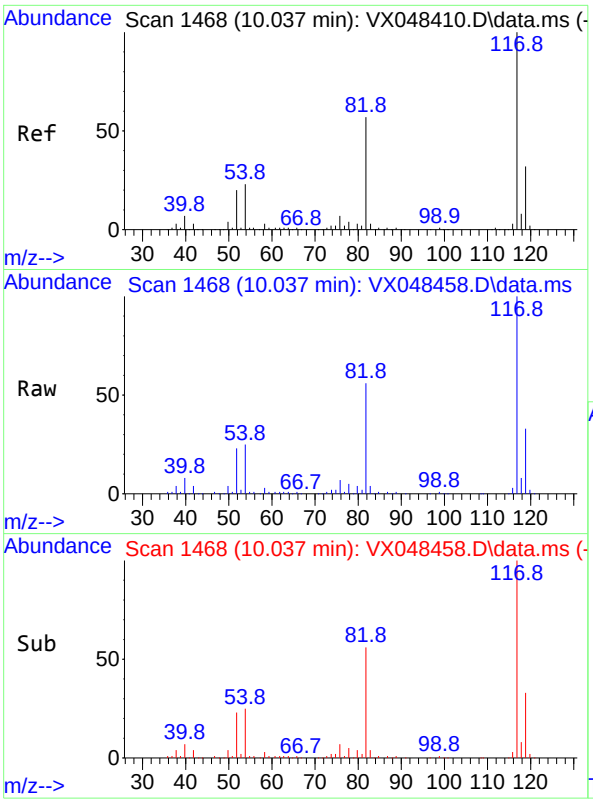


#62
4-Bromofluorobenzene
Concen: 48.100 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Tgt Ion: 95 Resp: 108248

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	147.8
176	73.0	0.0	142.8



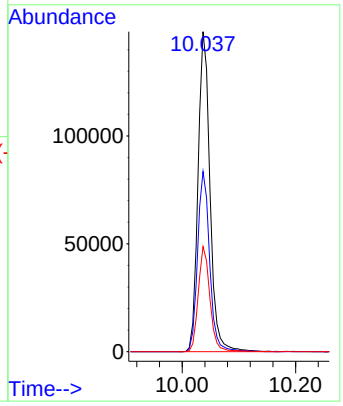


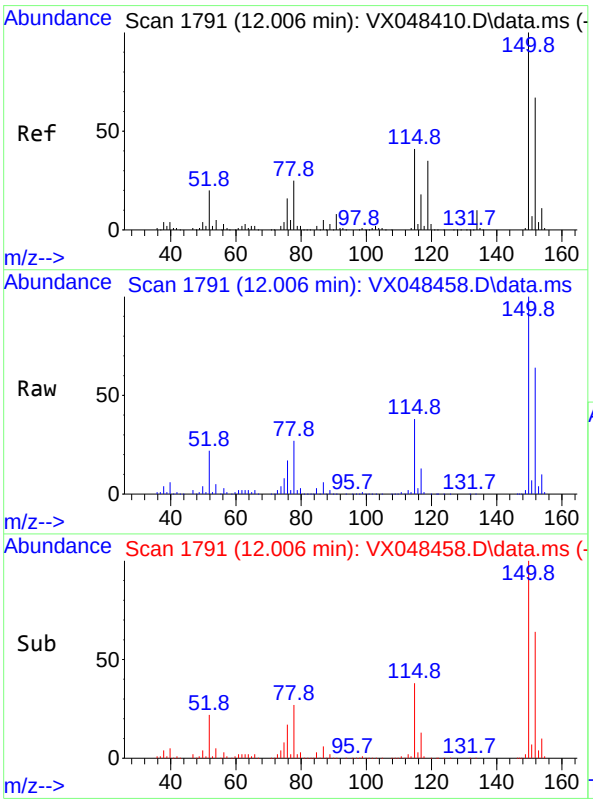
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Tgt Ion:117 Resp: 216803

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.5	69.7
119	32.9	25.9	38.9

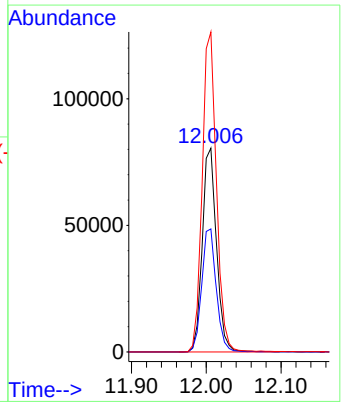




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Tgt Ion:152 Resp: 106541

Ion	Ratio	Lower	Upper
152	100		
115	61.8	43.1	129.4
150	157.0	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048458.D
Acq On : 03 Nov 2025 15:41
Operator : JC/MD
Sample : Q3422-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Title : SW846 8260

Signal : TIC: VX048458.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.379	692	704	718	rBV3	66683	216819	28.43%	5.185%
2	5.538	720	730	751	rVB2	133228	419146	54.96%	10.023%
3	5.940	787	796	814	rBV	98755	290521	38.09%	6.947%
4	6.745	917	928	949	rBV	214610	576505	75.59%	13.786%
5	8.635	1230	1238	1253	rBV	455727	762670	100.00%	18.238%
6	10.037	1462	1468	1490	rBV	476133	693728	90.96%	16.589%
7	11.061	1631	1636	1653	rBV	392111	542967	71.19%	12.984%
8	12.000	1785	1790	1806	rBV	500902	679464	89.09%	16.248%

Sum of corrected areas: 4181820

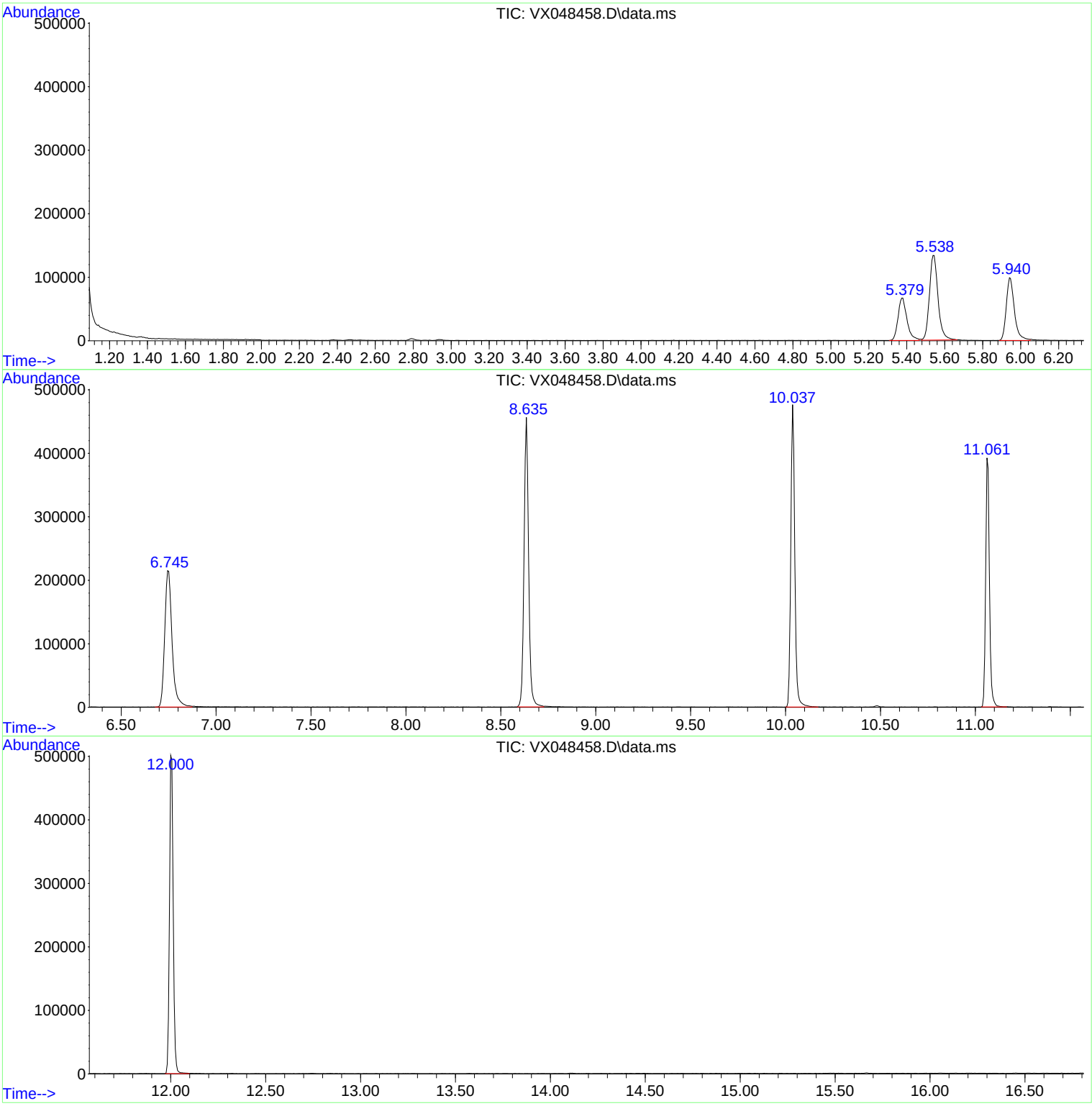
Sample Results: **VX048458.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048458.D
Acq On : 03 Nov 2025 15:41
Operator : JC/MD
Sample : Q3422-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048458.D
Acq On : 03 Nov 2025 15:41
Operator : JC/MD
Sample : Q3422-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048458.D
Acq On : 03 Nov 2025 15:41
Operator : JC/MD
Sample : Q3422-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.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

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.: Q3422

Instrument ID: MSVOA_X Calibration Date(s): 10/29/2025 10/29/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:12 13:03

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

LAB FILE ID: RRF001 = VX048407.D RRF005 = VX048408.D RRF020 = VX048409.D
RRF050 = VX048410.D RRF100 = VX048411.D RRF150 = VX048412.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.488	0.487	0.477	0.539	0.504	0.565	0.510	6.8
Chloromethane	0.366	0.263	0.275	0.271	0.274	0.277	0.288	13.5
Vinyl Chloride	0.639	0.647	0.642	0.666	0.677	0.718	0.665	4.5
Bromomethane		0.254	0.257	0.242	0.237	0.210	0.240	7.8
Chloroethane	0.405	0.394	0.382	0.391	0.398	0.402	0.395	2.1
Trichlorofluoromethane	0.984	1.004	0.981	1.036	1.006	1.100	1.019	4.4
1,1,2-Trichlorotrifluoroethane	0.542	0.569	0.546	0.589	0.565	0.626	0.573	5.4
1,1-Dichloroethene	0.573	0.559	0.559	0.581	0.591	0.628	0.582	4.4
Acetone	0.176	0.136	0.156	0.159	0.176	0.175	0.163	9.8
Carbon Disulfide	1.871	1.692	1.629	1.676	1.568	1.577	1.669	6.7
Methyl tert-butyl Ether	1.967	1.753	1.815	1.763	1.975	1.908	1.864	5.4
Methyl Acetate	0.578	0.474	0.488	0.494	0.612	0.625	0.545	12.4
Methylene Chloride	0.660	0.613	0.619	0.598	0.651	0.628	0.628	3.7
trans-1,2-Dichloroethene	0.614	0.604	0.610	0.606	0.632	0.643	0.618	2.5
1,1-Dichloroethane	1.130	1.140	1.127	1.106	1.190	1.176	1.145	2.8
Cyclohexane		0.962	0.968	1.011	0.964	1.063	0.994	4.4
2-Butanone	0.257	0.225	0.261	0.257	0.287	0.275	0.260	8.1
Carbon Tetrachloride	0.578	0.562	0.528	0.559	0.517	0.572	0.553	4.4
cis-1,2-Dichloroethene	0.756	0.717	0.709	0.712	0.771	0.761	0.738	3.8
Bromochloromethane	0.465	0.513	0.556	0.513	0.519	0.546	0.519	6.2
Chloroform	1.200	1.176	1.167	1.131	1.212	1.180	1.178	2.4
1,1,1-Trichloroethane	1.030	1.024	1.013	1.030	1.057	1.084	1.040	2.5
Methylcyclohexane	0.578	0.604	0.565	0.665	0.585	0.696	0.616	8.5
Benzene	1.397	1.464	1.457	1.472	1.461	1.524	1.462	2.8
1,2-Dichloroethane	0.521	0.520	0.519	0.501	0.514	0.515	0.515	1.5
Trichloroethene	0.365	0.399	0.368	0.381	0.379	0.406	0.383	4.3
1,2-Dichloropropane	0.367	0.357	0.359	0.362	0.369	0.377	0.365	2
Bromodichloromethane	0.542	0.553	0.536	0.538	0.542	0.550	0.543	1.2
4-Methyl-2-Pentanone	0.366	0.355	0.373	0.375	0.391	0.388	0.375	3.5
Toluene	0.864	0.918	0.902	0.931	0.914	0.955	0.914	3.3

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

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.: Q3422

Instrument ID: MSVOA_X Calibration Date(s): 10/29/2025 10/29/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:12 13:03

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

LAB FILE ID: RRF001 = VX048407.D RRF005 = VX048408.D RRF020 = VX048409.D
RRF050 = VX048410.D RRF100 = VX048411.D RRF150 = VX048412.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.463	0.491	0.510	0.496	0.501	0.493	0.492	3.2
cis-1,3-Dichloropropene	0.549	0.525	0.558	0.524	0.522	0.506	0.531	3.7
1,1,2-Trichloroethane	0.329	0.330	0.332	0.326	0.333	0.334	0.331	1
2-Hexanone	0.219	0.217	0.248	0.251	0.264	0.263	0.244	8.6
Dibromochloromethane	0.405	0.408	0.403	0.408	0.412	0.418	0.409	1.3
1,2-Dibromoethane	0.340	0.338	0.338	0.341	0.349	0.347	0.342	1.3
Tetrachloroethene	0.433	0.411	0.384	0.402	0.376	0.410	0.403	5.1
Chlorobenzene	1.135	1.174	1.118	1.150	1.154	1.179	1.152	2
Ethyl Benzene	1.825	1.909	1.888	1.994	1.951	2.070	1.940	4.4
m/p-Xylenes	0.663	0.731	0.718	0.773	0.744	0.777	0.734	5.7
o-Xylene	0.636	0.689	0.686	0.729	0.721	0.750	0.702	5.8
Styrene	1.059	1.139	1.180	1.235	1.247	1.273	1.189	6.7
Bromoform	0.284	0.268	0.267	0.281	0.299	0.302	0.283	5.2
Isopropylbenzene	3.372	3.599	3.592	3.841	3.700	4.085	3.698	6.6
1,1,2,2-Tetrachloroethane	0.915	0.919	0.914	0.929	0.956	0.988	0.937	3.2
1,3-Dichlorobenzene	1.911	1.733	1.660	1.690	1.666	1.807	1.745	5.6
1,4-Dichlorobenzene	1.948	1.824	1.666	1.710	1.684	1.829	1.777	6.2
1,2-Dichlorobenzene	1.618	1.609	1.565	1.589	1.607	1.712	1.617	3.1
1,2-Dibromo-3-Chloropropane	0.181	0.156	0.171	0.187	0.195	0.210	0.183	10.2
1,2,4-Trichlorobenzene	1.140	1.040	1.045	1.112	1.124	1.232	1.116	6.3
1,2,3-Trichlorobenzene	0.981	0.937	0.957	1.033	1.029	1.143	1.013	7.3
1,2-Dichloroethane-d4		0.765	0.689	0.674	0.728	0.739	0.719	5.2
Dibromofluoromethane		0.300	0.260	0.276	0.283	0.307	0.285	6.6
Toluene-d8		1.333	1.191	1.222	1.207	1.339	1.258	5.7
4-Bromofluorobenzene		0.537	0.437	0.446	0.449	0.485	0.471	8.8

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102925W.M
Title : SW846 8260
Last Update : Thu Oct 30 02:37:17 2025
Response Via : Initial Calibration

Calibration Files
1 =VX048407.D 5 =VX048408.D 20 =VX048409.D 50 =VX048410.D 100 =VX048411.D 150 =VX048412.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.488	0.487	0.477	0.539	0.504	0.565	0.510	6.76
3)	P	Chloromethane	0.366	0.263	0.275	0.271	0.274	0.277	0.288	13.49
4)	C	Vinyl Chloride	0.639	0.646	0.642	0.666	0.677	0.718	0.665	4.53#
5)	T	Bromomethane		0.254	0.257	0.242	0.237	0.210	0.240	7.78
6)	T	Chloroethane	0.405	0.394	0.382	0.391	0.398	0.402	0.395	2.10
7)	T	Trichlorofluor...	0.984	1.004	0.981	1.036	1.006	1.100	1.019	4.37
8)	T	Diethyl Ether	0.367	0.347	0.368	0.349	0.396	0.381	0.368	5.13
9)	T	1,1,2-Trichlor...	0.542	0.569	0.546	0.589	0.565	0.626	0.573	5.43
10)	T	Methyl Iodide		2.232	2.136	2.192	2.444	2.516	2.304	7.23
11)	T	Tert butyl alc...		0.049	0.054	0.053	0.061	0.059	0.055	8.49
12)	CM	1,1-Dichloroet...	0.573	0.559	0.559	0.581	0.591	0.628	0.582	4.40#
13)	T	Acrolein		0.105	0.112	0.112	0.128	0.118	0.115	7.44
14)	T	Allyl chloride	1.076	0.952	0.946	0.935	1.006	0.999	0.986	5.37
15)	T	Acrylonitrile	0.251	0.233	0.241	0.247	0.272	0.261	0.251	5.55
16)	T	Acetone	0.176	0.136	0.156	0.159	0.176	0.175	0.163	9.84
17)	T	Carbon Disulfide	1.871	1.692	1.629	1.676	1.568	1.577	1.669	6.66
18)	T	Methyl Acetate	0.578	0.474	0.488	0.494	0.612	0.625	0.545	12.41
19)	T	Methyl tert-bu...	1.967	1.753	1.815	1.763	1.975	1.908	1.864	5.36
20)	T	Methylene Chlo...	0.660	0.613	0.619	0.598	0.651	0.628	0.628	3.74
21)	T	trans-1,2-Dich...	0.614	0.604	0.610	0.606	0.632	0.643	0.618	2.53
22)	T	Diisopropyl ether	1.908	1.986	2.009	1.978	2.150	2.072	2.017	4.17
23)	T	Vinyl Acetate	1.453	1.390	1.457	1.330	1.373	1.237	1.373	6.01
24)	P	1,1-Dichloroet...	1.130	1.140	1.127	1.106	1.190	1.176	1.145	2.78
25)	T	2-Butanone	0.257	0.225	0.261	0.257	0.287	0.275	0.260	8.09
26)	T	2,2-Dichloropr...	1.042	0.949	0.935	0.952	1.002	1.035	0.986	4.74
27)	T	cis-1,2-Dichlo...	0.756	0.717	0.709	0.712	0.771	0.761	0.738	3.79
28)	T	Bromochloromet...	0.465	0.513	0.556	0.513	0.519	0.546	0.519	6.16
29)	T	Tetrahydrofuran	0.193	0.168	0.177	0.181	0.203	0.190	0.185	6.71
30)	C	Chloroform	1.200	1.176	1.167	1.131	1.212	1.180	1.178	2.41#
31)	T	Cyclohexane		0.962	0.968	1.011	0.964	1.063	0.994	4.41
32)	T	1,1,1-Trichlor...	1.030	1.024	1.013	1.030	1.057	1.084	1.040	2.53
33)	S	1,2-Dichloroet...		0.765	0.689	0.674	0.728	0.739	0.719	5.19
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.300	0.260	0.276	0.283	0.307	0.285	6.64
36)	T	1,1-Dichloropr...	0.482	0.446	0.481	0.490	0.463	0.511	0.479	4.63
37)	T	Ethyl Acetate	0.364	0.421	0.396	0.410	0.426	0.430	0.408	6.06
38)	T	Carbon Tetrach...	0.578	0.562	0.528	0.559	0.517	0.572	0.553	4.45
39)	T	Methylcyclohexane	0.578	0.604	0.565	0.665	0.585	0.696	0.616	8.52
40)	TM	Benzene	1.397	1.464	1.457	1.472	1.461	1.524	1.462	2.77
41)	T	Methacrylonitrile	0.195	0.184	0.205	0.215	0.218	0.216	0.205	6.63
42)	TM	1,2-Dichloroet...	0.521	0.520	0.519	0.501	0.514	0.515	0.515	1.46
43)	T	Isopropyl Acetate	0.655	0.628	0.664	0.672	0.707	0.715	0.673	4.82
44)	TM	Trichloroethene	0.365	0.399	0.368	0.381	0.379	0.406	0.383	4.28
45)	C	1,2-Dichloropr...	0.367	0.357	0.359	0.362	0.369	0.377	0.365	1.99#
46)	T	Dibromomethane	0.245	0.260	0.252	0.252	0.261	0.263	0.256	2.80
47)	T	Bromodichlorom...	0.542	0.553	0.536	0.538	0.542	0.550	0.543	1.25
48)	T	Methyl methacr...	0.281	0.305	0.325	0.334	0.361	0.364	0.328	9.77
49)	T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004	0.004	15.65
50)	S	Toluene-d8		1.333	1.191	1.222	1.207	1.339	1.258	5.70
51)	T	4-Methyl-2-Pen...	0.366	0.355	0.373	0.375	0.391	0.388	0.375	3.54
52)	CM	Toluene	0.864	0.918	0.902	0.931	0.914	0.955	0.914	3.32#
53)	T	t-1,3-Dichloro...	0.463	0.491	0.510	0.496	0.501	0.493	0.492	3.23
54)	T	cis-1,3-Dichlo...	0.549	0.525	0.558	0.524	0.522	0.506	0.531	3.66
55)	T	1,1,2-Trichlor...	0.329	0.330	0.332	0.326	0.333	0.334	0.331	0.99
56)	T	Ethyl methacry...	0.437	0.438	0.473	0.492	0.533	0.533	0.484	8.90

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102925W.M

57)	T	1,3-Dichloropr...	0.578	0.580	0.566	0.568	0.574	0.575	0.573	0.95
58)	T	2-Chloroethyl ...	0.145	0.216	0.278	0.282	0.281	0.302	0.251	23.68
59)	T	2-Hexanone	0.219	0.217	0.248	0.251	0.264	0.263	0.244	8.58
60)	T	Dibromochlorom...	0.405	0.408	0.403	0.408	0.412	0.418	0.409	1.27
61)	T	1,2-Dibromoethane	0.340	0.338	0.338	0.341	0.349	0.347	0.342	1.34
62)	S	4-Bromofluorob...		0.537	0.437	0.446	0.449	0.485	0.471	8.82
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.433	0.411	0.384	0.402	0.376	0.410	0.403	5.07
65)	PM	Chlorobenzene	1.135	1.174	1.118	1.150	1.154	1.179	1.152	1.98
66)	T	1,1,1,2-Tetrac...	0.360	0.387	0.386	0.396	0.404	0.417	0.392	4.96
67)	C	Ethyl Benzene	1.825	1.909	1.888	1.994	1.951	2.070	1.940	4.42#
68)	T	m/p-Xylenes	0.663	0.731	0.718	0.773	0.744	0.777	0.734	5.72
69)	T	o-Xylene	0.636	0.689	0.686	0.729	0.721	0.750	0.702	5.76
70)	T	Styrene	1.059	1.139	1.180	1.235	1.247	1.273	1.189	6.74
71)	P	Bromoform	0.284	0.268	0.267	0.281	0.299	0.302	0.283	5.18
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.372	3.599	3.592	3.841	3.700	4.085	3.698	6.60
74)	T	N-amyl acetate	1.175	1.160	1.281	1.367	1.436	1.497	1.319	10.44
75)	P	1,1,2,2-Tetrac...	0.915	0.919	0.914	0.929	0.956	0.988	0.937	3.18
76)	T	1,2,3-Trichlor...	0.617	0.702	0.708	0.743	0.765	0.779	0.719	8.13
77)	T	Bromobenzene	0.877	0.904	0.886	0.912	0.919	0.984	0.914	4.13
78)	T	n-propylbenzene	3.871	4.307	4.262	4.596	4.352	4.838	4.371	7.48
79)	T	2-Chlorotoluene	2.524	2.598	2.538	2.652	2.609	2.825	2.624	4.15
80)	T	1,3,5-Trimethy...	2.640	2.973	2.948	3.194	3.065	3.369	3.032	8.15
81)	T	trans-1,4-Dich...		0.191	0.195	0.208	0.217	0.228	0.208	7.37
82)	T	4-Chlorotoluene	2.883	3.105	3.023	3.125	3.076	3.299	3.085	4.42
83)	T	tert-Butylbenzene	2.798	3.001	2.945	3.216	3.098	3.459	3.086	7.48
84)	T	1,2,4-Trimethy...	2.580	2.875	2.976	3.141	3.082	3.355	3.002	8.76
85)	T	sec-Butylbenzene	3.379	3.847	3.727	4.052	3.793	4.276	3.846	7.90
86)	T	p-Isopropyltol...	2.815	3.198	3.145	3.435	3.257	3.657	3.251	8.73
87)	T	1,3-Dichlorobe...	1.911	1.733	1.660	1.690	1.666	1.807	1.745	5.62
88)	T	1,4-Dichlorobe...	1.948	1.824	1.666	1.710	1.684	1.829	1.777	6.15
89)	T	n-Butylbenzene	2.892	2.903	2.886	3.183	3.003	3.447	3.052	7.34
90)	T	Hexachloroethane	0.521	0.518	0.537	0.594	0.589	0.669	0.571	10.22
91)	T	1,2-Dichlorobe...	1.618	1.609	1.565	1.589	1.607	1.712	1.617	3.11
92)	T	1,2-Dibromo-3-...	0.181	0.156	0.171	0.187	0.195	0.210	0.183	10.20
93)	T	1,2,4-Trichlor...	1.140	1.040	1.045	1.112	1.124	1.232	1.116	6.34
94)	T	Hexachlorobuta...	0.507	0.437	0.435	0.481	0.431	0.516	0.468	8.23
95)	T	Naphthalene	2.578	2.419	2.645	2.935	3.064	3.264	2.818	11.45
96)	T	1,2,3-Trichlor...	0.981	0.937	0.957	1.033	1.029	1.143	1.013	7.31

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048407.D
Acq On : 29 Oct 2025 11:12
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	158565	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	284044	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	259052	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129002	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 78 - 117		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 92 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.173	85	1549	0.958	ug/l		100
3) Chloromethane	1.301	50	1162	1.273	ug/l		91
4) Vinyl Chloride	1.380	62	2027	0.962	ug/l	#	85
6) Chloroethane	1.703	64	1283	1.023	ug/l	#	88
7) Trichlorofluoromethane	1.898	101	3121	0.966	ug/l		97
8) Diethyl Ether	2.136	74	1165	0.998	ug/l		62
9) 1,1,2-Trichlorotrifluo...	2.337	101	1719	0.946	ug/l		95
12) 1,1-Dichloroethene	2.325	96	1818	0.985	ug/l		85
14) Allyl chloride	2.666	41	3412	1.092	ug/l		96
15) Acrylonitrile	3.062	53	3987	5.016	ug/l		93
16) Acetone	2.373	43	2795	5.408	ug/l	#	85
17) Carbon Disulfide	2.514	76	5933	1.121	ug/l	#	89
18) Methyl Acetate	2.709	43	1832	1.060	ug/l	#	86
19) Methyl tert-butyl Ether	3.105	73	6239	1.056	ug/l		97
20) Methylene Chloride	2.788	84	2094	1.051	ug/l		96
21) trans-1,2-Dichloroethene	3.093	96	1948	0.994	ug/l		89
22) Diisopropyl ether	3.757	45	6050	0.946	ug/l		94
23) Vinyl Acetate	3.721	43	23043	5.291	ug/l		99
24) 1,1-Dichloroethane	3.611	63	3584	0.987	ug/l		97
25) 2-Butanone	4.556	43	4076	4.937	ug/l	#	89
26) 2,2-Dichloropropane	4.465	77	3304	1.057	ug/l		89
27) cis-1,2-Dichloroethene	4.483	96	2398	1.025	ug/l		95
28) Bromochloromethane	4.891	49	1476	0.897	ug/l	#	94
29) Tetrahydrofuran	5.001	42	3062	5.208	ug/l	#	67
30) Chloroform	5.086	83	3806	1.019	ug/l	#	82
32) 1,1,1-Trichloroethane	5.367	97	3267	0.991	ug/l	#	50
36) 1,1-Dichloropropene	5.684	75	2737	1.006	ug/l		93
37) Ethyl Acetate	4.727	43	2068m	0.893	ug/l		
38) Carbon Tetrachloride	5.678	117	3286	1.047	ug/l	#	83
39) Methylcyclohexane	7.367	83	3285	0.939	ug/l		96
40) Benzene	6.025	78	7935	0.955	ug/l		95
41) Methacrylonitrile	4.922	41	1107	0.949	ug/l	#	82
42) 1,2-Dichloroethane	6.080	62	2962	1.012	ug/l		84
43) Isopropyl Acetate	6.330	43	3721	0.973	ug/l	#	90
44) Trichloroethene	7.110	130	2075	0.953	ug/l		71
45) 1,2-Dichloropropane	7.421	63	2087	1.006	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048407.D
Acq On : 29 Oct 2025 11:12
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.568	93	1390	0.957	ug/l		87
47) Bromodichloromethane	7.805	83	3077	0.997	ug/l		93
48) Methyl methacrylate	7.684	41	1596	0.856	ug/l		97
49) 1,4-Dioxane	7.665	88	305	14.384	ug/l	#	69
51) 4-Methyl-2-Pentanone	8.561	43	10398	4.884	ug/l		99
52) Toluene	8.702	92	4908	0.945	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	2630	0.940	ug/l	#	83
54) cis-1,3-Dichloropropene	8.348	75	3118	1.035	ug/l	#	60
55) 1,1,2-Trichloroethane	9.134	97	1867	0.994	ug/l		94
56) Ethyl methacrylate	9.104	69	2480	0.902	ug/l		98
57) 1,3-Dichloropropane	9.293	76	3283	1.008	ug/l		89
58) 2-Chloroethyl Vinyl ether	8.232	63	4120	11.715	ug/l		100
59) 2-Hexanone	9.415	43	6222	4.492	ug/l		100
60) Dibromochloromethane	9.506	129	2303	0.991	ug/l		97
61) 1,2-Dibromoethane	9.598	107	1932	0.994	ug/l		99
64) Tetrachloroethene	9.256	164	2244	1.076	ug/l		92
65) Chlorobenzene	10.067	112	5883	0.986	ug/l		90
66) 1,1,1,2-Tetrachloroethane	10.153	131	1866	0.919	ug/l	#	60
67) Ethyl Benzene	10.177	91	9455	0.941	ug/l		93
68) m/p-Xylenes	10.287	106	6869	1.805	ug/l		98
69) o-Xylene	10.622	106	3294	0.906	ug/l		86
70) Styrene	10.640	104	5486	0.891	ug/l		96
71) Bromoform	10.787	173	1471	1.002	ug/l	#	90
73) Isopropylbenzene	10.945	105	8700	0.912	ug/l		99
74) N-amyl acetate	10.829	43	3032	0.891	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.195	83	2360	0.976	ug/l		97
76) 1,2,3-Trichloropropane	11.226	75	1592m	0.791	ug/l		
77) Bromobenzene	11.183	156	2263	0.960	ug/l		97
78) n-propylbenzene	11.287	91	9988	0.886	ug/l		91
79) 2-Chlorotoluene	11.348	91	6513	0.962	ug/l		97
80) 1,3,5-Trimethylbenzene	11.433	105	6812	0.871	ug/l		94
82) 4-Chlorotoluene	11.439	91	7437	0.934	ug/l		99
83) tert-Butylbenzene	11.695	119	7219	0.907	ug/l		97
84) 1,2,4-Trimethylbenzene	11.738	105	6657	0.860	ug/l		96
85) sec-Butylbenzene	11.872	105	8718	0.879	ug/l		99
86) p-Isopropyltoluene	11.994	119	7263	0.866	ug/l		88
87) 1,3-Dichlorobenzene	11.951	146	4931	1.095	ug/l		95
88) 1,4-Dichlorobenzene	12.024	146	5027m	1.096	ug/l		
89) n-Butylbenzene	12.317	91	7462	0.948	ug/l		100
90) Hexachloroethane	12.518	117	1343	0.911	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	4175	1.001	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.920	75	468	0.989	ug/l		89
93) 1,2,4-Trichlorobenzene	13.573	180	2942	1.022	ug/l		96
94) Hexachlorobutadiene	13.707	225	1309	1.084	ug/l		96
95) Naphthalene	13.756	128	6652	0.915	ug/l		99
96) 1,2,3-Trichlorobenzene	13.945	180	2531	0.968	ug/l		90

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

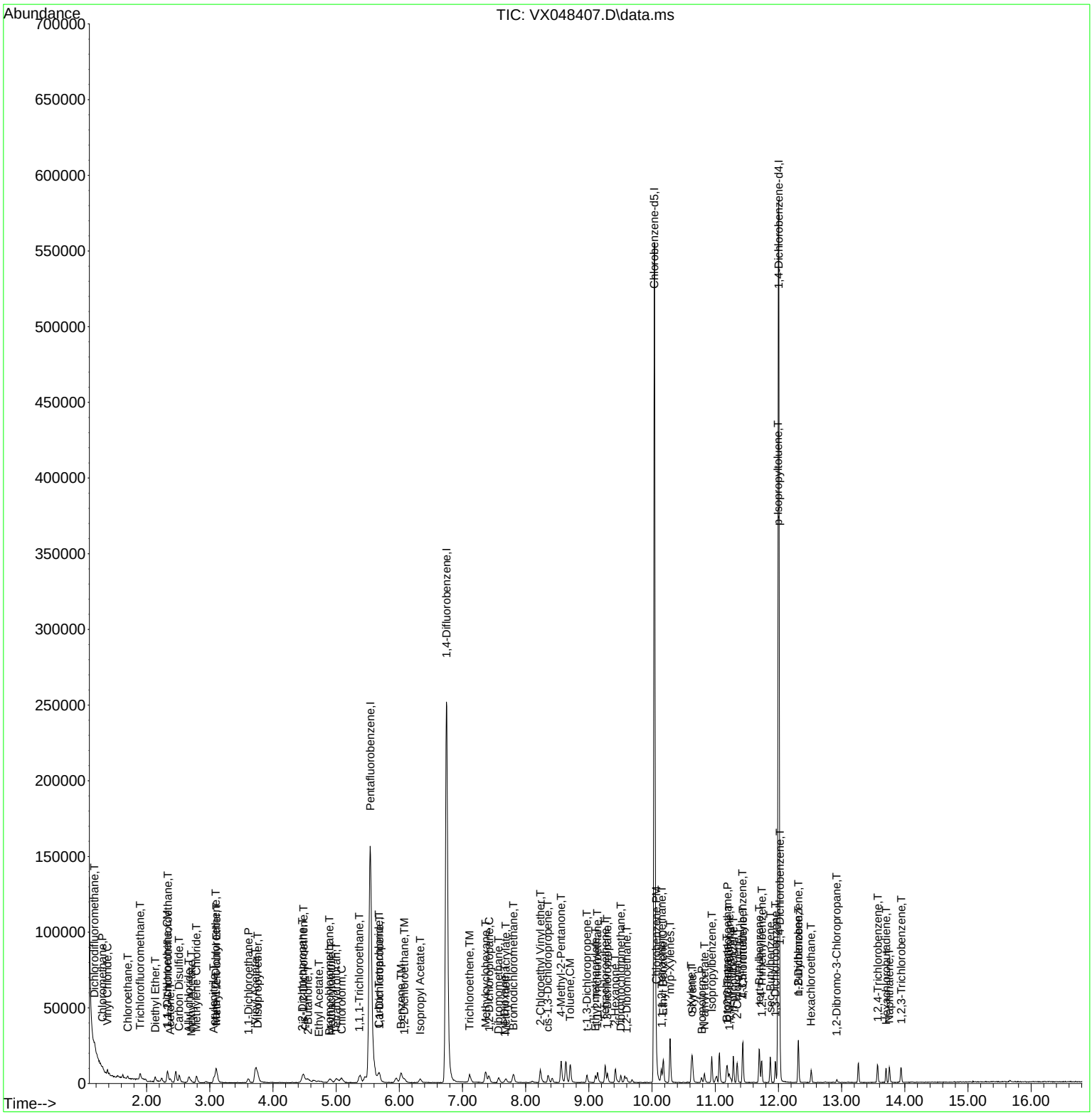
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Data File : VX048407.D
Acq On : 29 Oct 2025 11:12
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

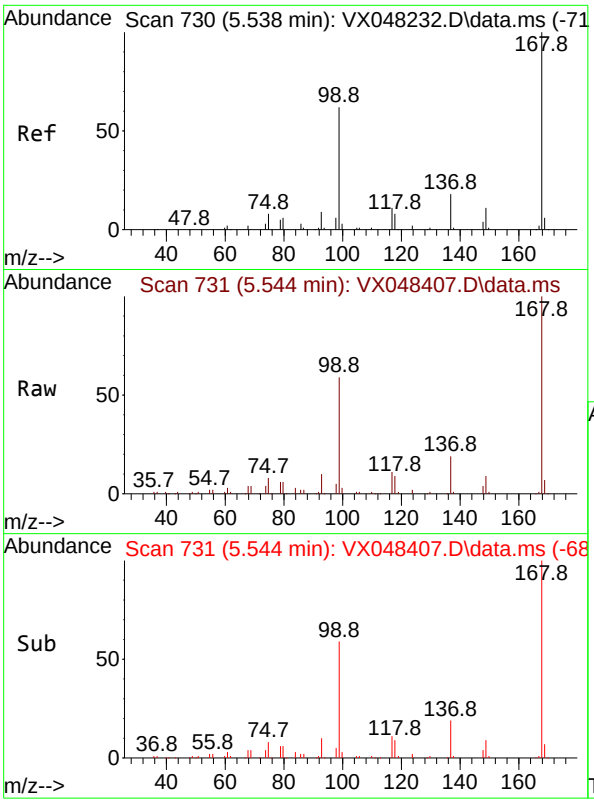
Quant Time: Oct 30 02:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

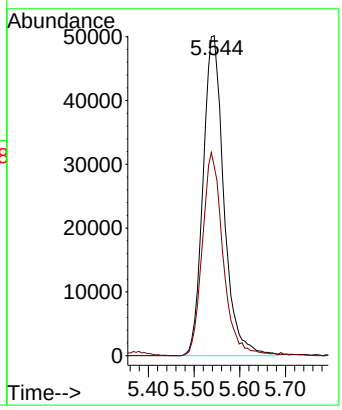




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:168 Resp: 15856

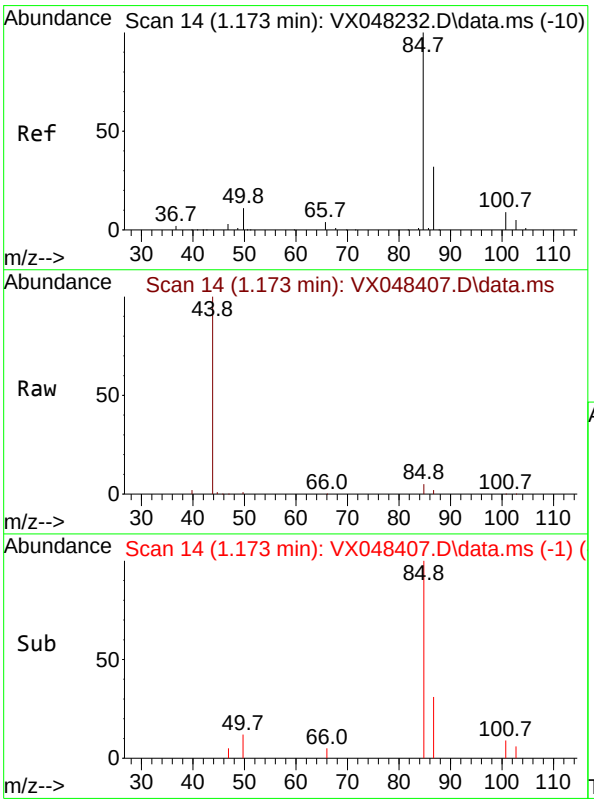
Ion	Ratio	Lower	Upper
168	100		
99	59.2	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

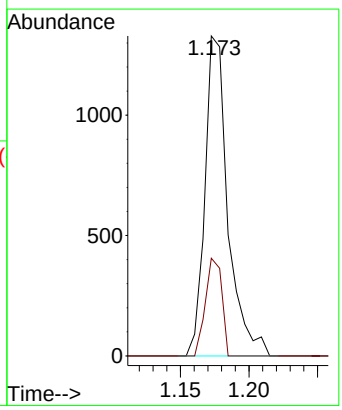
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

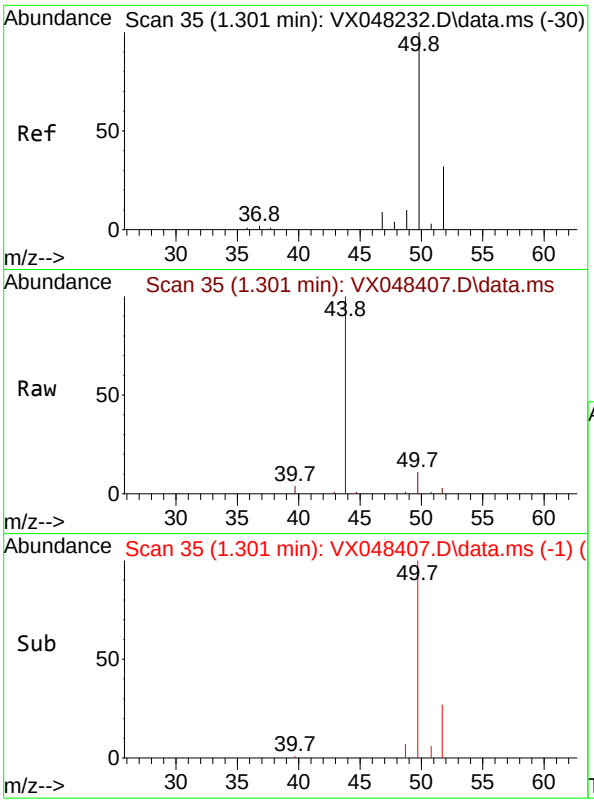


#2
Dichlorodifluoromethane
Concen: 0.958 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 85 Resp: 1549

Ion	Ratio	Lower	Upper
85	100		
87	30.5	15.3	45.9

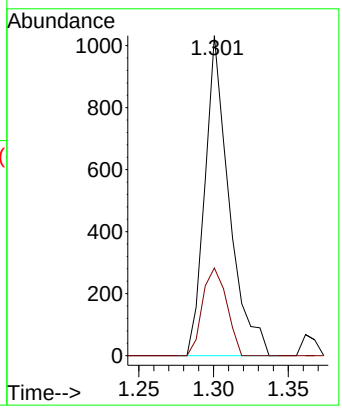




#3
Chloromethane
Concen: 1.273 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 50 Resp: 116

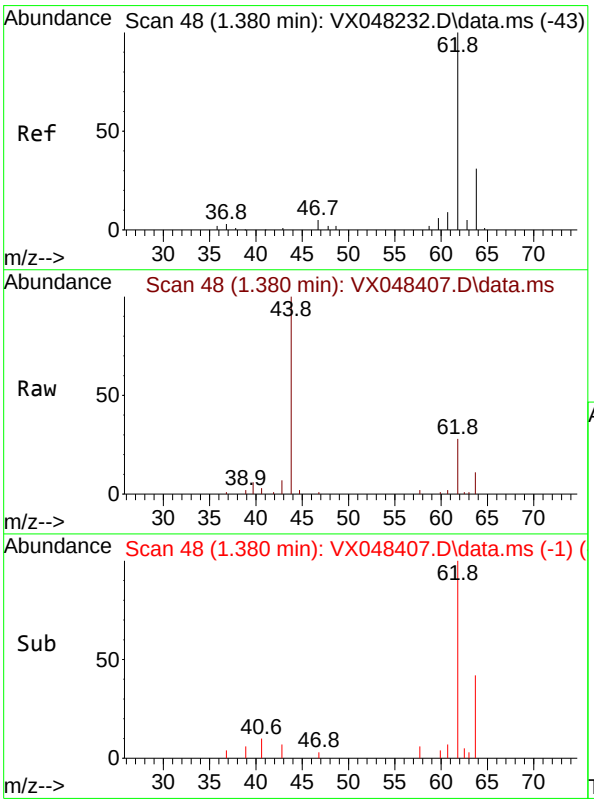
Ion	Ratio	Lower	Upper
50	100		
52	27.4	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

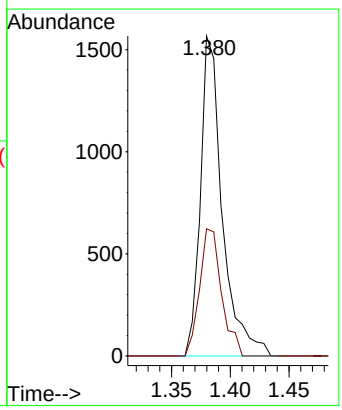
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

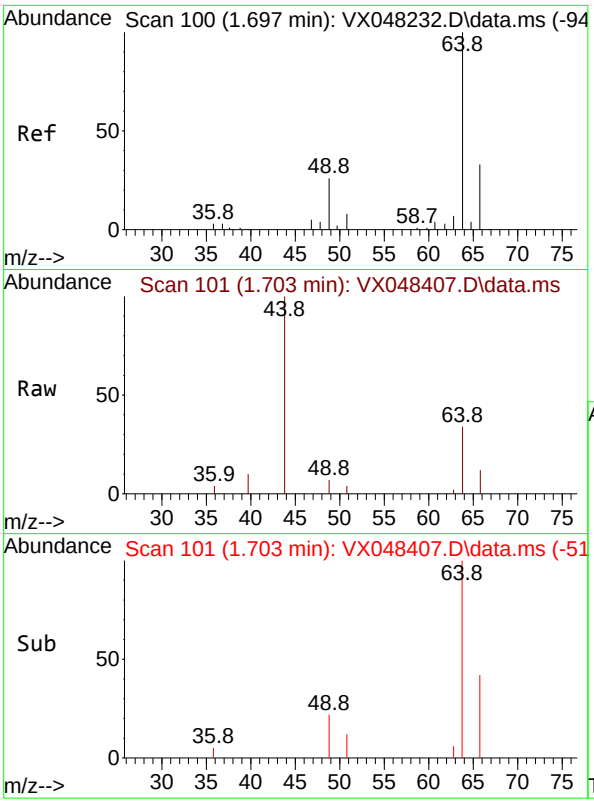


#4
Vinyl Chloride
Concen: 0.962 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 62 Resp: 2027

Ion	Ratio	Lower	Upper
62	100		
64	39.8	25.1	37.7#





#6
Chloroethane
Concen: 1.023 ug/l
RT: 1.703 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

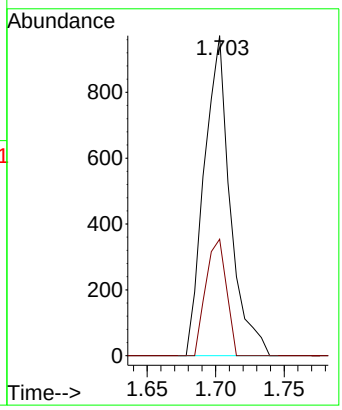
Tgt Ion: 64 Resp: 128

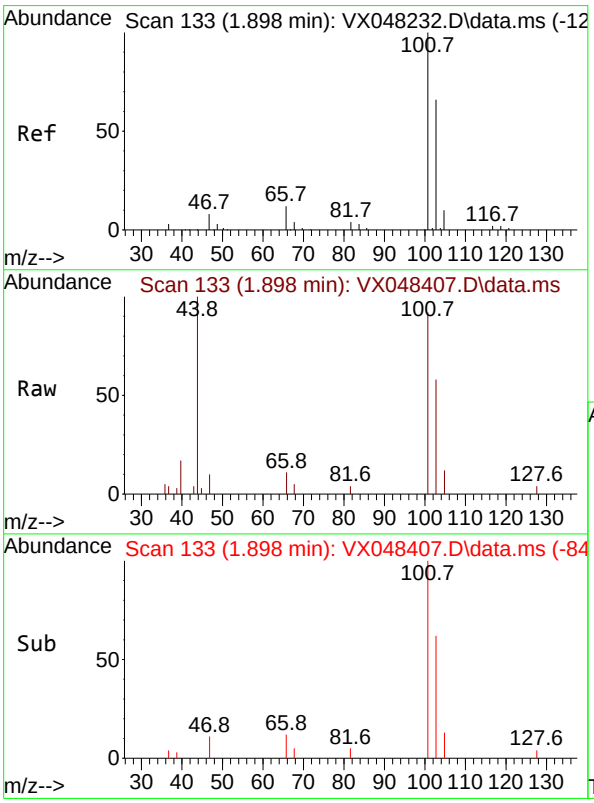
Ion	Ratio	Lower	Upper
64	100		
66	36.4	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

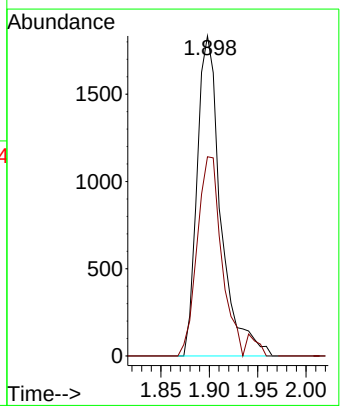


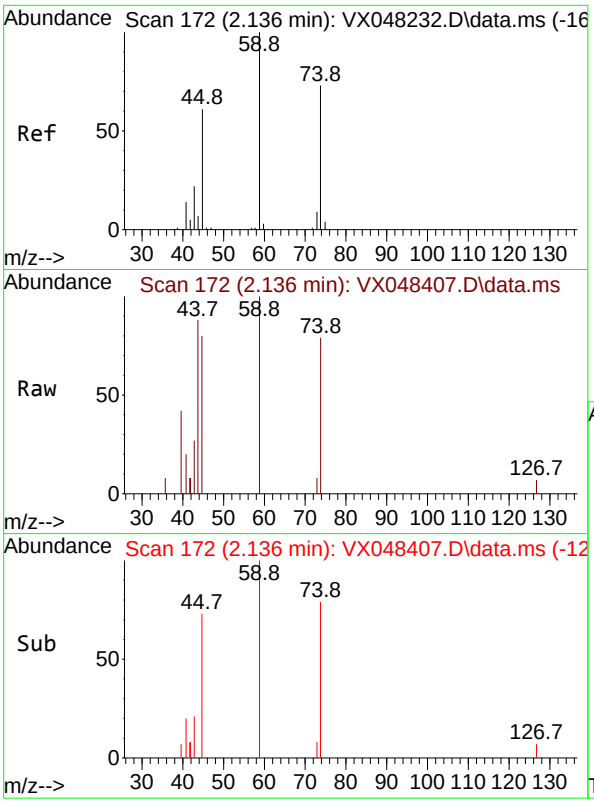


#7
Trichlorofluoromethane
Concen: 0.966 ug/l
RT: 1.898 min Scan# 133
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:101 Resp: 3121

Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.6	77.4





#8
Diethyl Ether
Concen: 0.998 ug/l
RT: 2.136 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

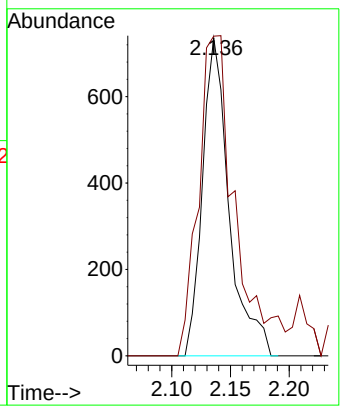
Tgt Ion: 74 Resp: 116

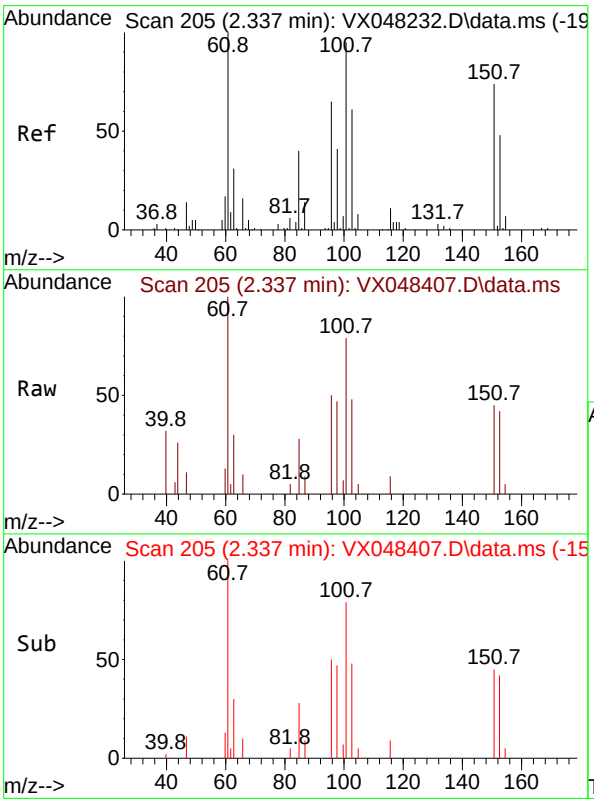
Ion	Ratio	Lower	Upper
74	100		
45	137.9	50.0	149.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
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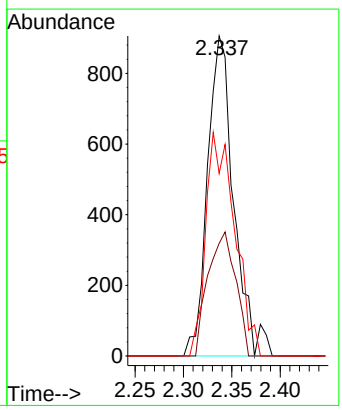


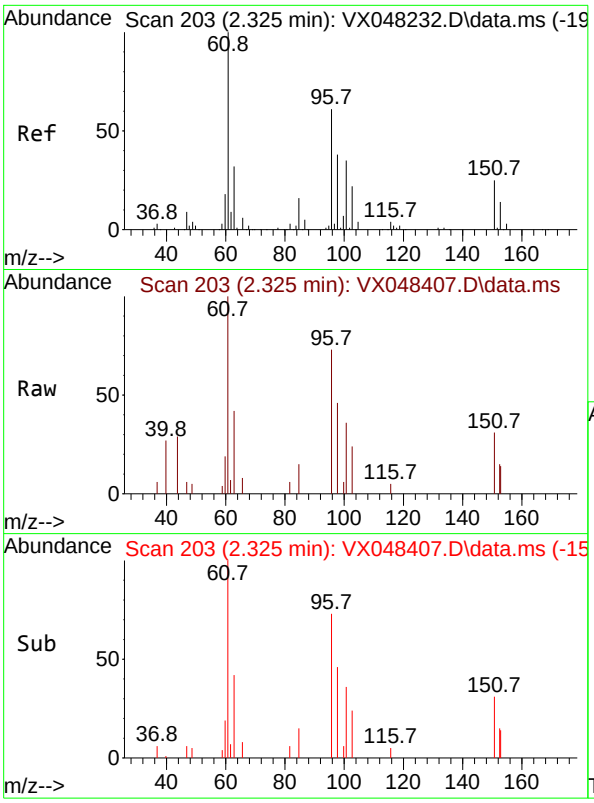


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.946 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:101 Resp: 1719

Ion	Ratio	Lower	Upper
101	100		
85	40.6	35.6	53.4
151	76.8	58.0	87.0

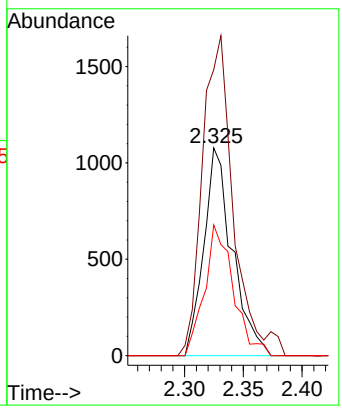




#12
1,1-Dichloroethene
Concen: 0.985 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 96 Resp: 181

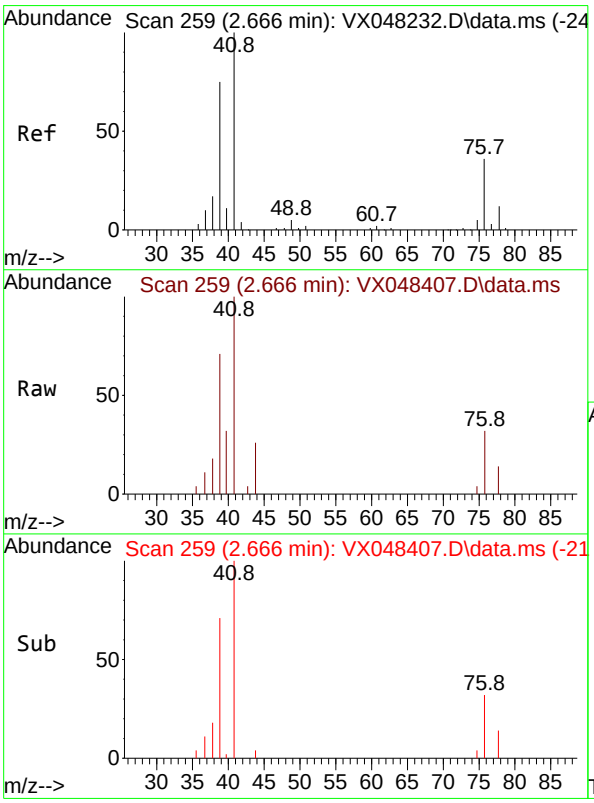
Ion	Ratio	Lower	Upper
96	100		
61	147.0	139.0	208.6
98	62.9	52.4	78.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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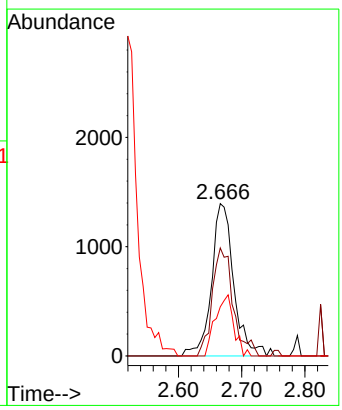
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

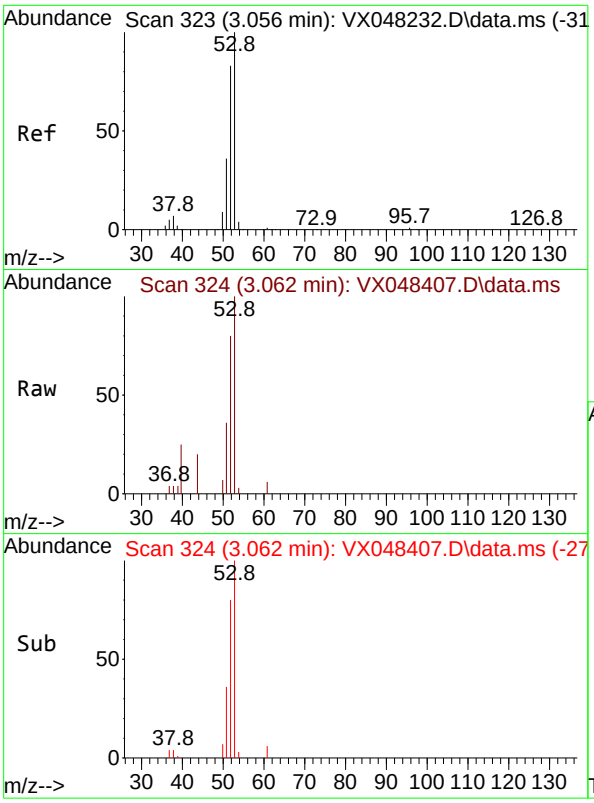


#14
Allyl chloride
Concen: 1.092 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 41 Resp: 3412

Ion	Ratio	Lower	Upper
41	100		
39	66.1	56.0	84.0
76	32.9	27.5	41.3

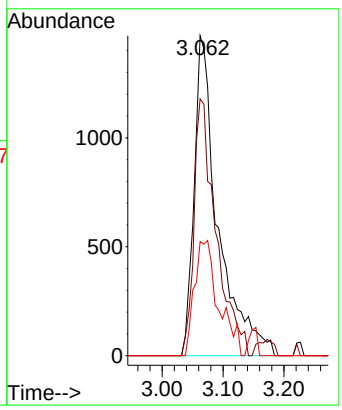




#15
Acrylonitrile
Concen: 5.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 53 Resp: 398

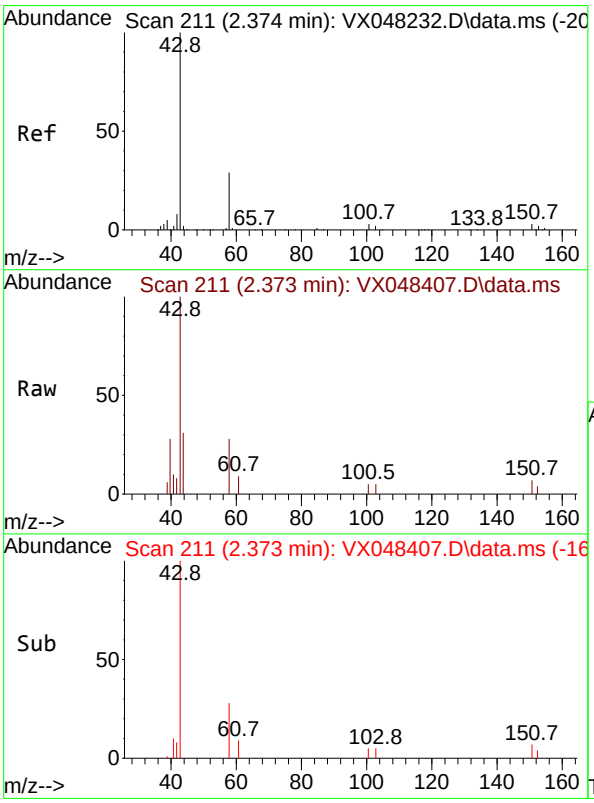
Ion	Ratio	Lower	Upper
53	100		
52	74.0	66.1	99.1
51	36.3	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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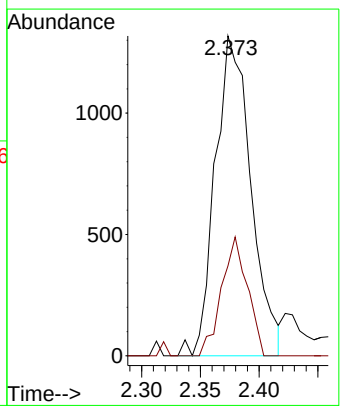
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

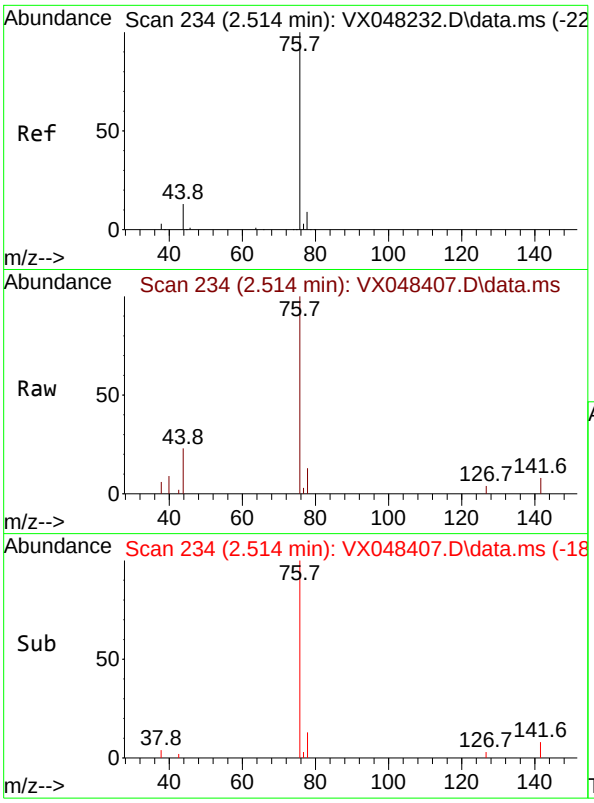


#16
Acetone
Concen: 5.408 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 43 Resp: 2795

Ion	Ratio	Lower	Upper
43	100		
58	21.5	23.4	35.2#





#17
Carbon Disulfide
Concen: 1.121 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

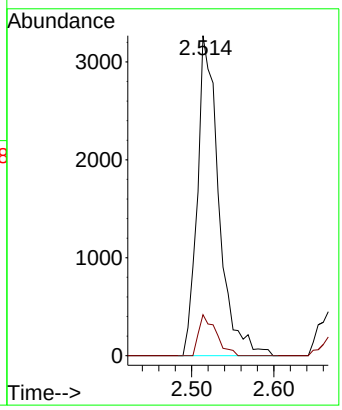
Tgt Ion: 76 Resp: 593

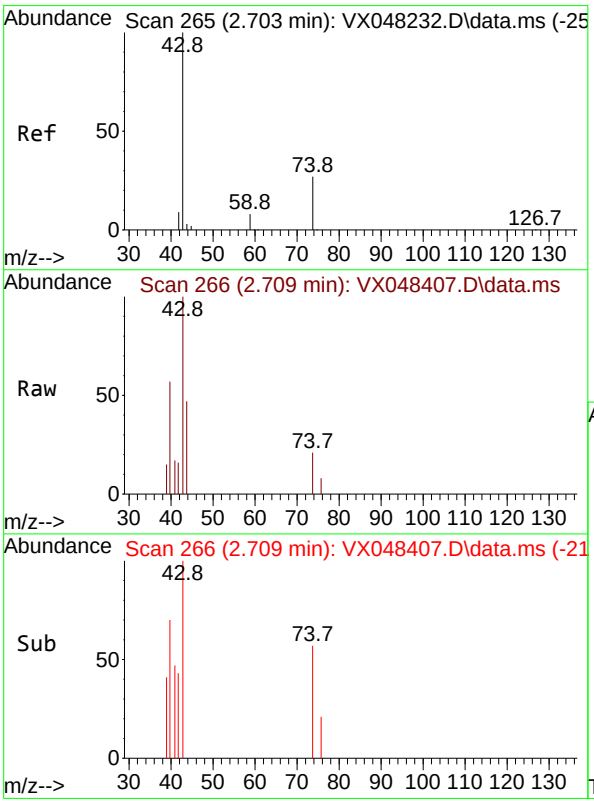
Ion	Ratio	Lower	Upper
76	100		
78	12.8	7.1	10.7#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

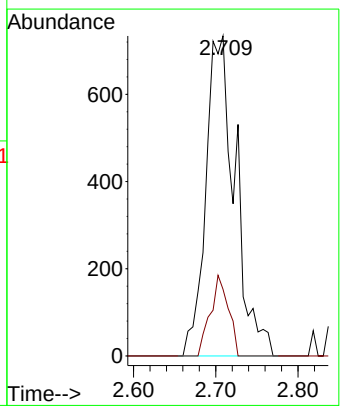


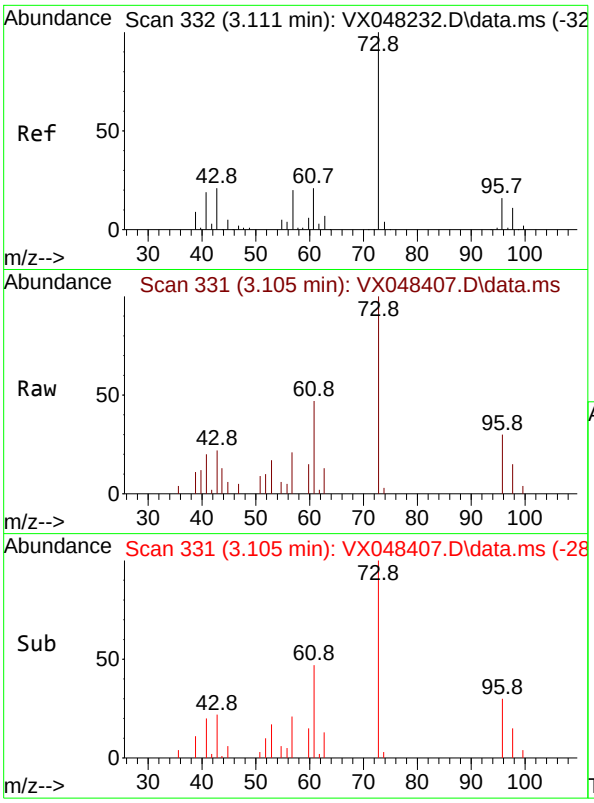


#18
Methyl Acetate
Concen: 1.060 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 43 Resp: 1832

Ion	Ratio	Lower	Upper
43	100		
74	15.4	17.5	26.3#

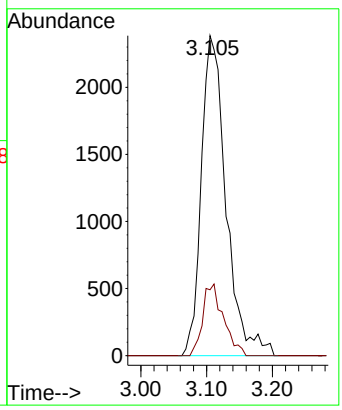




#19
Methyl tert-butyl Ether
Concen: 1.056 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 73 Resp: 623

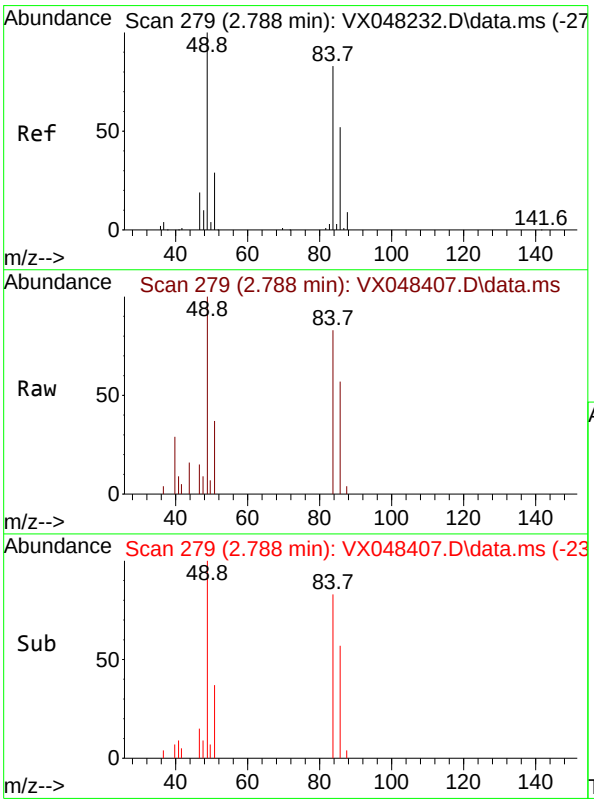
Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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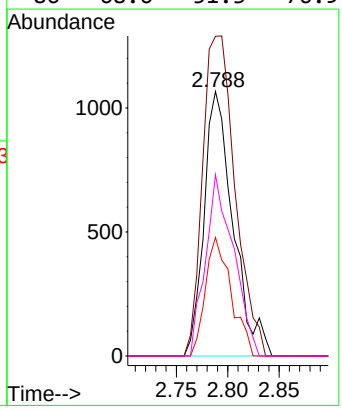
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

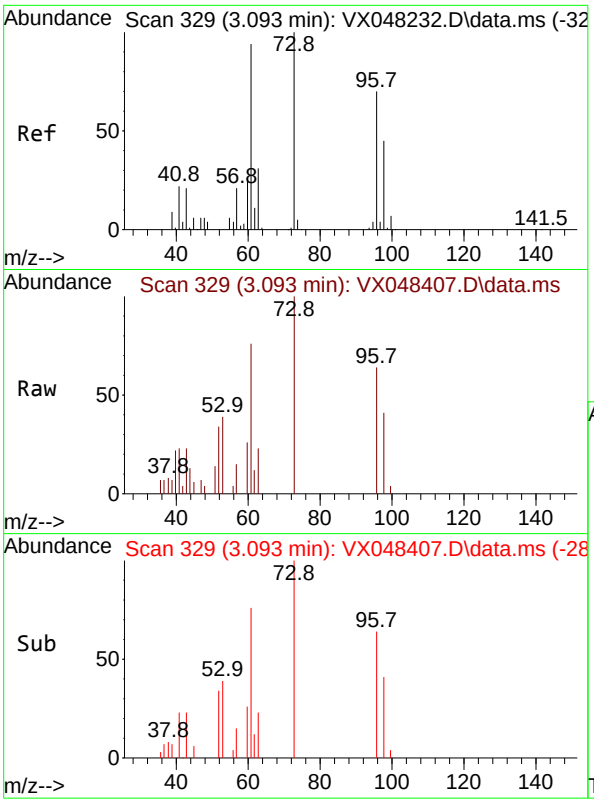


#20
Methylene Chloride
Concen: 1.051 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 84 Resp: 2094

Ion	Ratio	Lower	Upper
84	100		
49	129.3	104.1	156.1
51	44.8	31.3	46.9
86	68.6	51.3	76.9

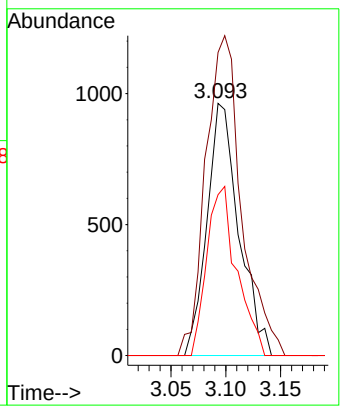




#21
trans-1,2-Dichloroethene
Concen: 0.994 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 96 Resp: 194

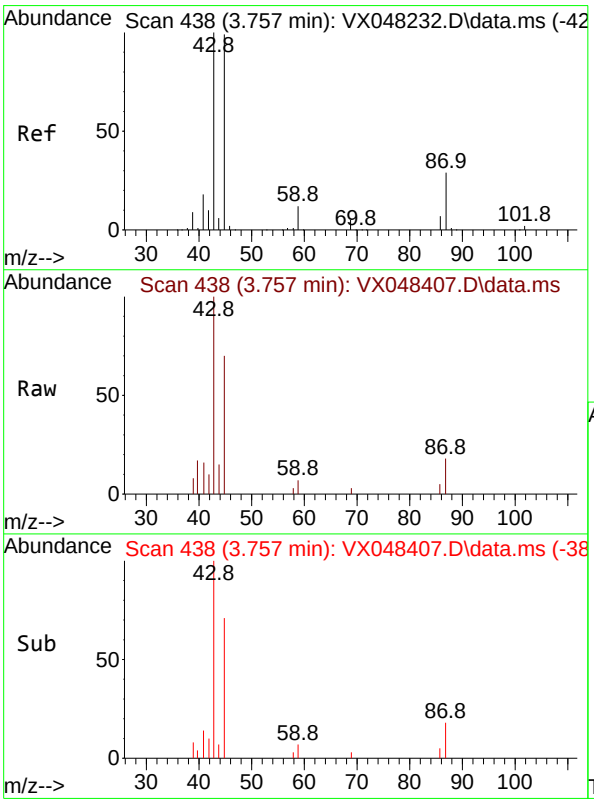
Ion	Ratio	Lower	Upper
96	100		
61	120.1	111.9	167.9
98	63.8	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

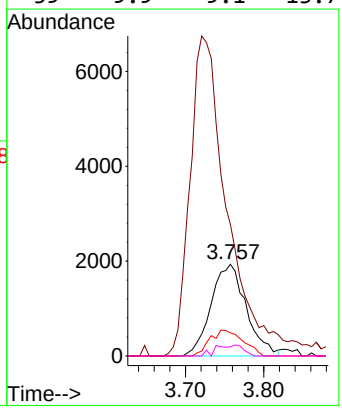
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

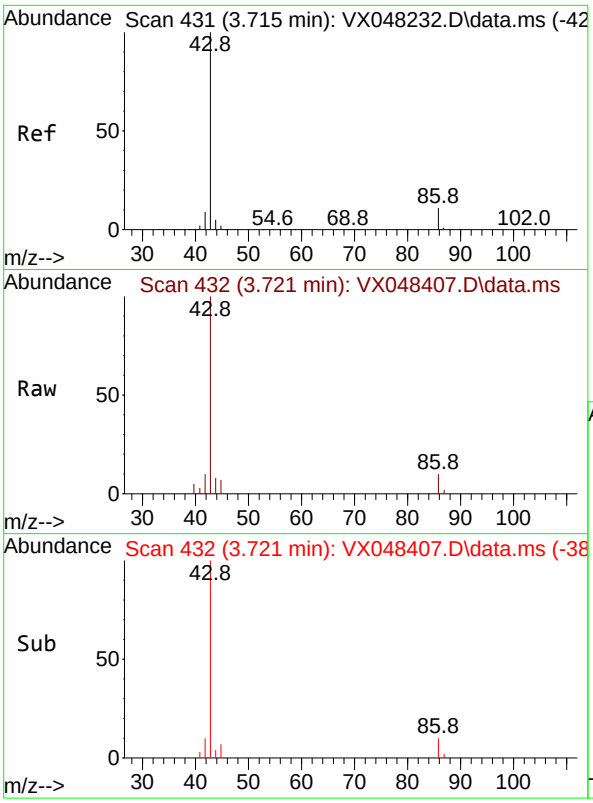


#22
Diisopropyl ether
Concen: 0.946 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 45 Resp: 6050

Ion	Ratio	Lower	Upper
45	100		
43	120.5	89.8	134.8
87	25.2	20.6	31.0
59	9.9	9.1	13.7





#23
Vinyl Acetate
Concen: 5.291 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

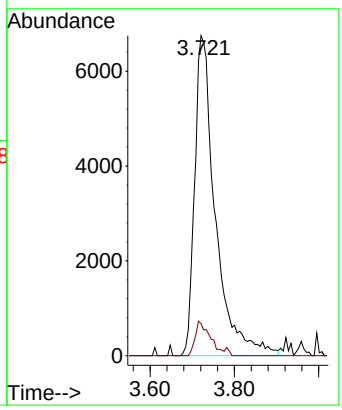
Tgt Ion: 43 Resp: 2304

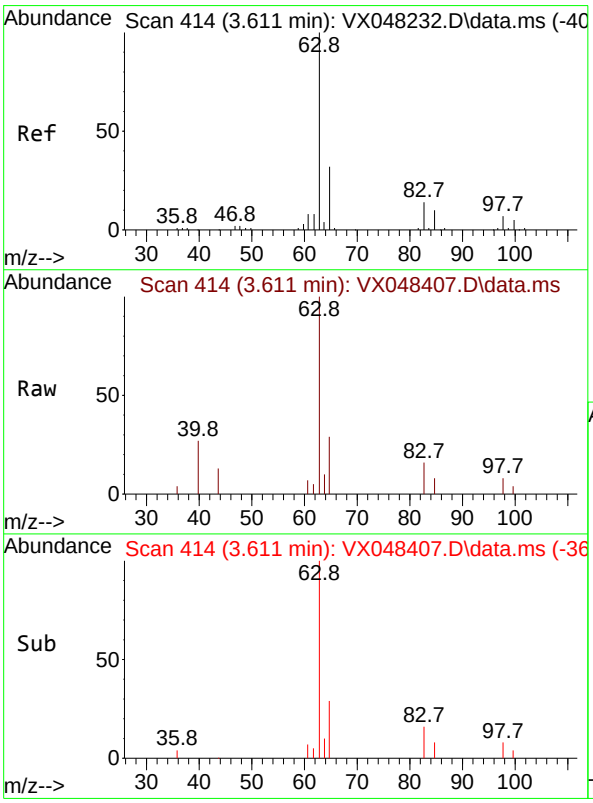
Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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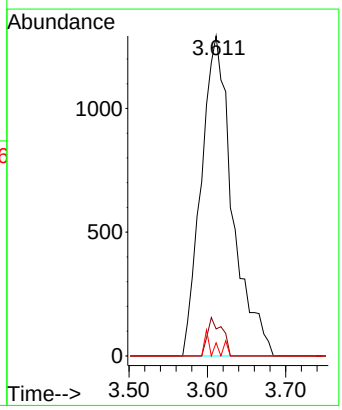


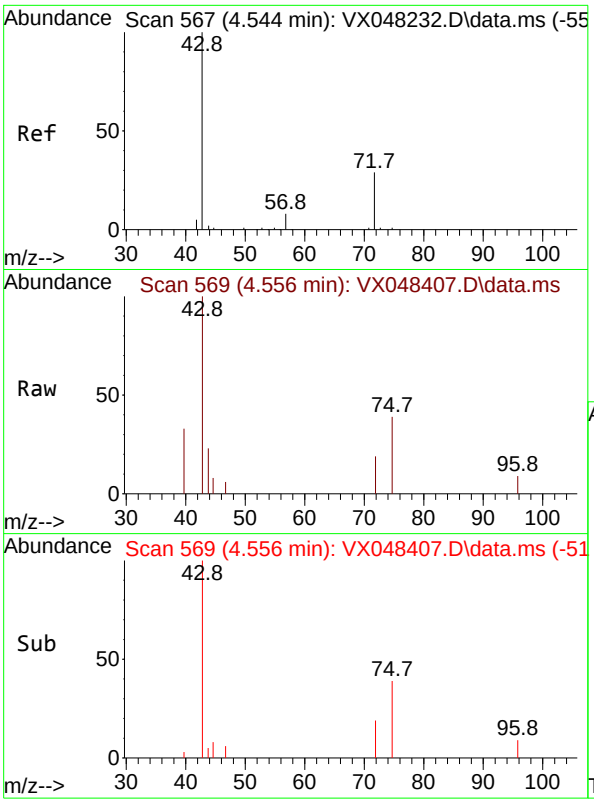


#24
1,1-Dichloroethane
Concen: 0.987 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 63 Resp: 3584

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.5	10.6
100	4.1	2.1	6.3

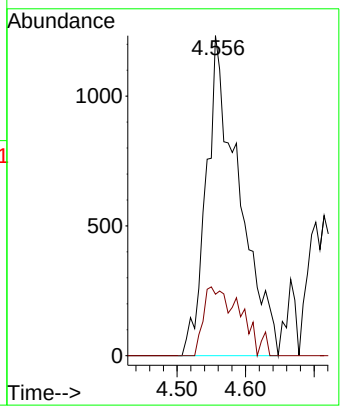




#25
2-Butanone
Concen: 4.937 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 43 Resp: 407

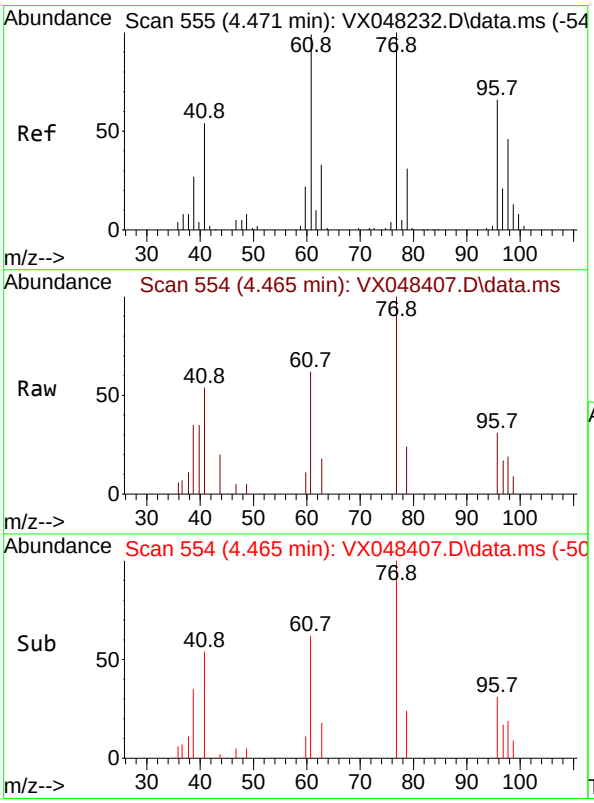
Ion	Ratio	Lower	Upper
43	100		
72	19.2	19.9	29.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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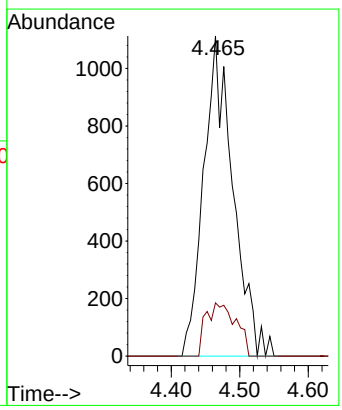
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

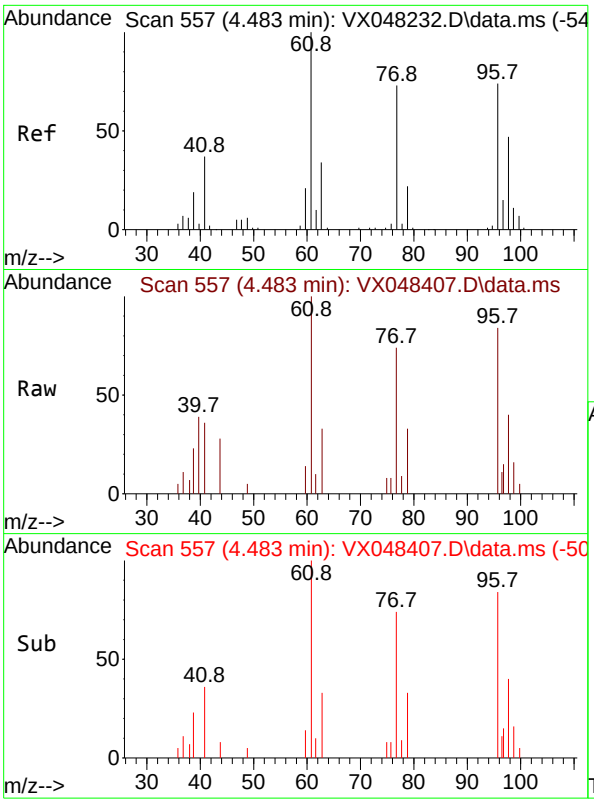


#26
2,2-Dichloropropane
Concen: 1.057 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 77 Resp: 3304

Ion	Ratio	Lower	Upper
77	100		
97	16.9	11.1	33.3

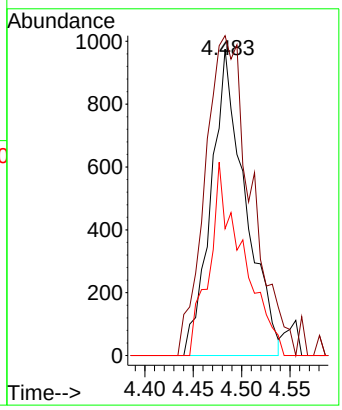




#27
cis-1,2-Dichloroethene
Concen: 1.025 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 96 Resp: 239

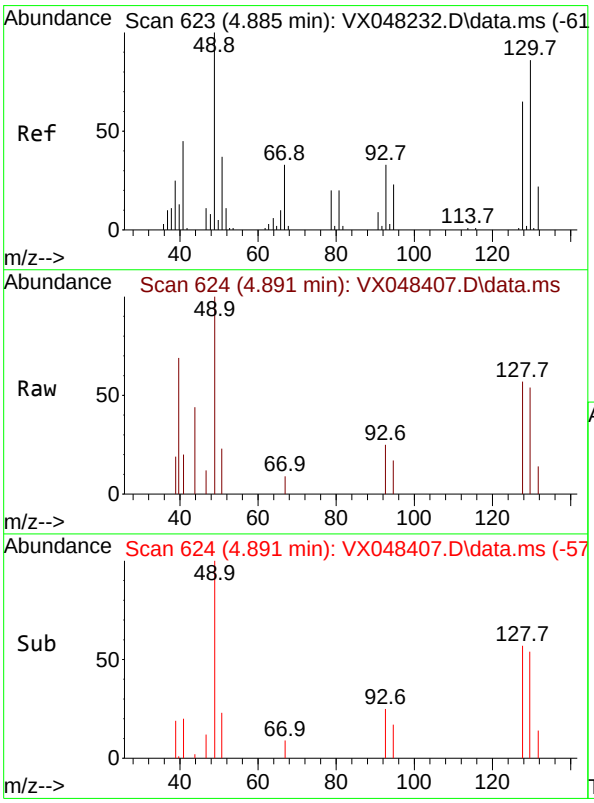
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	294.2
98	61.5	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

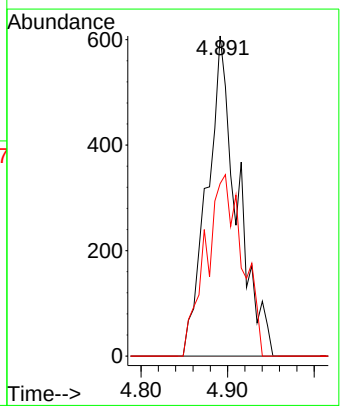
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

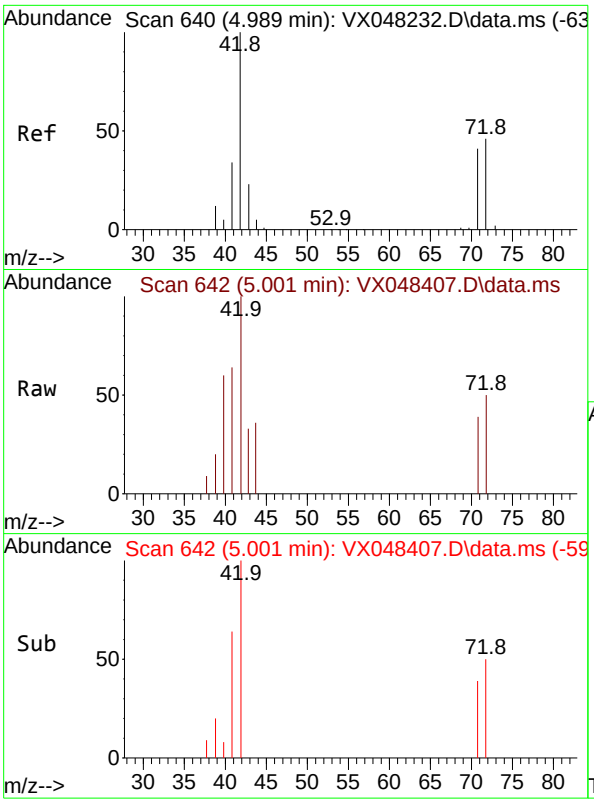


#28
Bromochloromethane
Concen: 0.897 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 49 Resp: 1476

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	68.6	59.3	88.9





#29
Tetrahydrofuran
Concen: 5.208 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

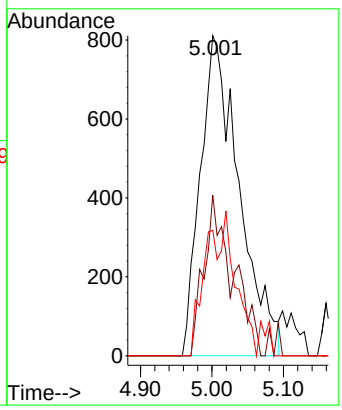
Tgt Ion: 42 Resp: 306

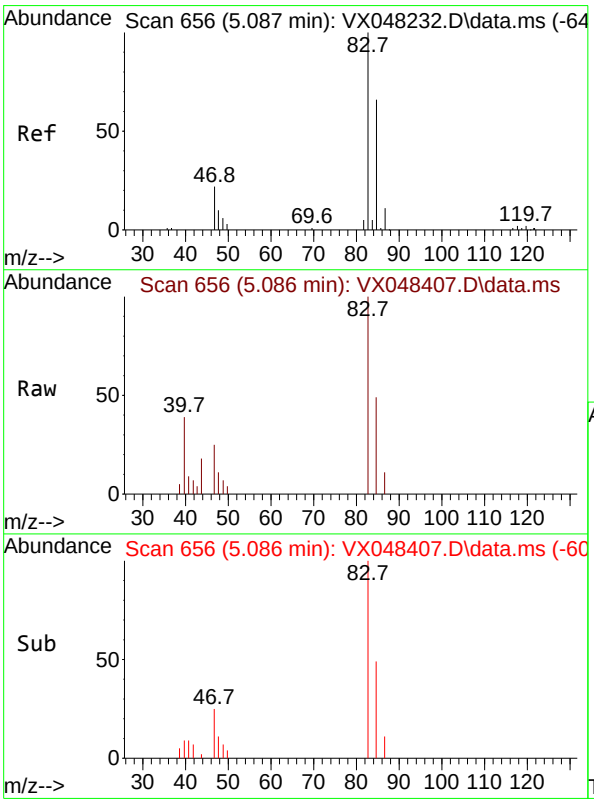
Ion	Ratio	Lower	Upper
42	100		
72	26.6	35.3	52.9#
71	16.4	32.2	48.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

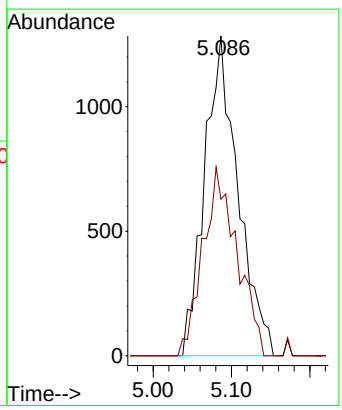


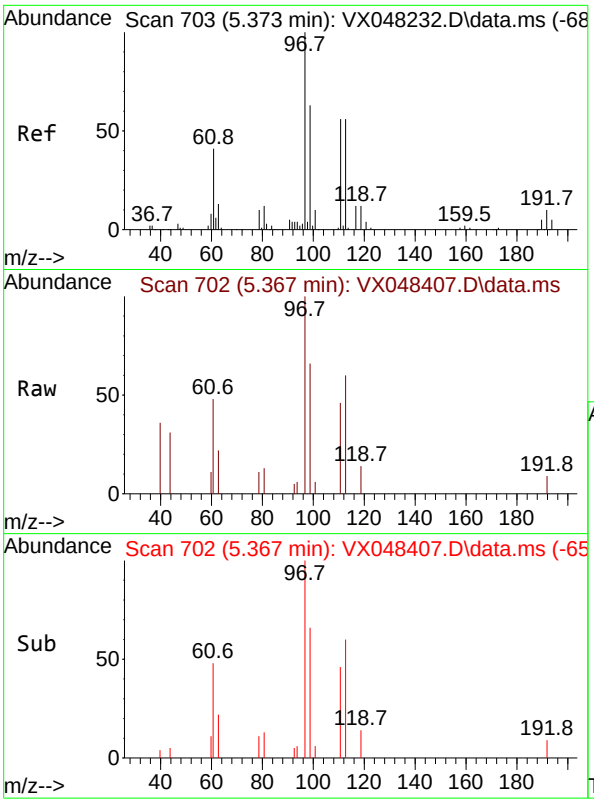


#30
Chloroform
Concen: 1.019 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 83 Resp: 3806

Ion	Ratio	Lower	Upper
83	100		
85	49.0	50.1	75.1#

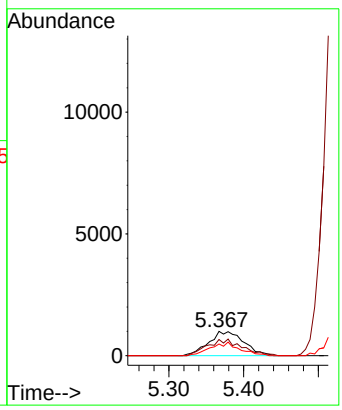




#32
1,1,1-Trichloroethane
Concen: 0.991 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 97 Resp: 326

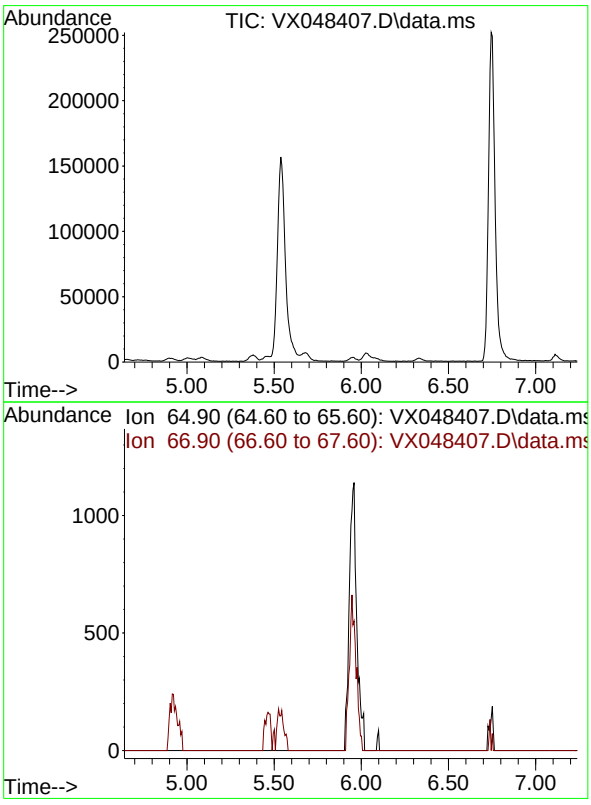
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	45.6	34.8	52.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

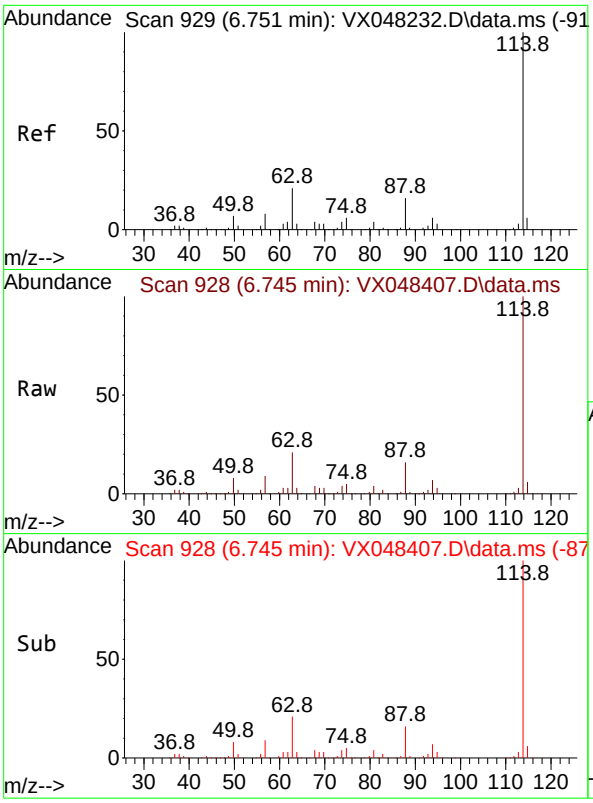


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.94 min

Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	52.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

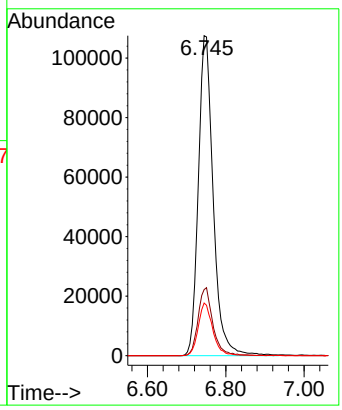
Tgt Ion:114 Resp: 284044

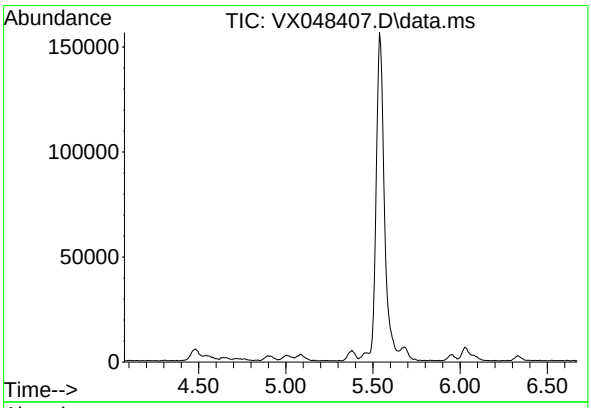
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	16.5	0.0	33.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



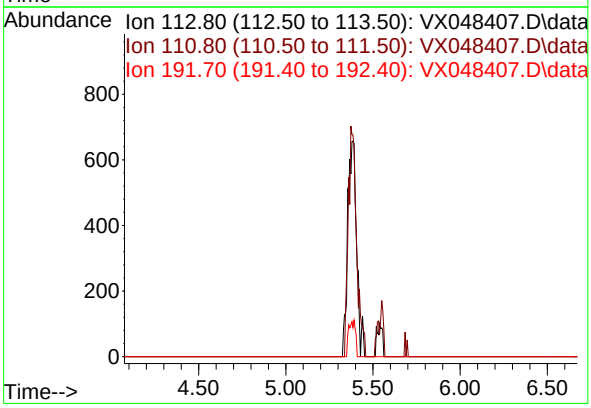


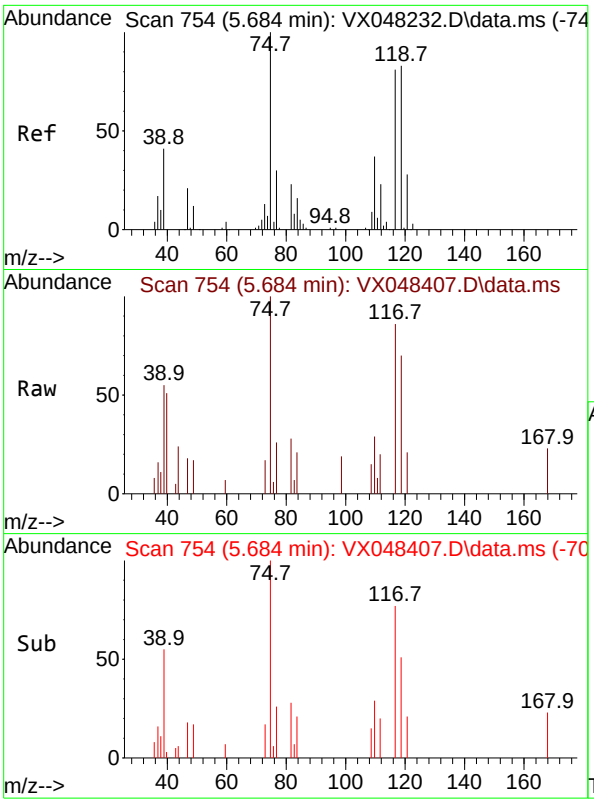
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.37 min

Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.8
192	18.9

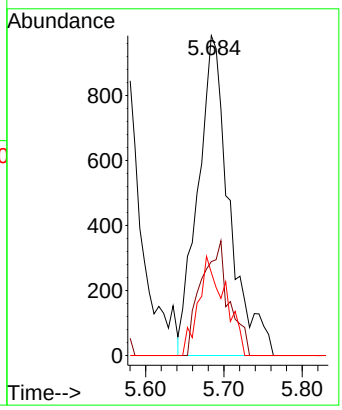




#36
1,1-Dichloropropene
Concen: 1.006 ug/l
RT: 5.684 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 75 Resp: 273

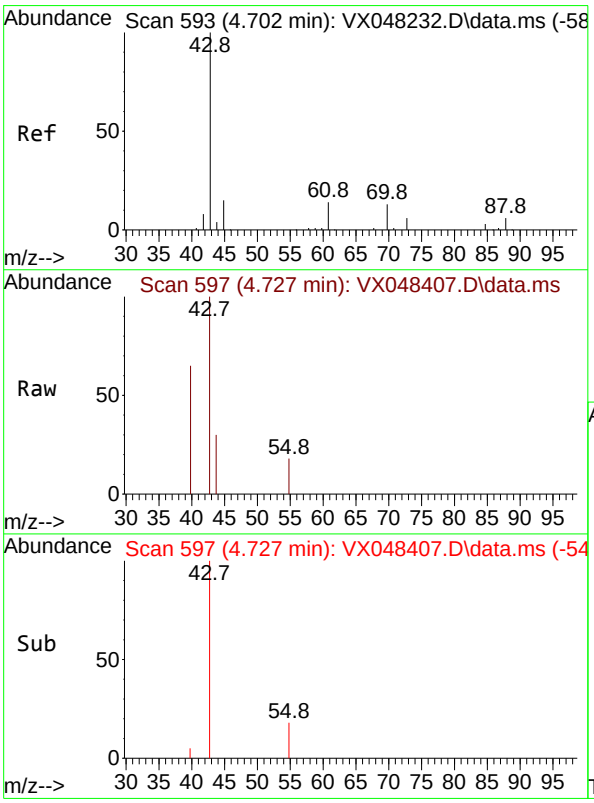
Ion	Ratio	Lower	Upper
75	100		
110	31.8	17.7	53.1
77	26.4	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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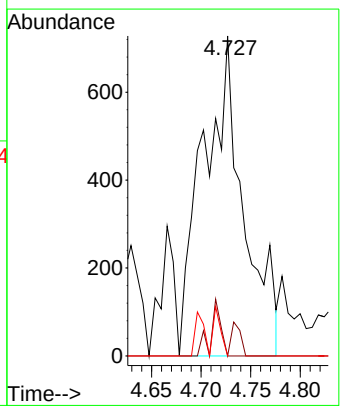
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

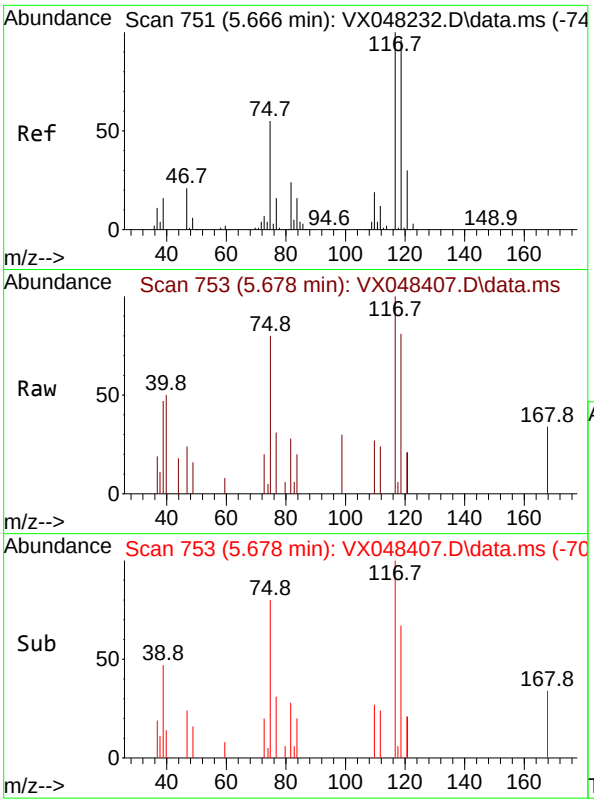


#37
Ethyl Acetate
Concen: 0.893 ug/l m
RT: 4.727 min Scan# 597
Delta R.T. 0.031 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 43 Resp: 2068

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	3.0	7.8	11.6#

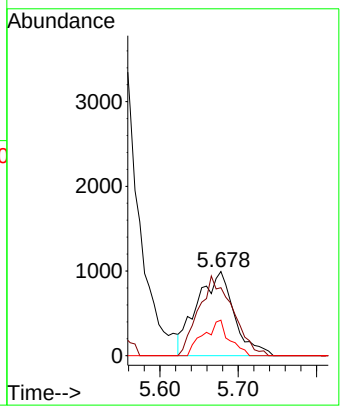




#38
Carbon Tetrachloride
Concen: 1.047 ug/l
RT: 5.678 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:117 Resp: 328

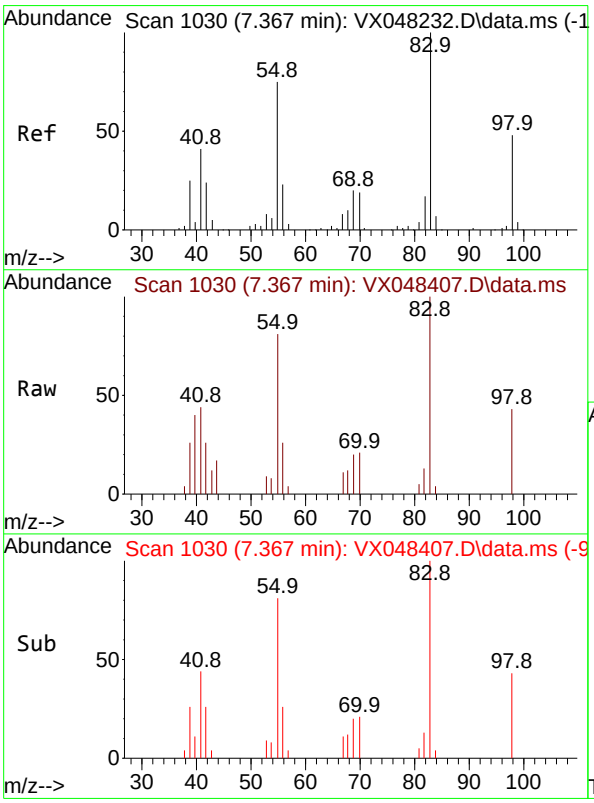
Ion	Ratio	Lower	Upper
117	100		
119	80.8	77.2	115.8
121	42.1	24.8	37.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

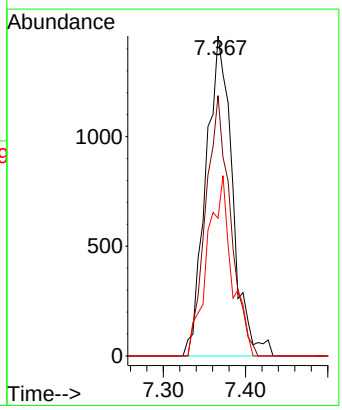
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

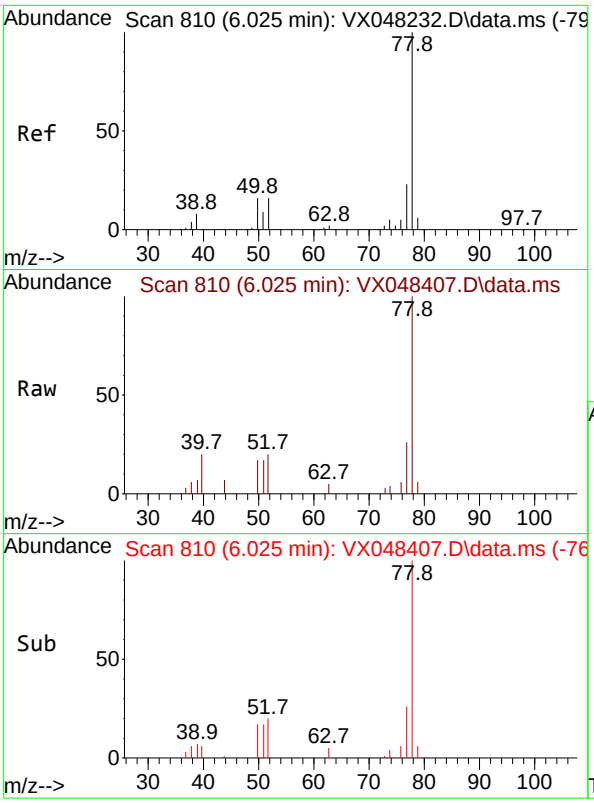


#39
Methylcyclohexane
Concen: 0.939 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 83 Resp: 3285

Ion	Ratio	Lower	Upper
83	100		
55	81.4	66.2	99.2
98	43.0	38.9	58.3

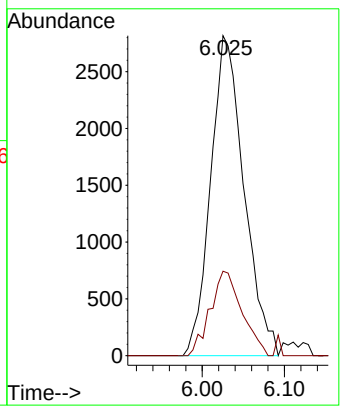




#40
Benzene
Concen: 0.955 ug/l
RT: 6.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 78 Resp: 793

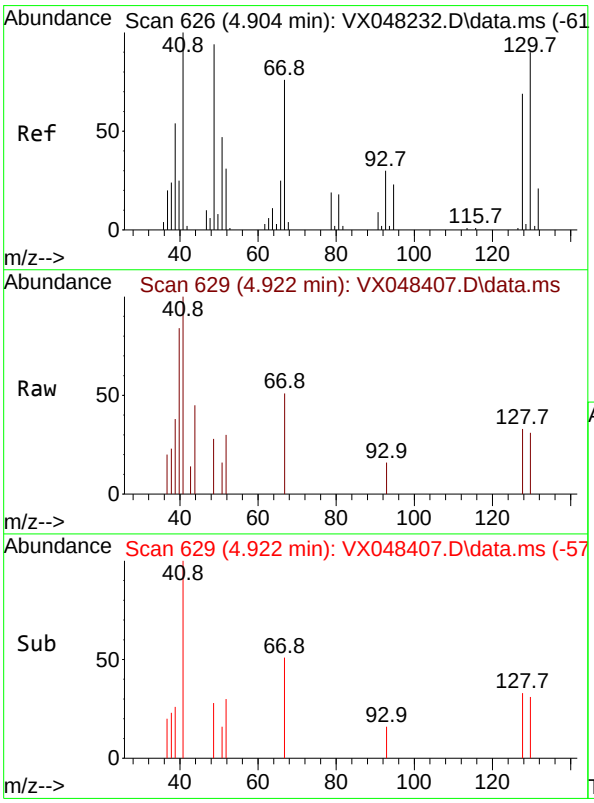
Ion	Ratio	Lower	Upper
78	100		
77	26.4	19.3	28.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

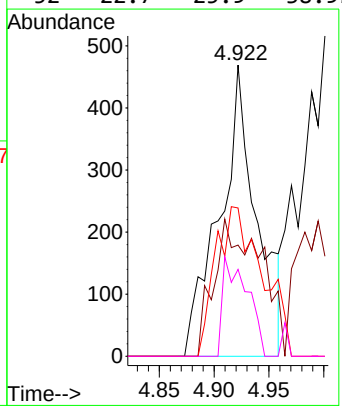
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

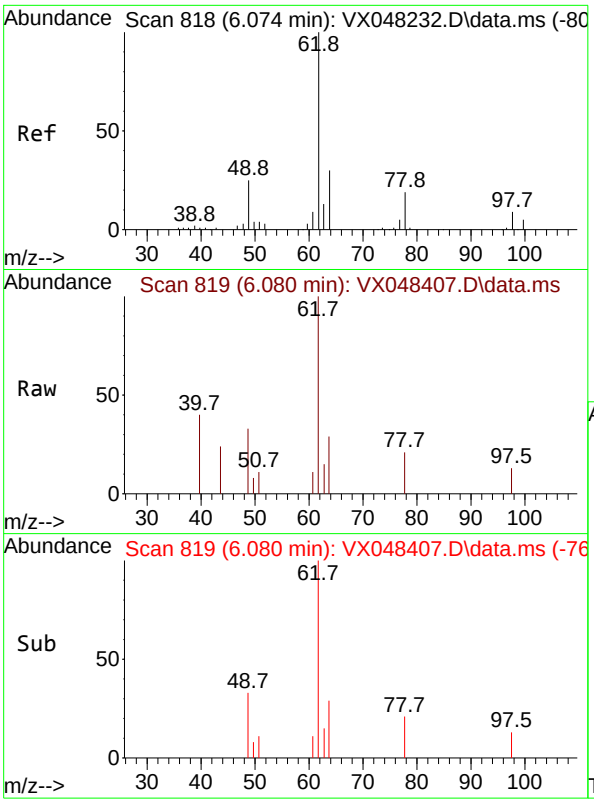


#41
Methacrylonitrile
Concen: 0.949 ug/l
RT: 4.922 min Scan# 629
Delta R.T. 0.012 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 41 Resp: 1107

Ion	Ratio	Lower	Upper
41	100		
39	35.8	44.0	66.0#
67	64.1	58.7	88.1
52	22.7	25.9	38.9#

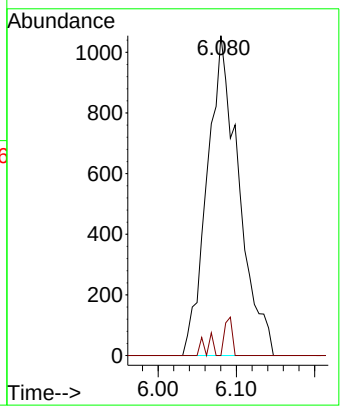




#42
1,2-Dichloroethane
Concen: 1.012 ug/l
RT: 6.080 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 62 Resp: 296

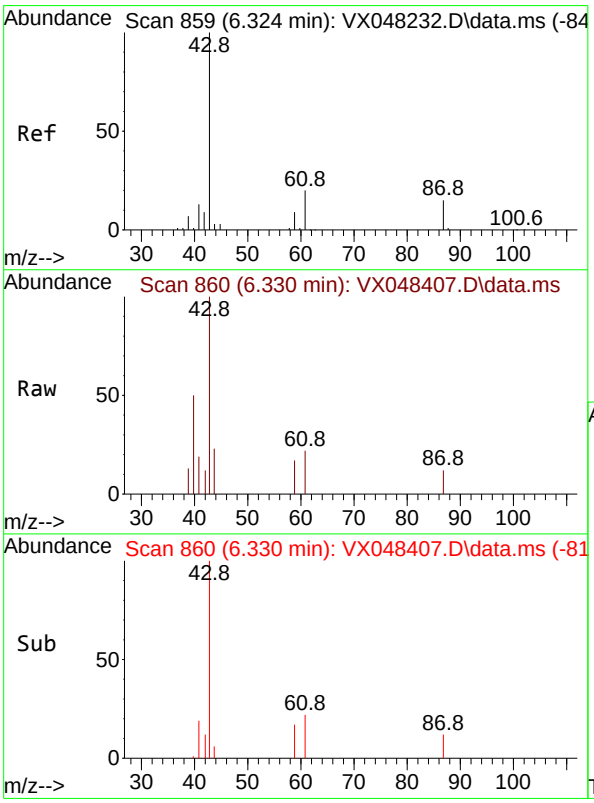
Ion	Ratio	Lower	Upper
62	100		
98	2.9	0.0	17.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

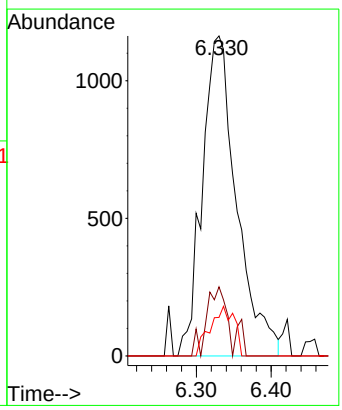
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

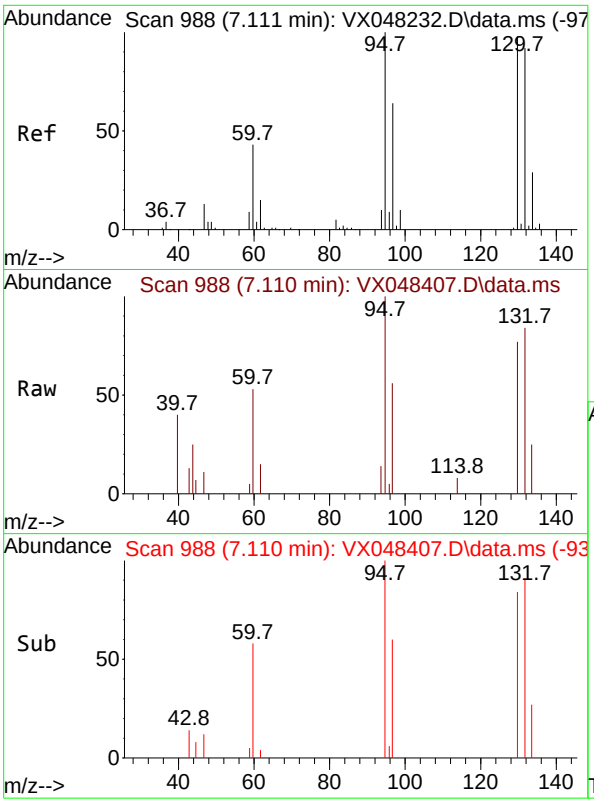


#43
Isopropyl Acetate
Concen: 0.973 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 43 Resp: 3721

Ion	Ratio	Lower	Upper
43	100		
61	12.2	14.9	22.3#
87	10.8	9.4	14.2

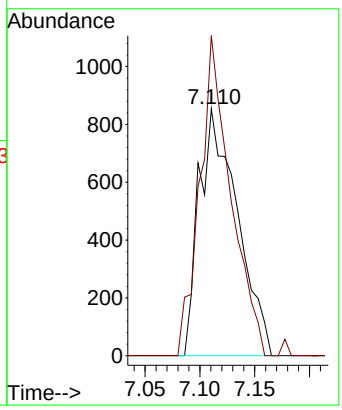




#44
Trichloroethene
Concen: 0.953 ug/l
RT: 7.110 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:130 Resp: 207

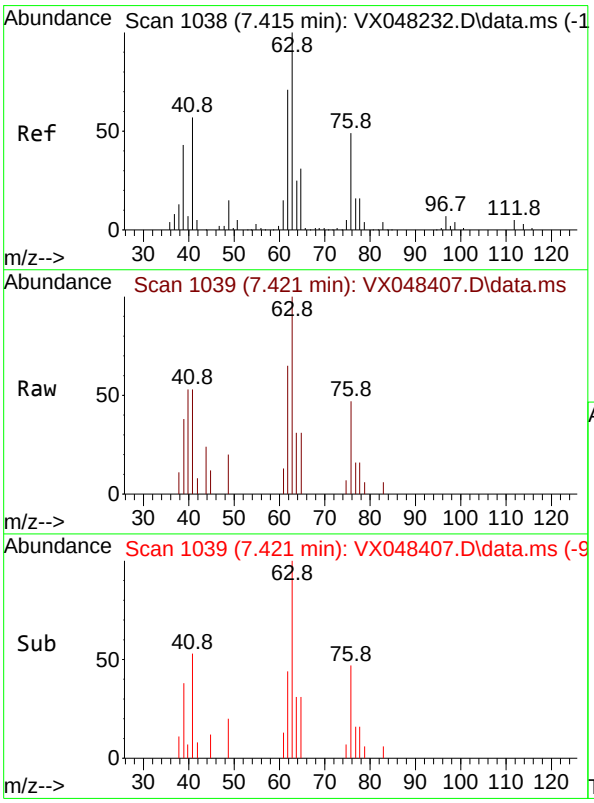
Ion	Ratio	Lower	Upper
130	100		
95	129.6	0.0	200.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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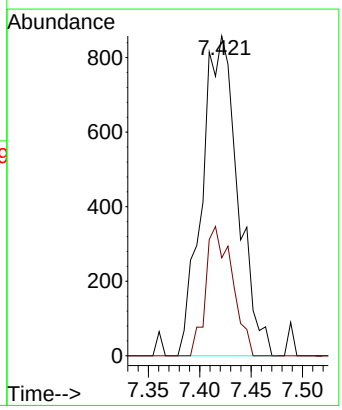
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

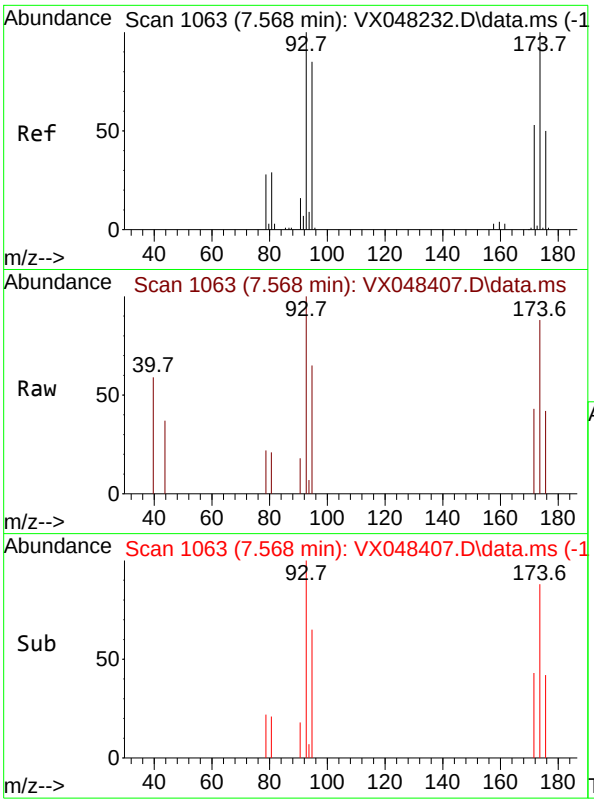


#45
1,2-Dichloropropane
Concen: 1.006 ug/l
RT: 7.421 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 63 Resp: 2087

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.1	36.1

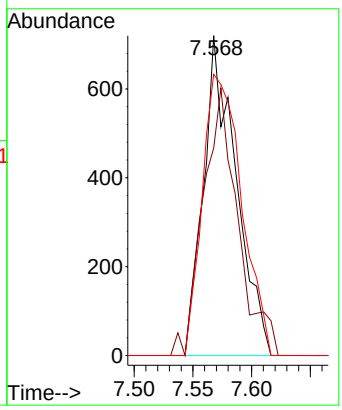




#46
Dibromomethane
Concen: 0.957 ug/l
RT: 7.568 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 93 Resp: 139

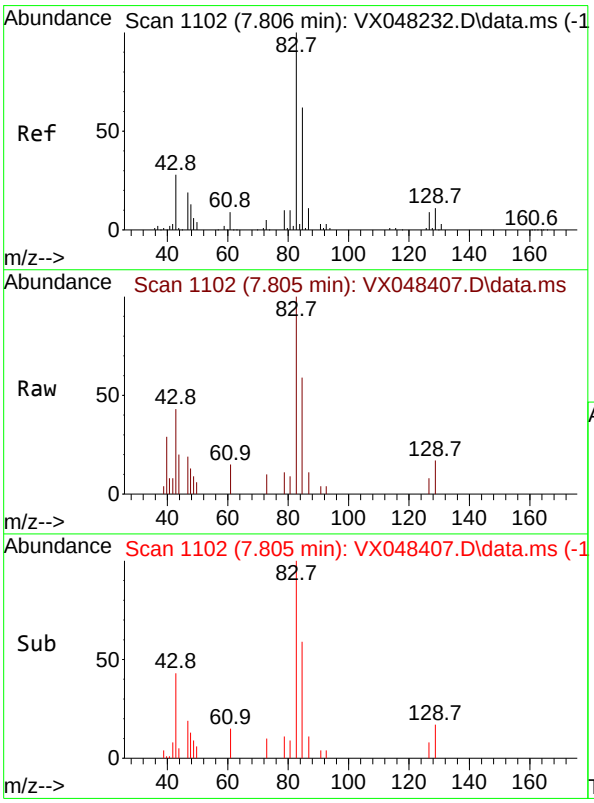
Ion	Ratio	Lower	Upper
93	100		
95	89.1	65.9	98.9
174	105.8	71.7	107.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

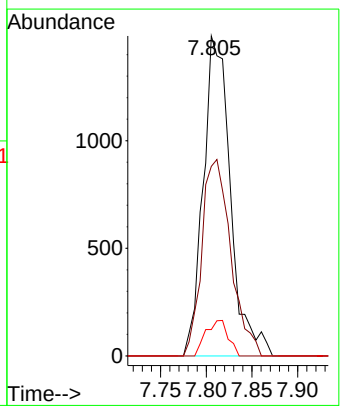
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

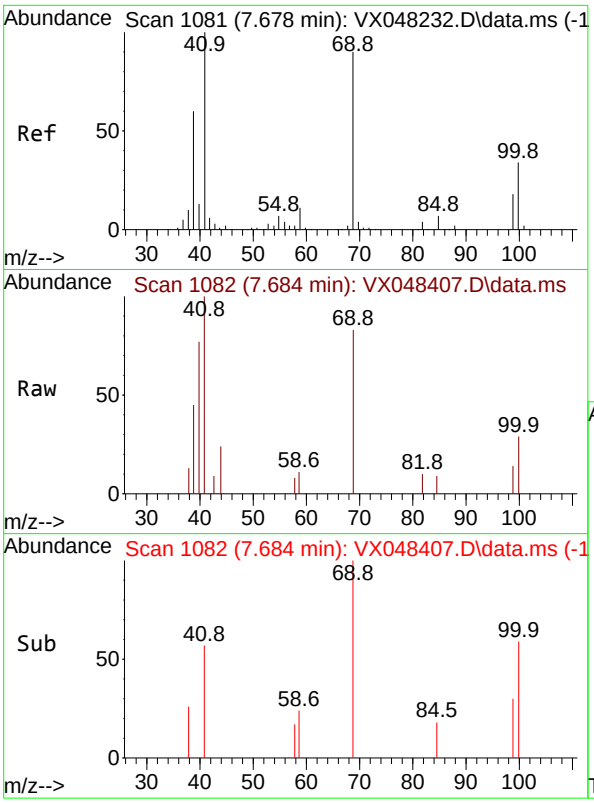


#47
Bromodichloromethane
Concen: 0.997 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 83 Resp: 3077

Ion	Ratio	Lower	Upper
83	100		
85	59.2	52.2	78.4
127	8.2	7.3	10.9

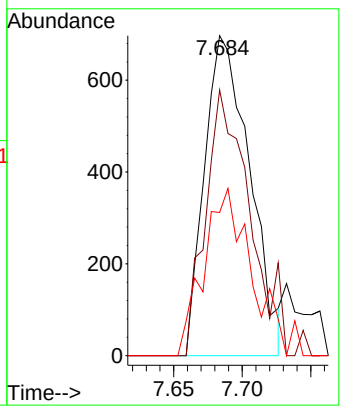




#48
Methyl methacrylate
Concen: 0.856 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 41 Resp: 159

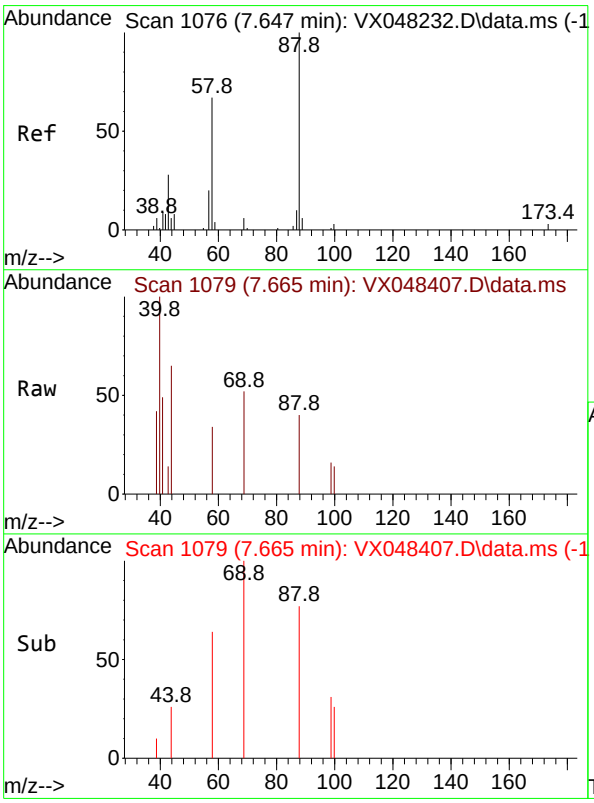
Ion	Ratio	Lower	Upper
41	100		
69	81.0	63.4	95.0
39	56.0	47.1	70.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

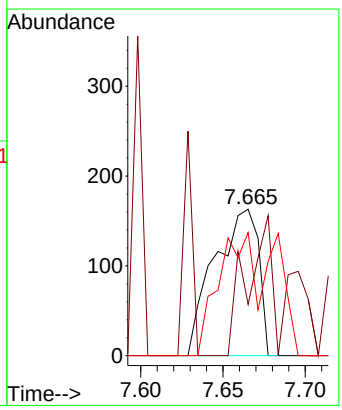
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

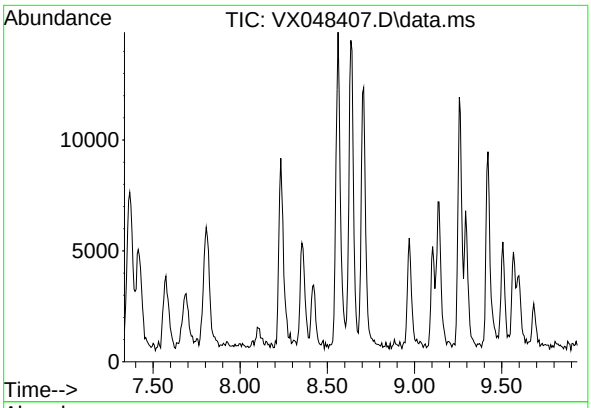


#49
1,4-Dioxane
Concen: 14.384 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.024 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 88 Resp: 305

Ion	Ratio	Lower	Upper
88	100		
43	0.0	35.0	52.4#
58	67.9	61.9	92.9





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

Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

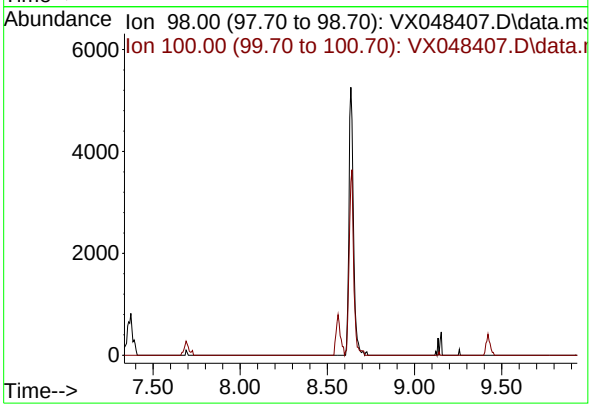
Tgt Ion: 98

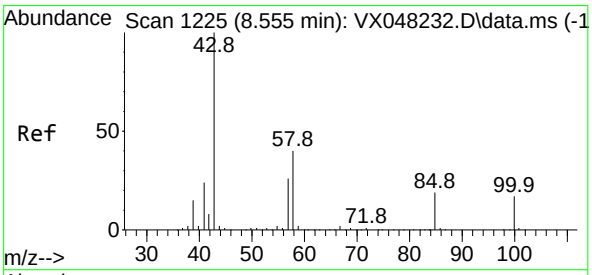
Sig	Exp Ratio
98	100
100	66.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

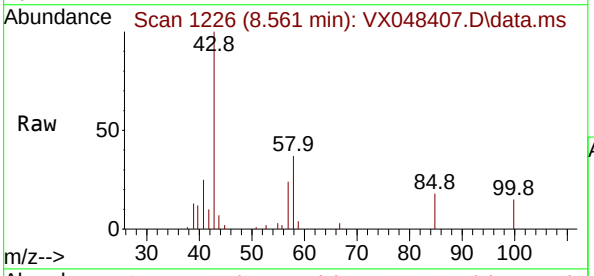


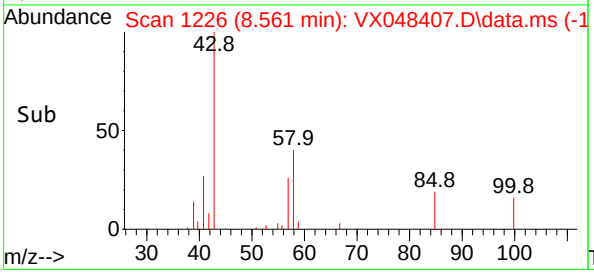


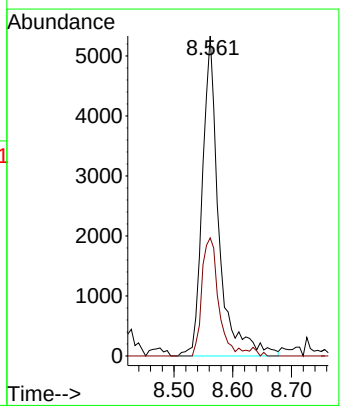
#51
4-Methyl-2-Pentanone
Concen: 4.884 ug/l
RT: 8.561 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

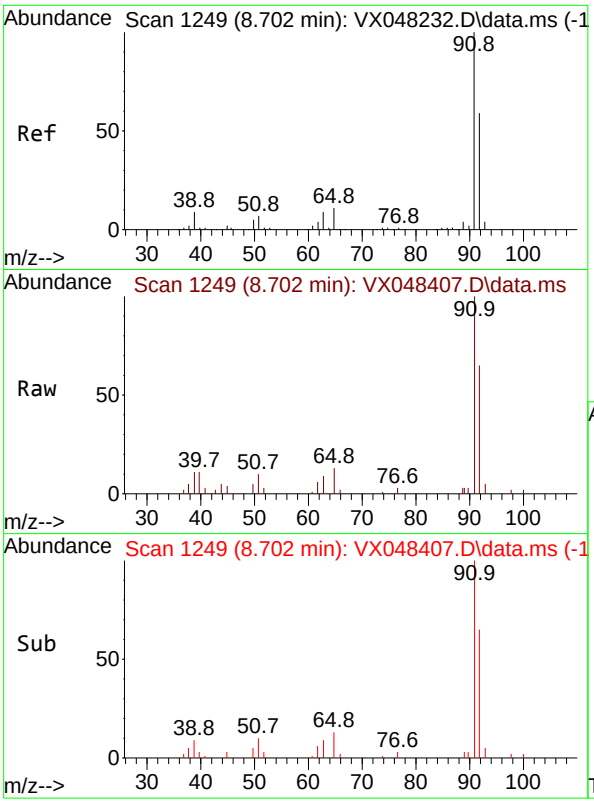
Tgt Ion: 43 Resp: 10398

Ion	Ratio	Lower	Upper
43	100		
58	37.7	29.5	44.3





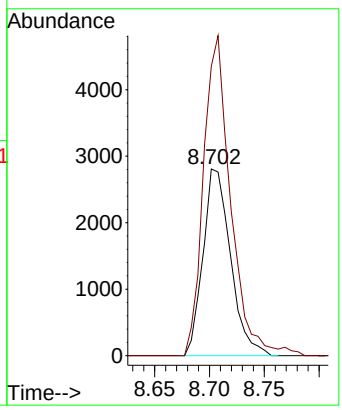




#52
Toluene
Concen: 0.945 ug/l
RT: 8.702 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 92 Resp: 490

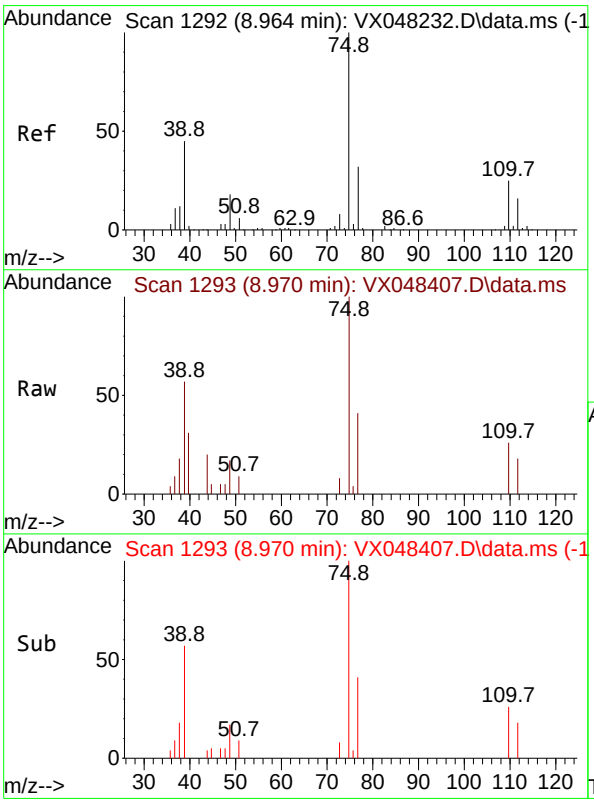
Ion	Ratio	Lower	Upper
92	100		
91	169.2	136.1	204.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

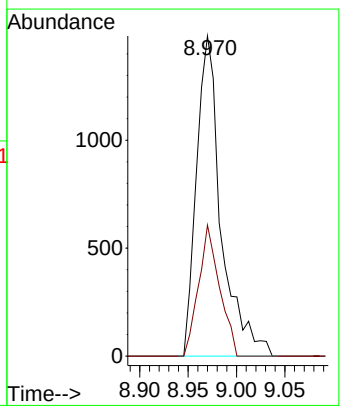
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

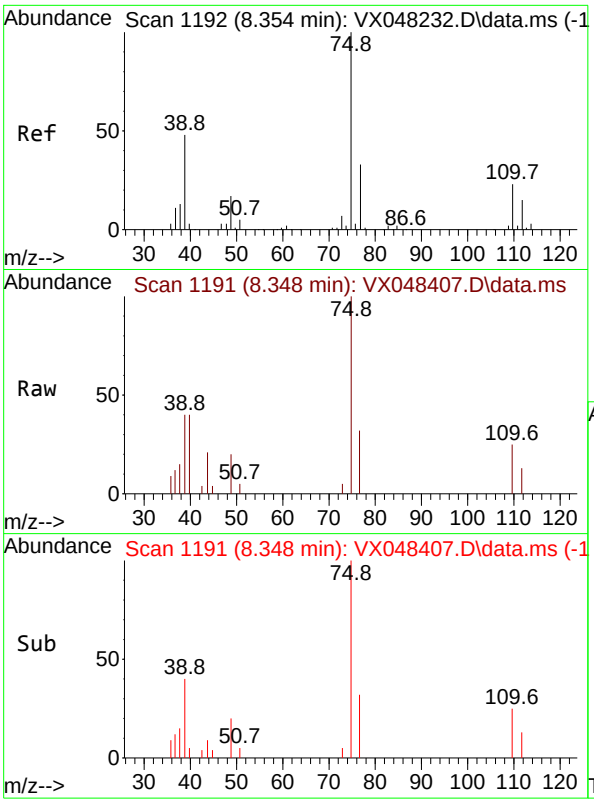


#53
t-1,3-Dichloropropene
Concen: 0.940 ug/l
RT: 8.970 min Scan# 1293
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 75 Resp: 2630

Ion	Ratio	Lower	Upper
75	100		
77	40.9	25.0	37.6#

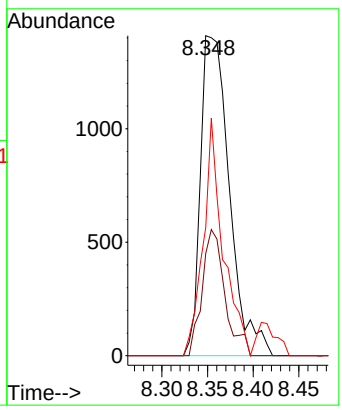




#54
cis-1,3-Dichloropropene
Concen: 1.035 ug/l
RT: 8.348 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 75 Resp: 311

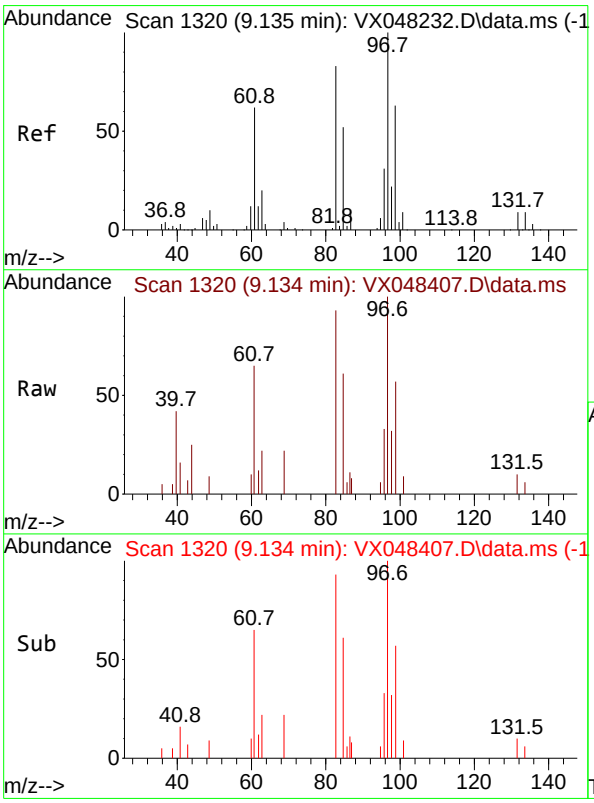
Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	9.3	42.6	64.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

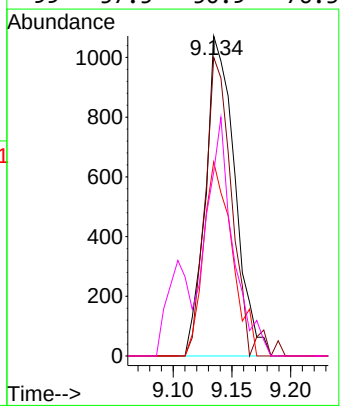
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

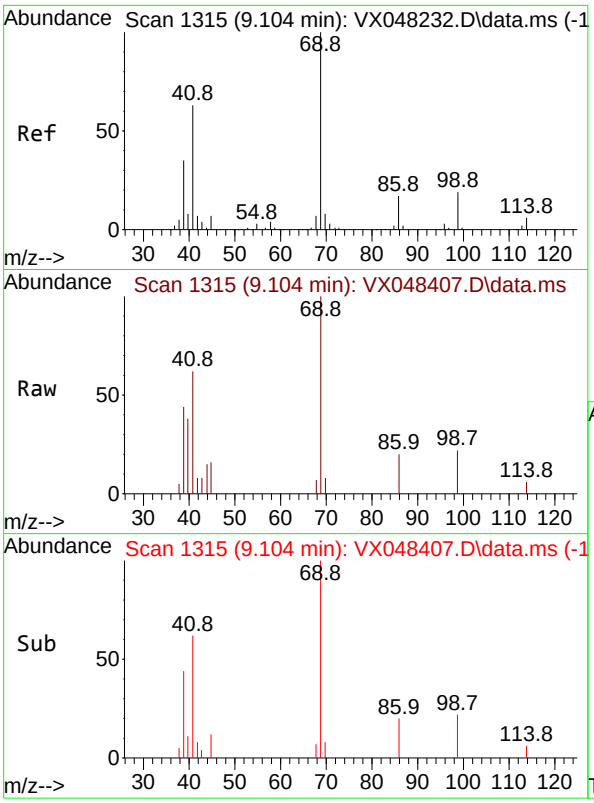


#55
1,1,2-Trichloroethane
Concen: 0.994 ug/l
RT: 9.134 min Scan# 1320
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 97 Resp: 1867

Ion	Ratio	Lower	Upper
97	100		
83	93.3	70.6	105.8
85	60.6	45.0	67.6
99	57.5	50.9	76.3

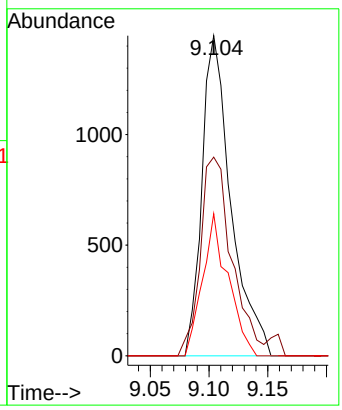




#56
Ethyl methacrylate
Concen: 0.902 ug/l
RT: 9.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 69 Resp: 248

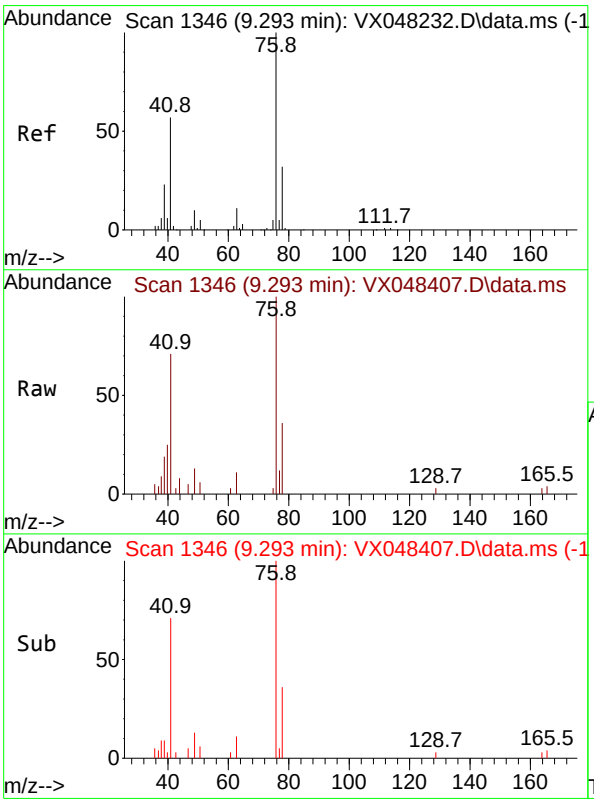
Ion	Ratio	Lower	Upper
69	100		
41	67.6	56.0	84.0
39	39.2	31.6	47.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

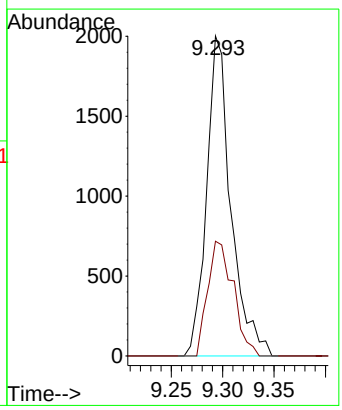
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

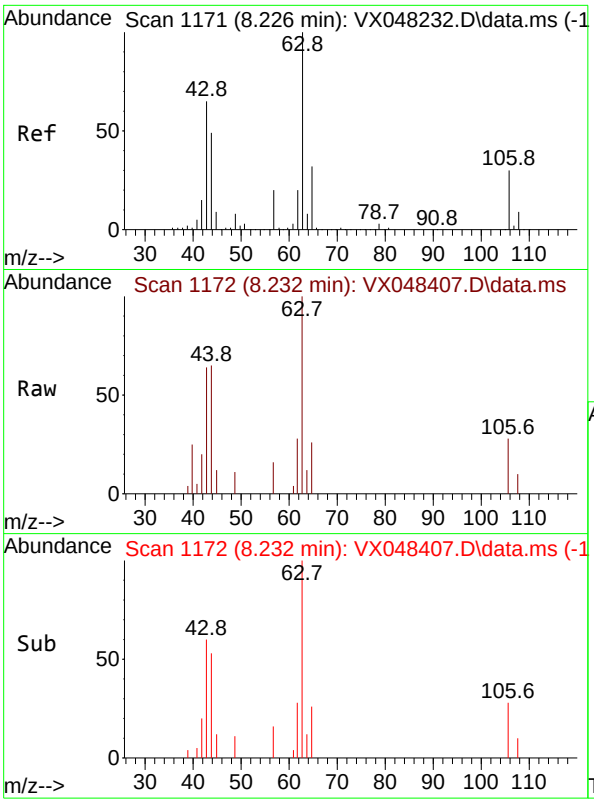


#57
1,3-Dichloropropane
Concen: 1.008 ug/l
RT: 9.293 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 76 Resp: 3283

Ion	Ratio	Lower	Upper
76	100		
78	37.8	25.4	38.0





#58
2-Chloroethyl Vinyl ether
Concen: 11.715 ug/l
RT: 8.232 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

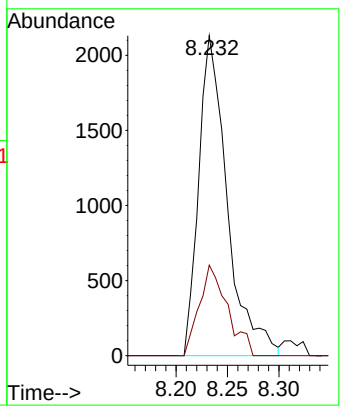
Tgt Ion: 63 Resp: 412

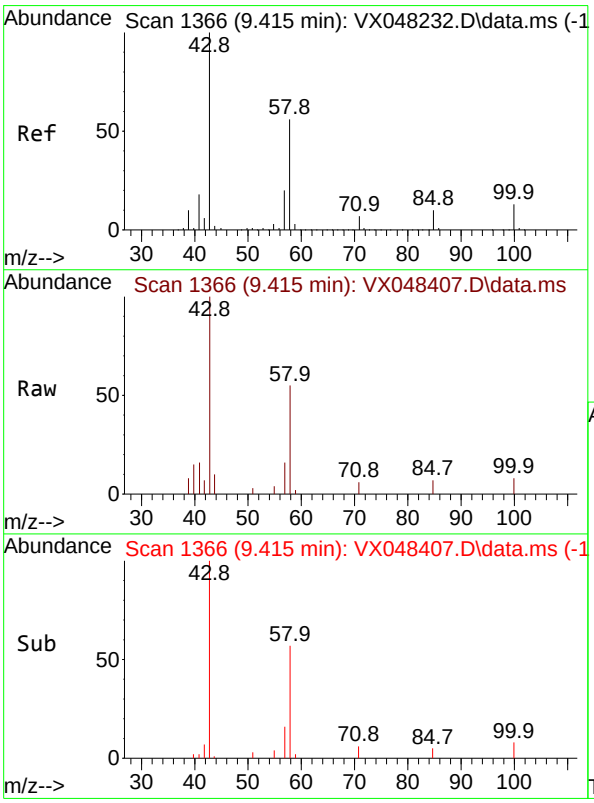
Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.2	33.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

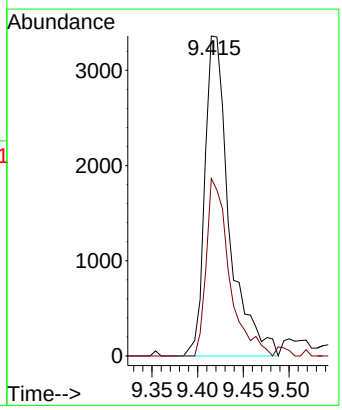


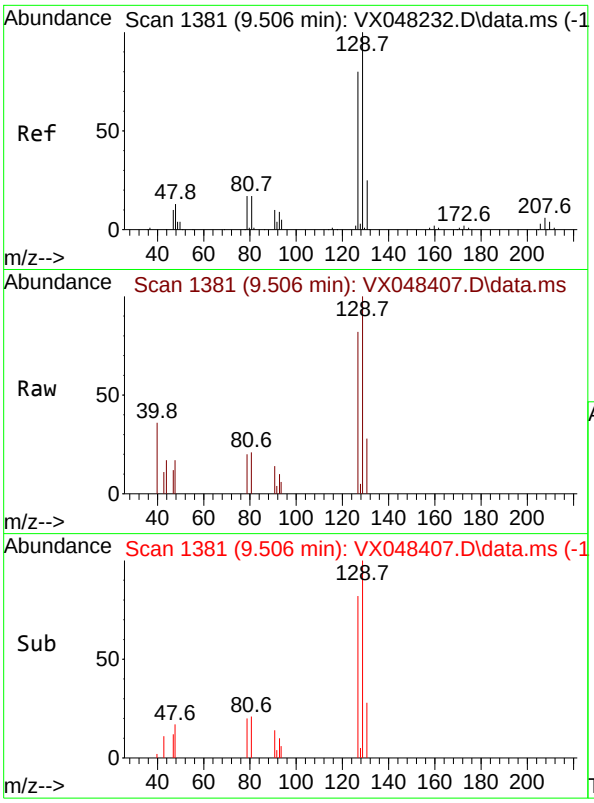


#59
2-Hexanone
Concen: 4.492 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 43 Resp: 6222

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.3	78.8

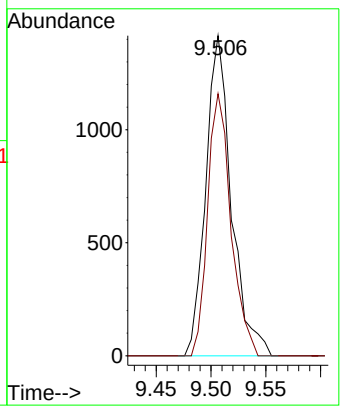




#60
Dibromochloromethane
Concen: 0.991 ug/l
RT: 9.506 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:129 Resp: 230

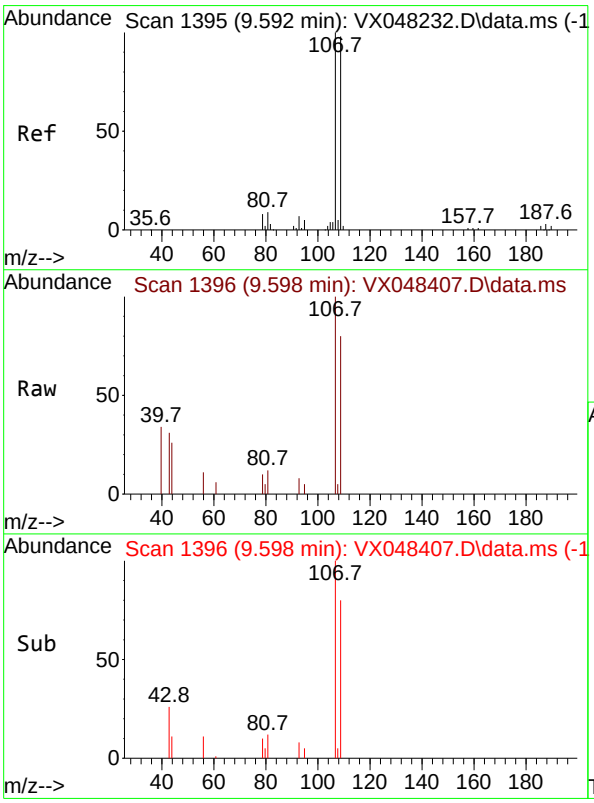
Ion	Ratio	Lower	Upper
129	100		
127	74.3	38.6	115.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

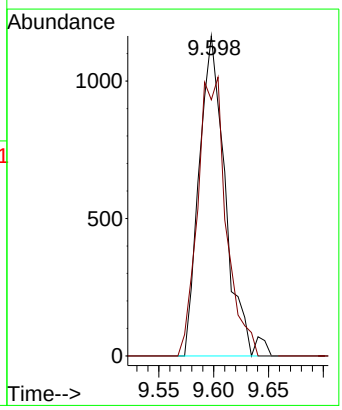
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

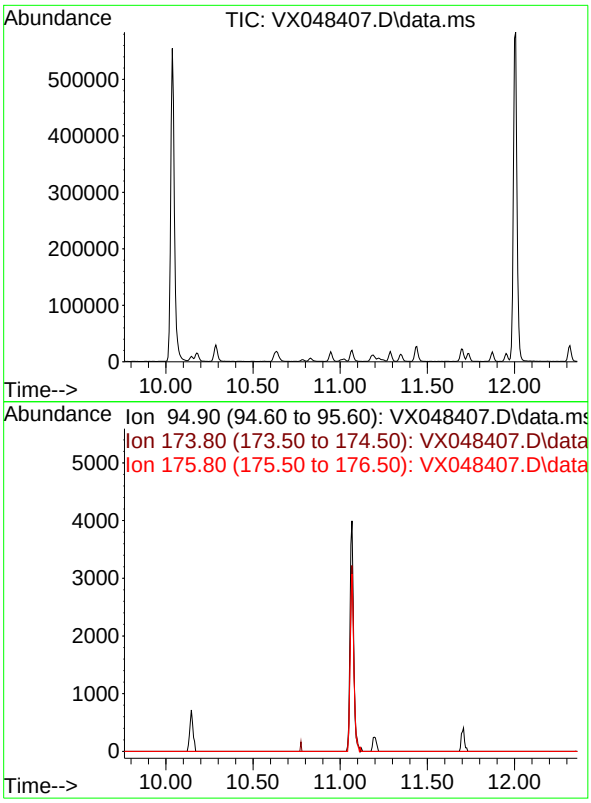


#61
1,2-Dibromoethane
Concen: 0.994 ug/l
RT: 9.598 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:107 Resp: 1932

Ion	Ratio	Lower	Upper
107	100		
109	94.8	77.0	115.4





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

Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

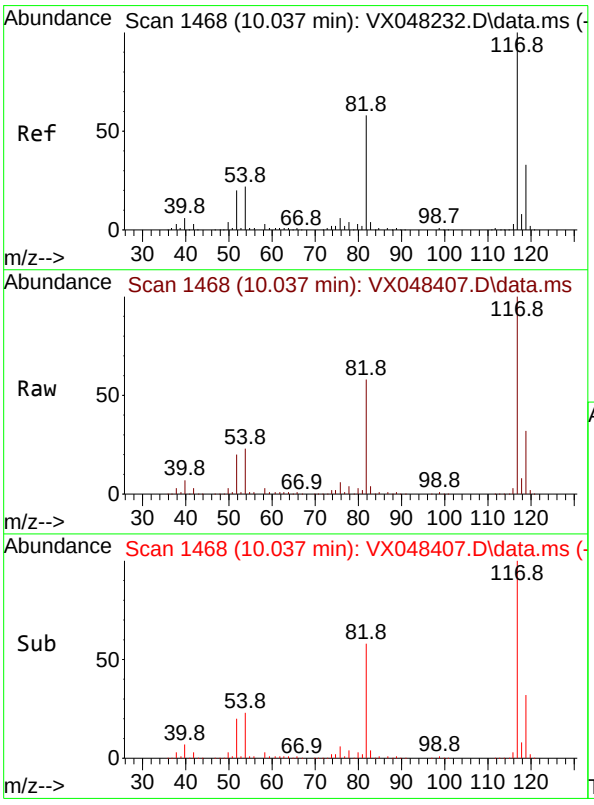
Tgt Ion: 95

Sig	Exp Ratio
95	100
174	73.9
176	71.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

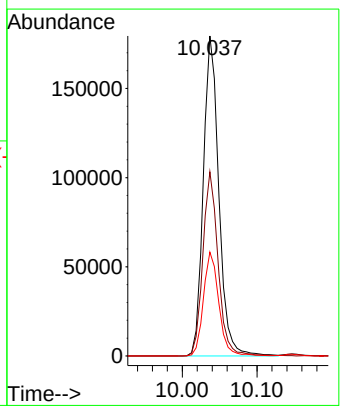
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

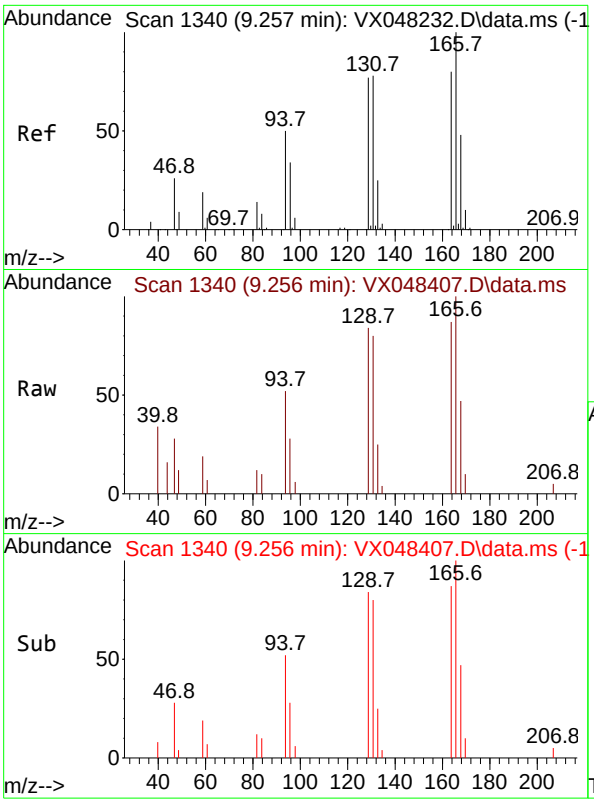


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:117 Resp: 259052

Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.5	69.7
119	32.5	25.9	38.9

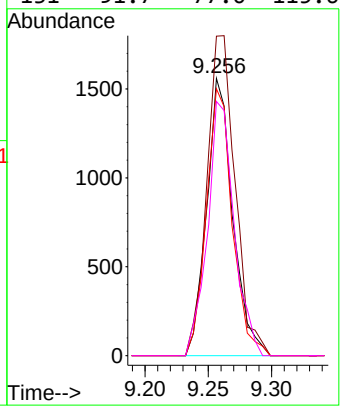




#64
Tetrachloroethene
Concen: 1.076 ug/l
RT: 9.256 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:164 Resp: 224

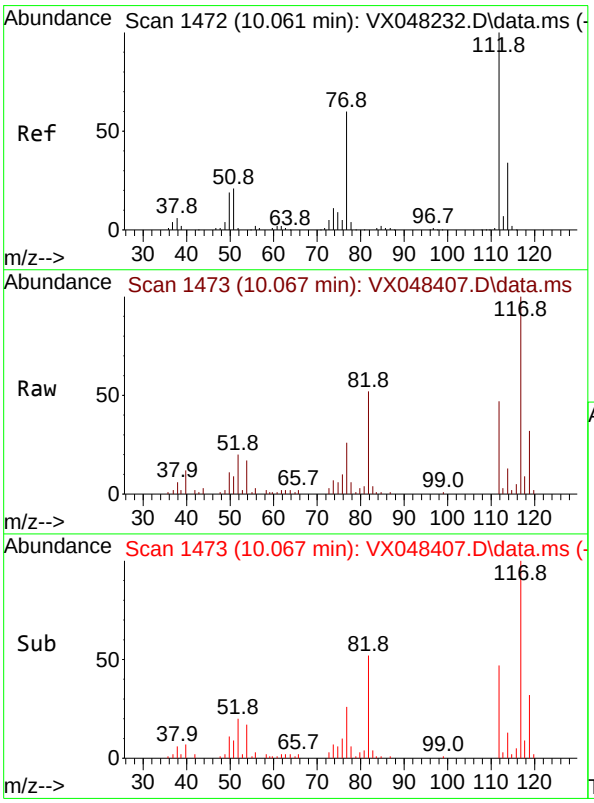
Ion	Ratio	Lower	Upper
164	100		
166	115.2	104.5	156.7
129	96.2	81.8	122.6
131	91.7	77.0	115.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

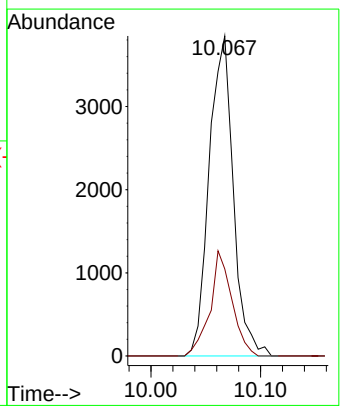
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

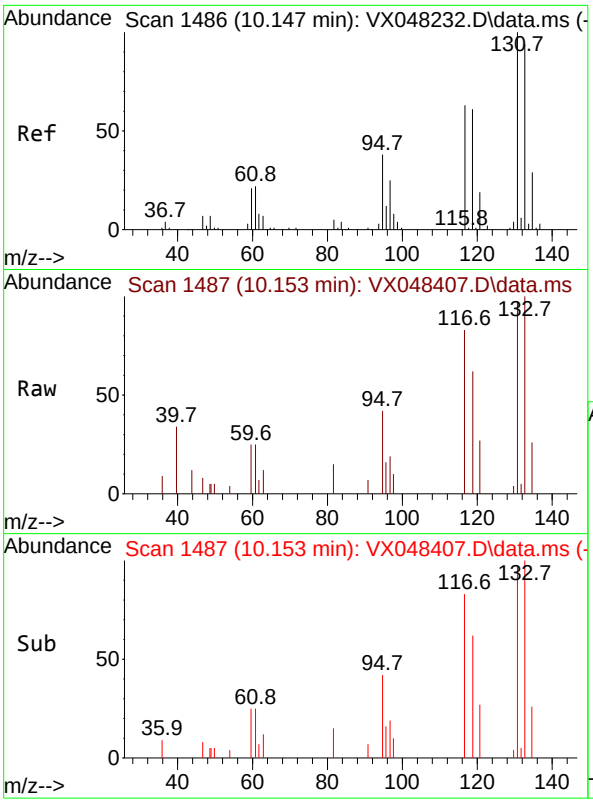


#65
Chlorobenzene
Concen: 0.986 ug/l
RT: 10.067 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:112 Resp: 5883

Ion	Ratio	Lower	Upper
112	100		
114	27.2	26.2	39.2

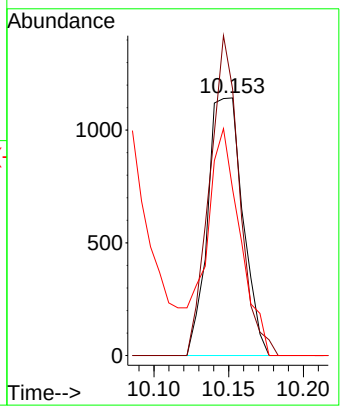




#66
1,1,1,2-Tetrachloroethane
Concen: 0.919 ug/l
RT: 10.153 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:131 Resp: 186

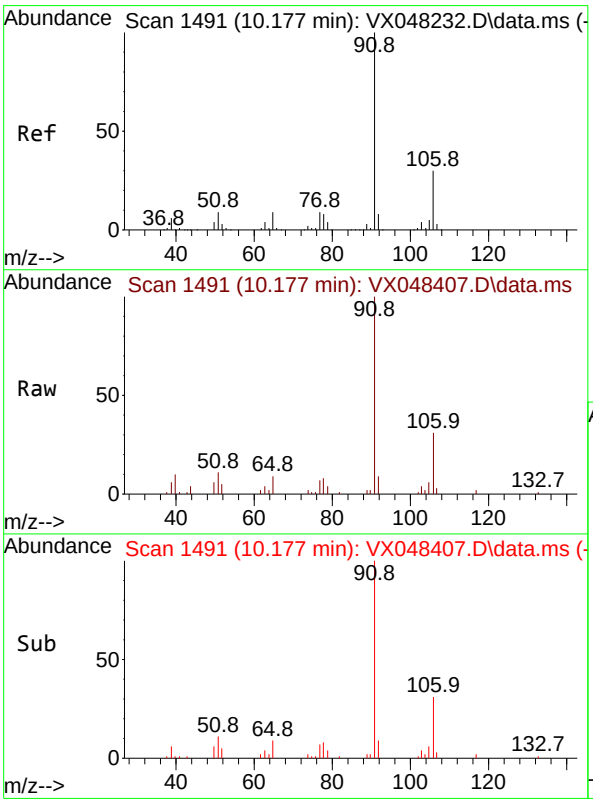
Ion	Ratio	Lower	Upper
131	100		
133	105.6	47.6	142.8
119	0.0	32.5	97.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

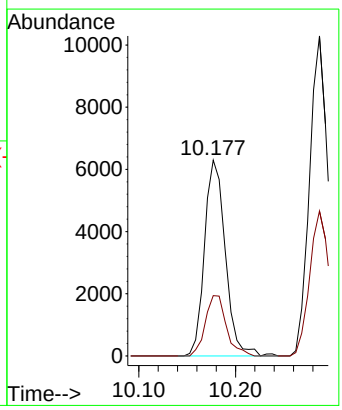
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

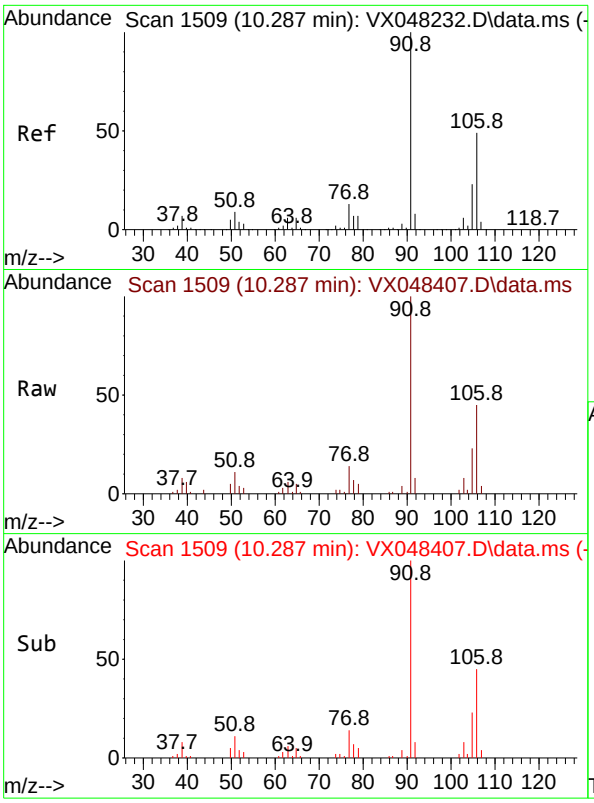


#67
Ethyl Benzene
Concen: 0.941 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 91 Resp: 9455

Ion	Ratio	Lower	Upper
91	100		
106	33.6	23.8	35.6





#68
m/p-Xylenes
Concen: 1.805 ug/l
RT: 10.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

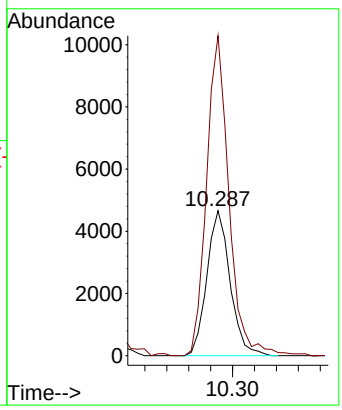
Tgt Ion:106 Resp: 686

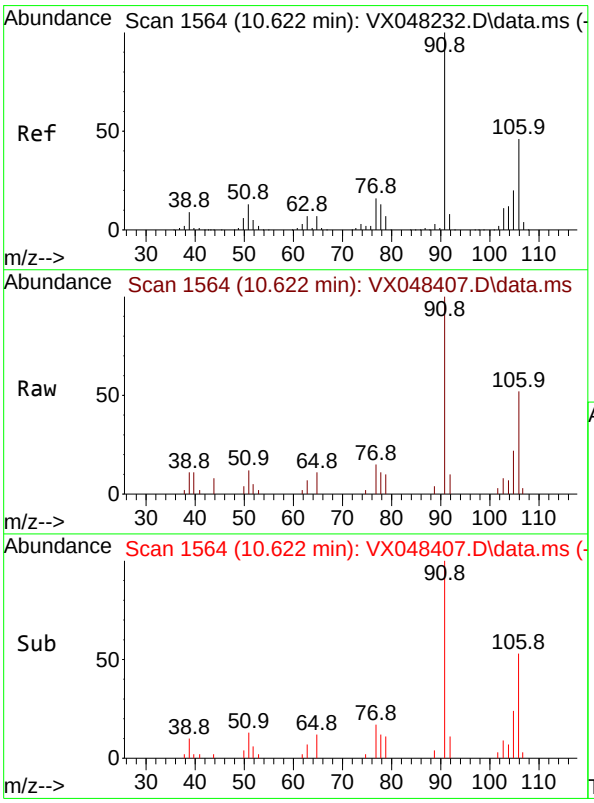
Ion	Ratio	Lower	Upper
106	100		
91	212.4	167.9	251.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

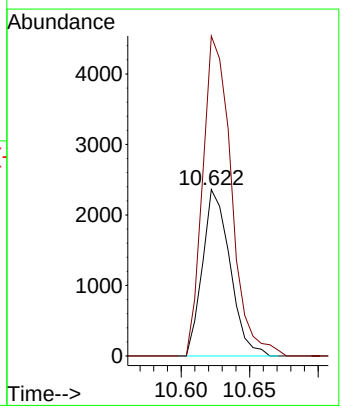


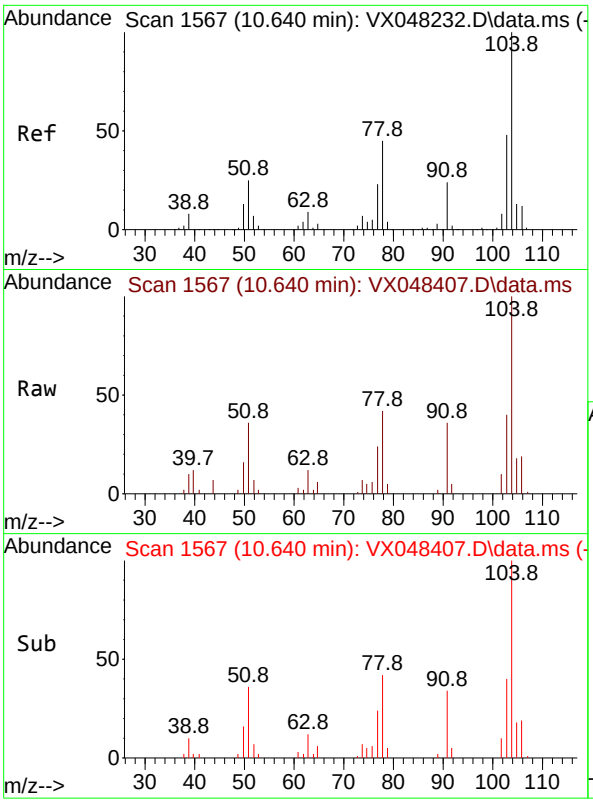


#69
o-Xylene
Concen: 0.906 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:106 Resp: 3294

Ion	Ratio	Lower	Upper
106	100		
91	200.2	111.3	333.9

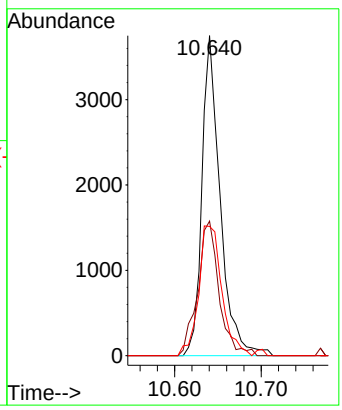




#70
Styrene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:104 Resp: 548

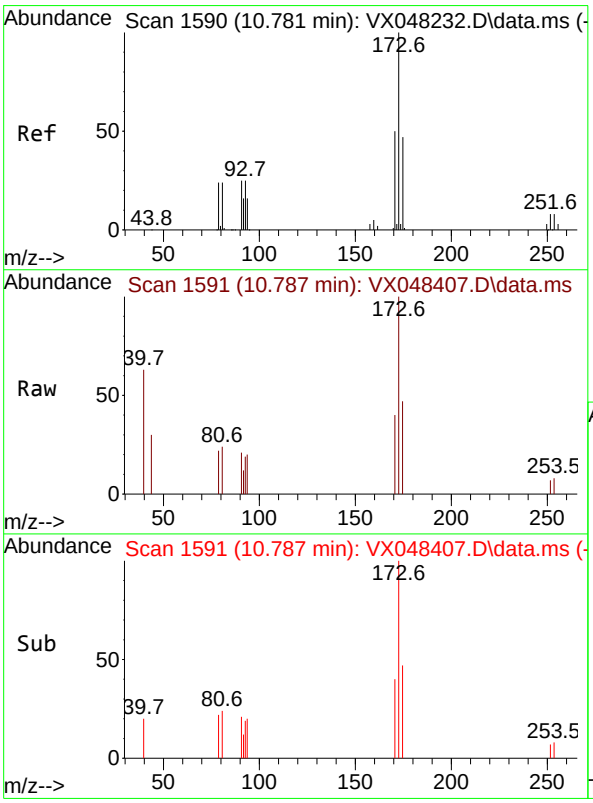
Ion	Ratio	Lower	Upper
104	100		
78	49.4	42.2	63.4
103	51.7	43.0	64.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

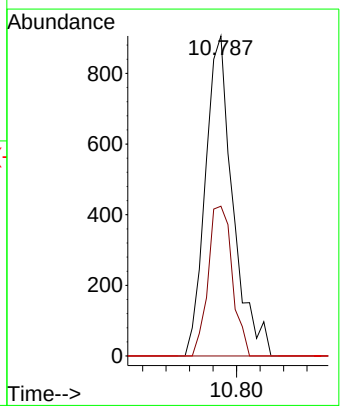
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

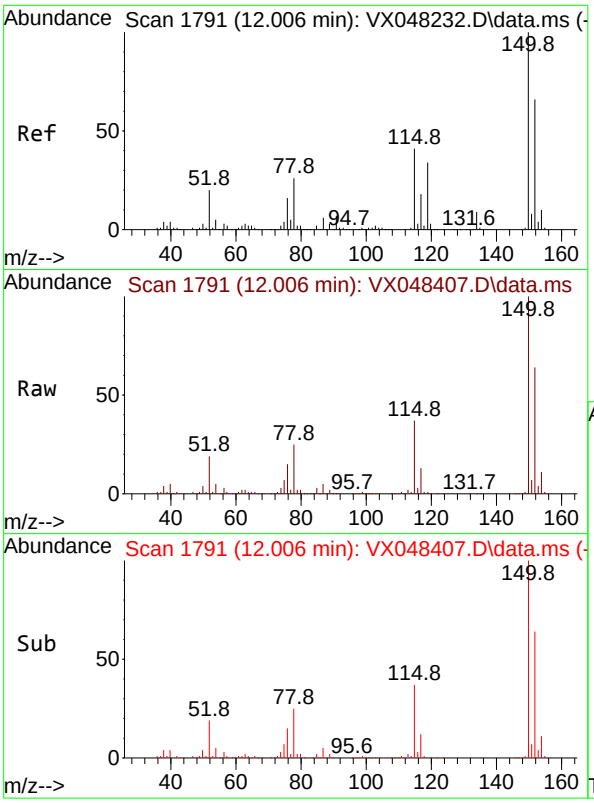


#71
Bromoform
Concen: 1.002 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:173 Resp: 1471

Ion	Ratio	Lower	Upper
173	100		
175	41.2	24.0	72.0
254	0.0	0.0	0.0

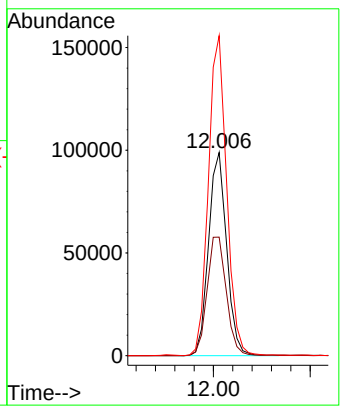




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:152 Resp: 12900

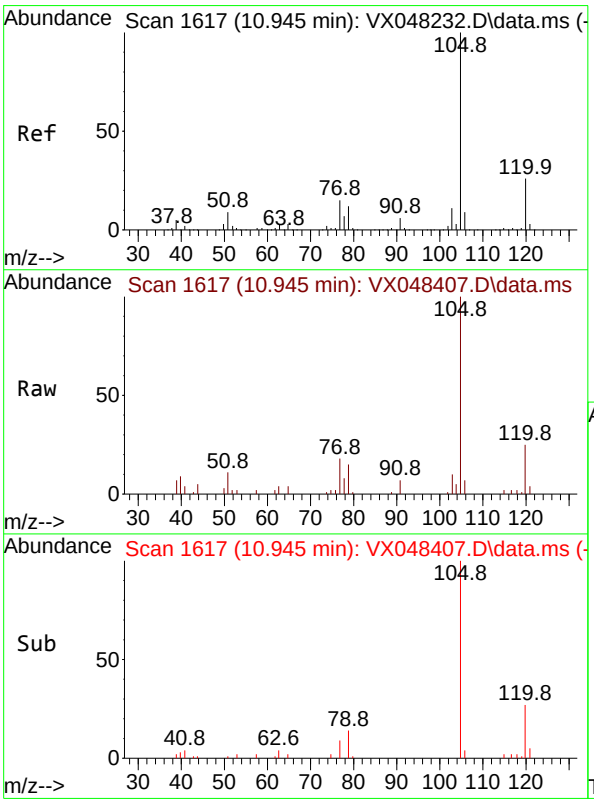
Ion	Ratio	Lower	Upper
152	100		
115	62.2	43.1	129.4
150	158.7	0.0	353.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

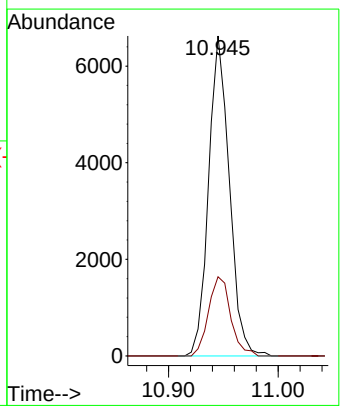
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

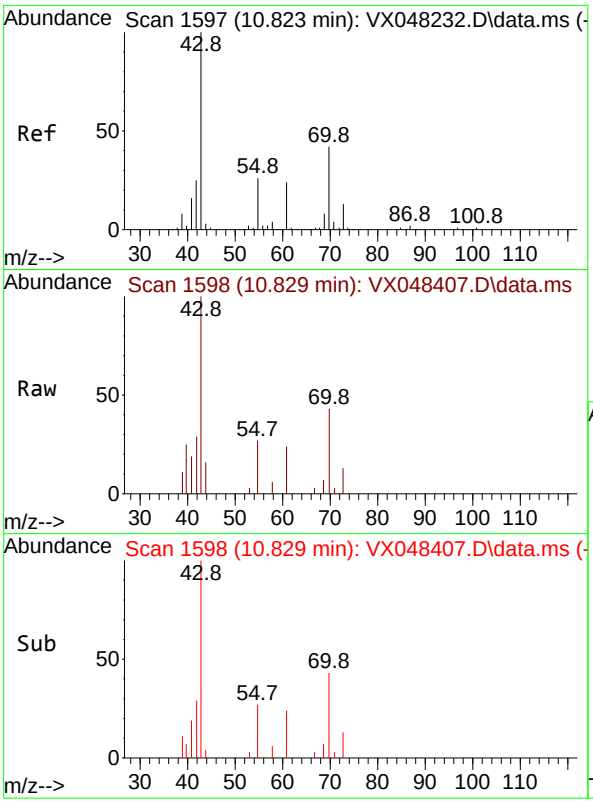


#73
Isopropylbenzene
Concen: 0.912 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:105 Resp: 8700

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	38.9

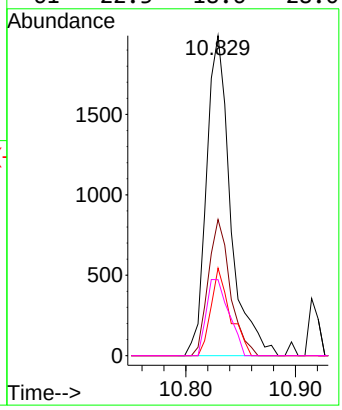




#74
N-amyl acetate
Concen: 0.891 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 43 Resp: 303

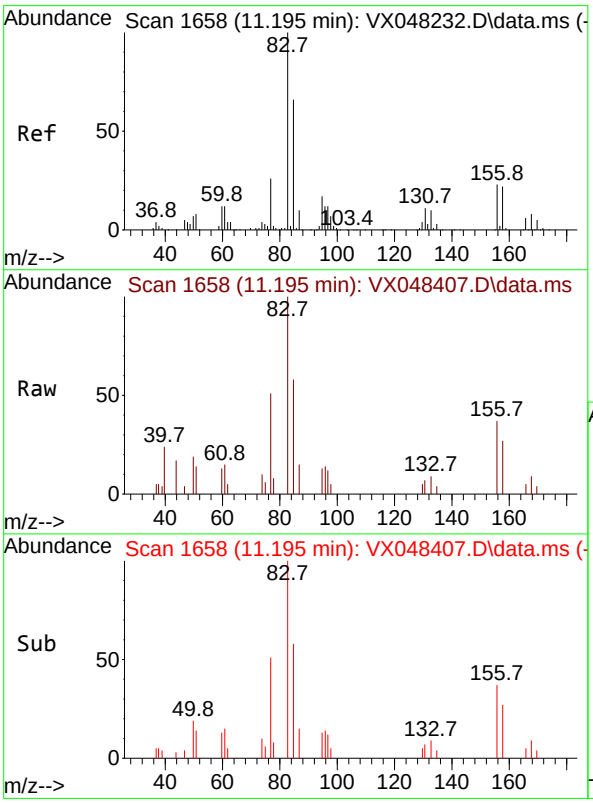
Ion	Ratio	Lower	Upper
43	100		
70	38.9	32.2	48.2
55	22.0	19.1	28.7
61	22.3	18.6	28.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

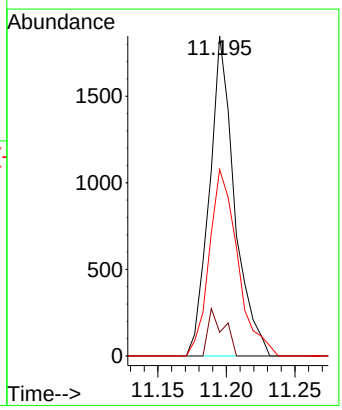
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

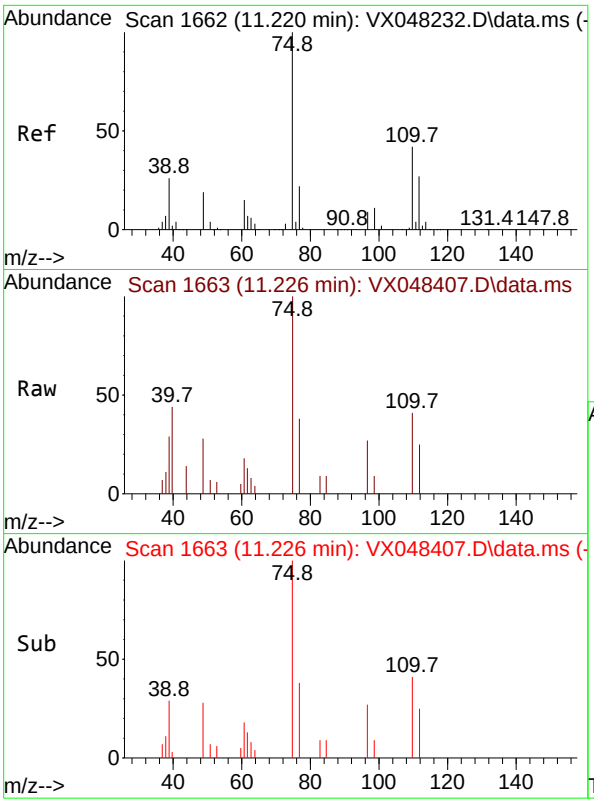


#75
1,1,2,2-Tetrachloroethane
Concen: 0.976 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 83 Resp: 2360

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.4
85	66.0	31.9	95.7

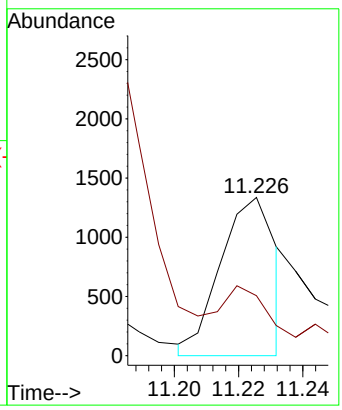




#76
1,2,3-Trichloropropane
Concen: 0.791 ug/l m
RT: 11.226 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 75 Resp: 159

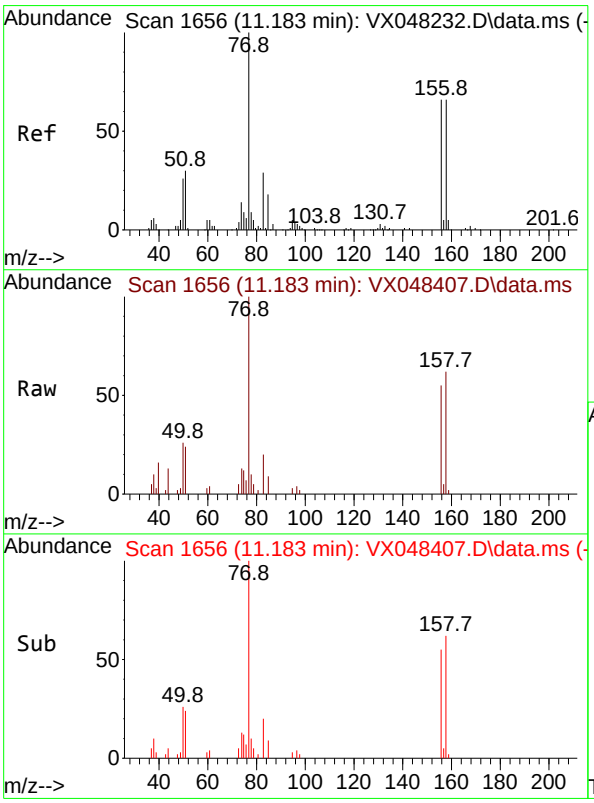
Ion	Ratio	Lower	Upper
75	100		
77	58.1	22.4	67.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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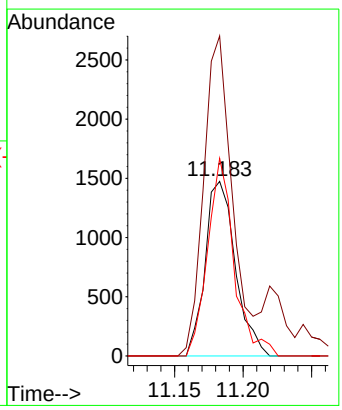
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

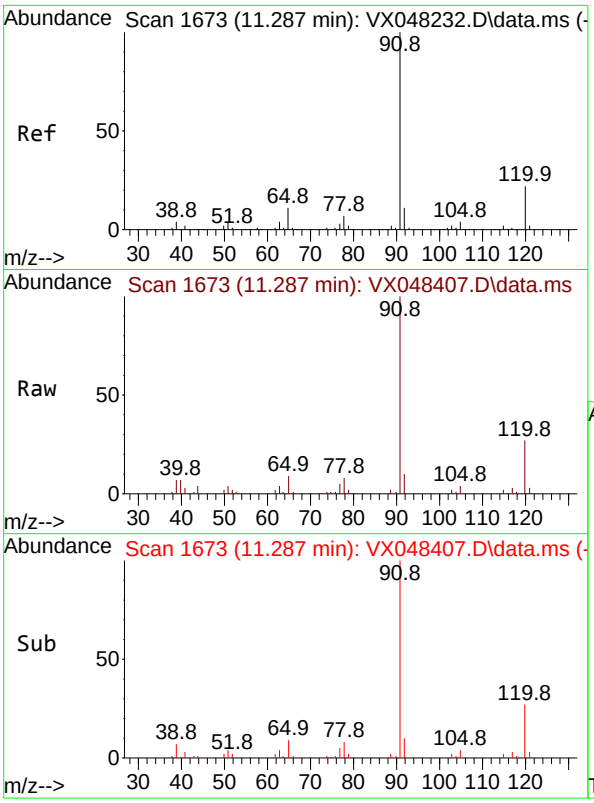


#77
Bromobenzene
Concen: 0.960 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:156 Resp: 2263

Ion	Ratio	Lower	Upper
156	100		
77	171.3	87.0	261.0
158	99.2	47.8	143.4





#78
n-propylbenzene
Concen: 0.886 ug/l
RT: 11.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

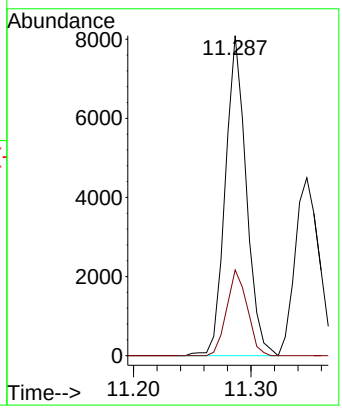
Tgt Ion: 91 Resp: 998

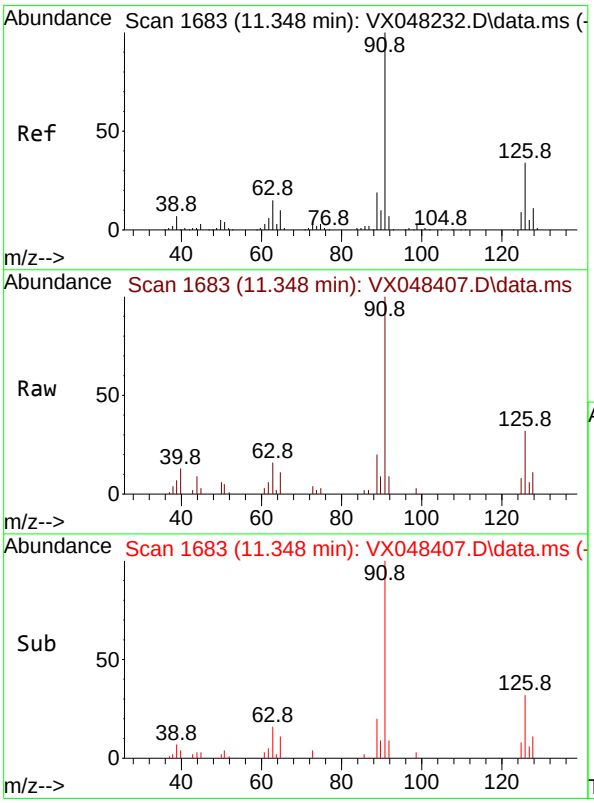
Ion	Ratio	Lower	Upper
91	100		
120	26.2	11.1	33.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

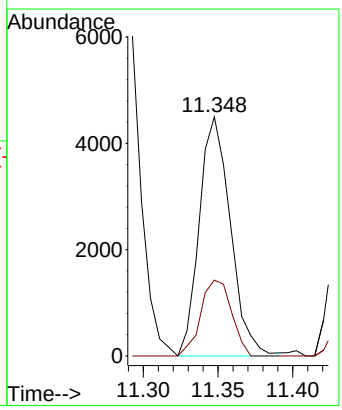


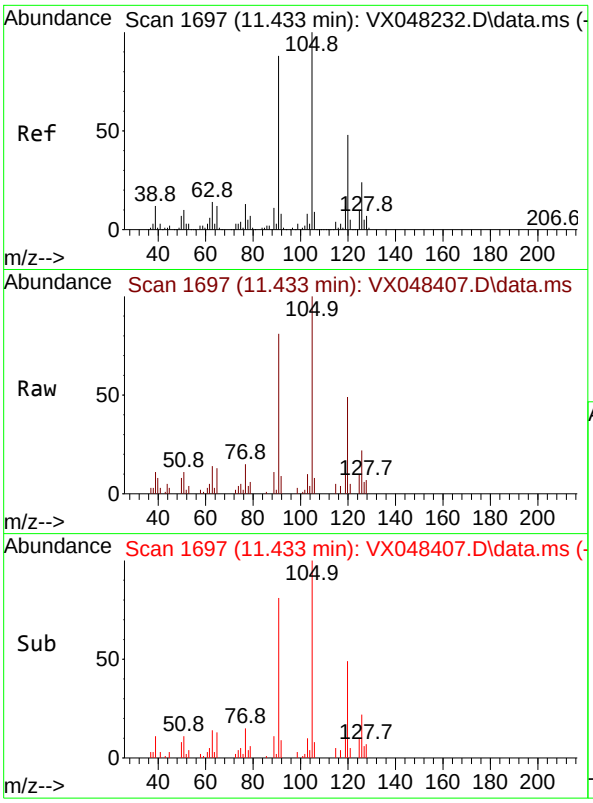


#79
2-Chlorotoluene
Concen: 0.962 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 91 Resp: 6513

Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.4	49.4

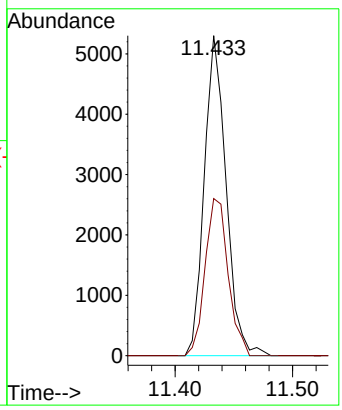




#80
1,3,5-Trimethylbenzene
Concen: 0.871 ug/l
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:105 Resp: 681

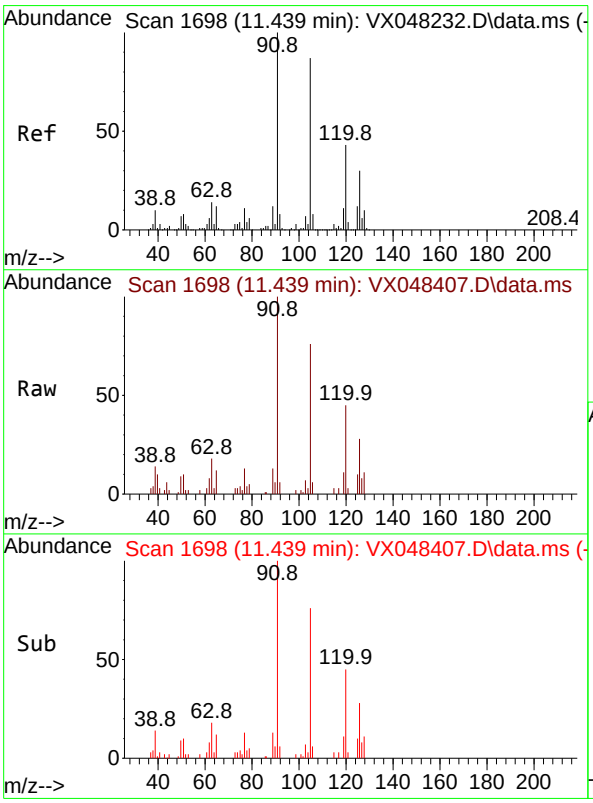
Ion	Ratio	Lower	Upper
105	100		
120	52.0	24.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

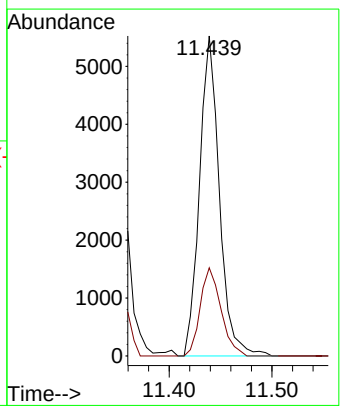
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

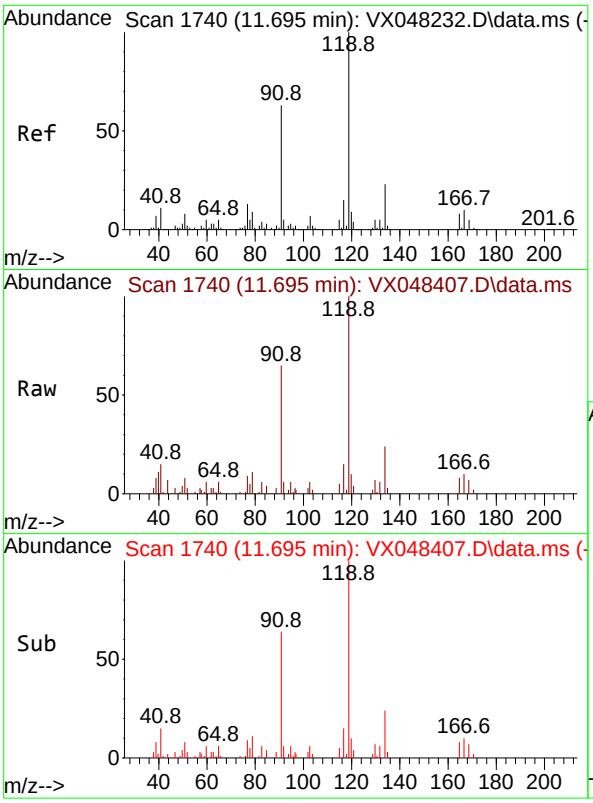


#82
4-Chlorotoluene
Concen: 0.934 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 91 Resp: 7437

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.1	42.4

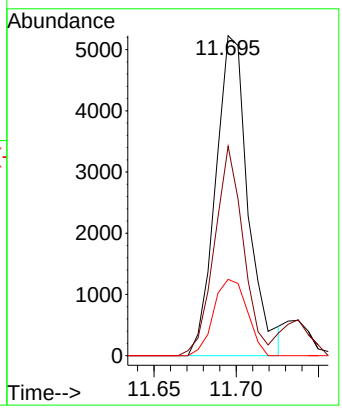




#83
tert-Butylbenzene
Concen: 0.907 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:119 Resp: 721

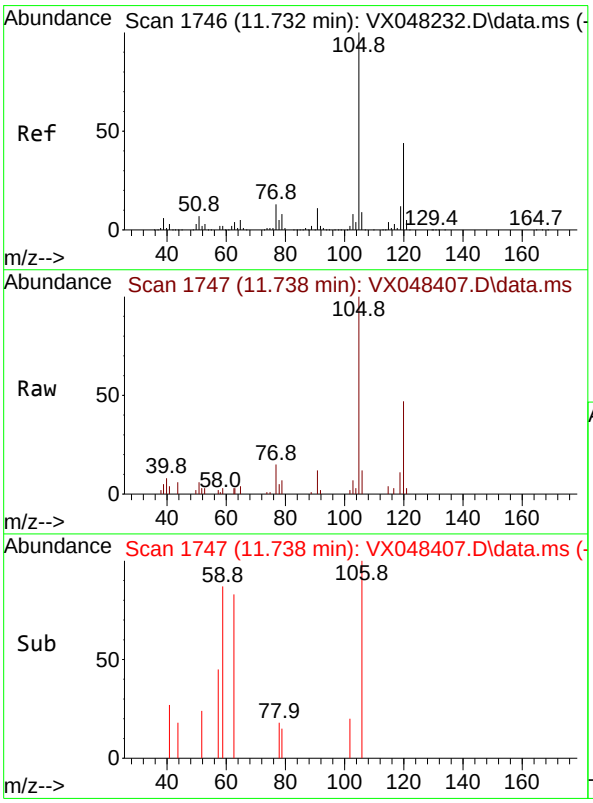
Ion	Ratio	Lower	Upper
119	100		
91	58.1	30.3	91.0
134	24.4	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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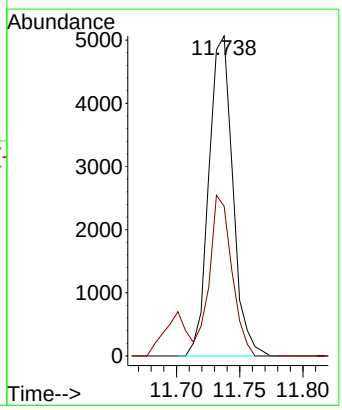
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

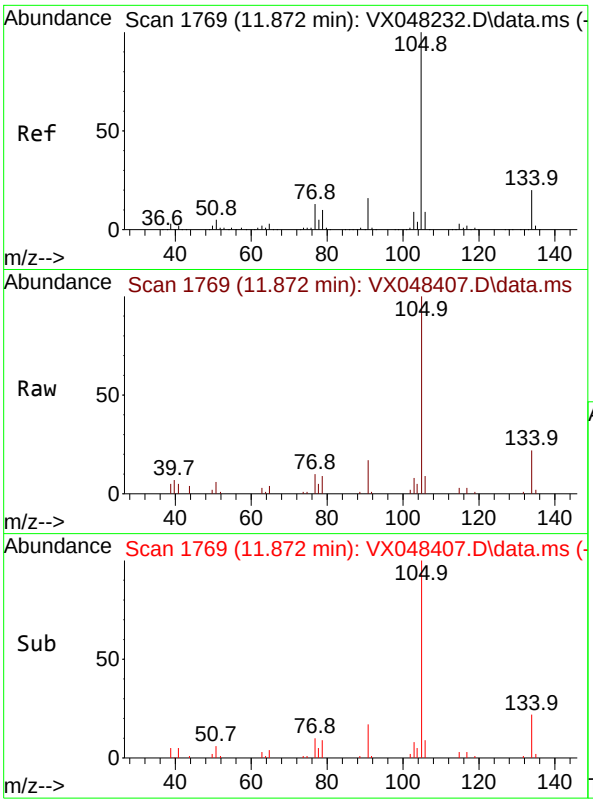


#84
1,2,4-Trimethylbenzene
Concen: 0.860 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:105 Resp: 6657

Ion	Ratio	Lower	Upper
105	100		
120	47.0	22.1	66.5

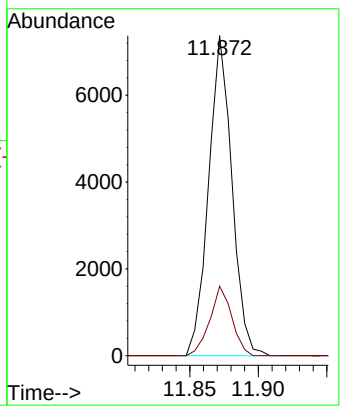




#85
sec-Butylbenzene
Concen: 0.879 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:105 Resp: 871

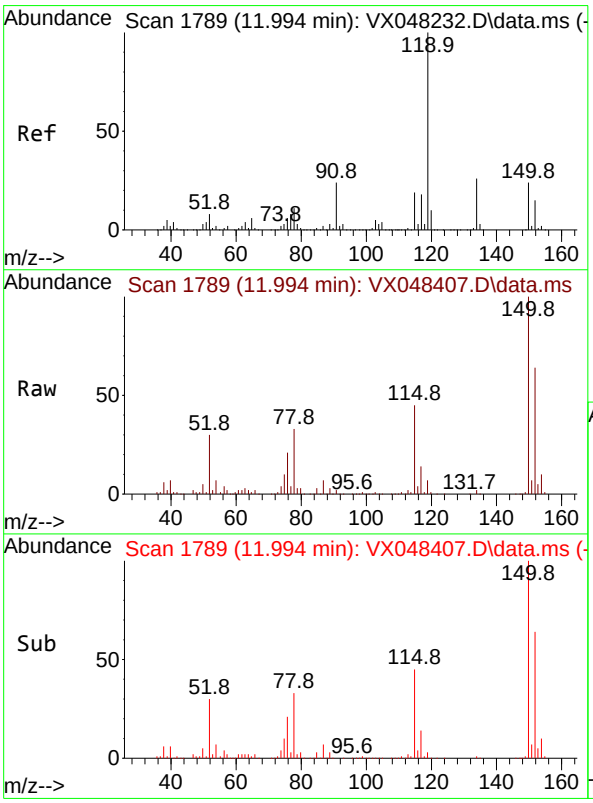
Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

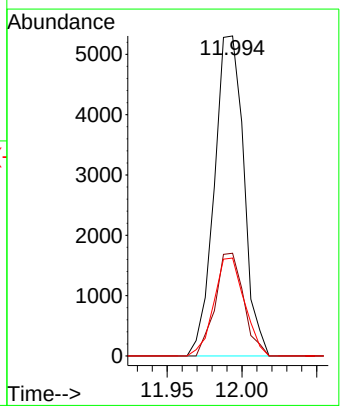
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

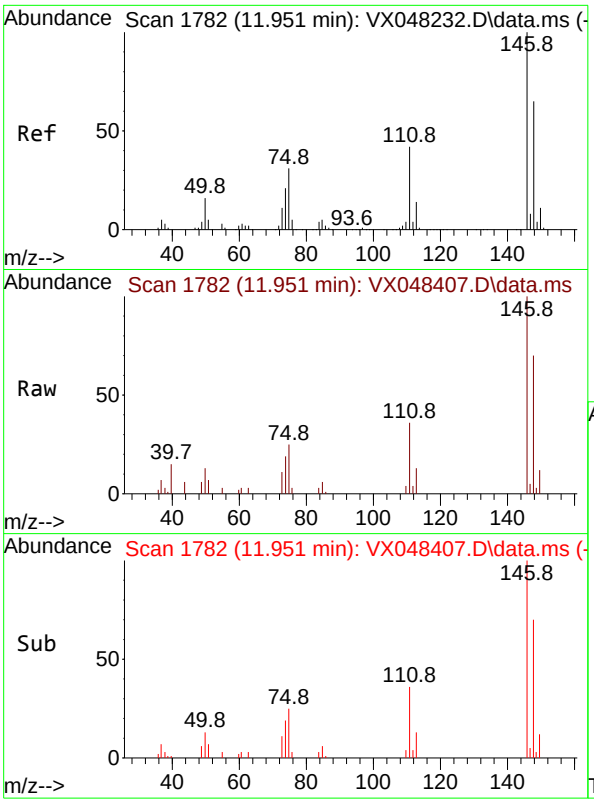


#86
p-Isopropyltoluene
Concen: 0.866 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:119 Resp: 7263

Ion	Ratio	Lower	Upper
119	100		
134	31.0	13.0	39.0
91	31.7	12.1	36.3

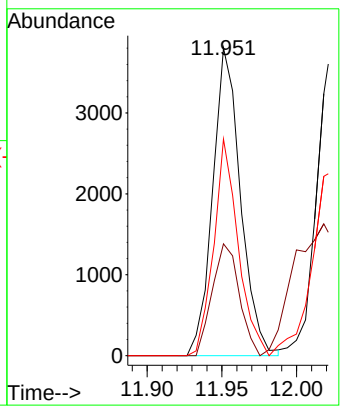




#87
1,3-Dichlorobenzene
Concen: 1.095 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:146 Resp: 493

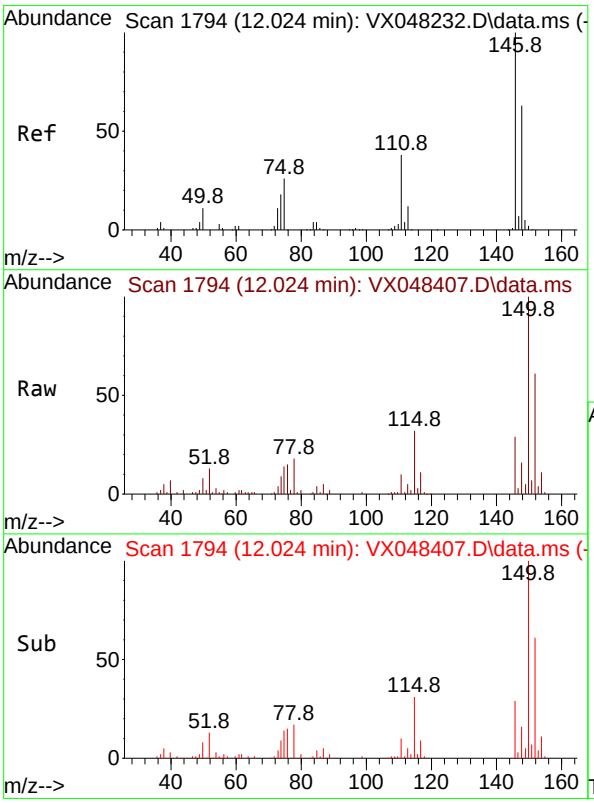
Ion	Ratio	Lower	Upper
146	100		
111	35.2	20.4	61.2
148	61.8	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

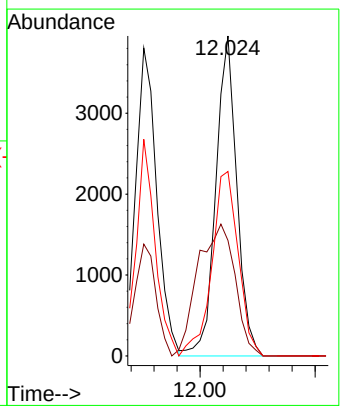
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

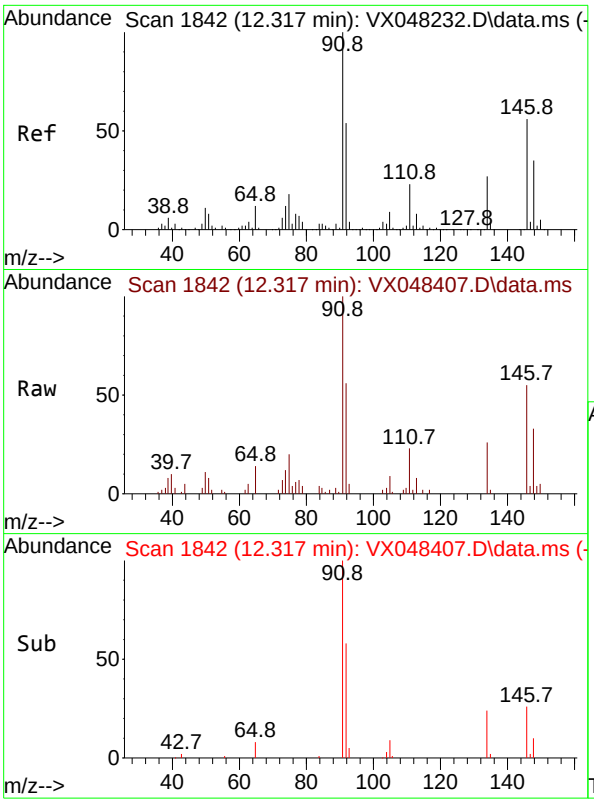


#88
1,4-Dichlorobenzene
Concen: 1.096 ug/l m
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:146 Resp: 5027

Ion	Ratio	Lower	Upper
146	100		
111	34.5	20.1	60.2
148	60.6	31.8	95.3

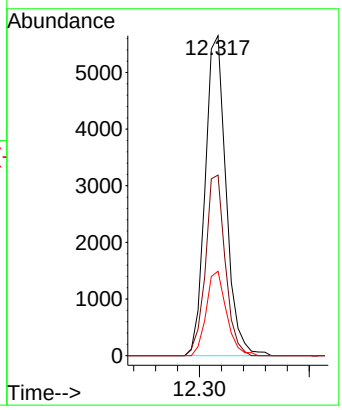




#89
n-Butylbenzene
Concen: 0.948 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 91 Resp: 746

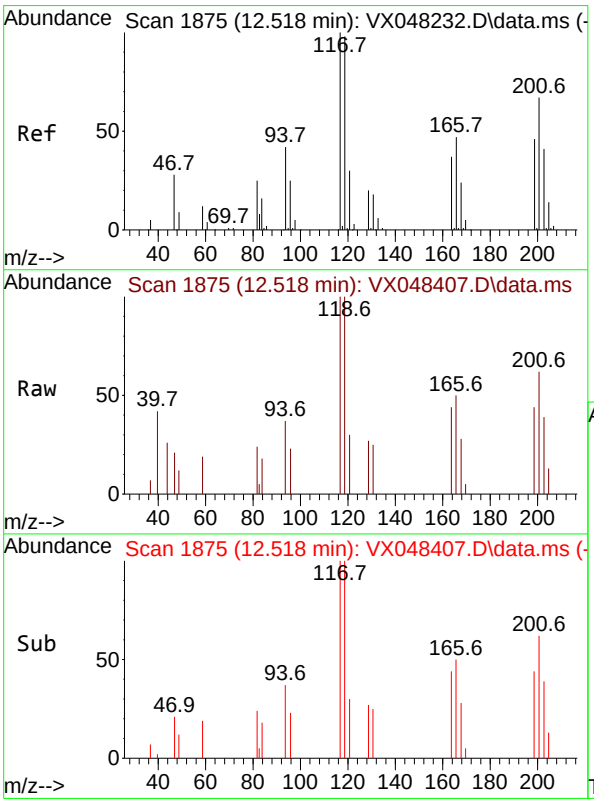
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.6
134	25.6	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

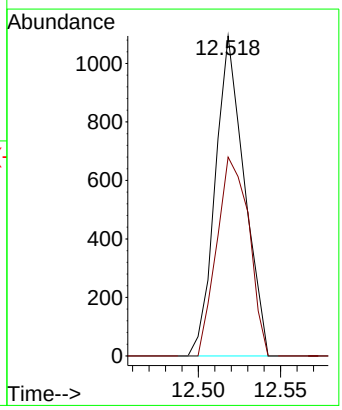
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

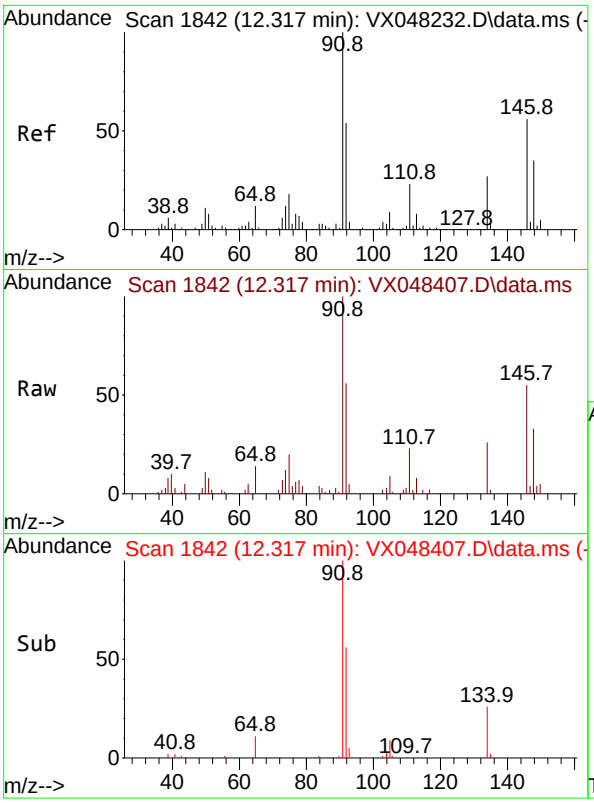


#90
Hexachloroethane
Concen: 0.911 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:117 Resp: 1343

Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.1	102.2

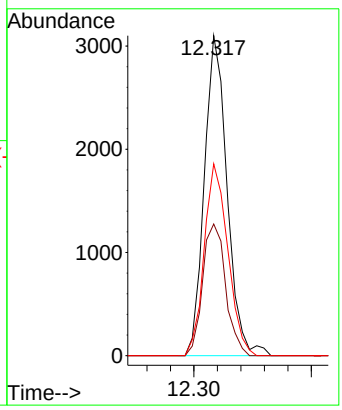




#91
1,2-Dichlorobenzene
Concen: 1.001 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:146 Resp: 417

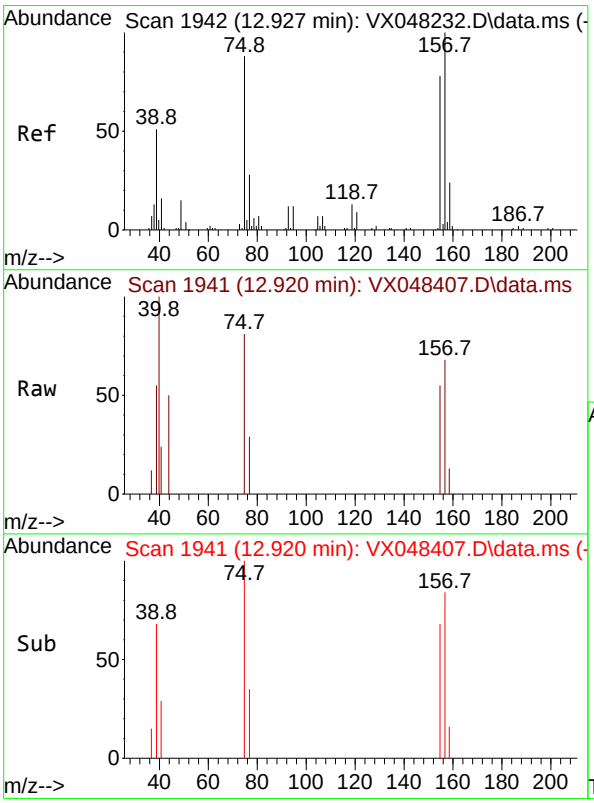
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.9	65.5
148	62.1	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

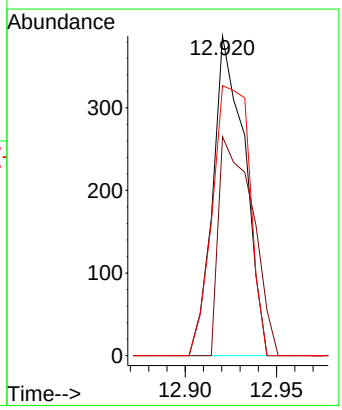
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

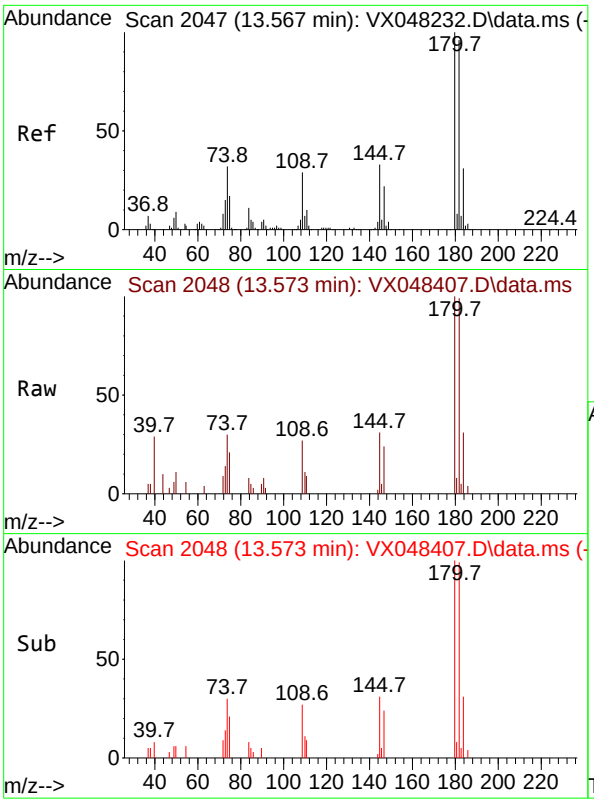


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.989 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion: 75 Resp: 468

Ion	Ratio	Lower	Upper
75	100		
155	73.1	42.8	128.4
157	99.1	54.2	162.6

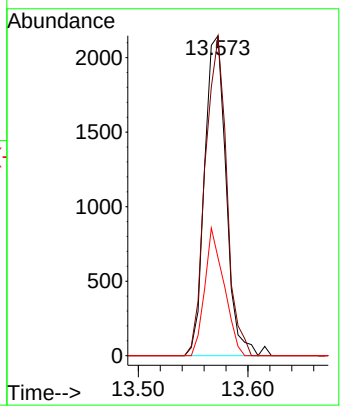




#93
1,2,4-Trichlorobenzene
Concen: 1.022 ug/l
RT: 13.573 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:180 Resp: 294

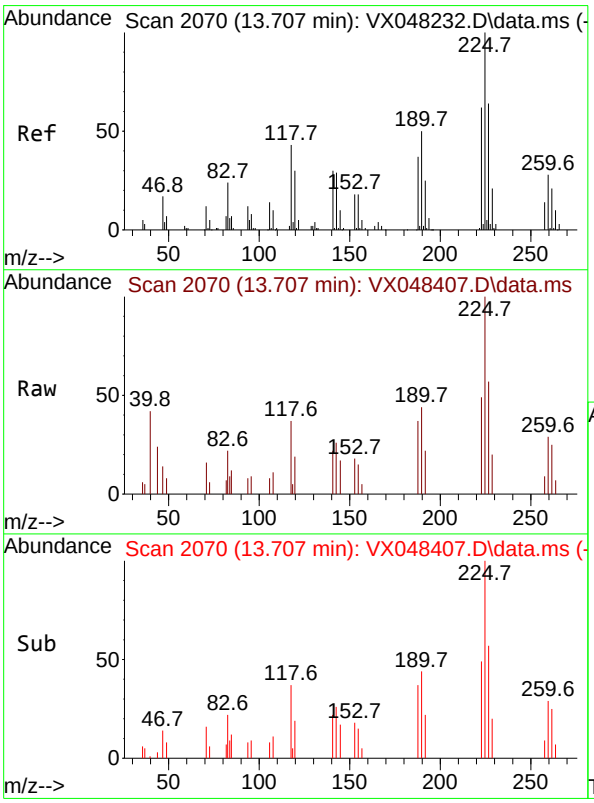
Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	142.0
145	35.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

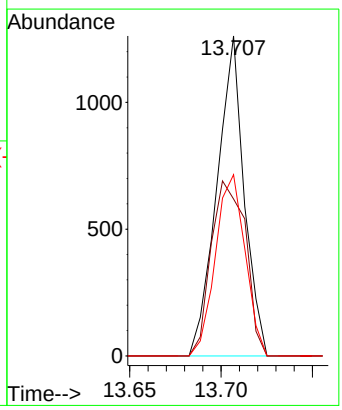
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

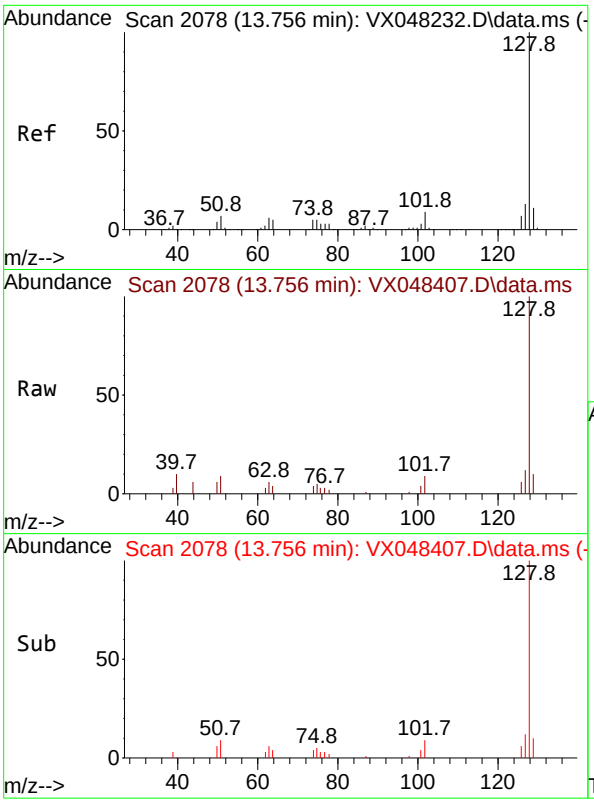


#94
Hexachlorobutadiene
Concen: 1.084 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:225 Resp: 1309

Ion	Ratio	Lower	Upper
225	100		
223	68.9	32.6	97.7
227	61.7	32.5	97.4

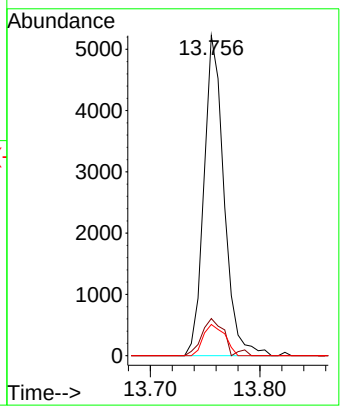




#95
Naphthalene
Concen: 0.915 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:128 Resp: 665

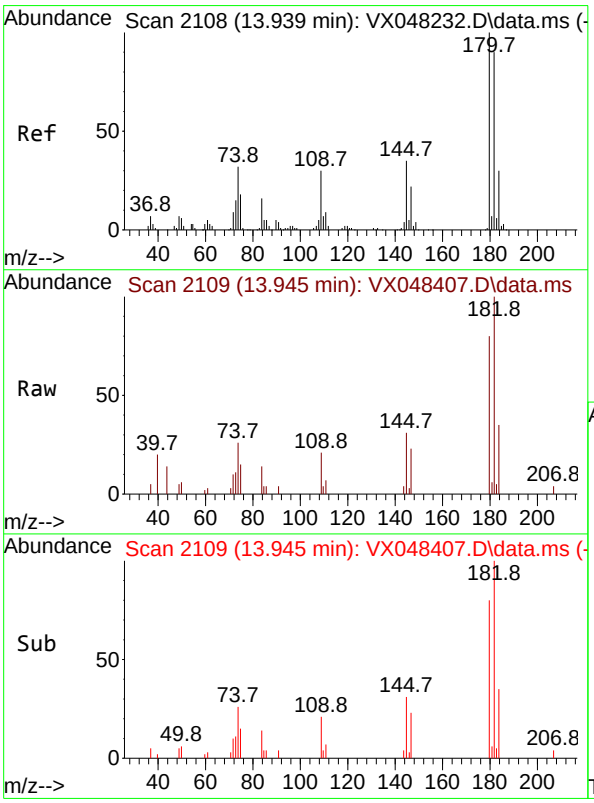
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.4	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

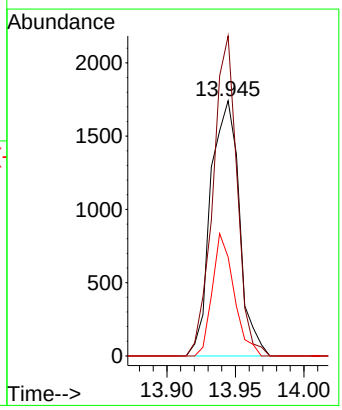
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.968 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048407.D
Acq: 29 Oct 2025 11:12

Tgt Ion:180 Resp: 2531

Ion	Ratio	Lower	Upper
180	100		
182	105.1	46.6	139.7
145	36.2	16.9	50.7



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048408.D
Acq On : 29 Oct 2025 11:41
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 02:19:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	168492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	282367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	256363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	12895	5.322	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.640%#		
35) Dibromofluoromethane	5.367	113	8478	5.266	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.540%#		
50) Toluene-d8	8.628	98	37648	5.298	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.600%#		
62) 4-Bromofluorobenzene	11.067	95	15170	5.707	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.420%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	8209	4.776	ug/l	99
3) Chloromethane	1.301	50	4434	4.573	ug/l	91
4) Vinyl Chloride	1.380	62	10893	4.863	ug/l	99
5) Bromomethane	1.618	94	4283	5.293	ug/l	91
6) Chloroethane	1.697	64	6637	4.982	ug/l	95
7) Trichlorofluoromethane	1.892	101	16922	4.930	ug/l	98
8) Diethyl Ether	2.130	74	5843	4.710	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.337	101	9591	4.967	ug/l	97
10) Methyl Iodide	2.459	142	37605	4.844	ug/l	97
11) Tert butyl alcohol	2.934	59	4142	22.311	ug/l #	86
12) 1,1-Dichloroethene	2.319	96	9427	4.807	ug/l	85
13) Acrolein	2.233	56	8883	22.923	ug/l	97
14) Allyl chloride	2.666	41	16036	4.828	ug/l	97
15) Acrylonitrile	3.056	53	19610	23.219	ug/l	96
16) Acetone	2.367	43	11436	20.823	ug/l #	89
17) Carbon Disulfide	2.514	76	28513	5.071	ug/l	98
18) Methyl Acetate	2.697	43	7987	4.348	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	29535	4.703	ug/l	100
20) Methylene Chloride	2.788	84	10334	4.881	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	10171	4.883	ug/l	95
22) Diisopropyl ether	3.751	45	33466	4.923	ug/l	90
23) Vinyl Acetate	3.709	43	117089	25.303	ug/l	98
24) 1,1-Dichloroethane	3.605	63	19205	4.978	ug/l	98
25) 2-Butanone	4.544	43	18935	21.582	ug/l	97
26) 2,2-Dichloropropane	4.465	77	15992	4.814	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	12076	4.857	ug/l	99
28) Bromochloromethane	4.879	49	8637	4.940	ug/l	91
29) Tetrahydrofuran	4.989	42	14146	22.641	ug/l	93
30) Chloroform	5.074	83	19818	4.994	ug/l	97
31) Cyclohexane	5.452	56	16213	4.841	ug/l	97
32) 1,1,1-Trichloroethane	5.361	97	17255	4.925	ug/l	99
36) 1,1-Dichloropropene	5.672	75	12604	4.662	ug/l	94
37) Ethyl Acetate	4.690	43	11896	5.165	ug/l	96
38) Carbon Tetrachloride	5.659	117	15859	5.081	ug/l	92
39) Methylcyclohexane	7.360	83	17067	4.909	ug/l	91
40) Benzene	6.019	78	41332	5.004	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048408.D
Acq On : 29 Oct 2025 11:41
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 02:19:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.904	41	5197	4.479 ug/l		97
42) 1,2-Dichloroethane	6.068	62	14675	5.045 ug/l		97
43) Isopropyl Acetate	6.324	43	17743	4.666 ug/l		98
44) Trichloroethene	7.110	130	11270	5.208 ug/l		92
45) 1,2-Dichloropropane	7.415	63	10081	4.887 ug/l		96
46) Dibromomethane	7.562	93	7346	5.087 ug/l		100
47) Bromodichloromethane	7.805	83	15604	5.086 ug/l		98
48) Methyl methacrylate	7.684	41	8621	4.649 ug/l		99
49) 1,4-Dioxane	7.641	88	1982	94.031 ug/l		93
51) 4-Methyl-2-Pentanone	8.555	43	50183	23.712 ug/l		99
52) Toluene	8.702	92	25912	5.021 ug/l		98
53) t-1,3-Dichloropropene	8.964	75	13872	4.988 ug/l		96
54) cis-1,3-Dichloropropene	8.348	75	14823	4.947 ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	9317	4.989 ug/l		92
56) Ethyl methacrylate	9.098	69	12380	4.527 ug/l		96
57) 1,3-Dichloropropane	9.293	76	16367	5.054 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	30558	27.358 ug/l		98
59) 2-Hexanone	9.415	43	30645	22.254 ug/l		100
60) Dibromochloromethane	9.506	129	11519	4.987 ug/l		98
61) 1,2-Dibromoethane	9.592	107	9540	4.938 ug/l		97
64) Tetrachloroethene	9.256	164	10526	5.098 ug/l		97
65) Chlorobenzene	10.061	112	30095	5.096 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	9919	4.937 ug/l		97
67) Ethyl Benzene	10.177	91	48940	4.921 ug/l		98
68) m/p-Xylenes	10.281	106	37478	9.954 ug/l		96
69) o-Xylene	10.628	106	17655	4.907 ug/l		94
70) Styrene	10.640	104	29194	4.790 ug/l		99
71) Bromoform	10.781	173	6877	4.732 ug/l	#	100
73) Isopropylbenzene	10.945	105	45638	4.866 ug/l		100
74) N-amyl acetate	10.829	43	14713	4.397 ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.195	83	11650	4.904 ug/l		97
76) 1,2,3-Trichloropropane	11.219	75	8901m	4.500 ug/l		
77) Bromobenzene	11.177	156	11458	4.945 ug/l		97
78) n-propylbenzene	11.287	91	54619	4.927 ug/l		98
79) 2-Chlorotoluene	11.347	91	32940	4.949 ug/l		97
80) 1,3,5-Trimethylbenzene	11.433	105	37702	4.904 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	2420	4.592 ug/l	#	68
82) 4-Chlorotoluene	11.439	91	39376	5.032 ug/l		99
83) tert-Butylbenzene	11.695	119	38057	4.862 ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	36460	4.789 ug/l		97
85) sec-Butylbenzene	11.872	105	48781	5.001 ug/l		100
86) p-Isopropyltoluene	11.988	119	40550	4.918 ug/l		97
87) 1,3-Dichlorobenzene	11.951	146	21978	4.967 ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	23136	5.134 ug/l		96
89) n-Butylbenzene	12.317	91	36813	4.755 ug/l		100
90) Hexachloroethane	12.518	117	6571	4.535 ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	20410	4.977 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	1977	4.250 ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	13185	4.660 ug/l		99
94) Hexachlorobutadiene	13.707	225	5541	4.669 ug/l		97
95) Naphthalene	13.756	128	30675	4.293 ug/l		100
96) 1,2,3-Trichlorobenzene	13.945	180	11880	4.622 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048408.D
Acq On : 29 Oct 2025 11:41
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:19:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

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

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

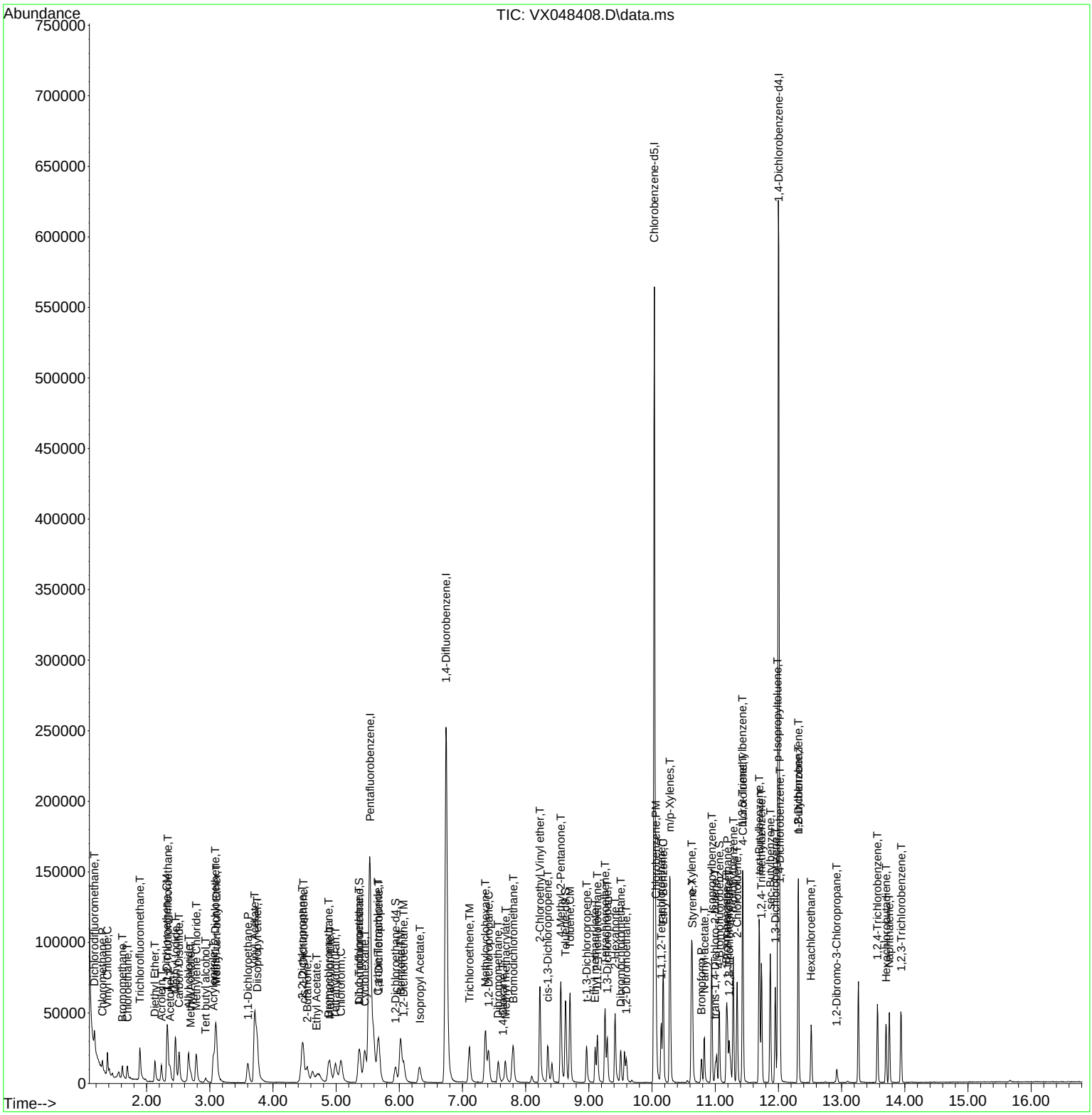
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Data File : VX048408.D
Acq On : 29 Oct 2025 11:41
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

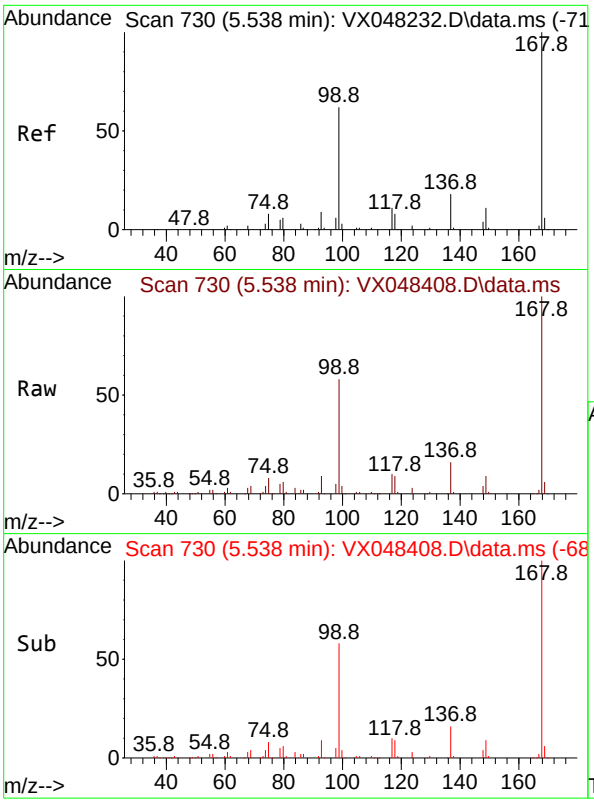
Quant Time: Oct 30 02:19:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

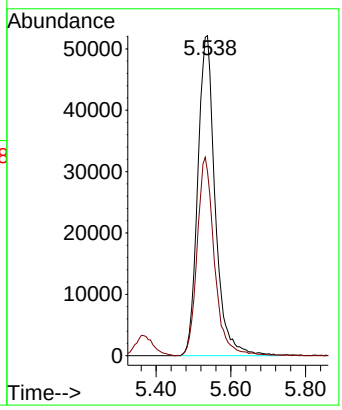




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:168 Resp: 16849

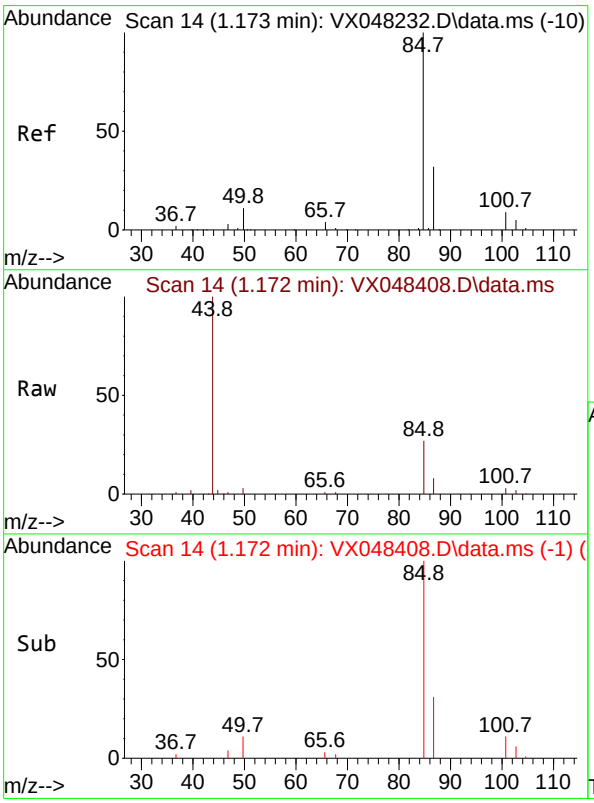
Ion	Ratio	Lower	Upper
168	100		
99	57.5	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

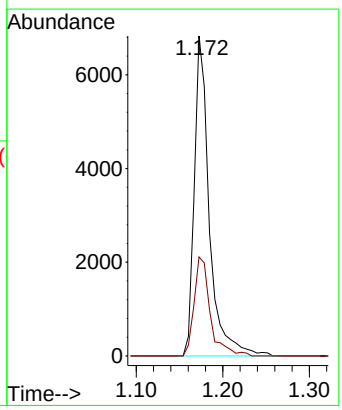
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

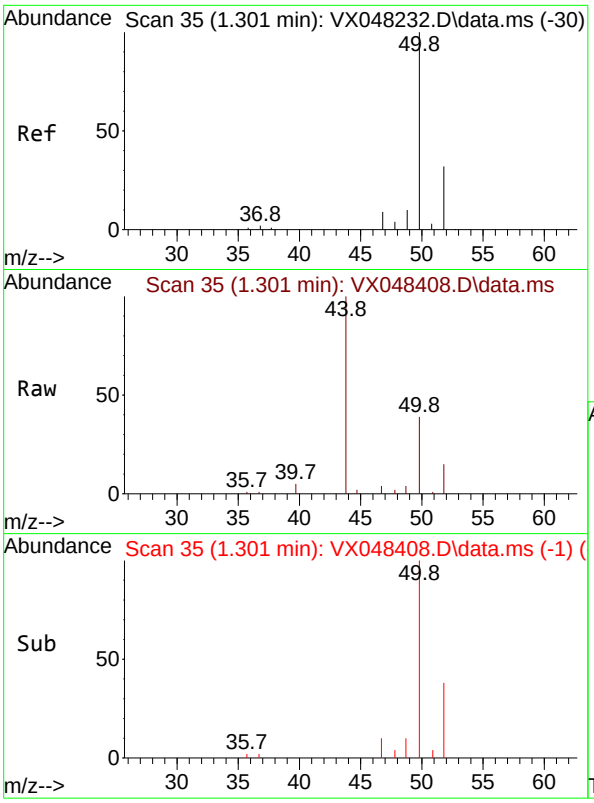


#2
Dichlorodifluoromethane
Concen: 4.776 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 85 Resp: 8209

Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.3	45.9

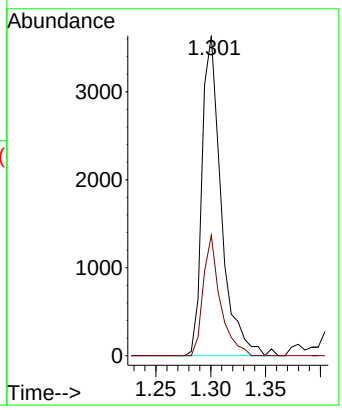




#3
Chloromethane
Concen: 4.573 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 50 Resp: 443

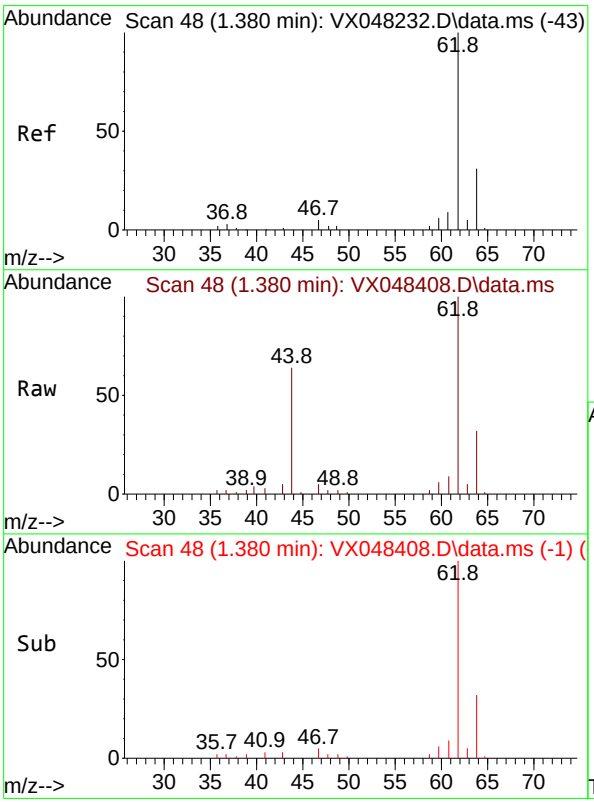
Ion	Ratio	Lower	Upper
50	100		
52	37.7	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

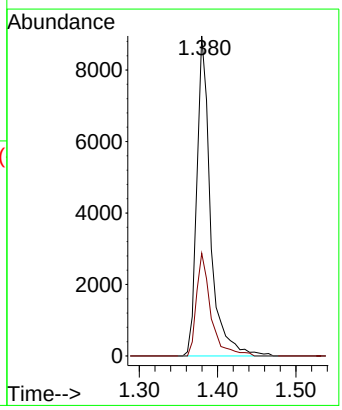
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

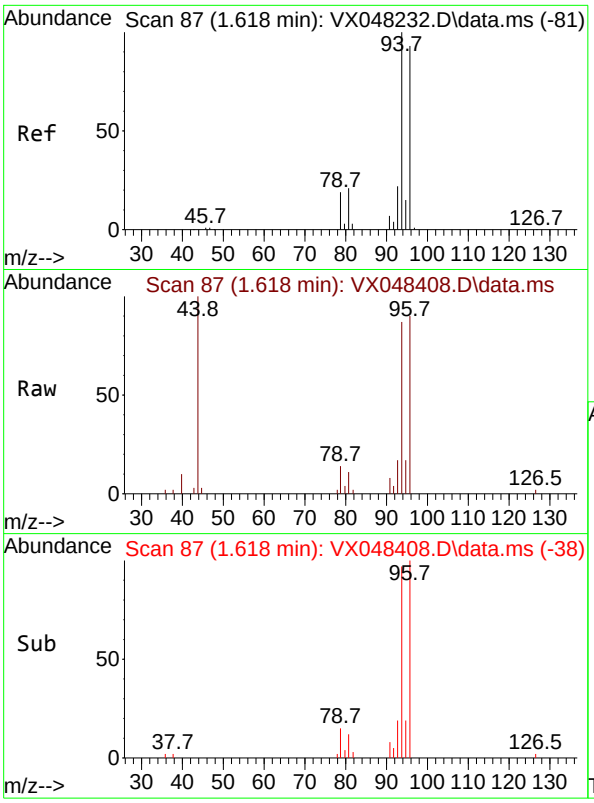


#4
Vinyl Chloride
Concen: 4.863 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 62 Resp: 10893

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.1	37.7

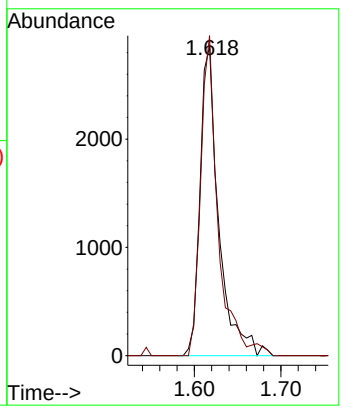




#5
Bromomethane
Concen: 5.293 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 94 Resp: 428

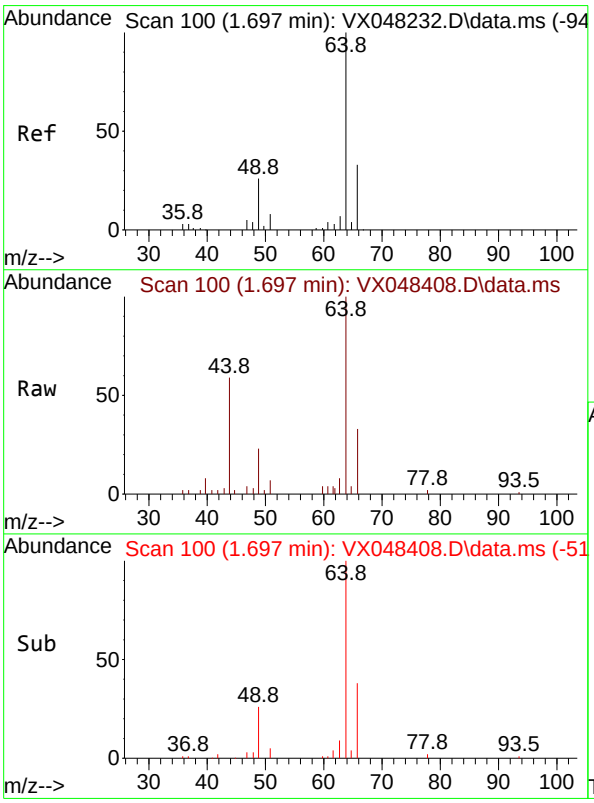
Ion	Ratio	Lower	Upper
94	100		
96	103.5	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

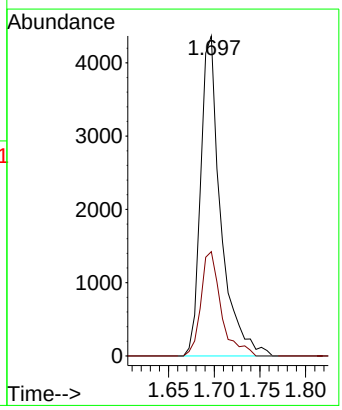
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

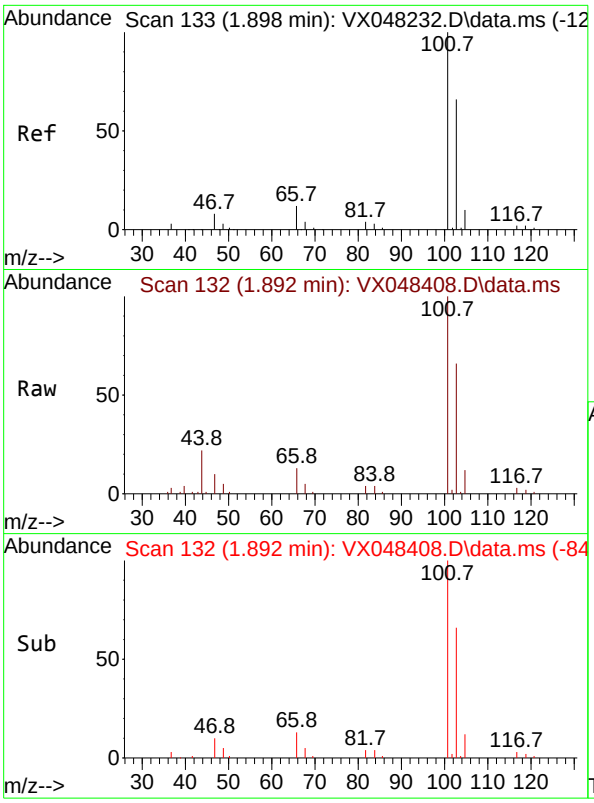


#6
Chloroethane
Concen: 4.982 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 64 Resp: 6637

Ion	Ratio	Lower	Upper
64	100		
66	32.6	23.9	35.9

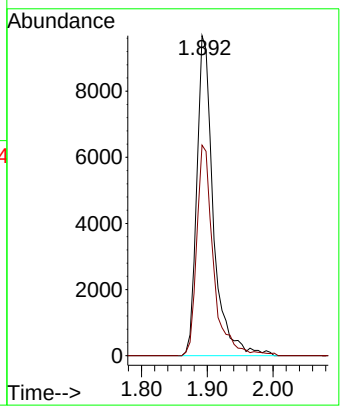




#7
Trichlorofluoromethane
Concen: 4.930 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:101 Resp: 1692

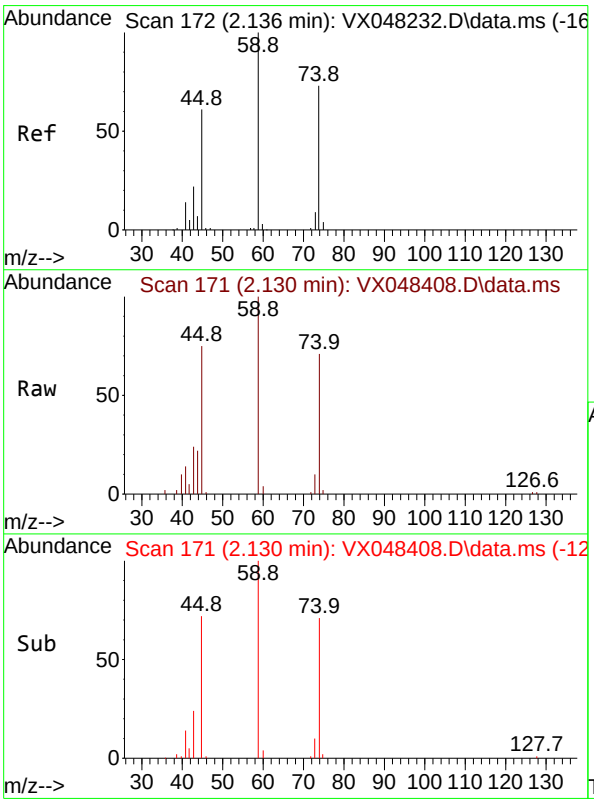
Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

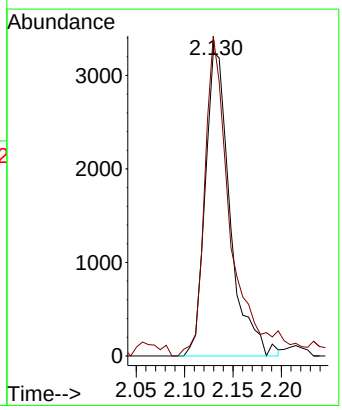
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

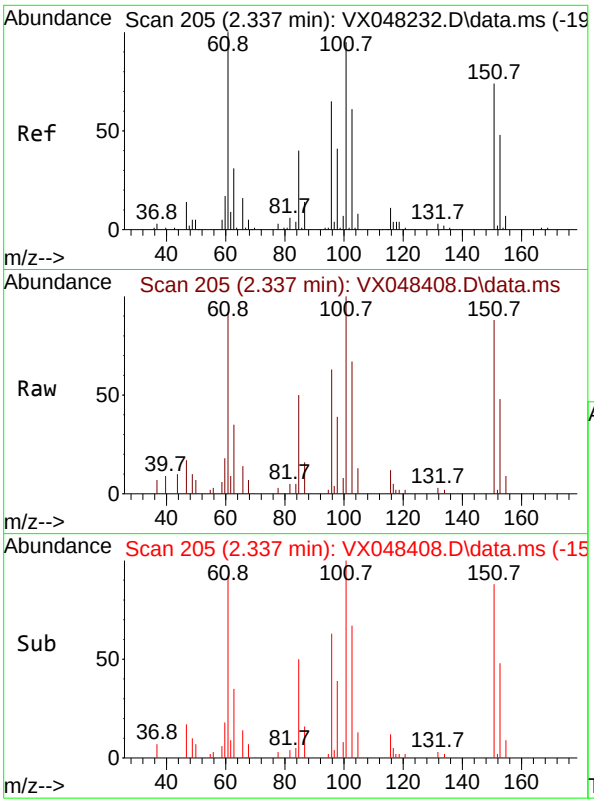


#8
Diethyl Ether
Concen: 4.710 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 74 Resp: 5843

Ion	Ratio	Lower	Upper
74	100		
45	109.9	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.967 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

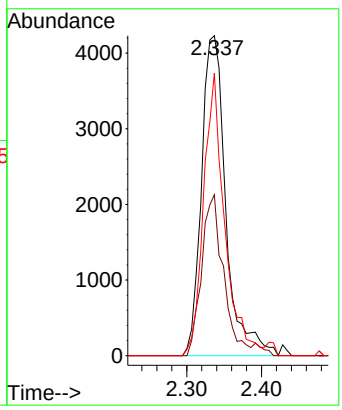
Tgt Ion:101 Resp: 959

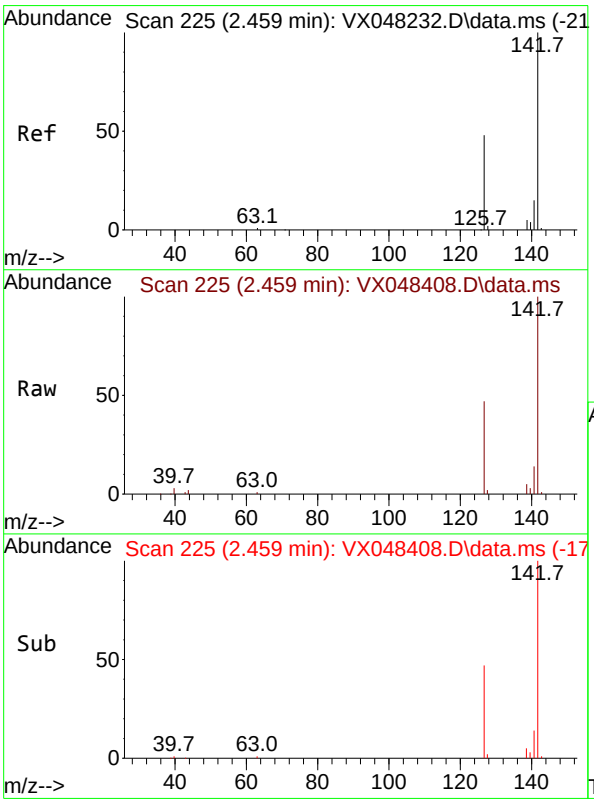
Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.6	53.4
151	75.9	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

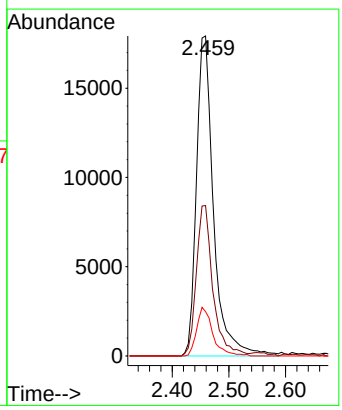


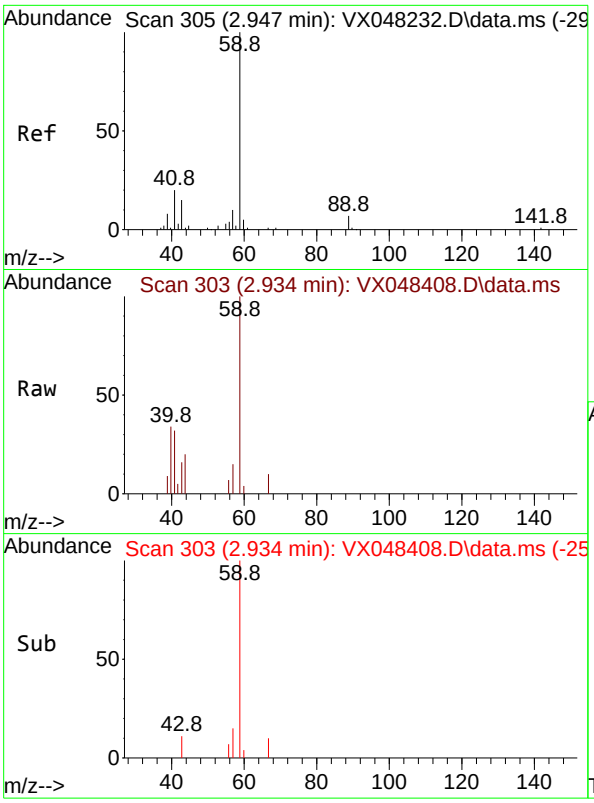


#10
Methyl Iodide
Concen: 4.844 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:142 Resp: 37605

Ion	Ratio	Lower	Upper
142	100		
127	45.4	38.5	57.7
141	14.4	11.6	17.4





#11
Tert butyl alcohol
Concen: 22.311 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

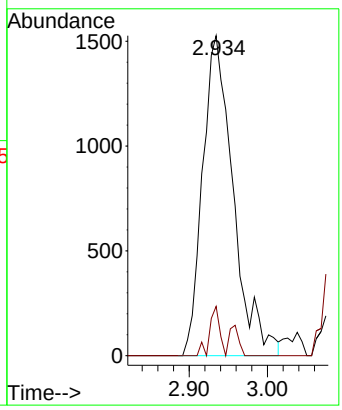
Tgt Ion: 59 Resp: 414

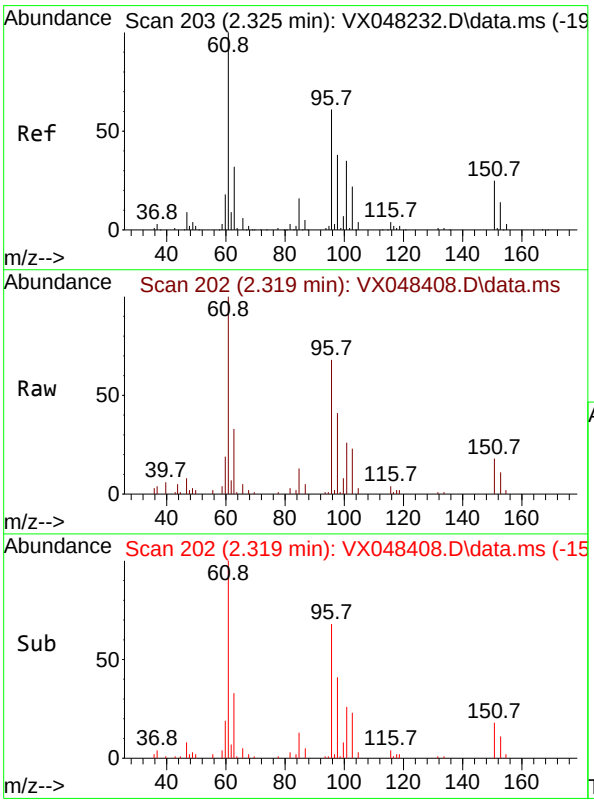
Ion	Ratio	Lower	Upper
59	100		
57	5.0	8.2	12.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

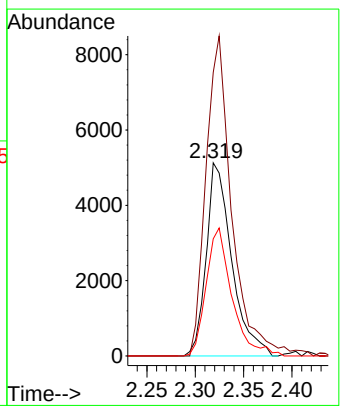


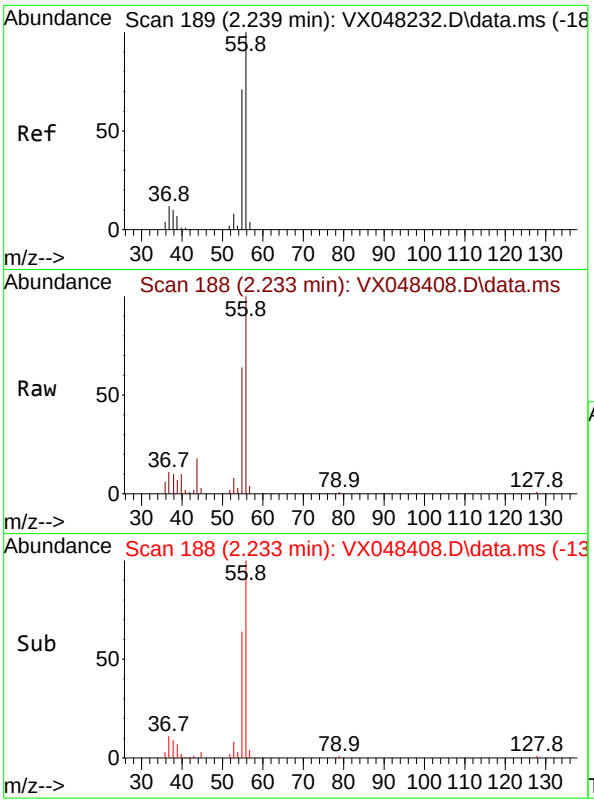


#12
1,1-Dichloroethene
Concen: 4.807 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 96 Resp: 9427

Ion	Ratio	Lower	Upper
96	100		
61	146.8	139.0	208.6
98	62.7	52.4	78.6

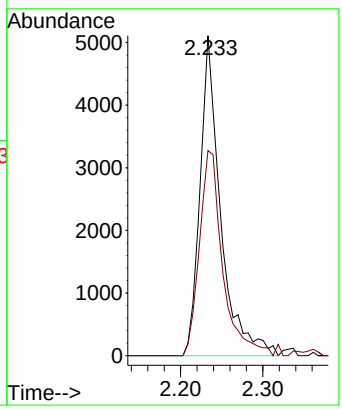




#13
Acrolein
Concen: 22.923 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 56 Resp: 888

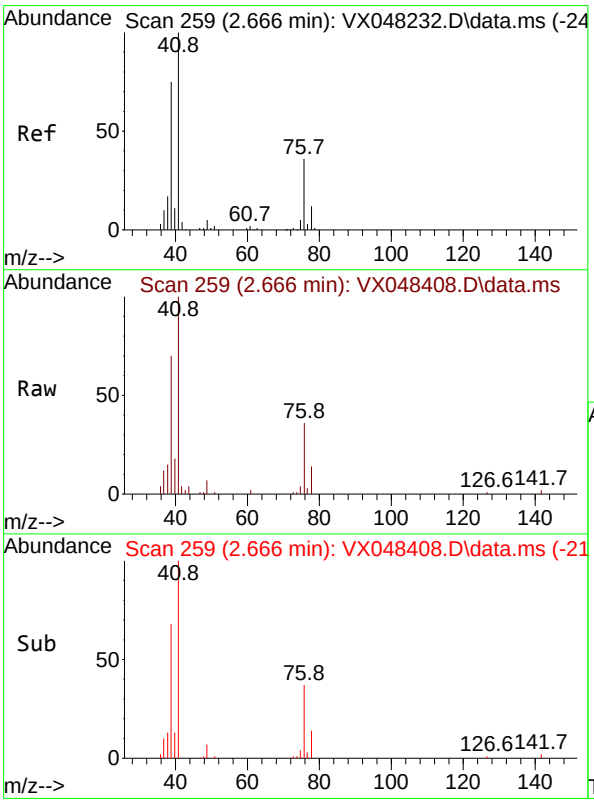
Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

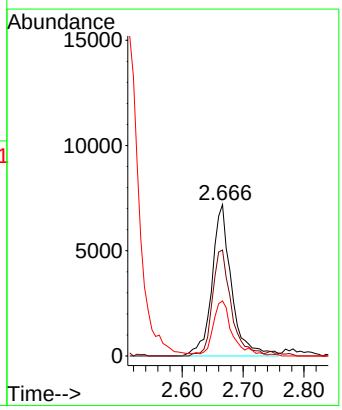
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

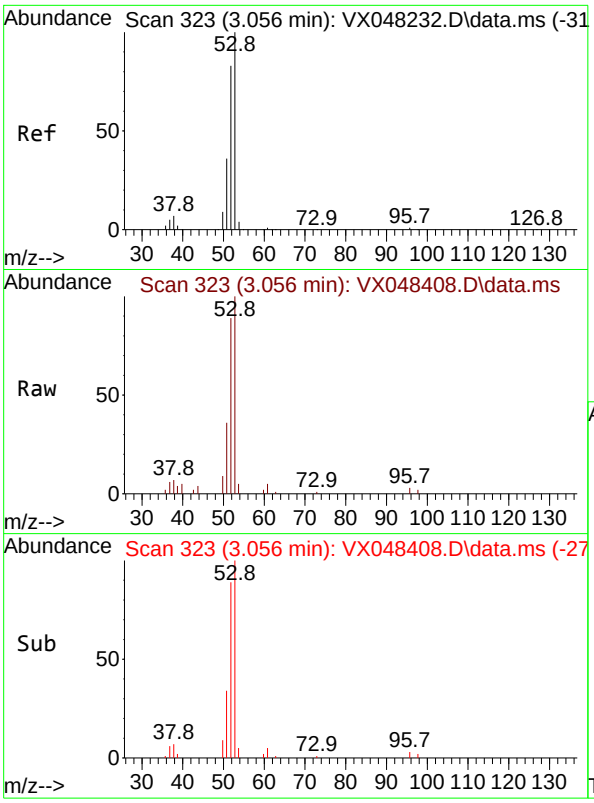


#14
Allyl chloride
Concen: 4.828 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 41 Resp: 16036

Ion	Ratio	Lower	Upper
41	100		
39	67.3	56.0	84.0
76	36.5	27.5	41.3

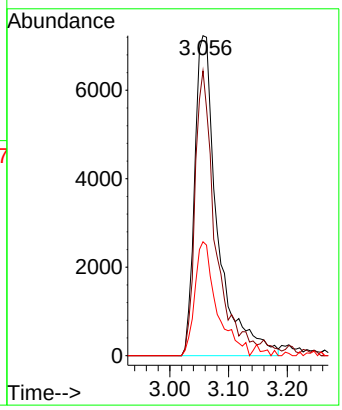




#15
Acrylonitrile
Concen: 23.219 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 53 Resp: 1961

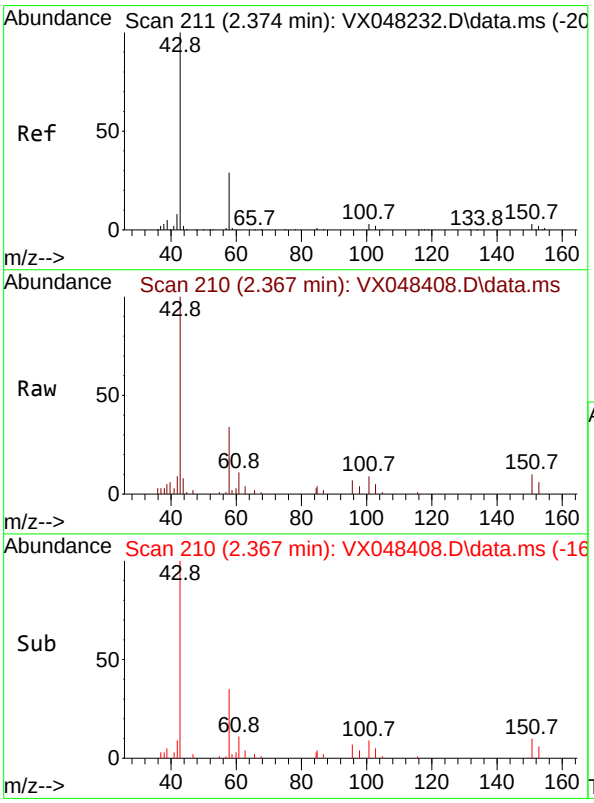
Ion	Ratio	Lower	Upper
53	100		
52	79.0	66.1	99.1
51	34.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

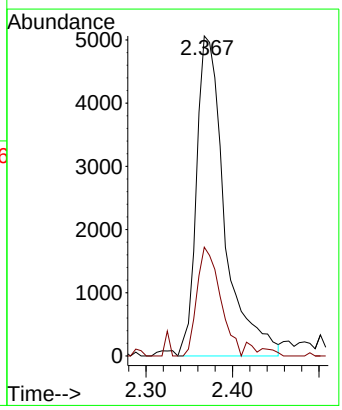
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

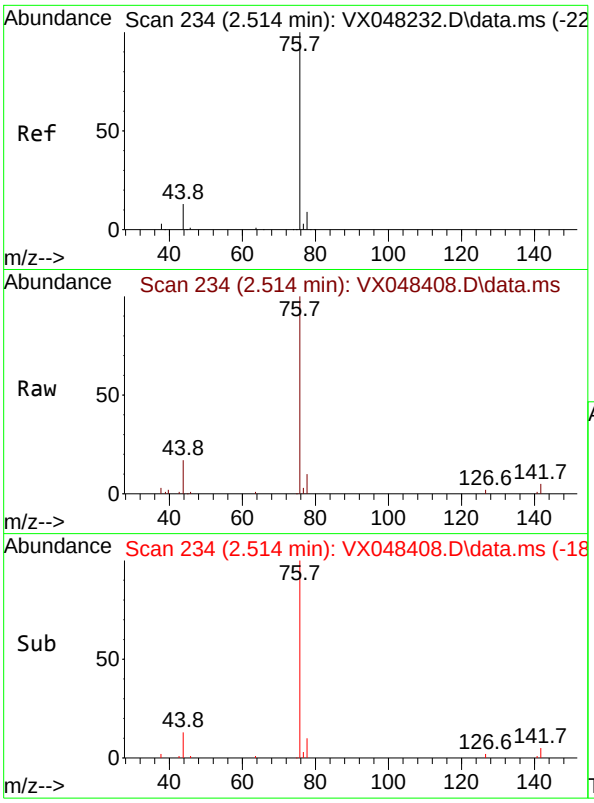


#16
Acetone
Concen: 20.823 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 43 Resp: 11436

Ion	Ratio	Lower	Upper
43	100		
58	35.2	23.4	35.2#





#17
Carbon Disulfide
Concen: 5.071 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

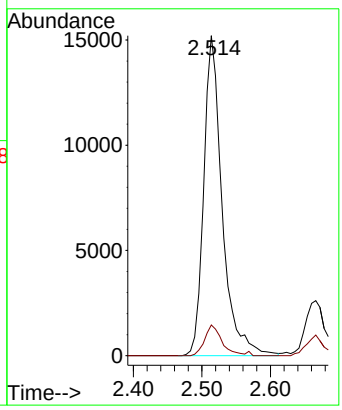
Tgt Ion: 76 Resp: 2851

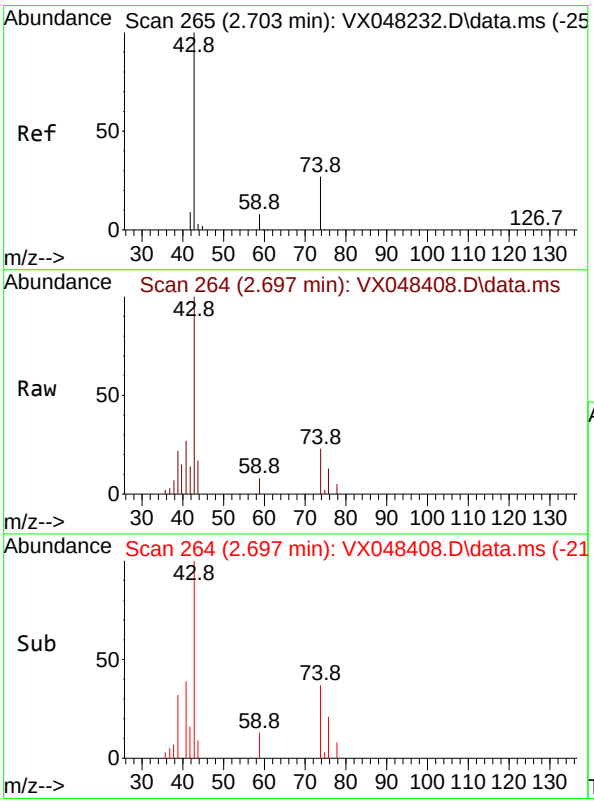
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

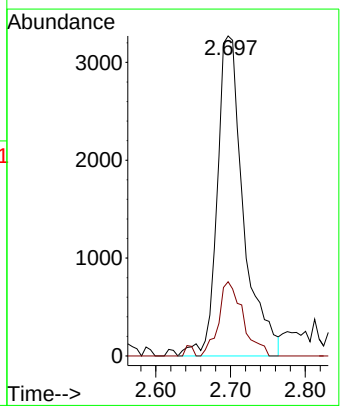


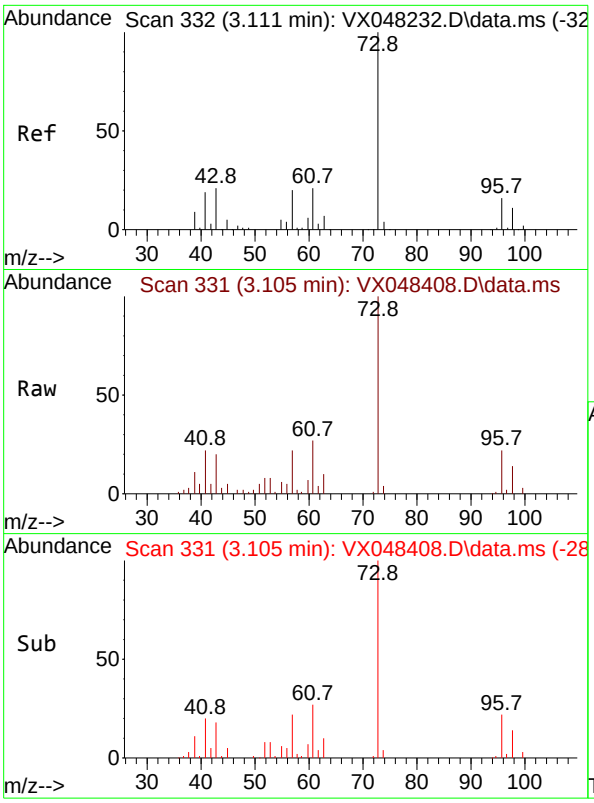


#18
Methyl Acetate
Concen: 4.348 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 43 Resp: 7987

Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.5	26.3

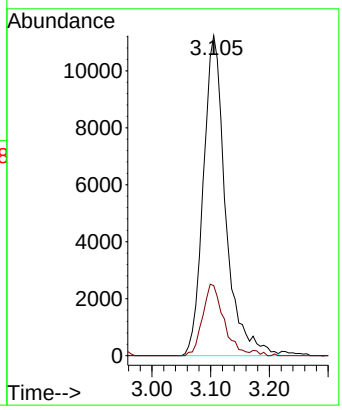




#19
Methyl tert-butyl Ether
Concen: 4.703 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 73 Resp: 2953

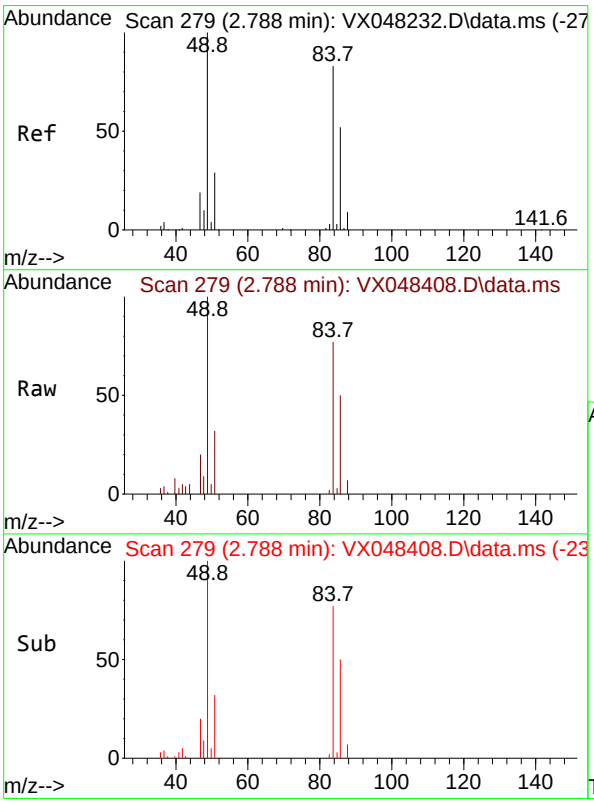
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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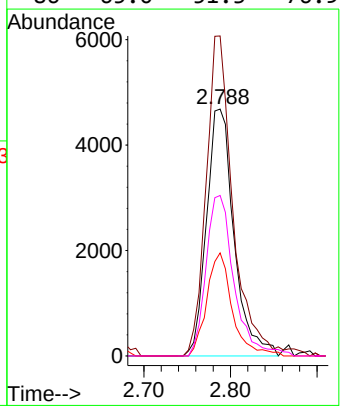
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

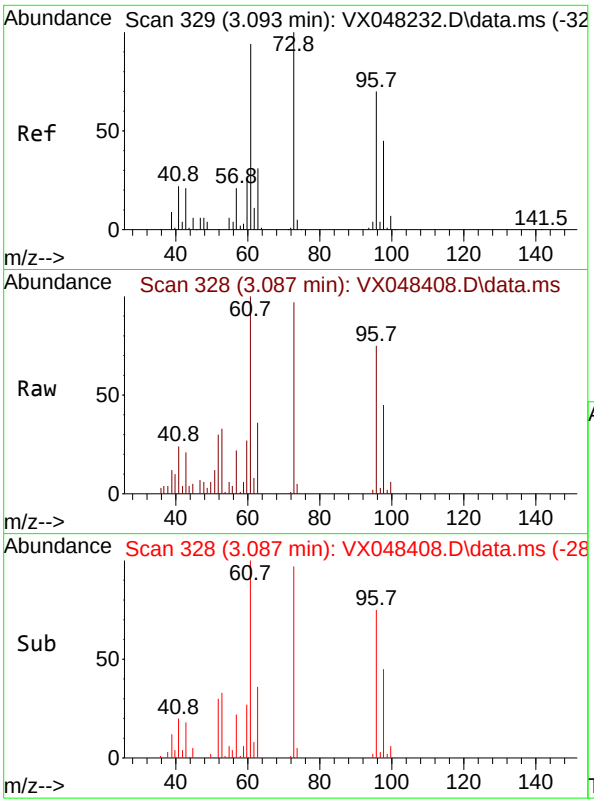


#20
Methylene Chloride
Concen: 4.881 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 84 Resp: 10334

Ion	Ratio	Lower	Upper
84	100		
49	129.6	104.1	156.1
51	41.8	31.3	46.9
86	65.0	51.3	76.9

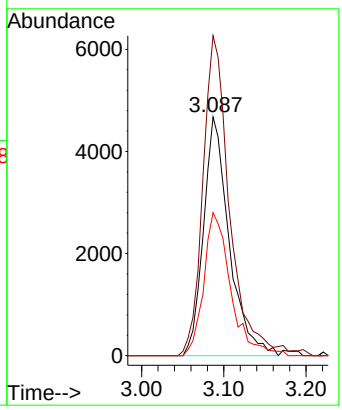




#21
trans-1,2-Dichloroethene
Concen: 4.883 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 96 Resp: 1017

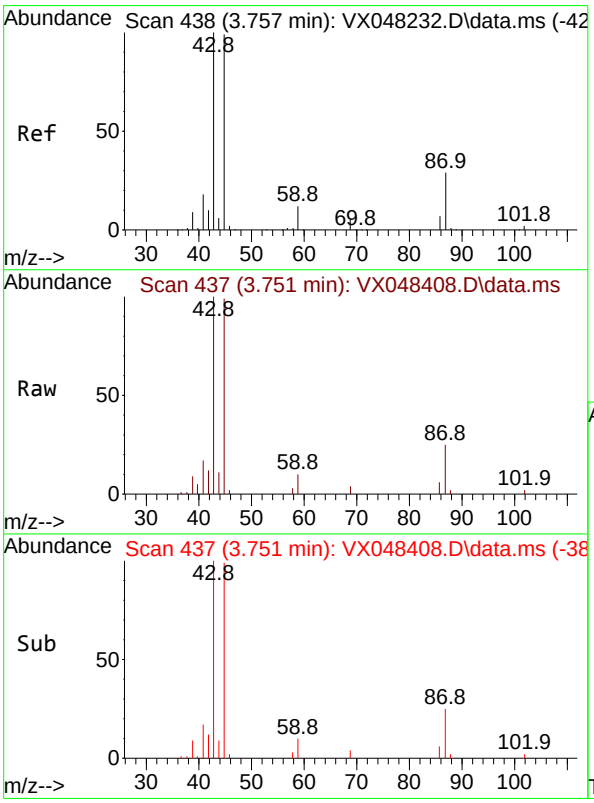
Ion	Ratio	Lower	Upper
96	100		
61	134.0	111.9	167.9
98	59.9	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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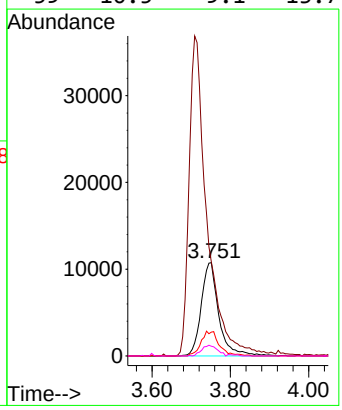
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

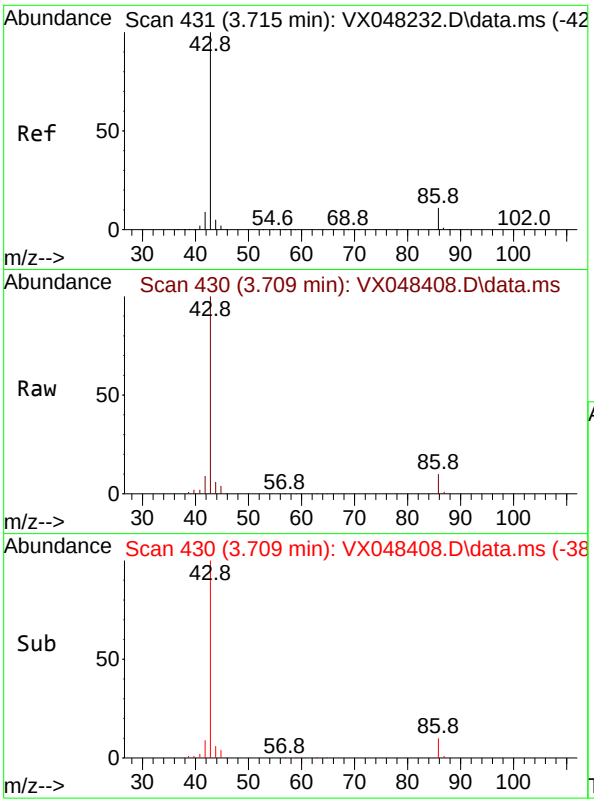


#22
Diisopropyl ether
Concen: 4.923 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 45 Resp: 33466

Ion	Ratio	Lower	Upper
45	100		
43	98.2	89.8	134.8
87	25.6	20.6	31.0
59	10.5	9.1	13.7





#23
Vinyl Acetate
Concen: 25.303 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

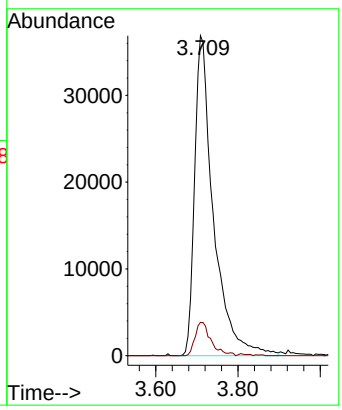
Tgt Ion: 43 Resp: 11708

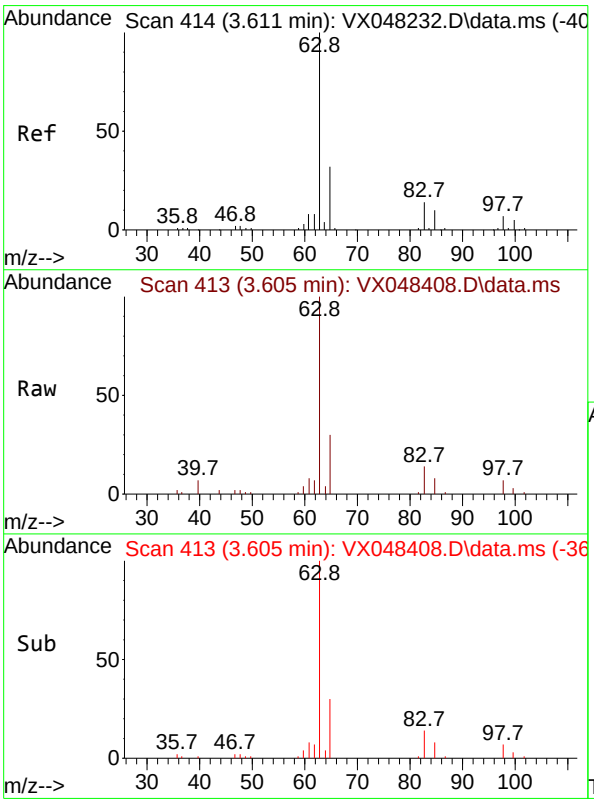
Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

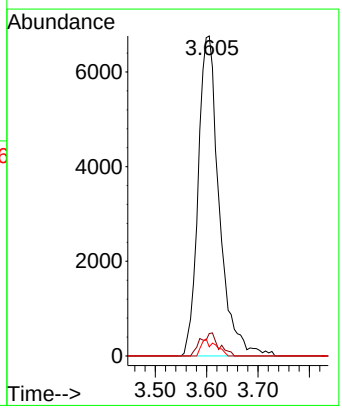


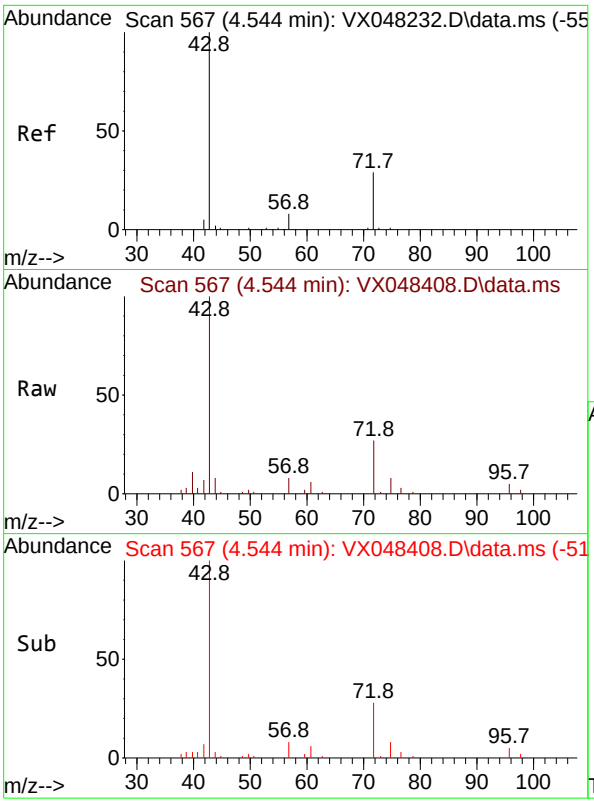


#24
1,1-Dichloroethane
Concen: 4.978 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 63 Resp: 19205

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	2.9	2.1	6.3

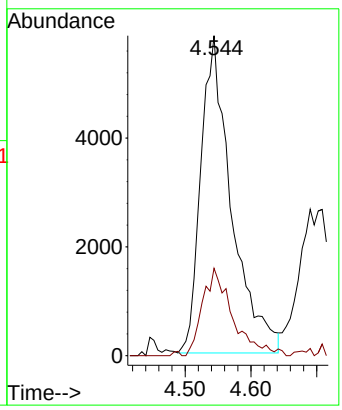




#25
2-Butanone
Concen: 21.582 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 43 Resp: 1893

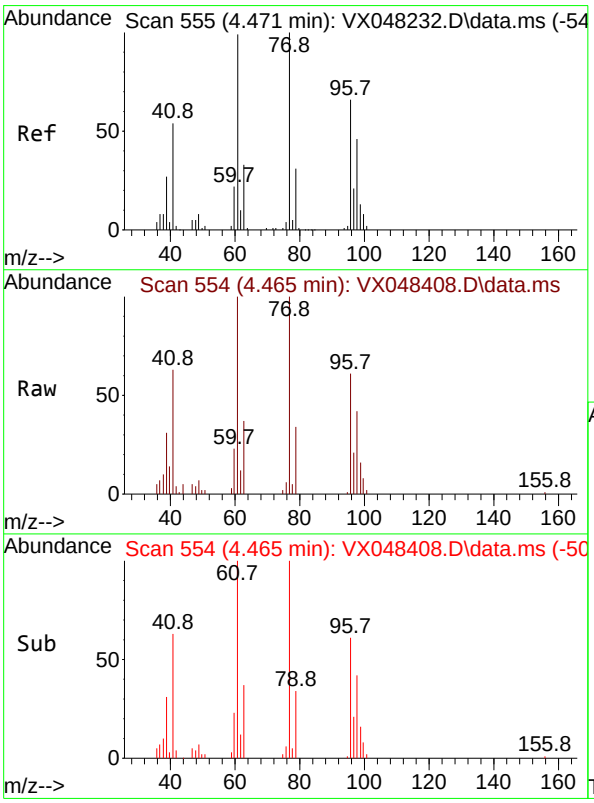
Ion	Ratio	Lower	Upper
43	100		
72	26.2	19.9	29.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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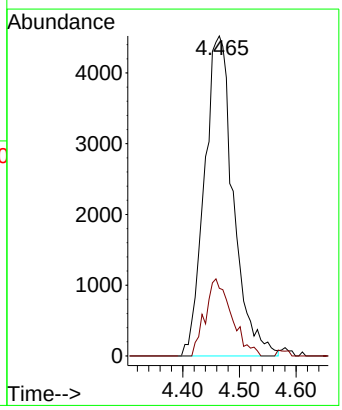
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

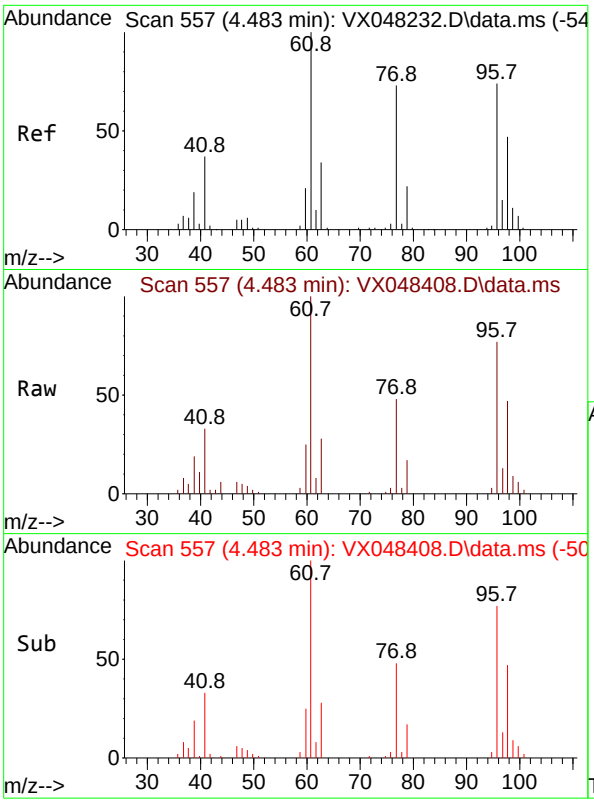


#26
2,2-Dichloropropane
Concen: 4.814 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 77 Resp: 15992

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.1	33.3

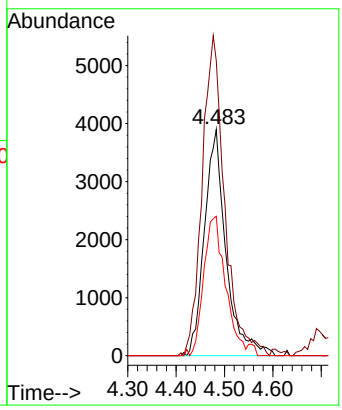




#27
cis-1,2-Dichloroethene
Concen: 4.857 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 96 Resp: 1207

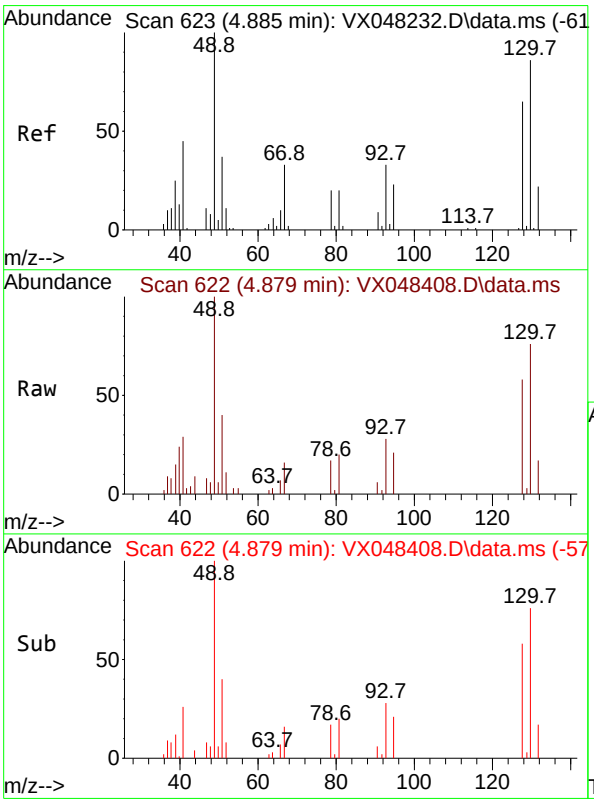
Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	294.2
98	62.1	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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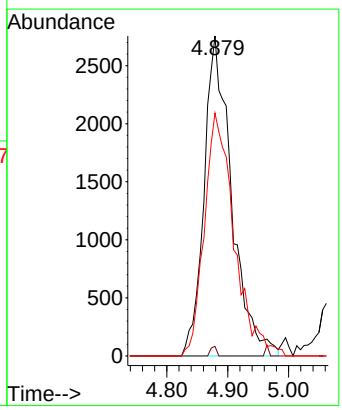
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

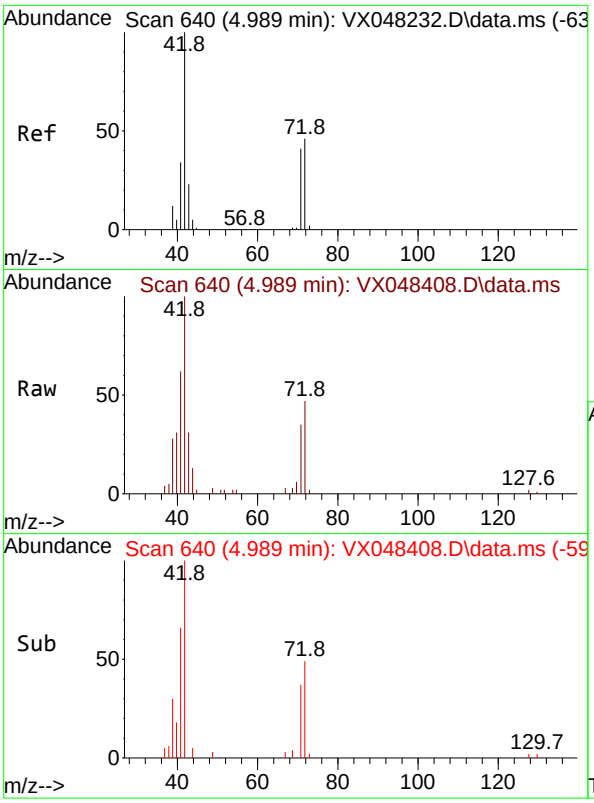


#28
Bromochloromethane
Concen: 4.940 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 49 Resp: 8637

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.4
130	81.9	59.3	88.9





#29
Tetrahydrofuran
Concen: 22.641 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

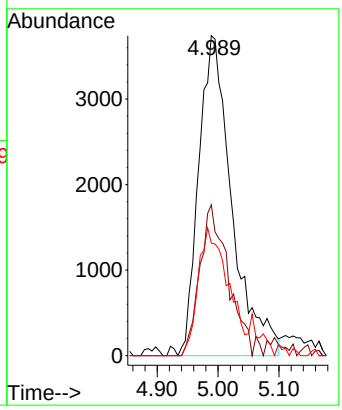
Tgt Ion: 42 Resp: 1414

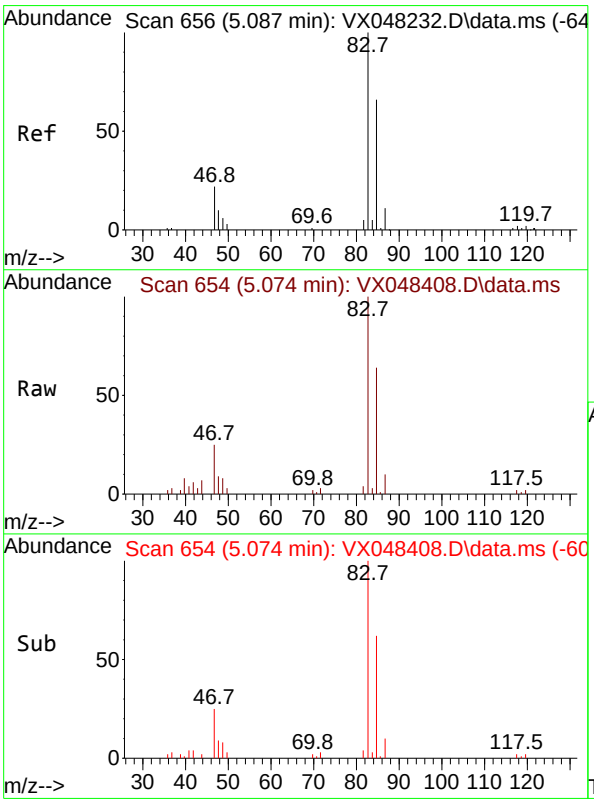
Ion	Ratio	Lower	Upper
42	100		
72	40.2	35.3	52.9
71	35.6	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

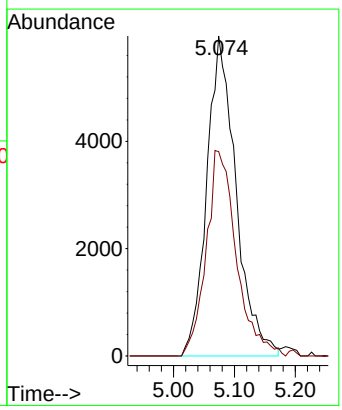


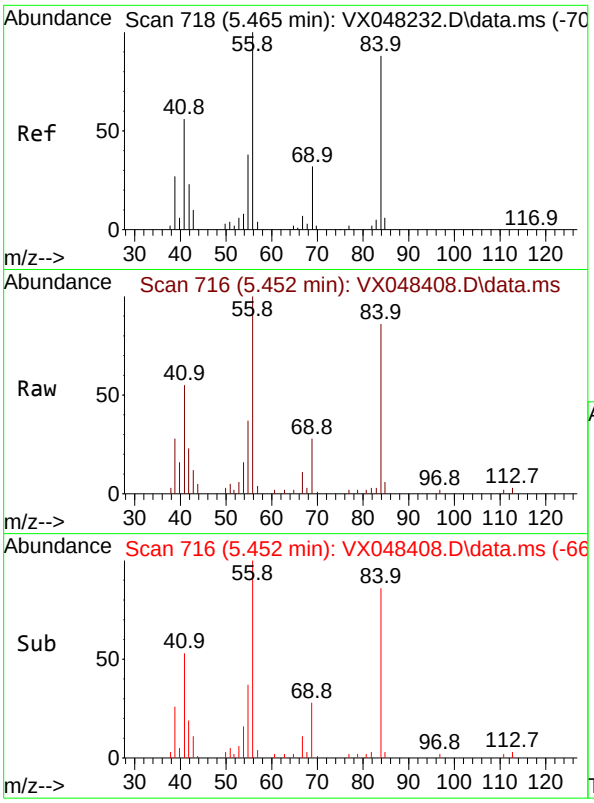


#30
Chloroform
Concen: 4.994 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 83 Resp: 19818

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.1	75.1

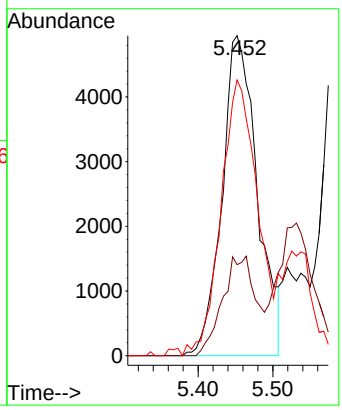




#31
Cyclohexane
Concen: 4.841 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 56 Resp: 1621

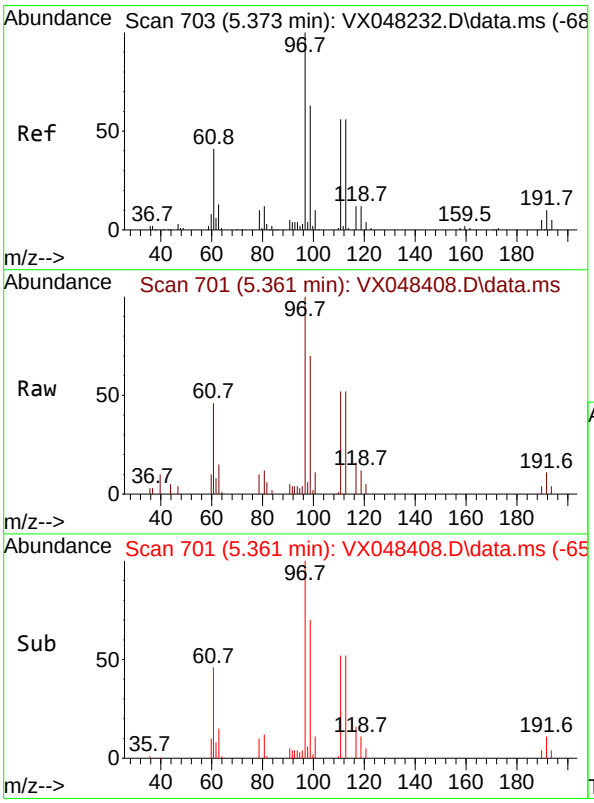
Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.0	34.6
84	83.8	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

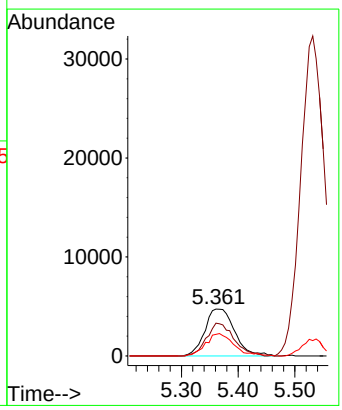
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

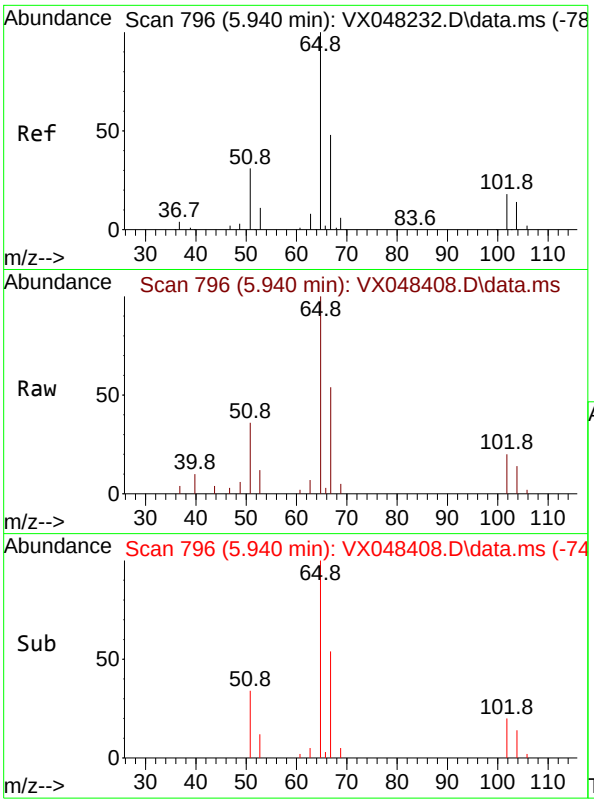


#32
1,1,1-Trichloroethane
Concen: 4.925 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 97 Resp: 17255

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	45.0	34.8	52.2

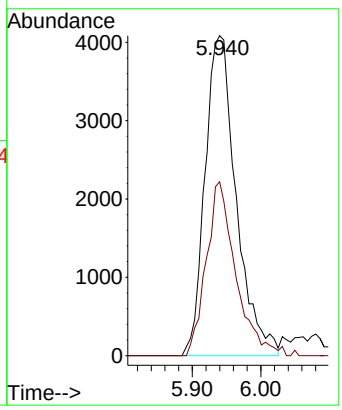




#33
1,2-Dichloroethane-d4
Concen: 5.322 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 65 Resp: 1289

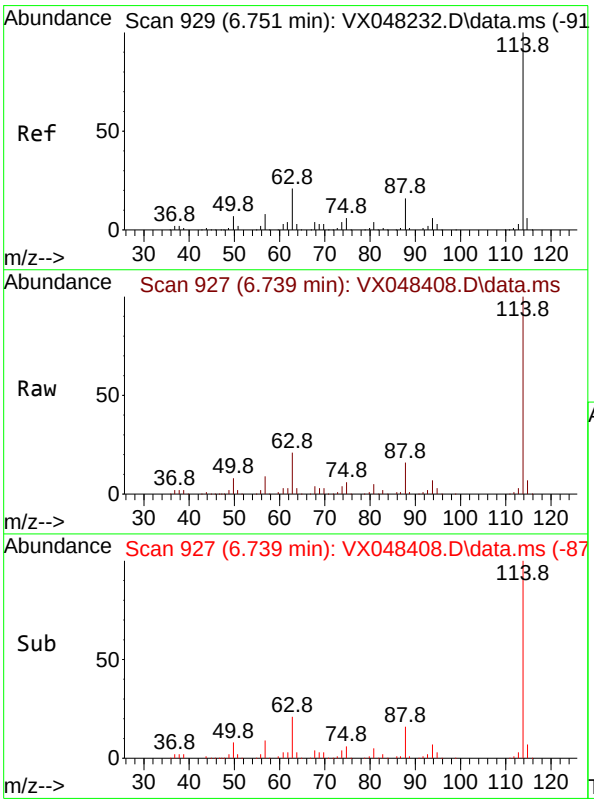
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

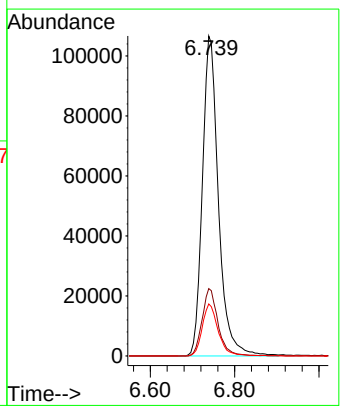
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

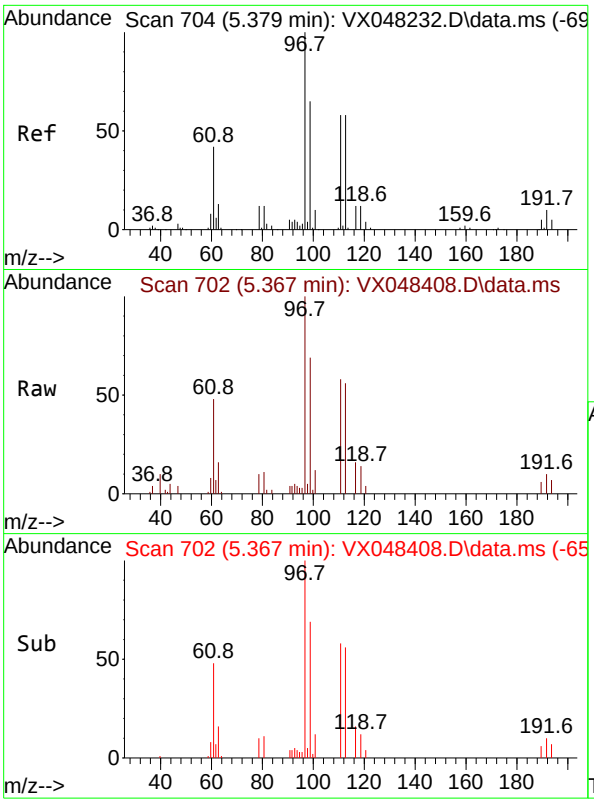


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:114 Resp: 282367

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.2
88	16.2	0.0	33.6

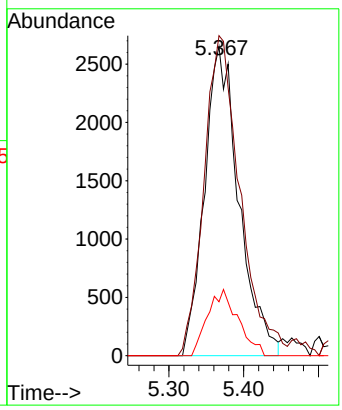




#35
Dibromofluoromethane
Concen: 5.266 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:113 Resp: 847

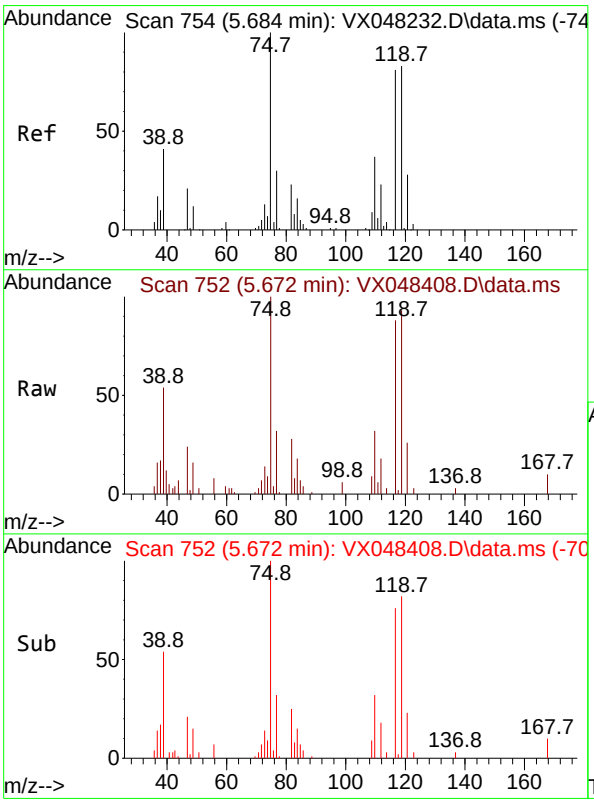
Ion	Ratio	Lower	Upper
113	100		
111	108.4	82.2	123.4
192	19.0	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

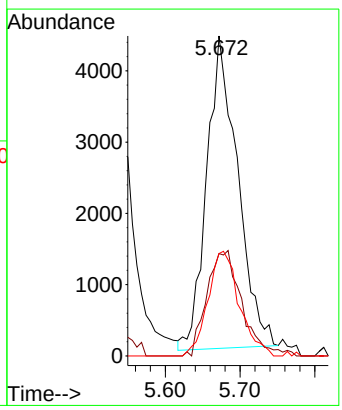
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

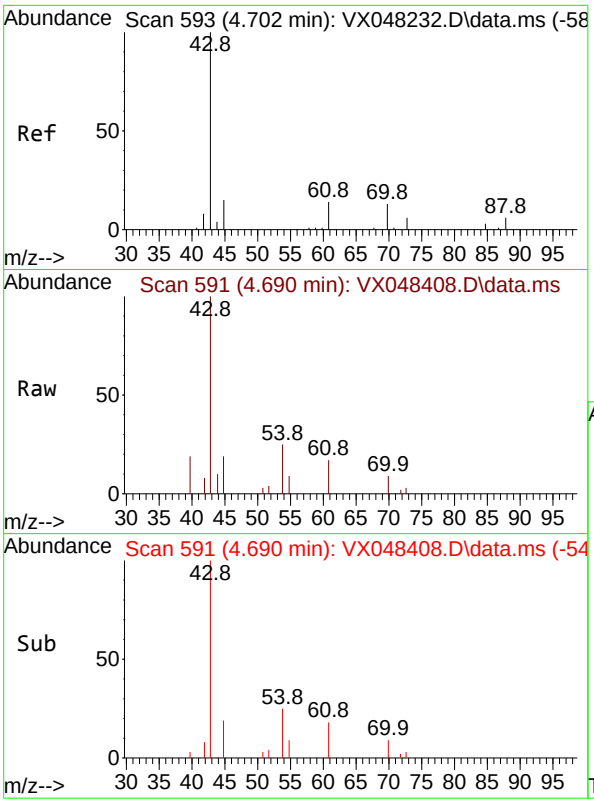


#36
1,1-Dichloropropene
Concen: 4.662 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 75 Resp: 12604

Ion	Ratio	Lower	Upper
75	100		
110	38.1	17.7	53.1
77	34.1	24.3	36.5





#37
Ethyl Acetate
Concen: 5.165 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

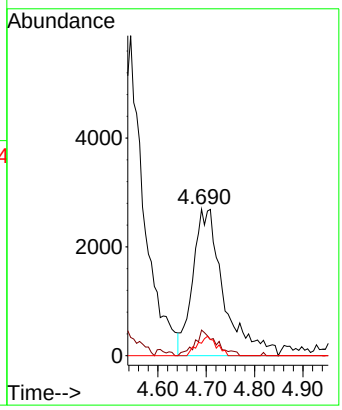
Tgt Ion: 43 Resp: 1189

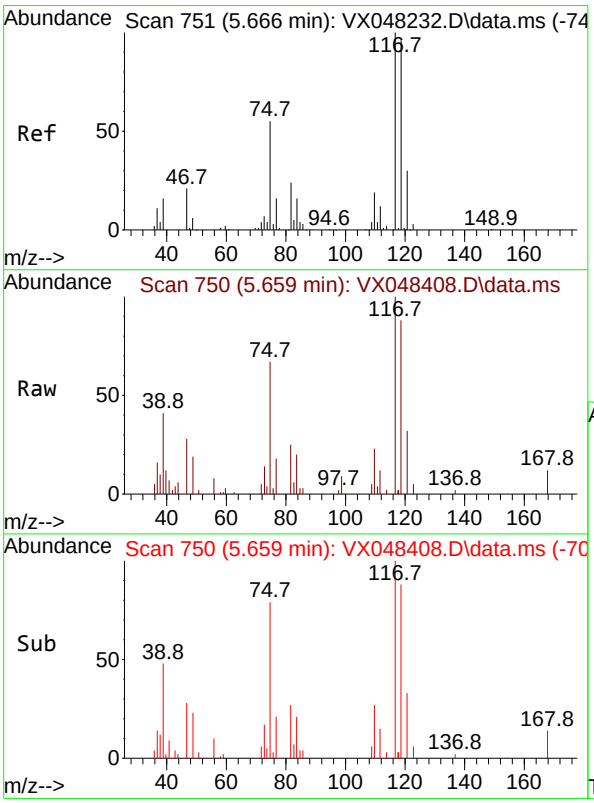
Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.6	15.8
70	8.1	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

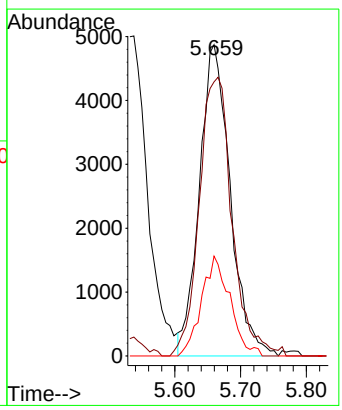


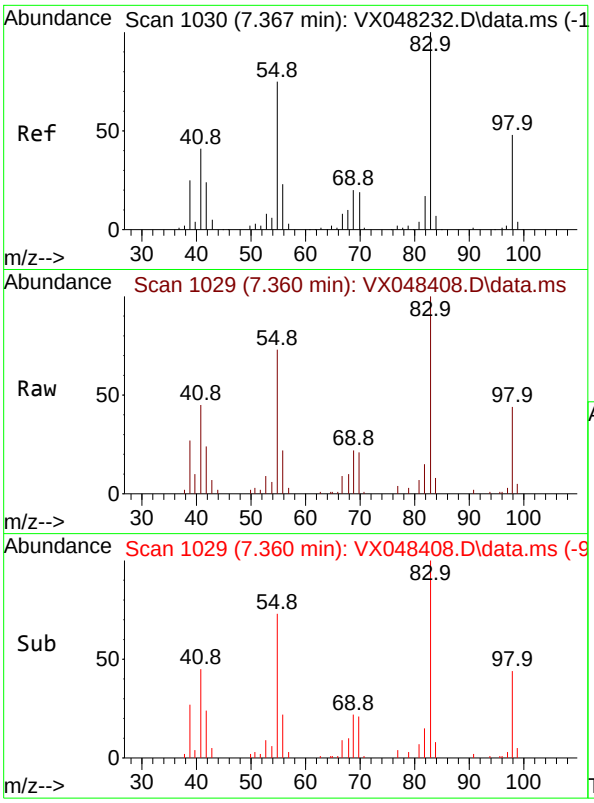


#38
Carbon Tetrachloride
Concen: 5.081 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:117 Resp: 15859

Ion	Ratio	Lower	Upper
117	100		
119	86.3	77.2	115.8
121	32.1	24.8	37.2

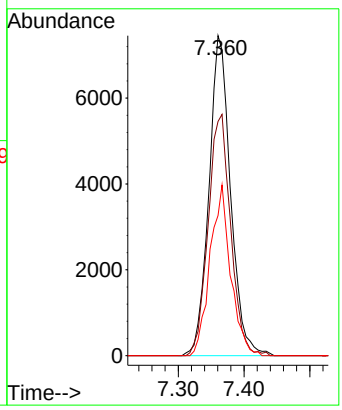




#39
Methylcyclohexane
Concen: 4.909 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 83 Resp: 1706

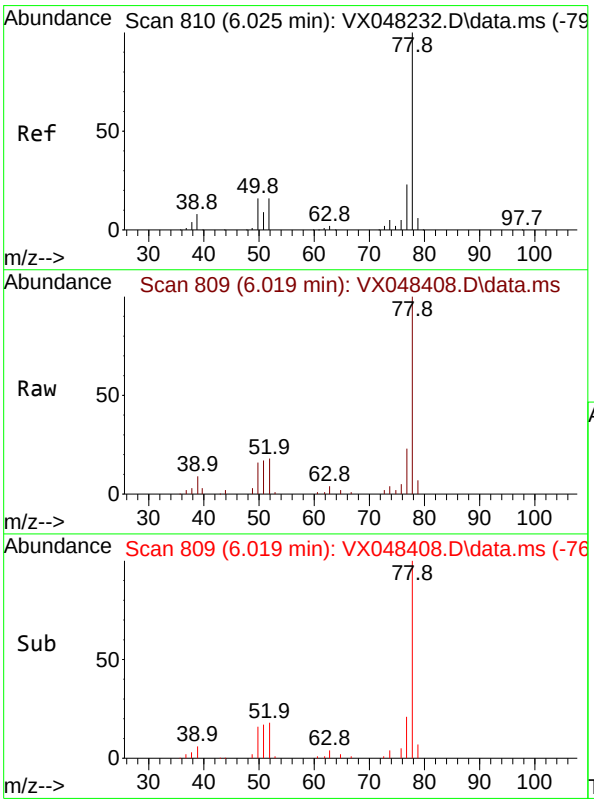
Ion	Ratio	Lower	Upper
83	100		
55	73.2	66.2	99.2
98	43.8	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

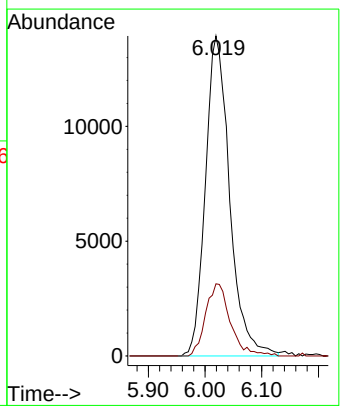
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

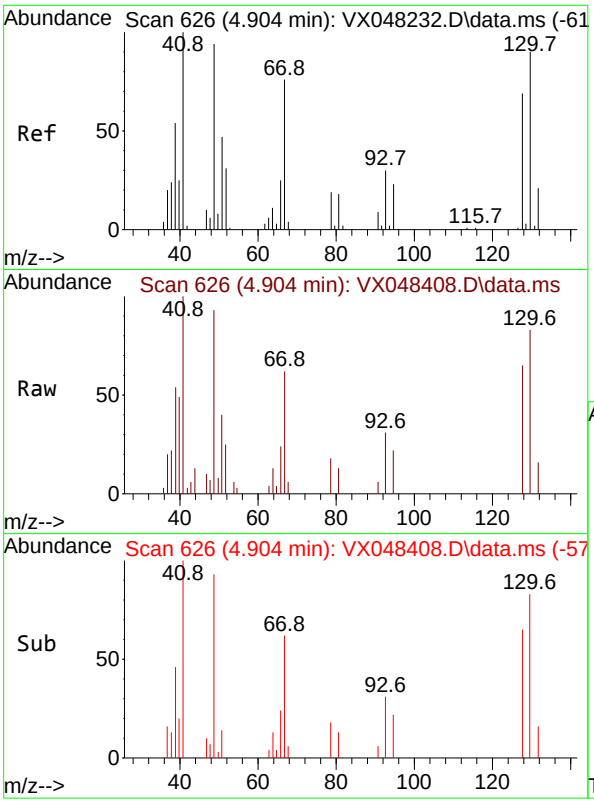


#40
Benzene
Concen: 5.004 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 78 Resp: 41332

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.3	28.9

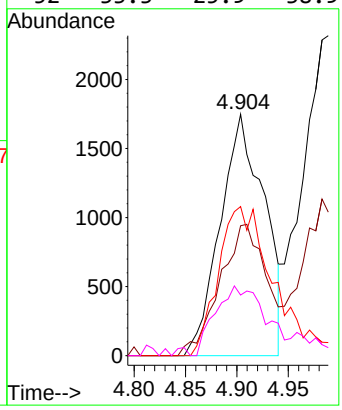




#41
Methacrylonitrile
Concen: 4.479 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 41 Resp: 519

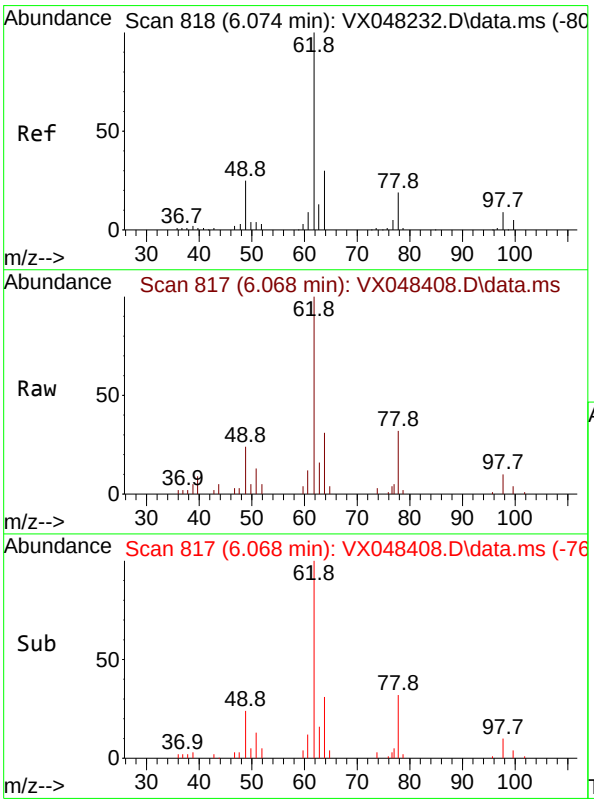
Ion	Ratio	Lower	Upper
41	100		
39	56.8	44.0	66.0
67	76.8	58.7	88.1
52	33.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

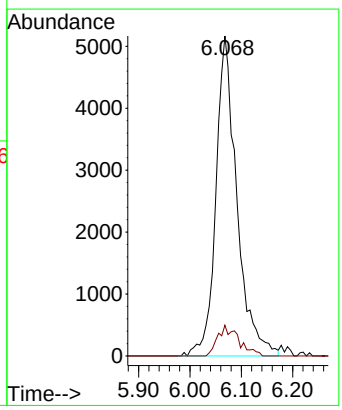
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

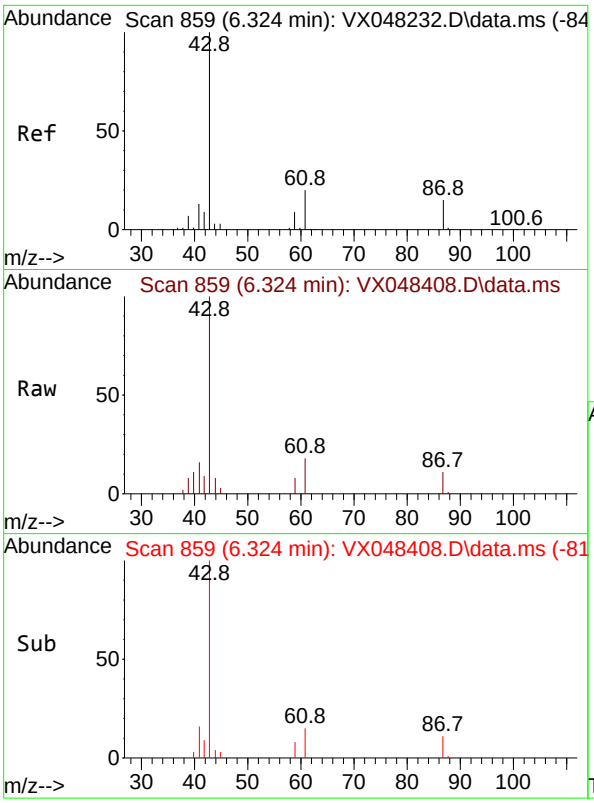


#42
1,2-Dichloroethane
Concen: 5.045 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 62 Resp: 14675

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	17.2

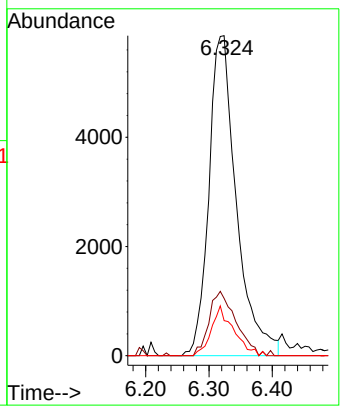




#43
Isopropyl Acetate
Concen: 4.666 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 43 Resp: 1774

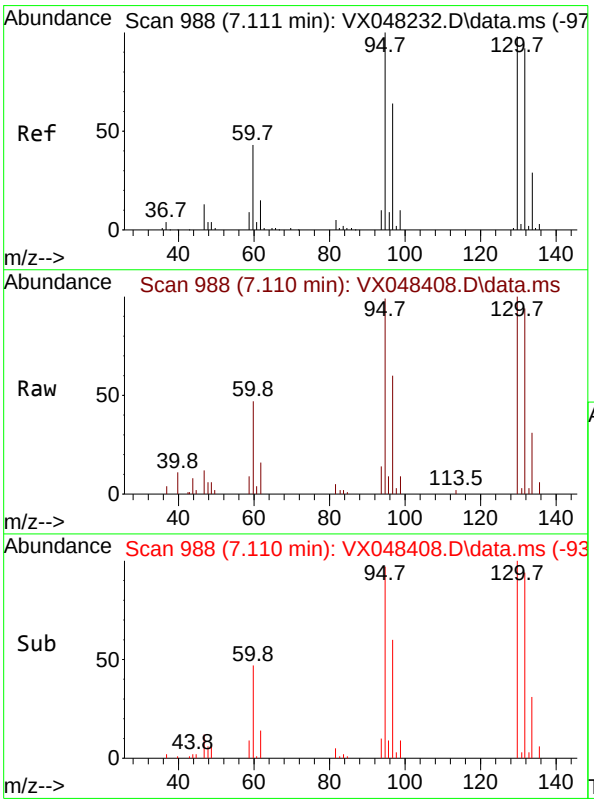
Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.9	22.3
87	12.6	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

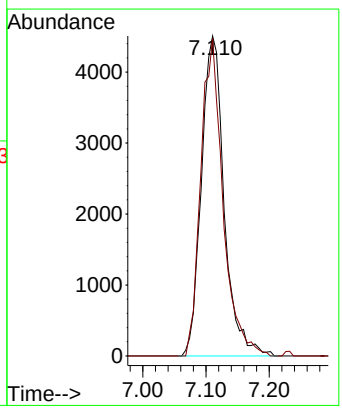
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

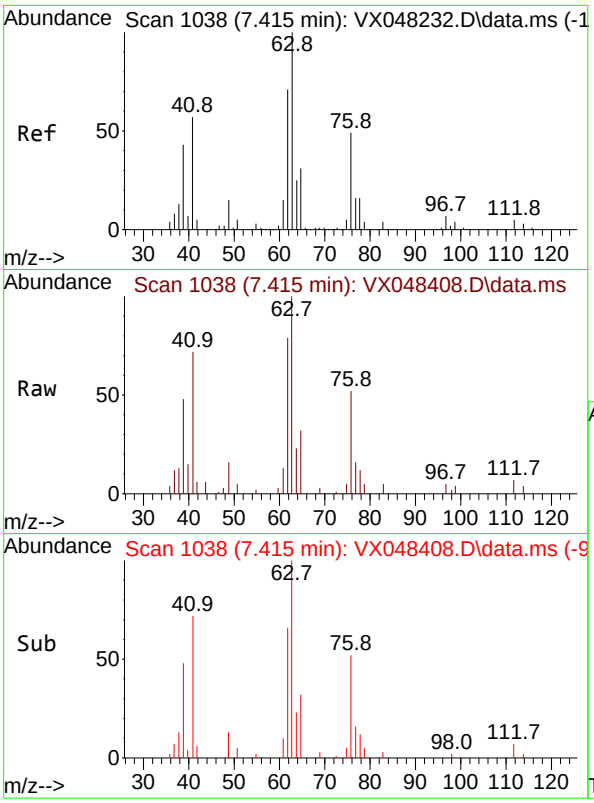


#44
Trichloroethene
Concen: 5.208 ug/l
RT: 7.110 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:130 Resp: 11270

Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	200.6

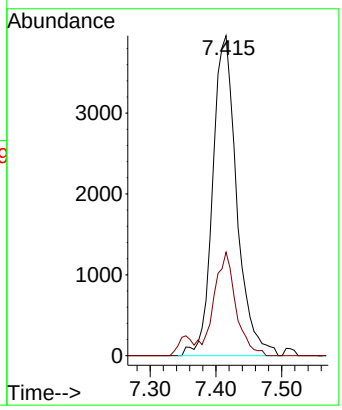




#45
1,2-Dichloropropane
Concen: 4.887 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 63 Resp: 1008

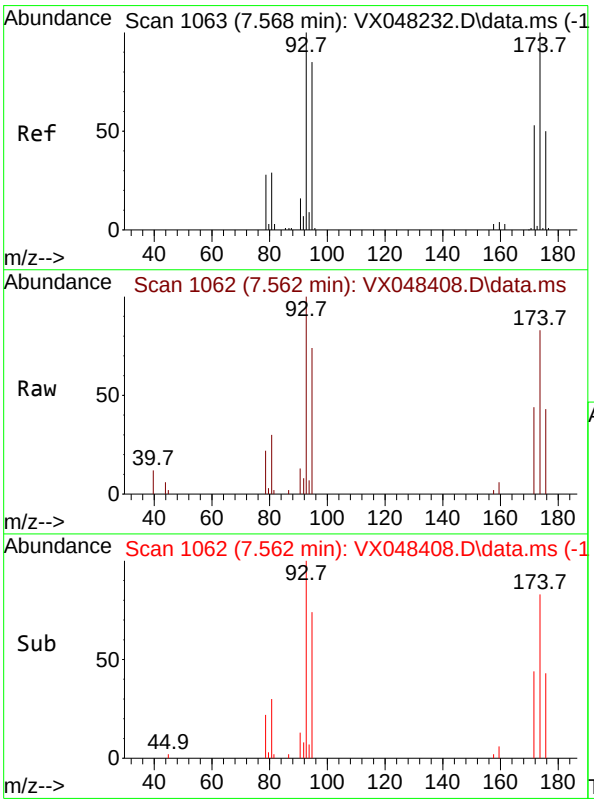
Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

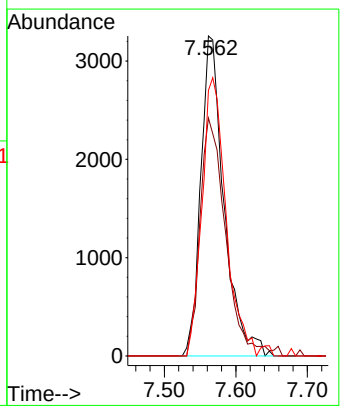
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

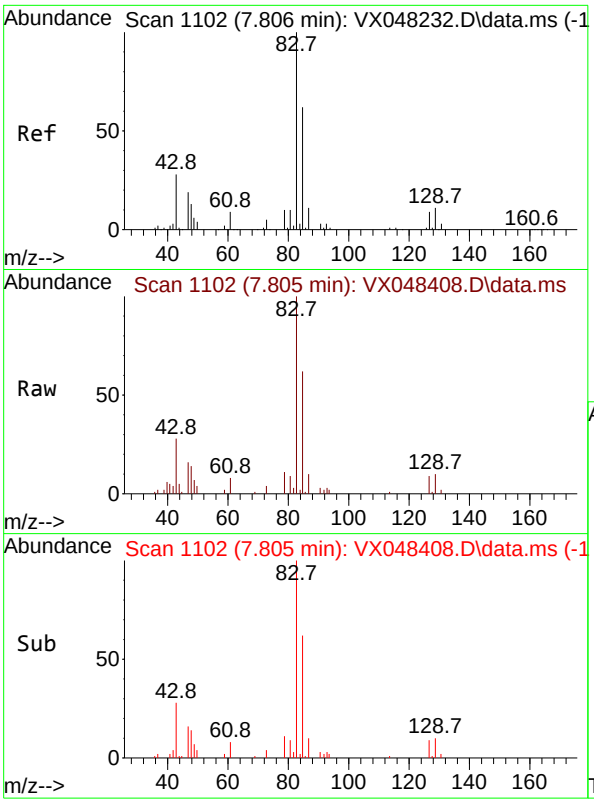


#46
Dibromomethane
Concen: 5.087 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 93 Resp: 7346

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.9	98.9
174	89.7	71.7	107.5

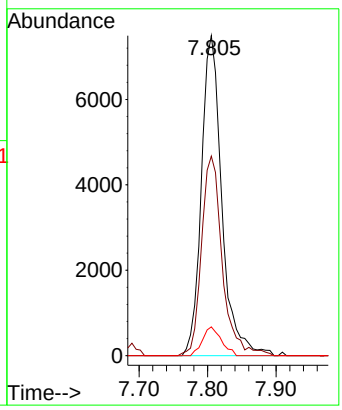




#47
Bromodichloromethane
Concen: 5.086 ug/l
RT: 7.805 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 83 Resp: 1560

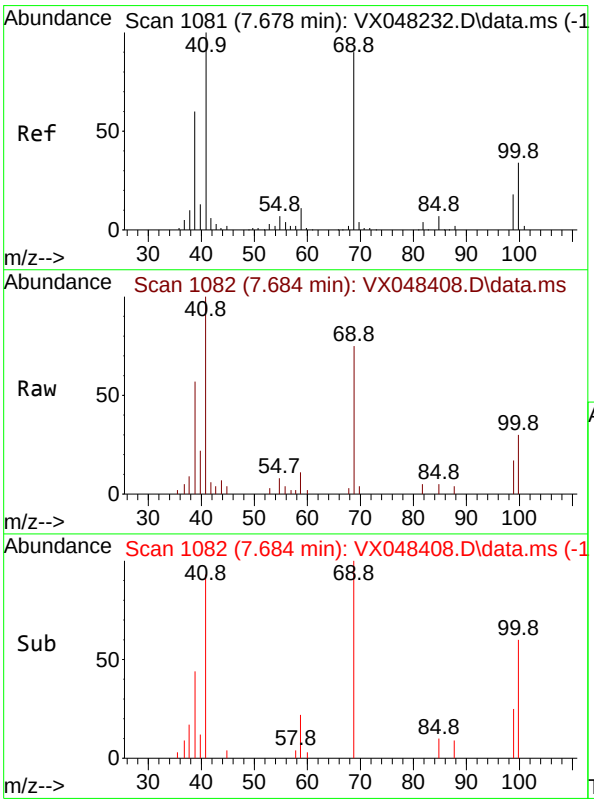
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.2	78.4
127	9.0	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

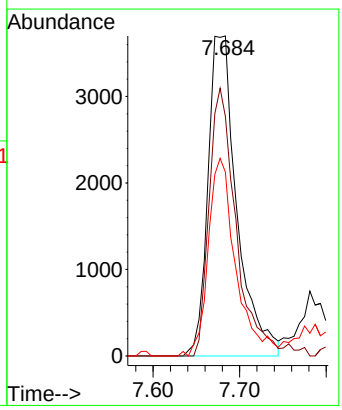
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

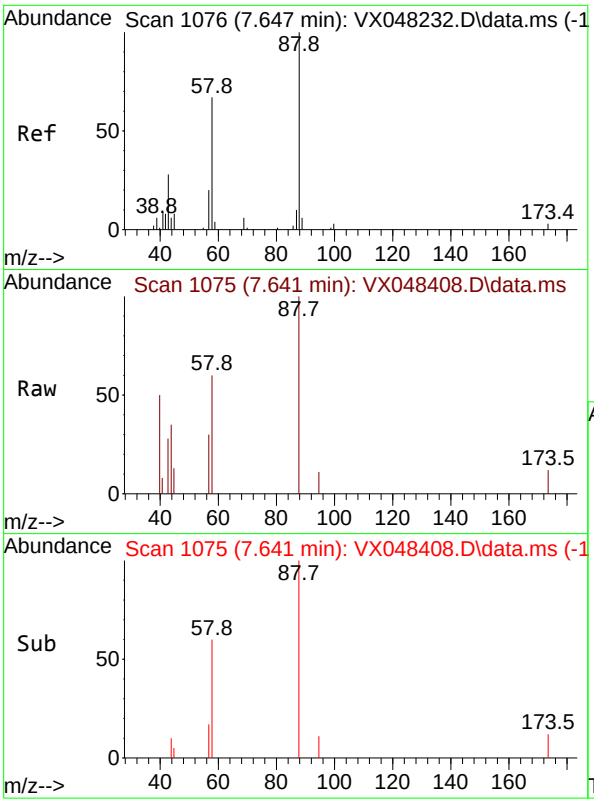


#48
Methyl methacrylate
Concen: 4.649 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 41 Resp: 8621

Ion	Ratio	Lower	Upper
41	100		
69	77.7	63.4	95.0
39	58.6	47.1	70.7





#49
1,4-Dioxane
Concen: 94.031 ug/l
RT: 7.641 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

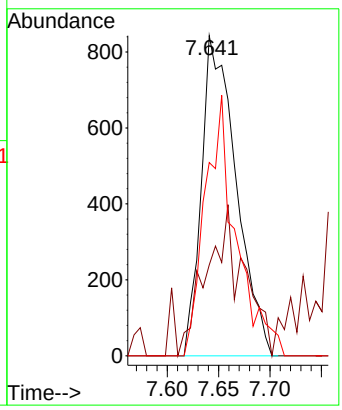
Tgt Ion: 88 Resp: 198

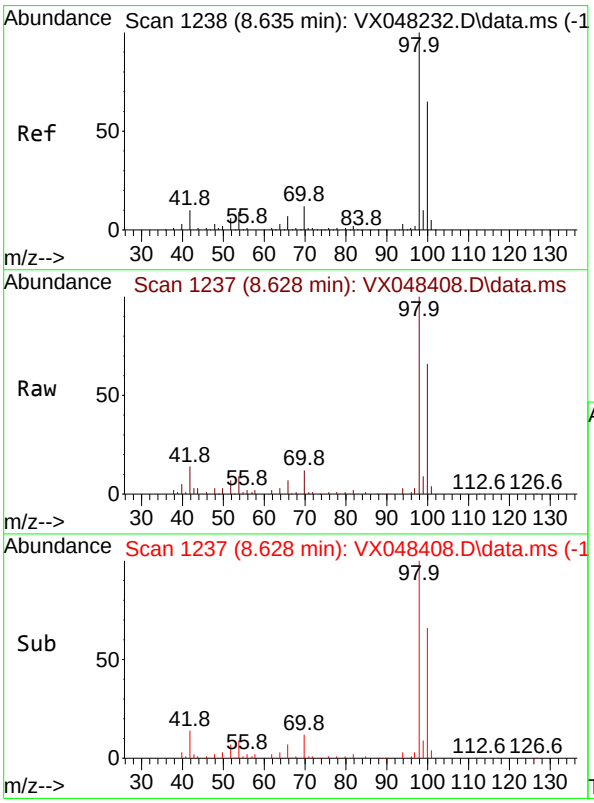
Ion	Ratio	Lower	Upper
88	100		
43	50.6	35.0	52.4
58	72.8	61.9	92.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

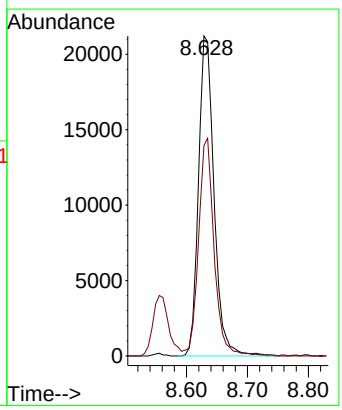


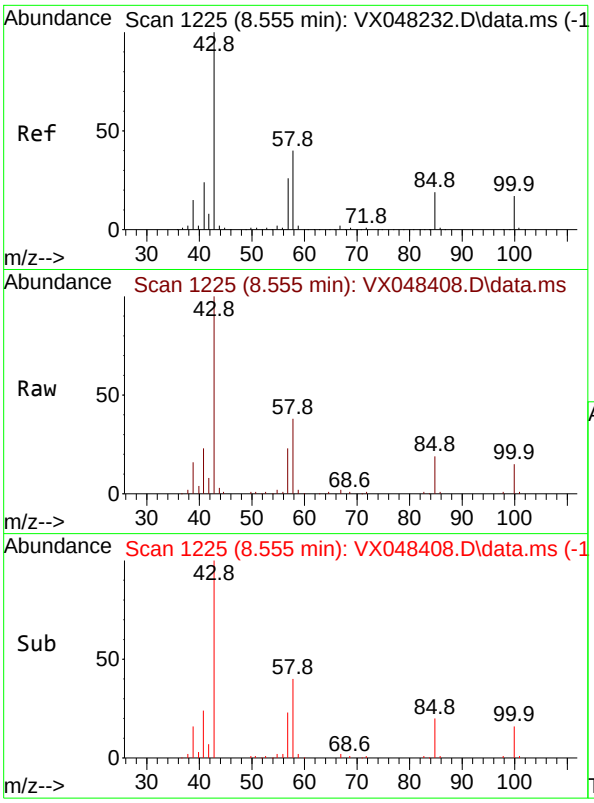


#50
Toluene-d8
Concen: 5.298 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 98 Resp: 37648

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

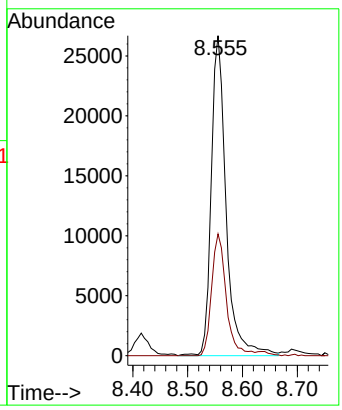




#51
4-Methyl-2-Pentanone
Concen: 23.712 ug/l
RT: 8.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 43 Resp: 5018

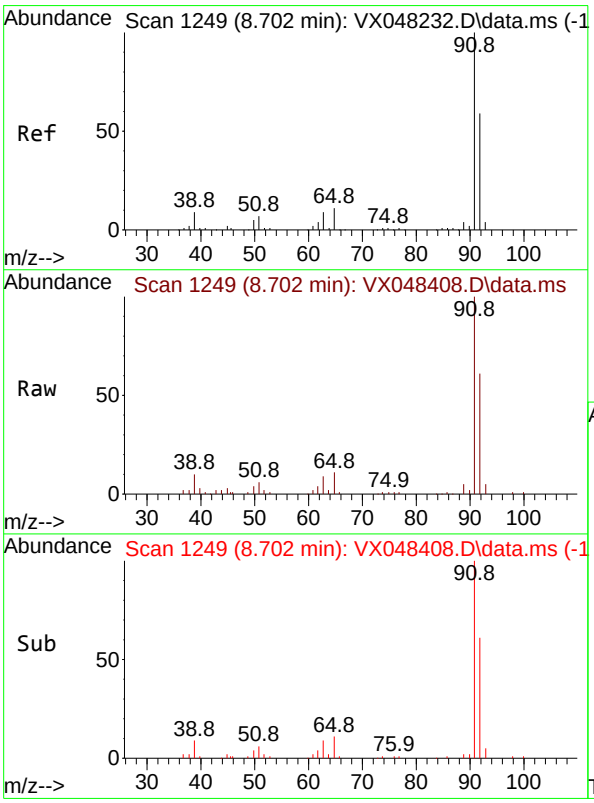
Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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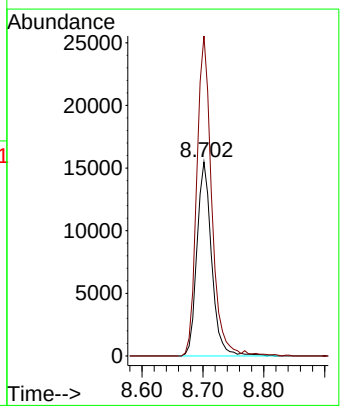
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

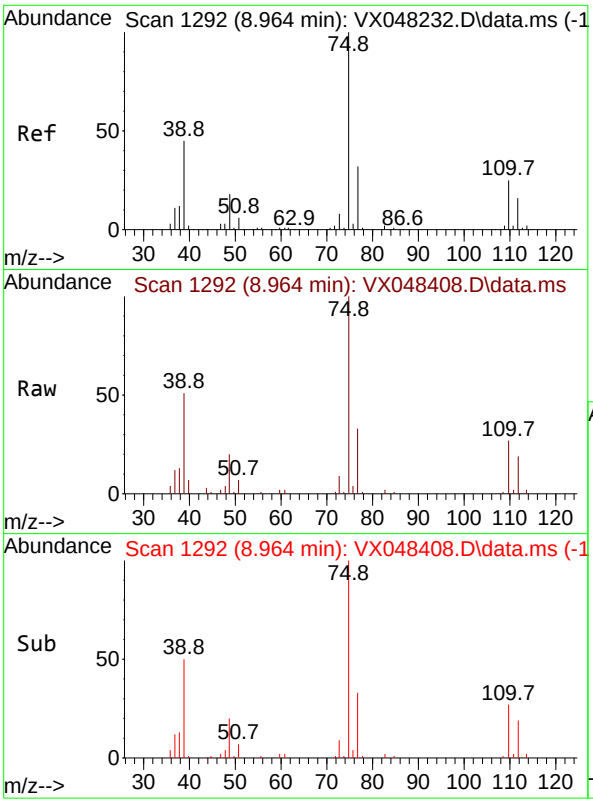


#52
Toluene
Concen: 5.021 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 92 Resp: 25912

Ion	Ratio	Lower	Upper
92	100		
91	168.0	136.1	204.1

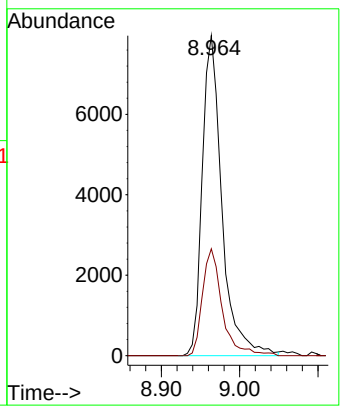




#53
t-1,3-Dichloropropene
Concen: 4.988 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 75 Resp: 1387

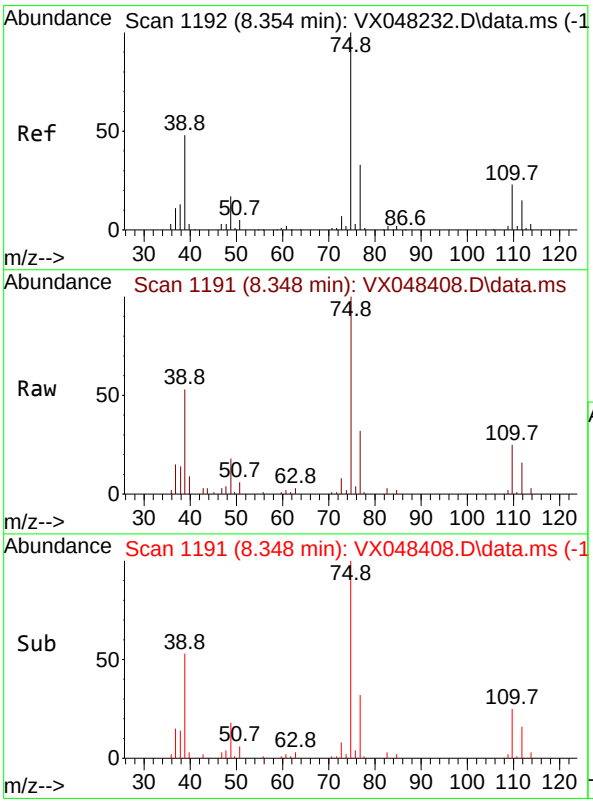
Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

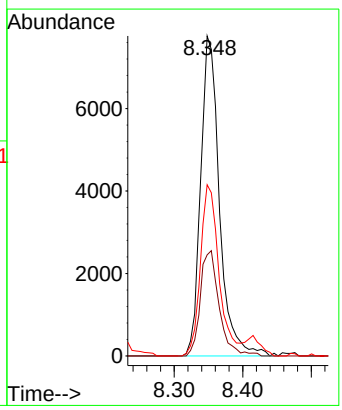
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

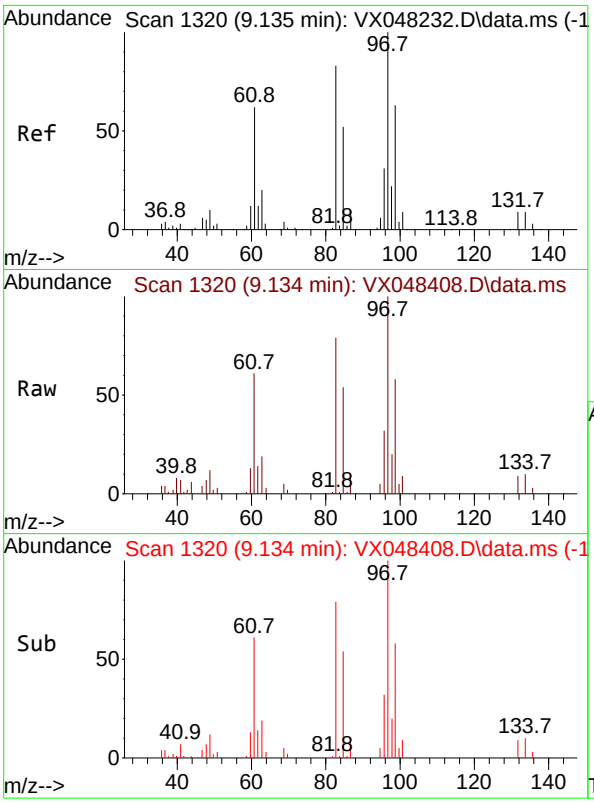


#54
cis-1,3-Dichloropropene
Concen: 4.947 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 75 Resp: 14823

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.9	37.3
39	53.5	42.6	64.0

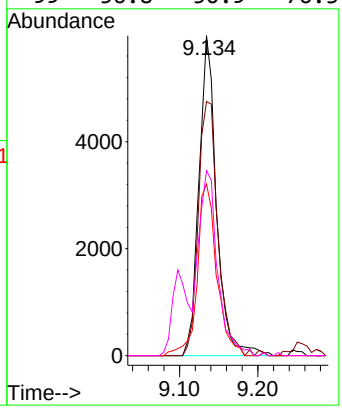




#55
1,1,2-Trichloroethane
Concen: 4.989 ug/l
RT: 9.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 97 Resp: 931

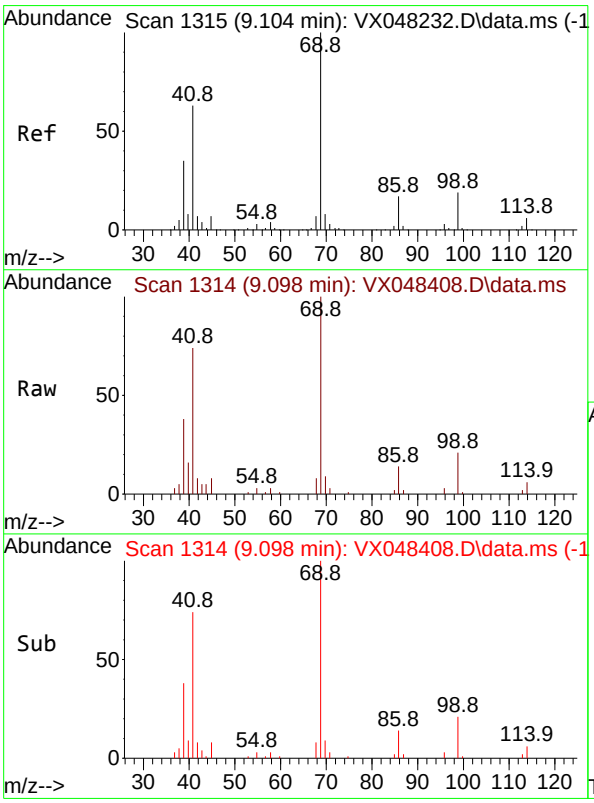
Ion	Ratio	Lower	Upper
97	100		
83	79.4	70.6	105.8
85	53.6	45.0	67.6
99	56.8	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

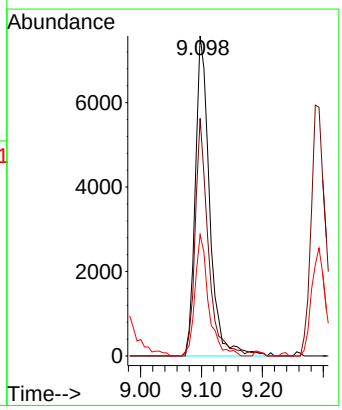
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

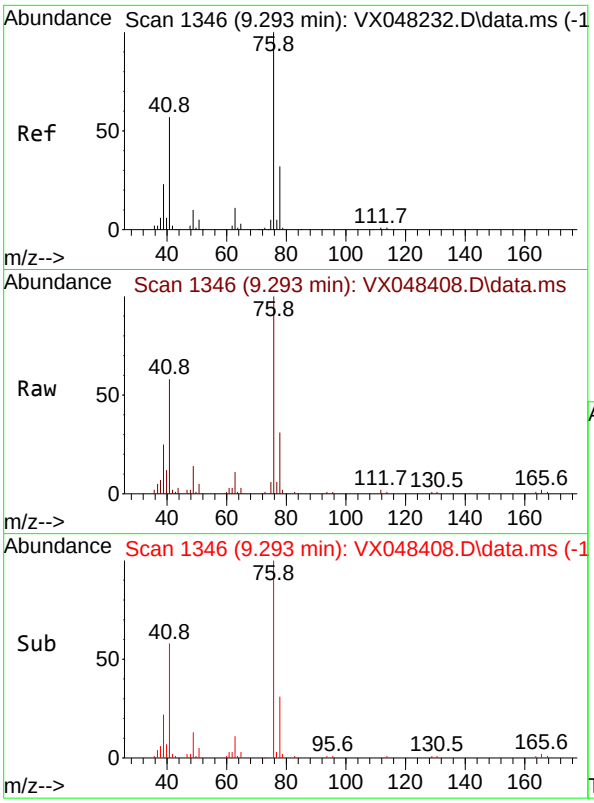


#56
Ethyl methacrylate
Concen: 4.527 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 69 Resp: 12380

Ion	Ratio	Lower	Upper
69	100		
41	67.3	56.0	84.0
39	35.9	31.6	47.4

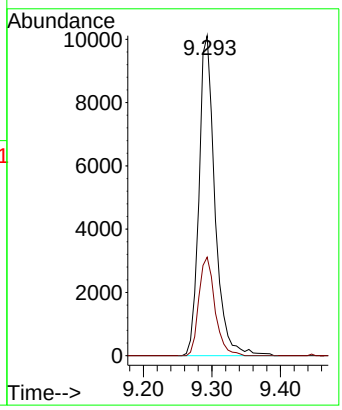




#57
1,3-Dichloropropane
Concen: 5.054 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 76 Resp: 1636

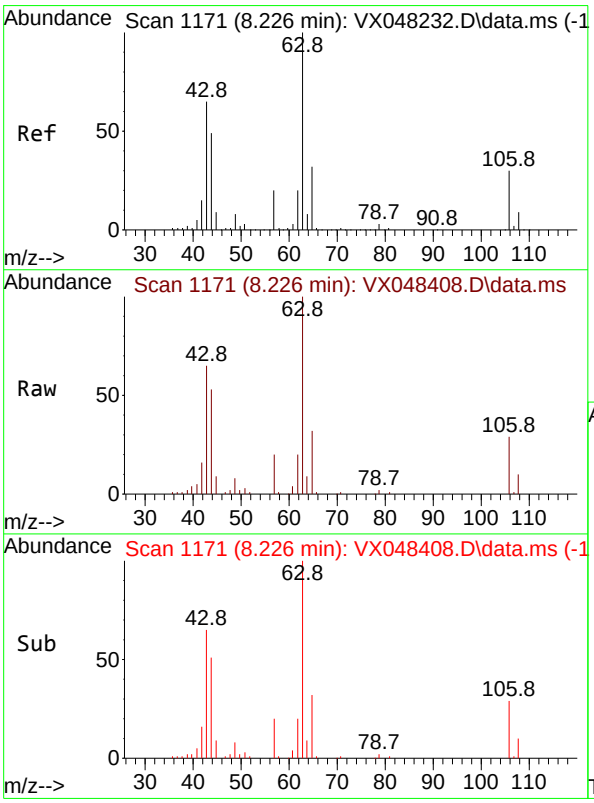
Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

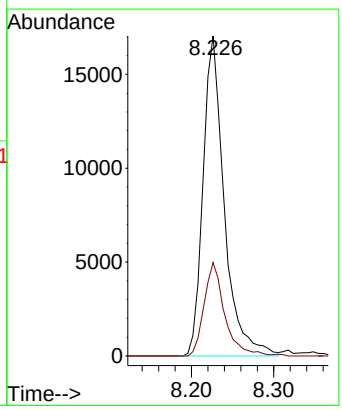
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

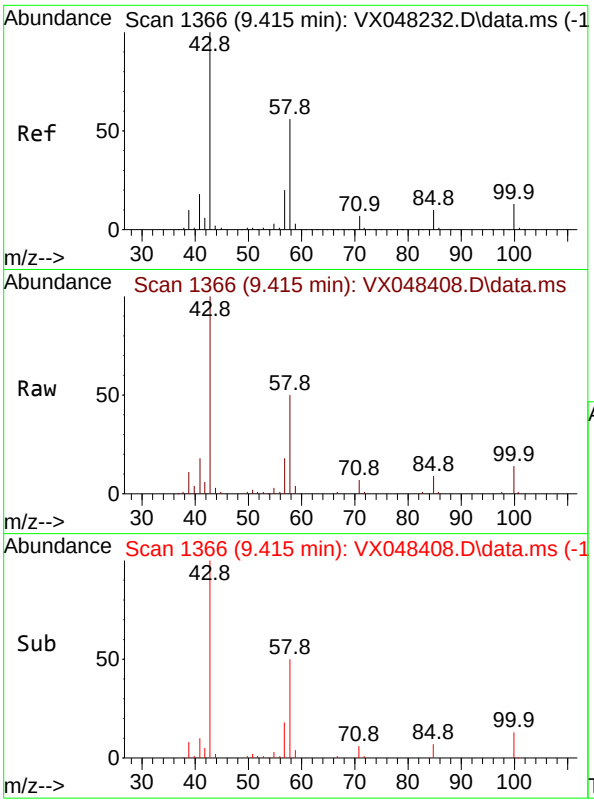


#58
2-Chloroethyl Vinyl ether
Concen: 27.358 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 63 Resp: 30558

Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.2	33.2

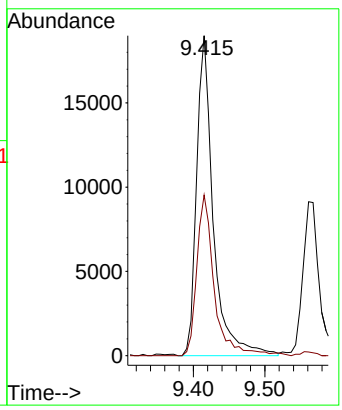




#59
2-Hexanone
Concen: 22.254 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 43 Resp: 3064

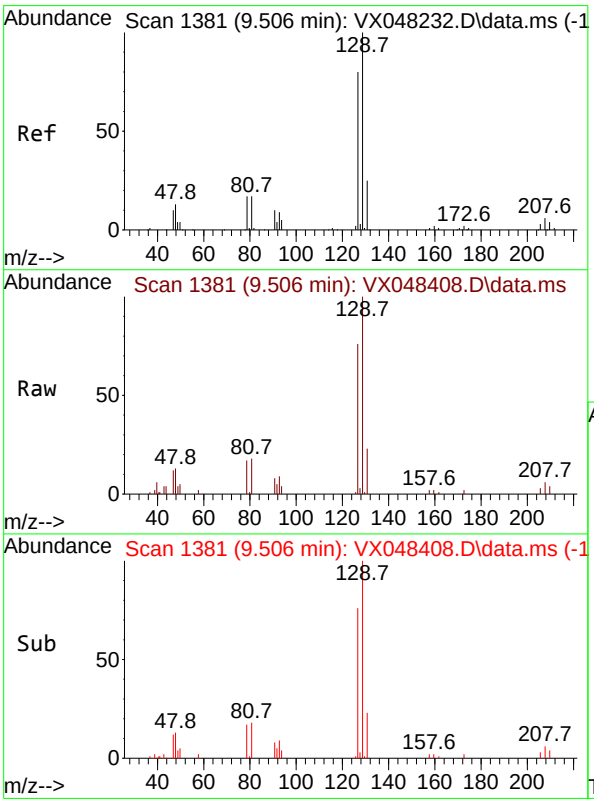
Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.3	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

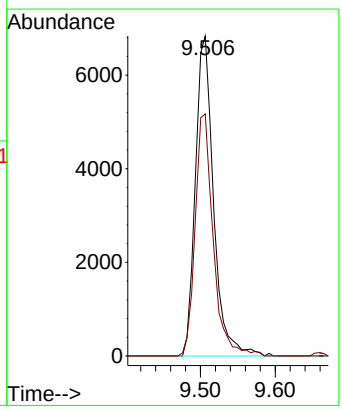
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

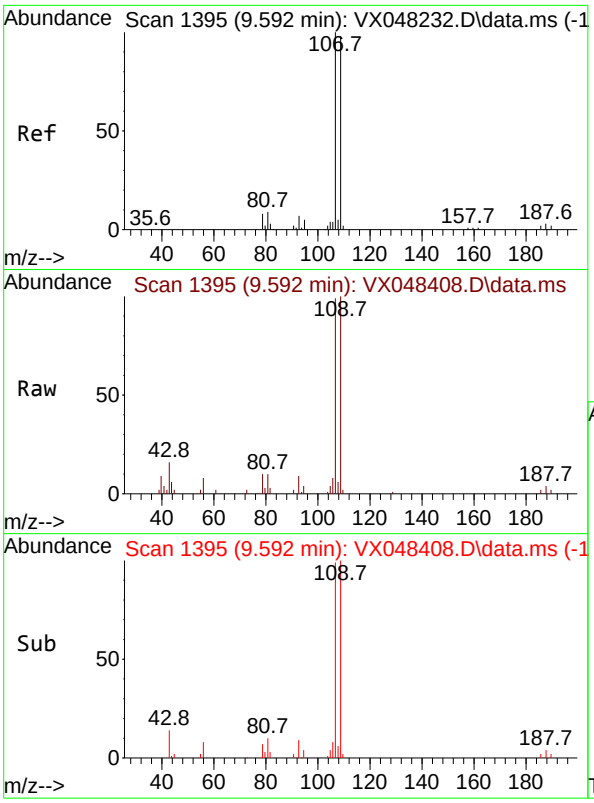


#60
Dibromochloromethane
Concen: 4.987 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:129 Resp: 11519

Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.6	115.7

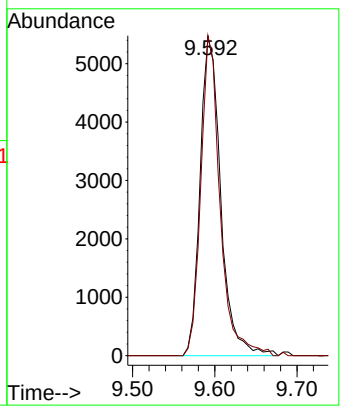




#61
1,2-Dibromoethane
Concen: 4.938 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:107 Resp: 954

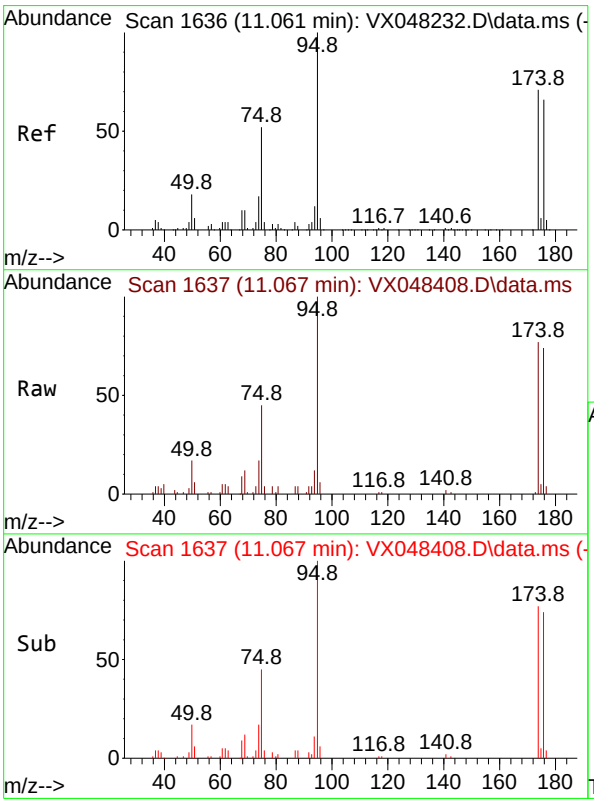
Ion	Ratio	Lower	Upper
107	100		
109	93.3	77.0	115.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

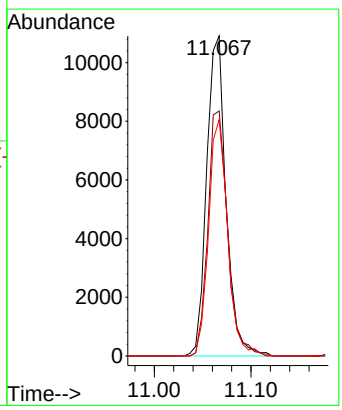
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

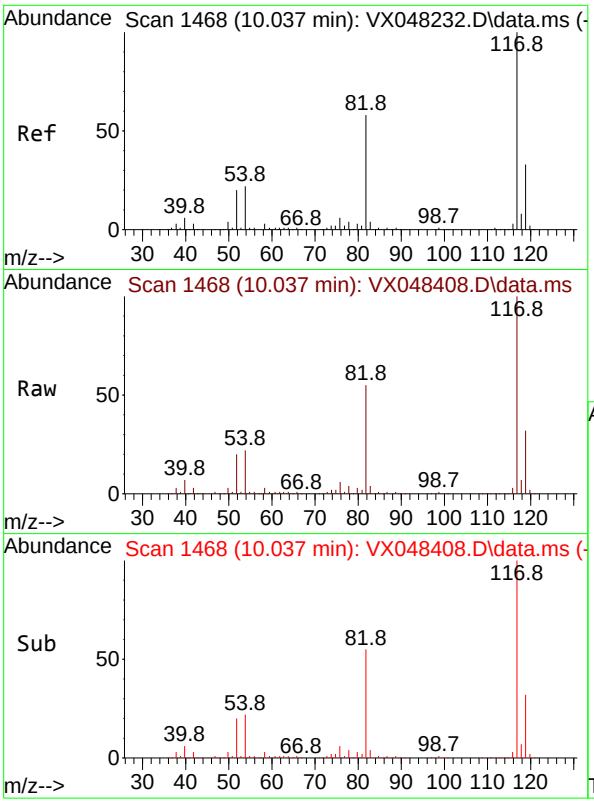


#62
4-Bromofluorobenzene
Concen: 5.707 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 95 Resp: 15170

Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	147.8
176	72.6	0.0	142.8

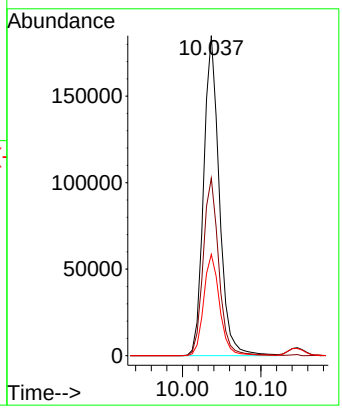




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:117 Resp: 25636

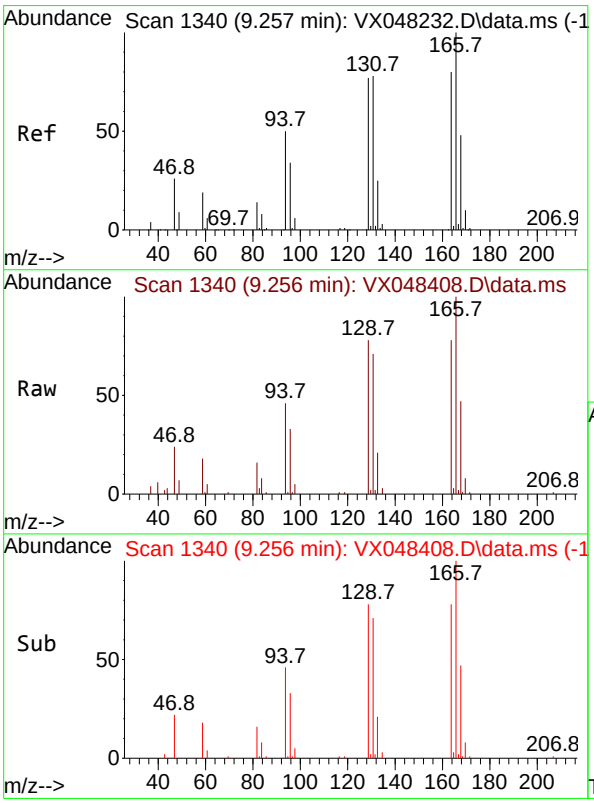
Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.5	69.7
119	31.7	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

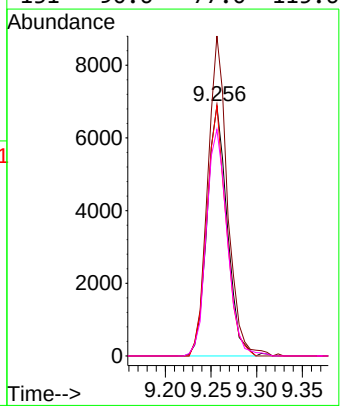
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

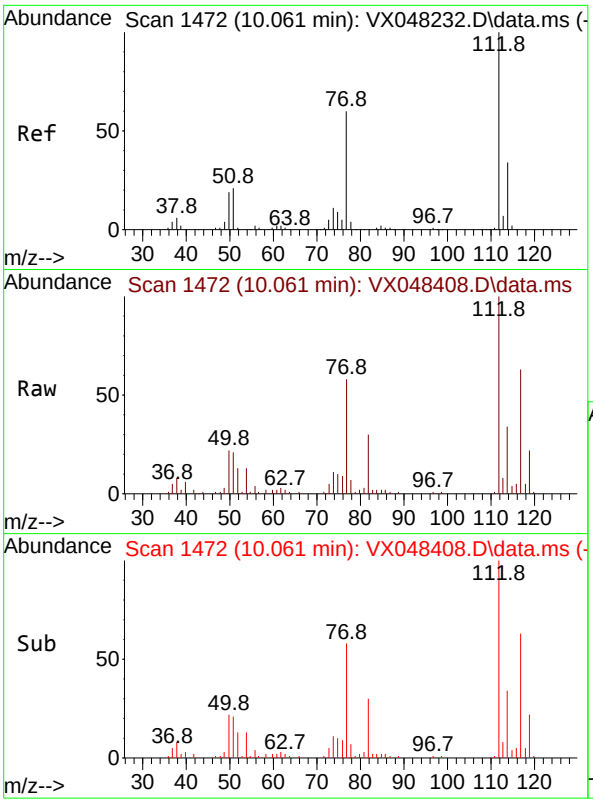


#64
Tetrachloroethene
Concen: 5.098 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:164 Resp: 10526

Ion	Ratio	Lower	Upper
164	100		
166	127.9	104.5	156.7
129	100.1	81.8	122.6
131	90.6	77.0	115.6

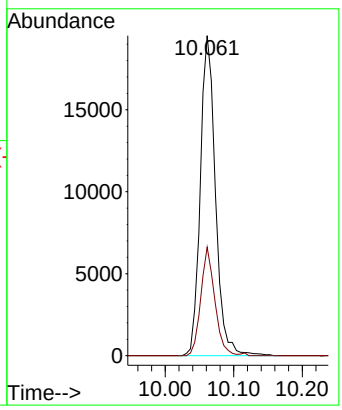




#65
Chlorobenzene
Concen: 5.096 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:112 Resp: 3009

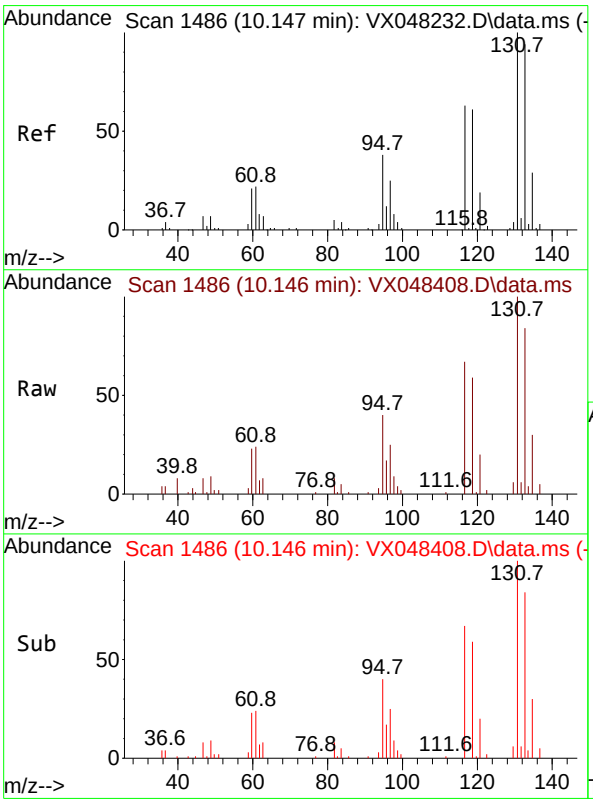
Ion	Ratio	Lower	Upper
112	100		
114	33.9	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

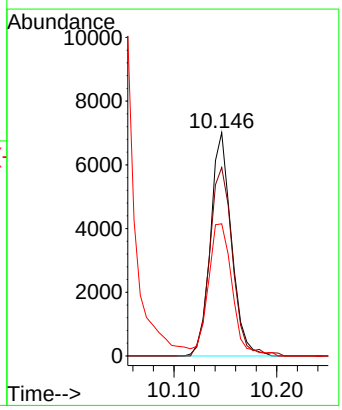
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

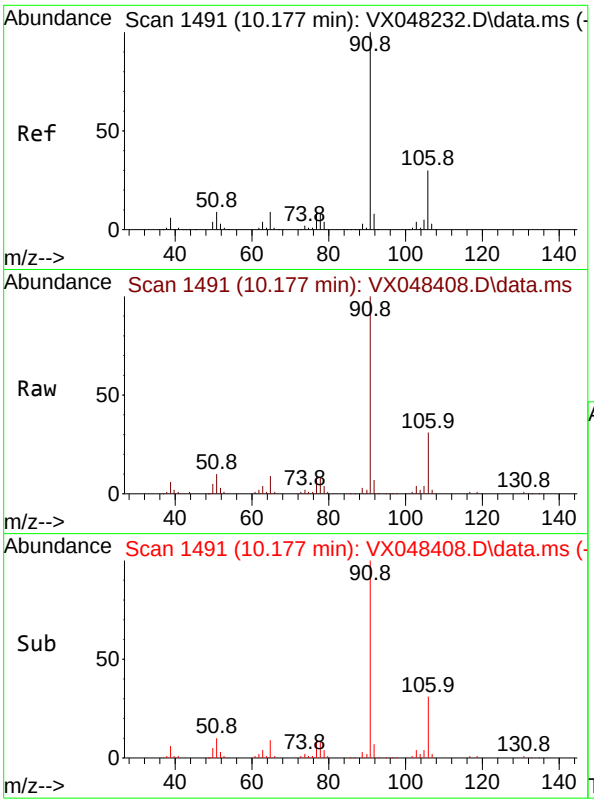


#66
1,1,1,2-Tetrachloroethane
Concen: 4.937 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:131 Resp: 9919

Ion	Ratio	Lower	Upper
131	100		
133	92.2	47.6	142.8
119	67.3	32.5	97.5

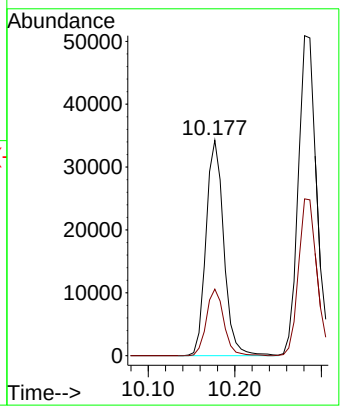




#67
Ethyl Benzene
Concen: 4.921 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 91 Resp: 4894

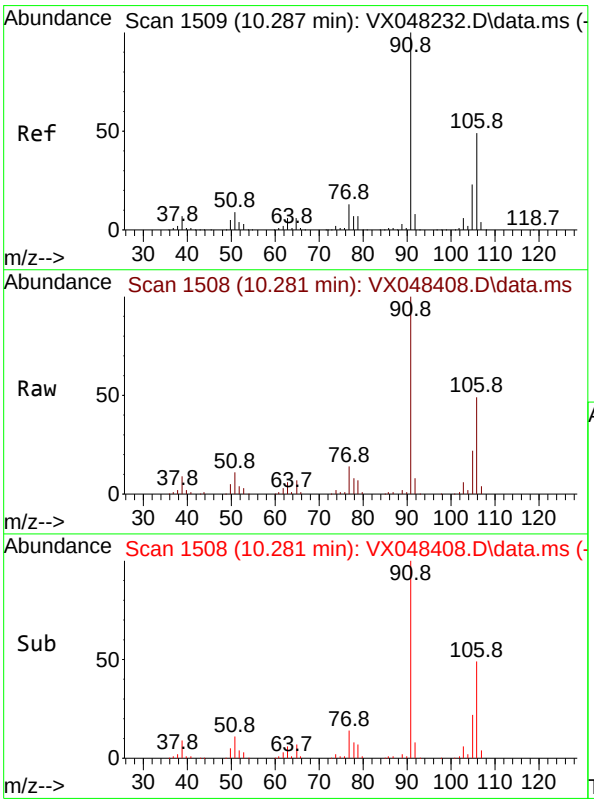
Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

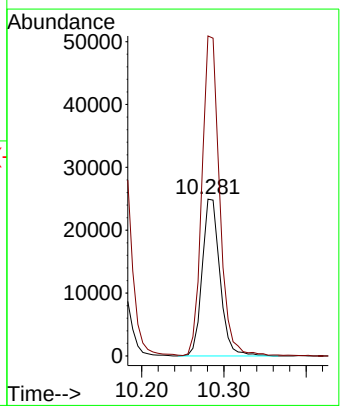
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

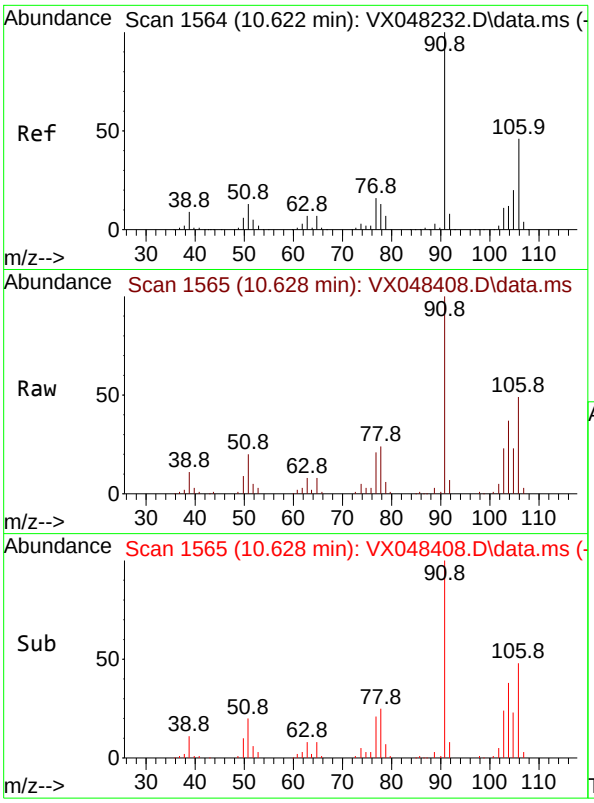


#68
m/p-Xylenes
Concen: 9.954 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:106 Resp: 37478

Ion	Ratio	Lower	Upper
106	100		
91	203.1	167.9	251.9

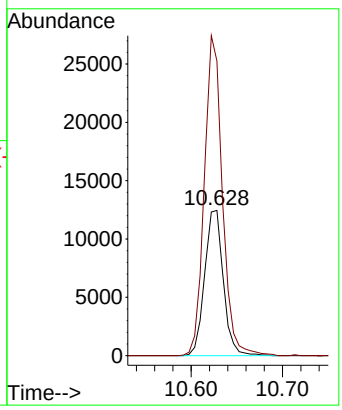




#69
o-Xylene
Concen: 4.907 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:106 Resp: 1765

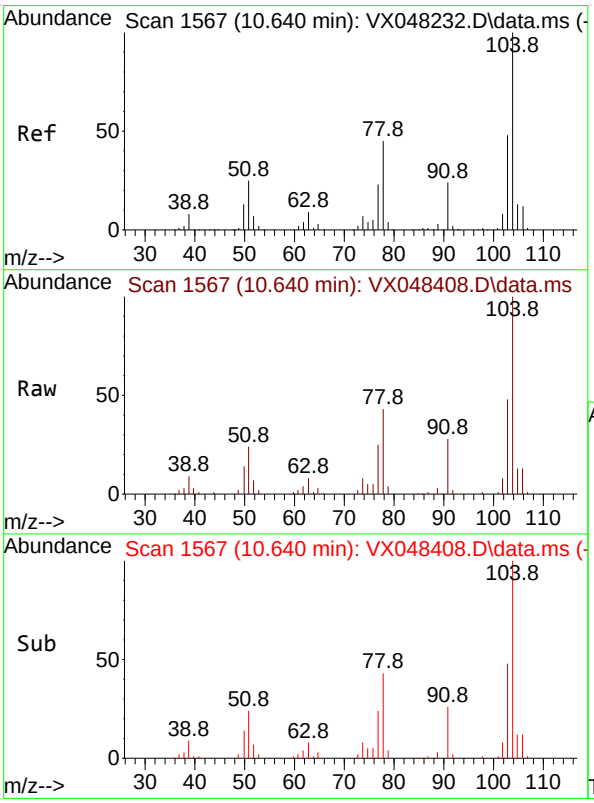
Ion	Ratio	Lower	Upper
106	100		
91	213.4	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

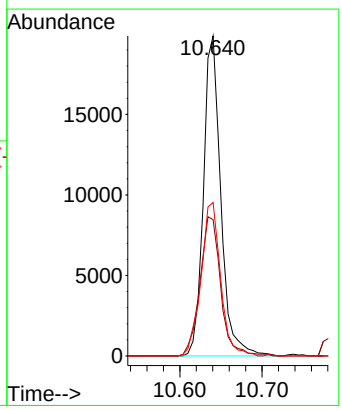
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

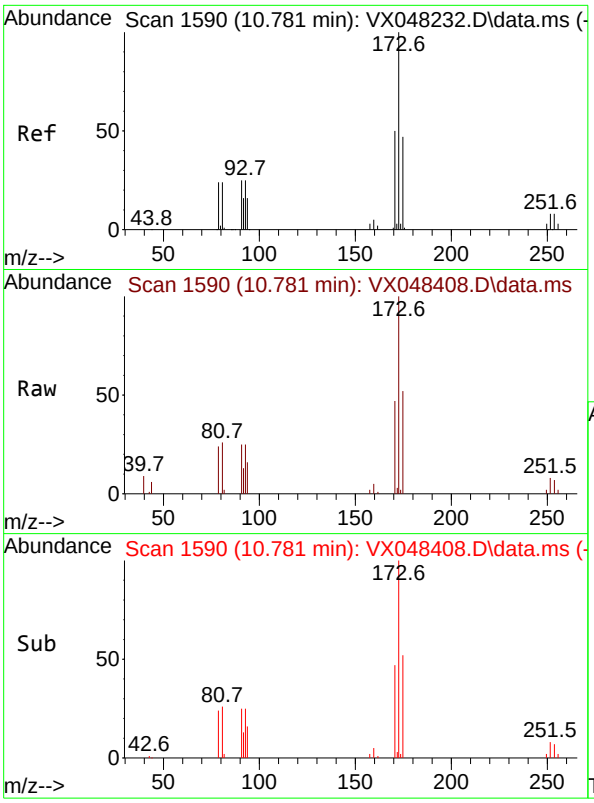


#70
Styrene
Concen: 4.790 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:104 Resp: 29194

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.2	63.4
103	54.0	43.0	64.4

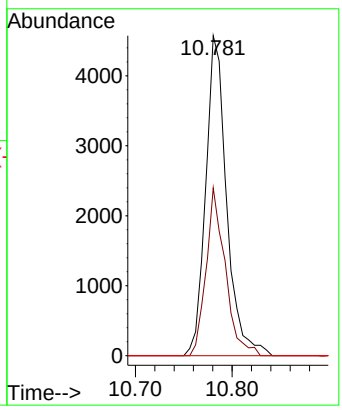




#71
Bromoform
Concen: 4.732 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:173 Resp: 687

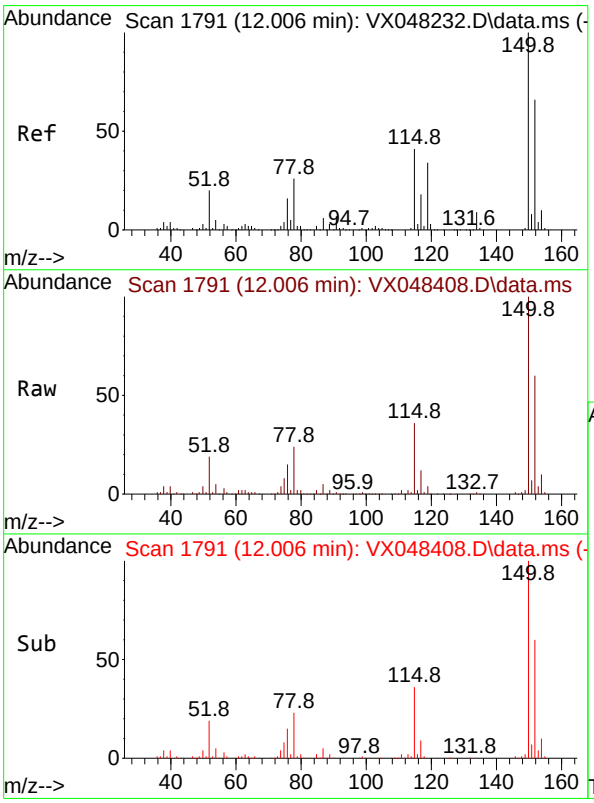
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.0	72.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

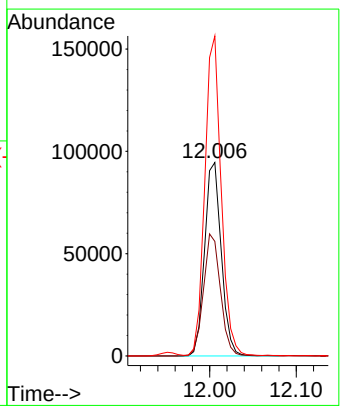
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

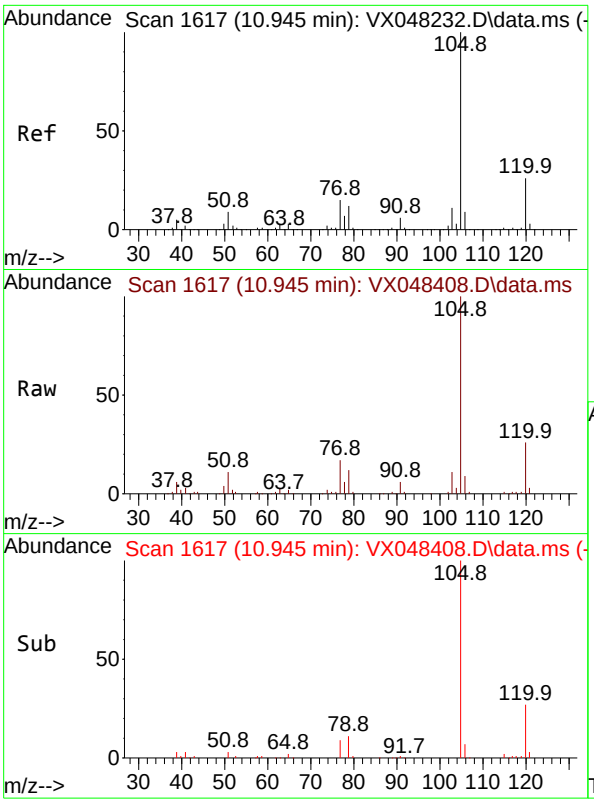


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:152 Resp: 126812

Ion	Ratio	Lower	Upper
152	100		
115	64.0	43.1	129.4
150	160.8	0.0	353.0

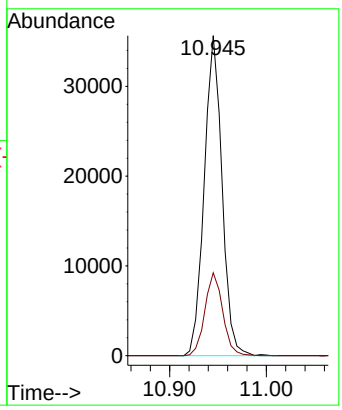




#73
Isopropylbenzene
Concen: 4.866 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:105 Resp: 4563

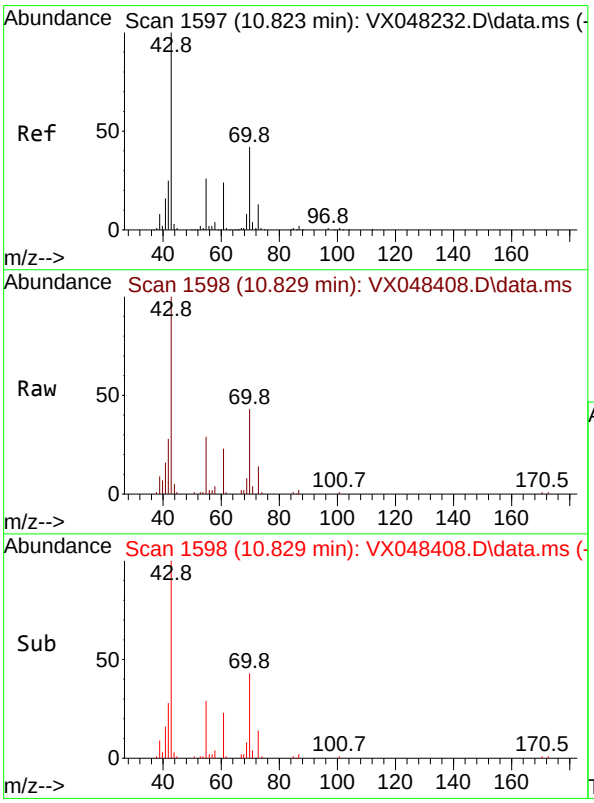
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

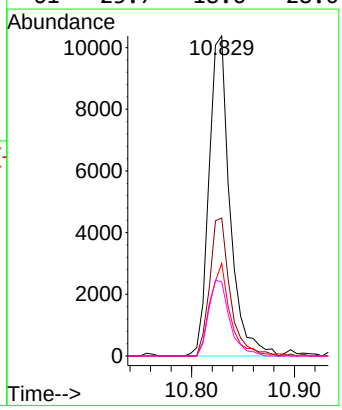
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

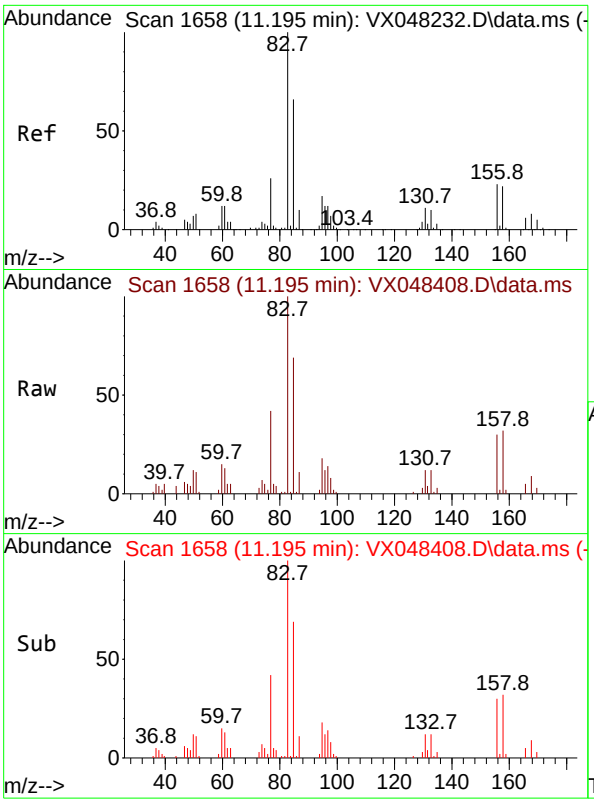


#74
N-amyl acetate
Concen: 4.397 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 43 Resp: 14713

Ion	Ratio	Lower	Upper
43	100		
70	41.8	32.2	48.2
55	27.8	19.1	28.7
61	23.7	18.6	28.0

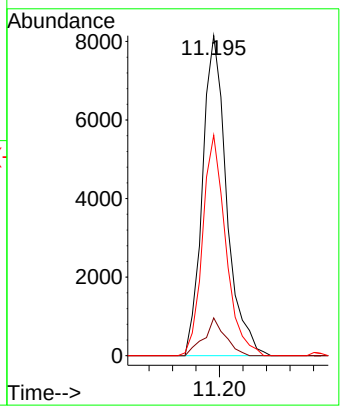




#75
1,1,2,2-Tetrachloroethane
Concen: 4.904 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 83 Resp: 1165

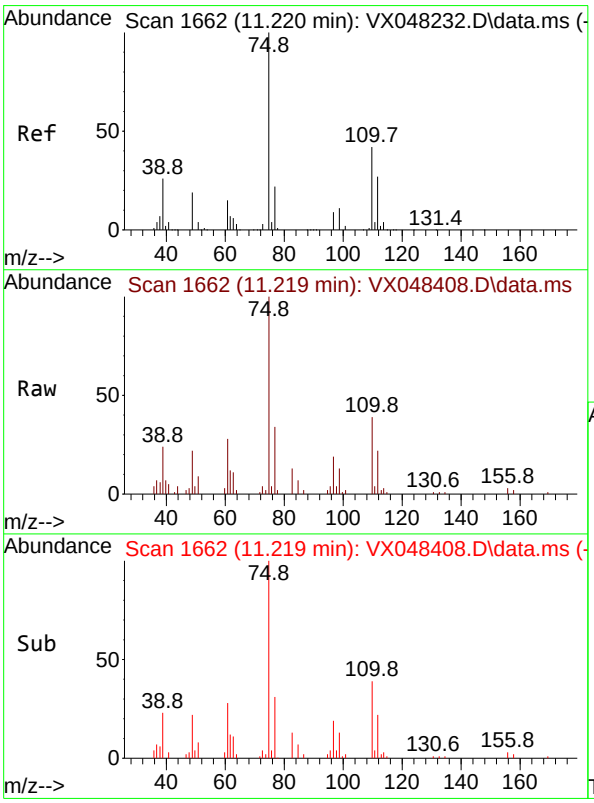
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	66.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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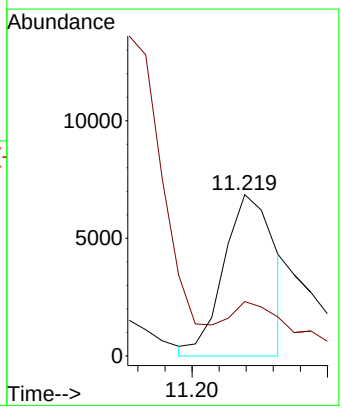
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

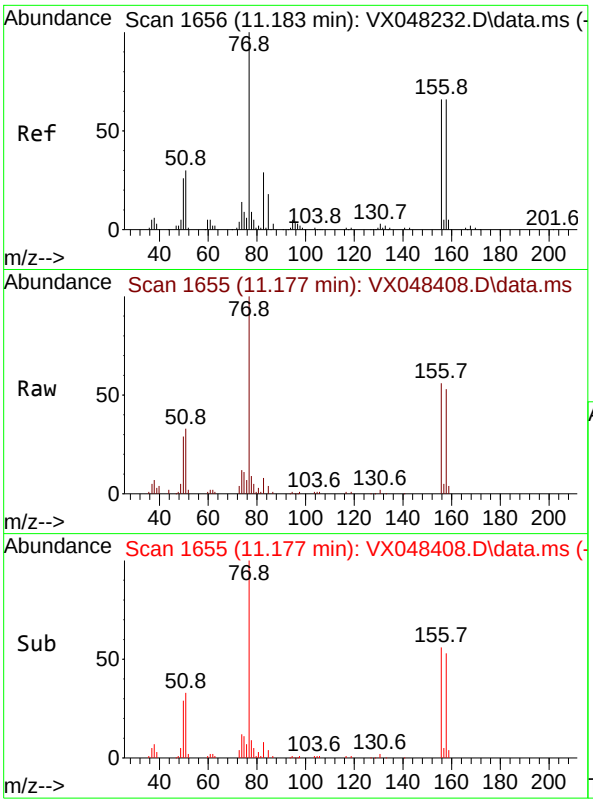


#76
1,2,3-Trichloropropane
Concen: 4.500 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 75 Resp: 8901

Ion	Ratio	Lower	Upper
75	100		
77	44.2	22.4	67.2

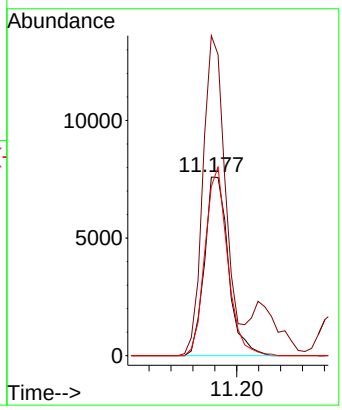




#77
Bromobenzene
Concen: 4.945 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:156 Resp: 1145

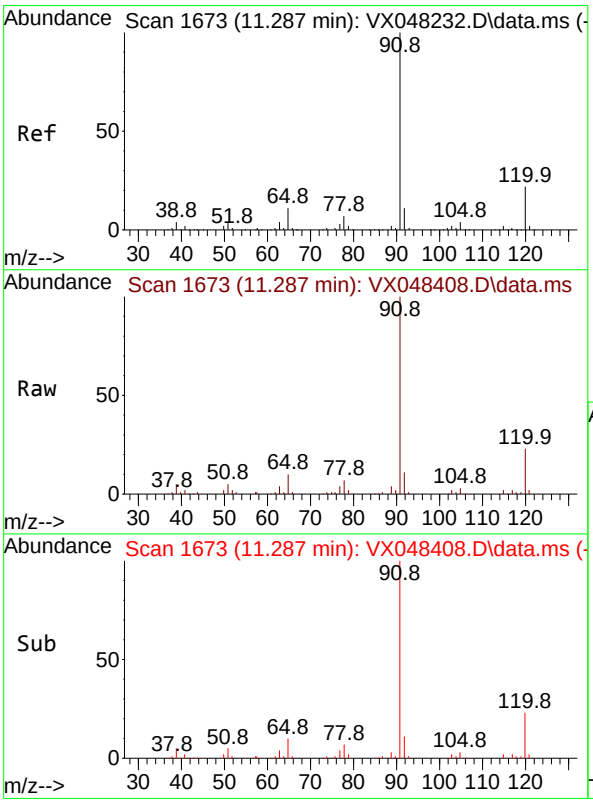
Ion	Ratio	Lower	Upper
156	100		
77	170.8	87.0	261.0
158	100.2	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

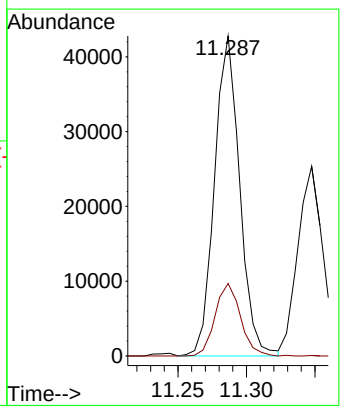
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

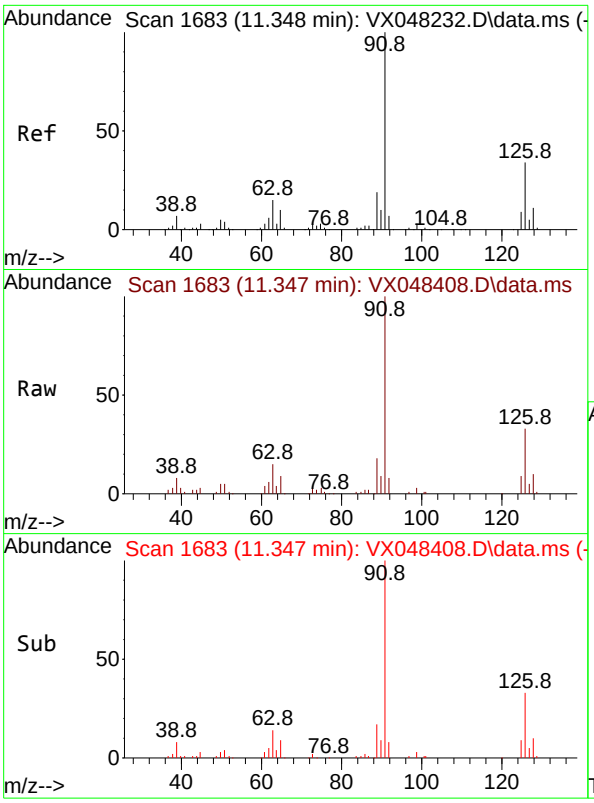


#78
n-propylbenzene
Concen: 4.927 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 91 Resp: 54619

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.1	33.1

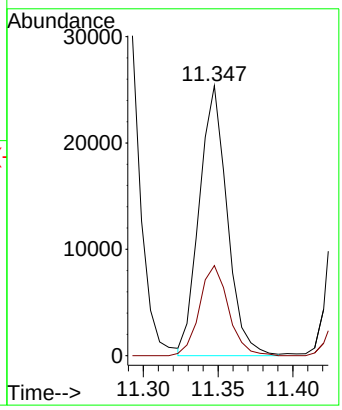




#79
2-Chlorotoluene
Concen: 4.949 ug/l
RT: 11.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 91 Resp: 3294

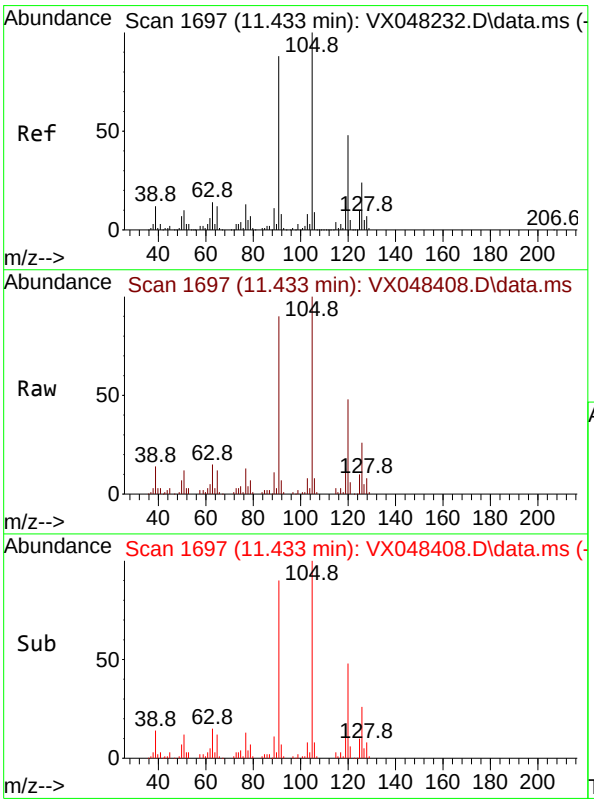
Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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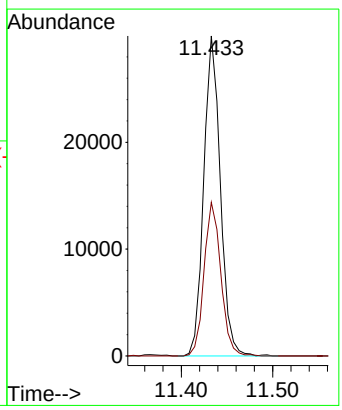
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

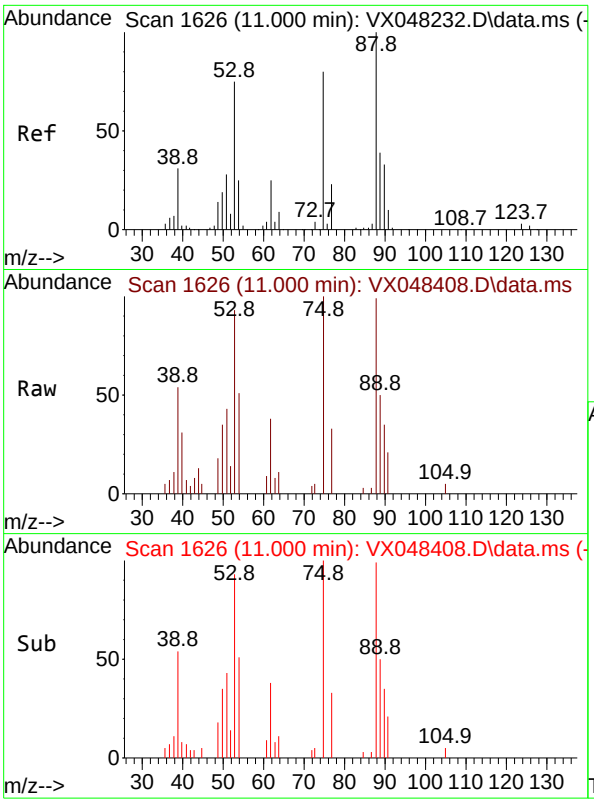


#80
1,3,5-Trimethylbenzene
Concen: 4.904 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:105 Resp: 37702

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 4.592 ug/l
RT: 11.000 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

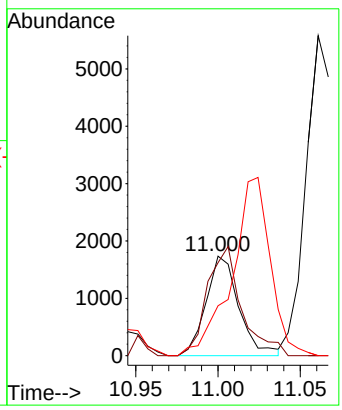
Tgt Ion: 75 Resp: 242(

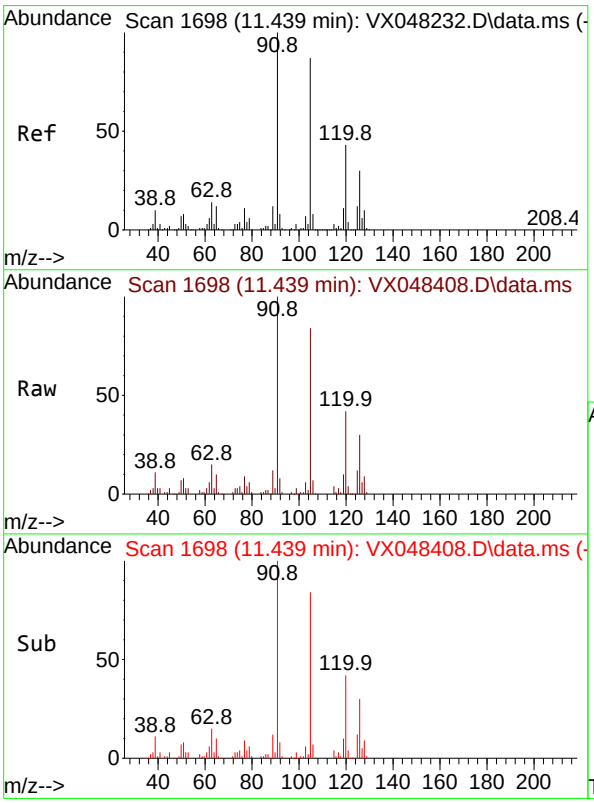
Ion	Ratio	Lower	Upper
75	100		
53	114.5	79.5	119.3
89	0.0	36.8	55.2#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

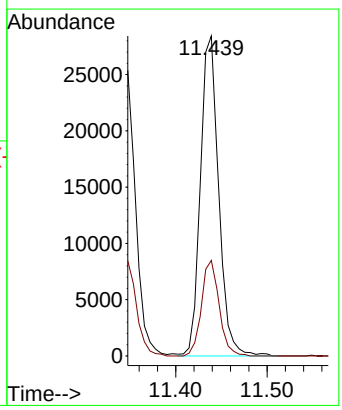


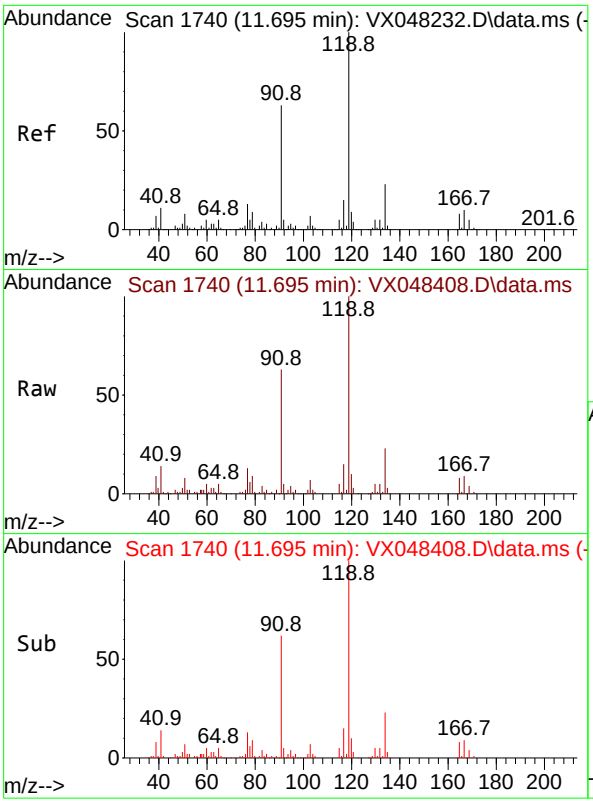


#82
4-Chlorotoluene
Concen: 5.032 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 91 Resp: 39376

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.1	42.4

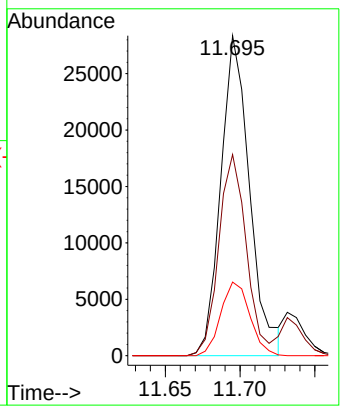




#83
tert-Butylbenzene
Concen: 4.862 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:119 Resp: 3805

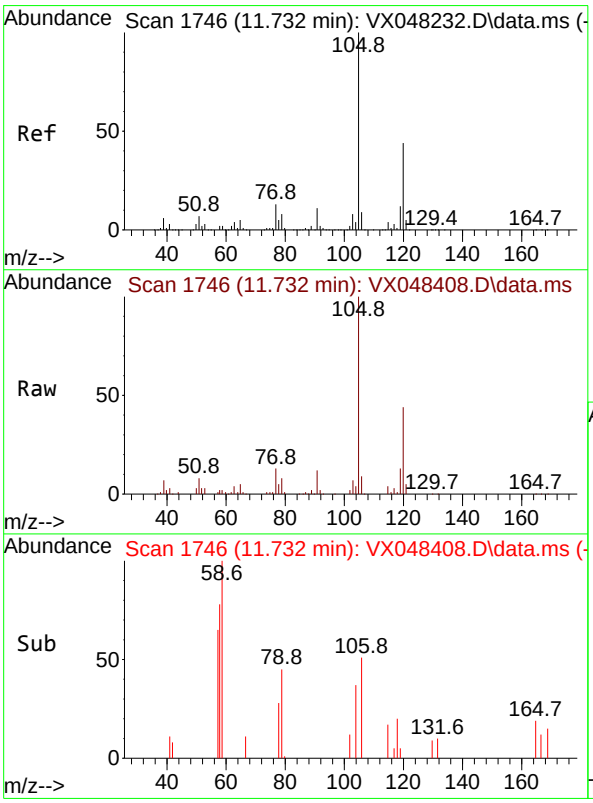
Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.3	91.0
134	23.2	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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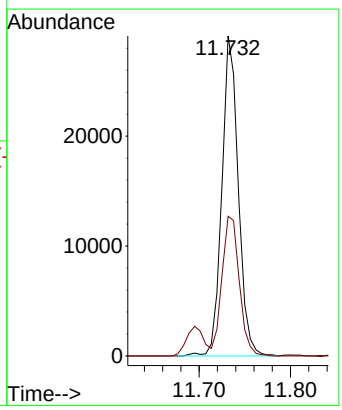
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

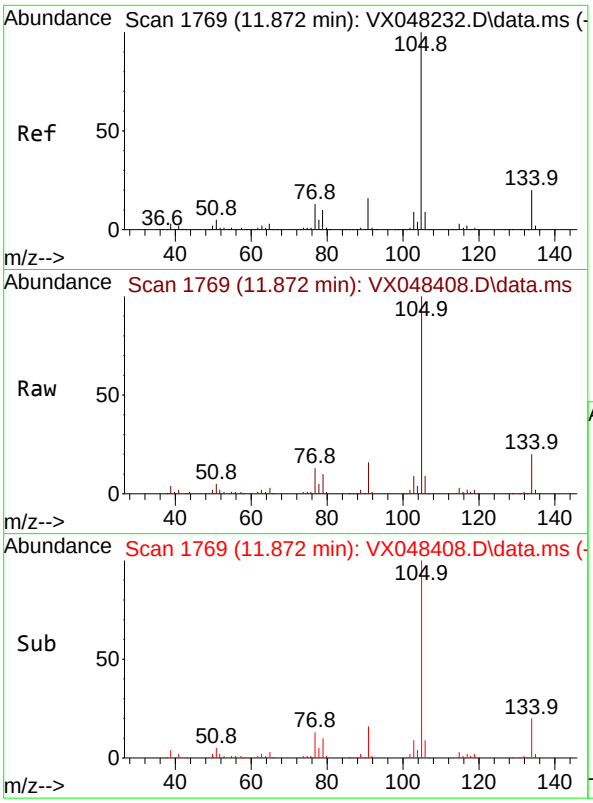


#84
1,2,4-Trimethylbenzene
Concen: 4.789 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:105 Resp: 36460

Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.1	66.5





#85
sec-Butylbenzene
Concen: 5.001 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

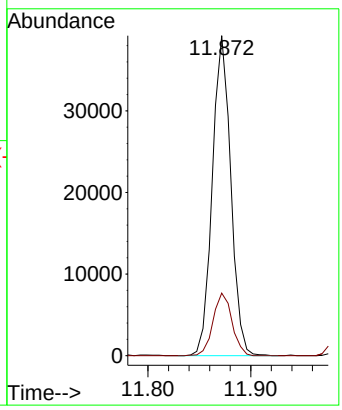
Tgt Ion:105 Resp: 4878

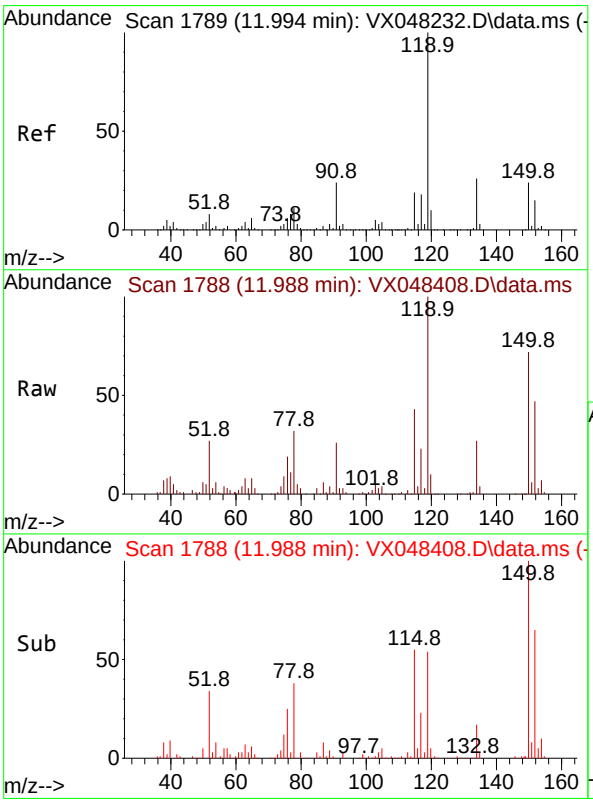
Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

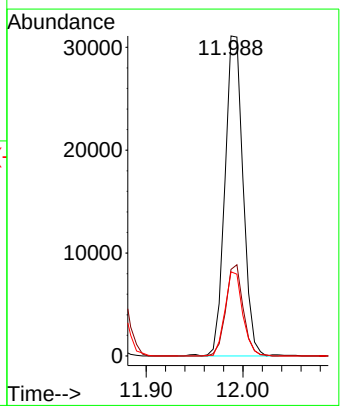


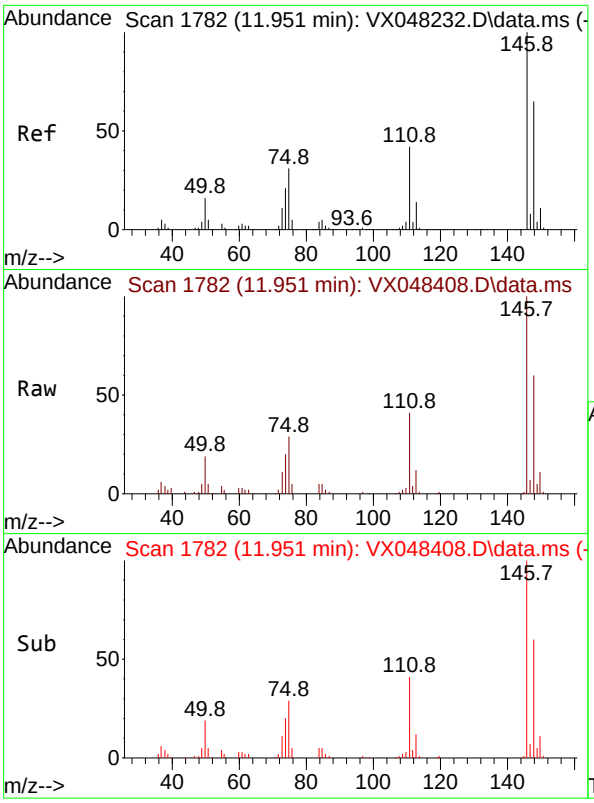


#86
p-Isopropyltoluene
Concen: 4.918 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:119 Resp: 40550

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.0	39.0
91	25.7	12.1	36.3

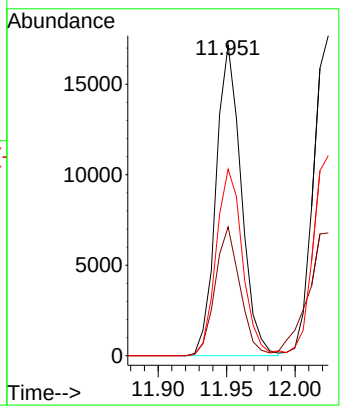




#87
1,3-Dichlorobenzene
Concen: 4.967 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:146 Resp: 2197

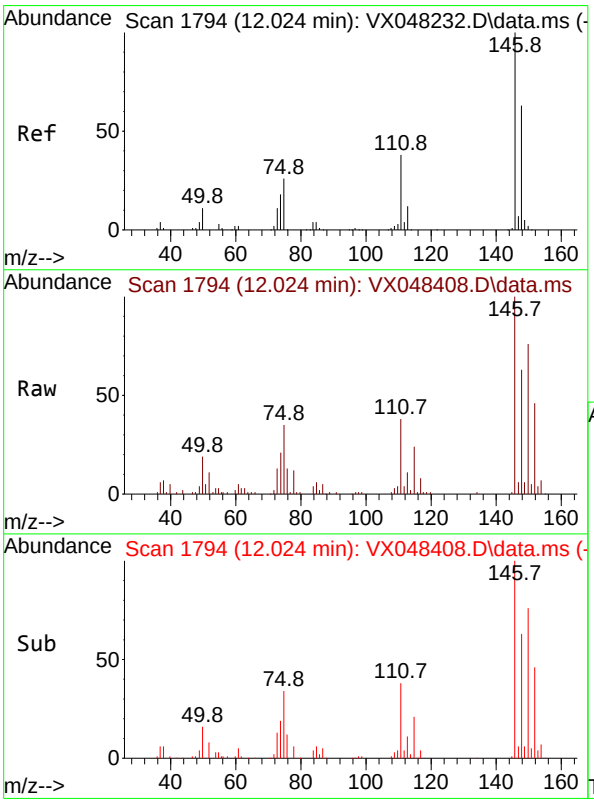
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.2
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

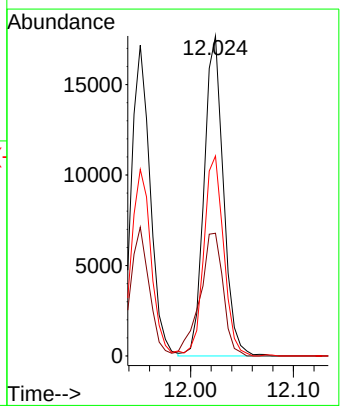
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

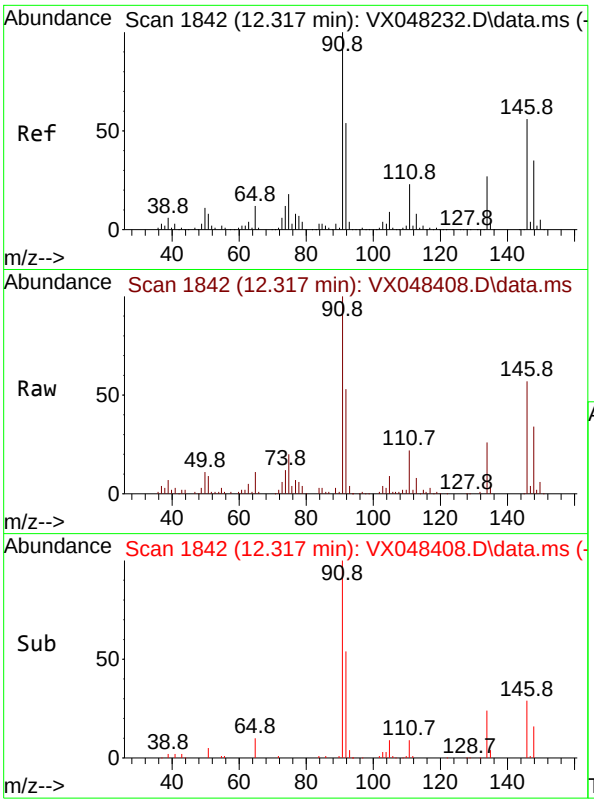


#88
1,4-Dichlorobenzene
Concen: 5.134 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:146 Resp: 23136

Ion	Ratio	Lower	Upper
146	100		
111	46.0	20.1	60.2
148	63.8	31.8	95.3

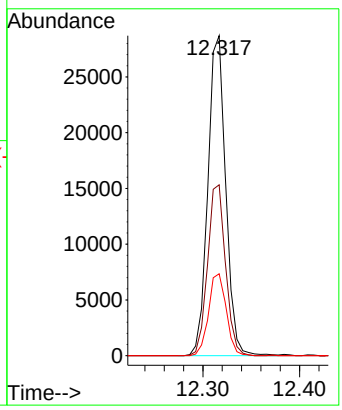




#89
n-Butylbenzene
Concen: 4.755 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 91 Resp: 3681

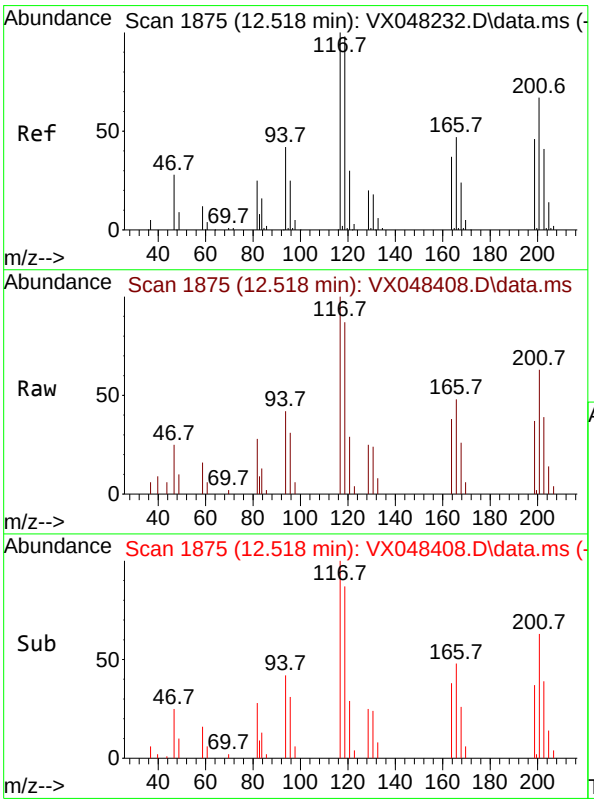
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.6
134	25.4	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

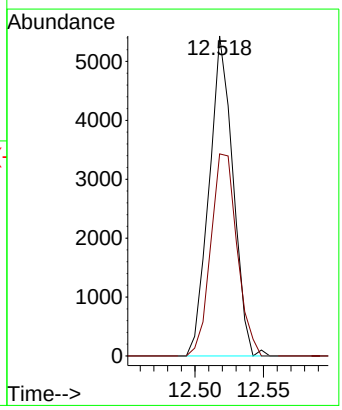
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

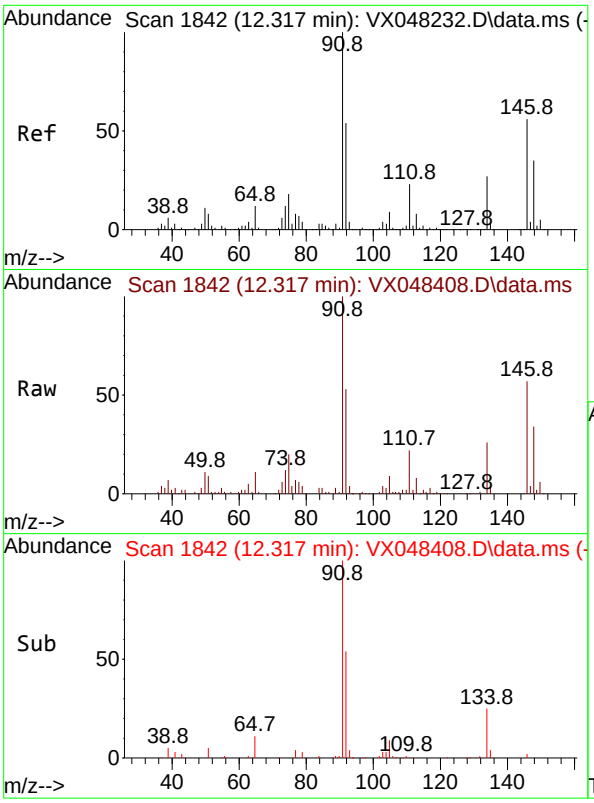


#90
Hexachloroethane
Concen: 4.535 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:117 Resp: 6571

Ion	Ratio	Lower	Upper
117	100		
201	69.6	34.1	102.2

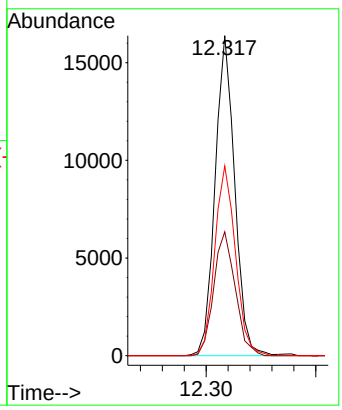




#91
1,2-Dichlorobenzene
Concen: 4.977 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:146 Resp: 2041

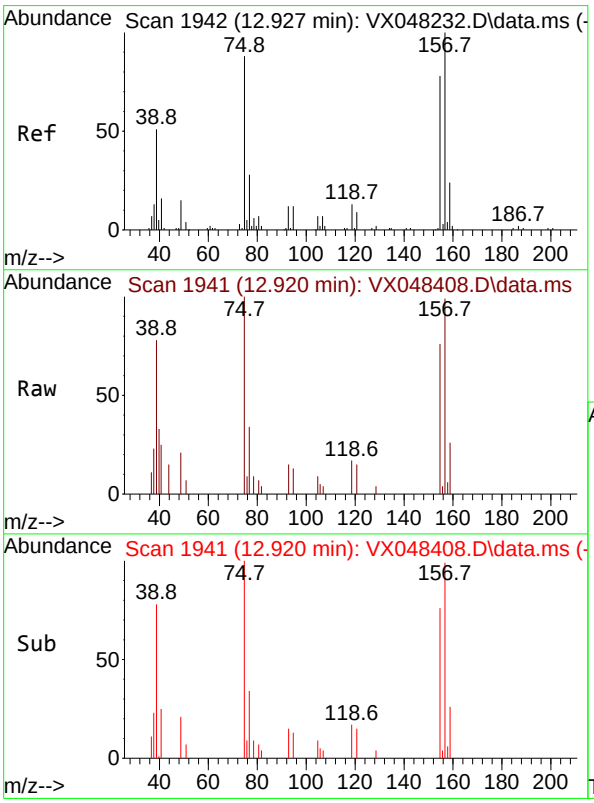
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.9	65.5
148	62.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

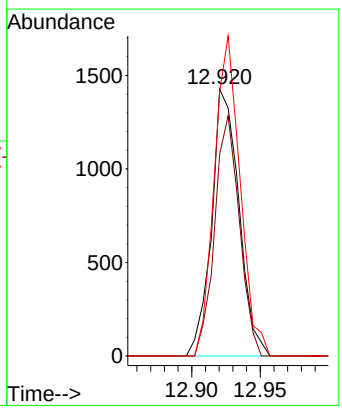
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

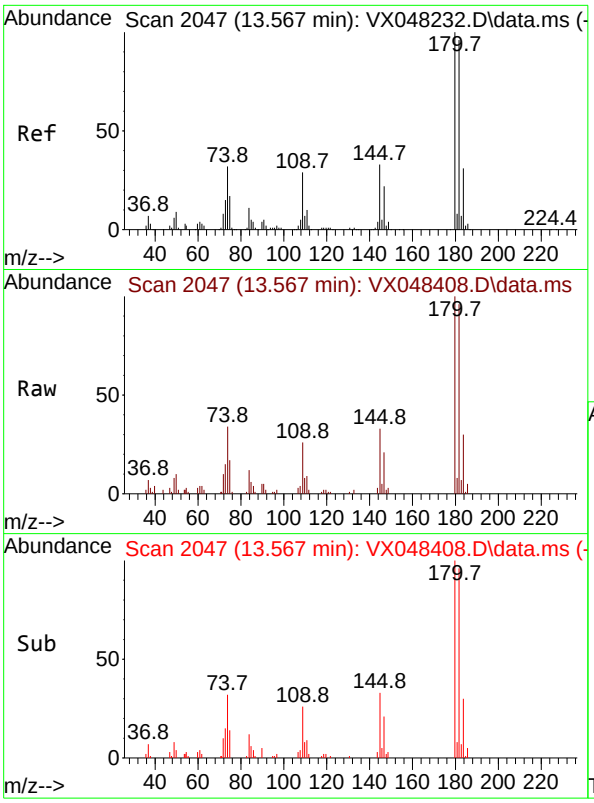


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.250 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion: 75 Resp: 1977

Ion	Ratio	Lower	Upper
75	100		
155	81.4	42.8	128.4
157	113.1	54.2	162.6

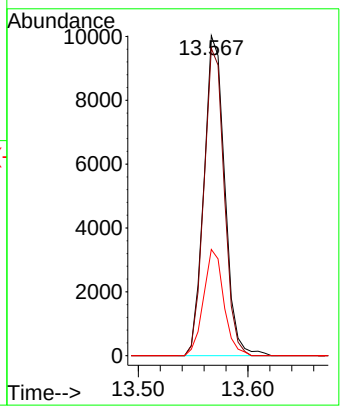




#93
1,2,4-Trichlorobenzene
Concen: 4.660 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:180 Resp: 1318

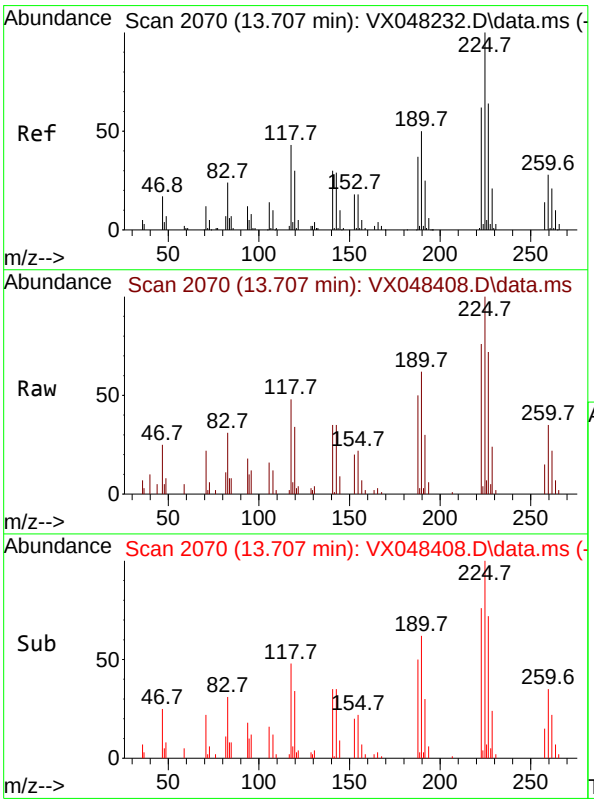
Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	142.0
145	32.4	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

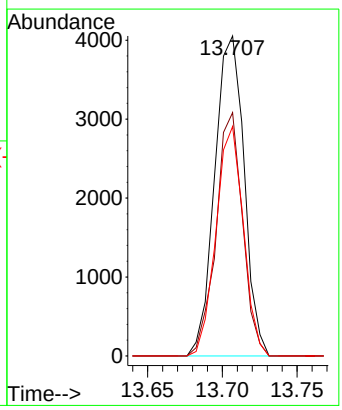
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

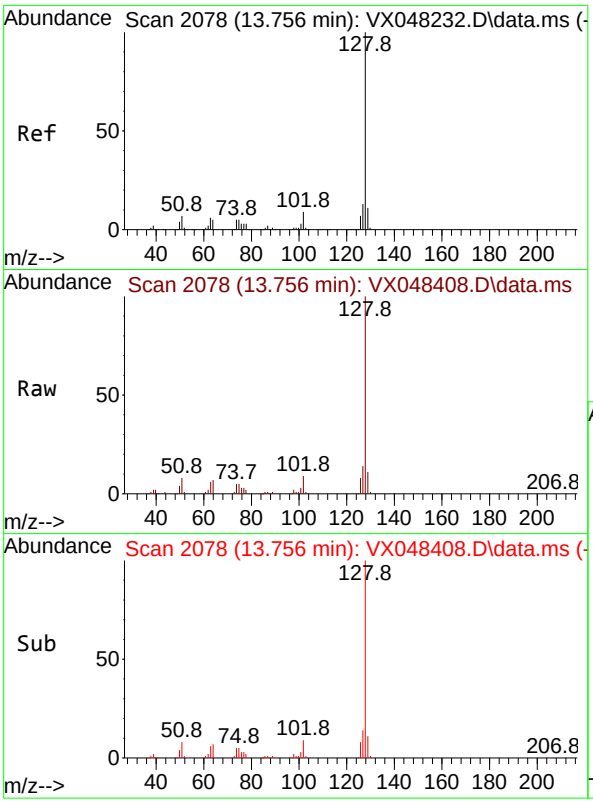


#94
Hexachlorobutadiene
Concen: 4.669 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:225 Resp: 5541

Ion	Ratio	Lower	Upper
225	100		
223	68.6	32.6	97.7
227	66.6	32.5	97.4

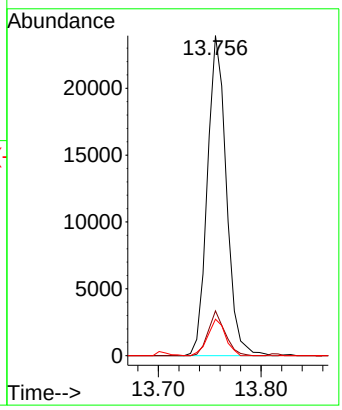




#95
Naphthalene
Concen: 4.293 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:128 Resp: 3067

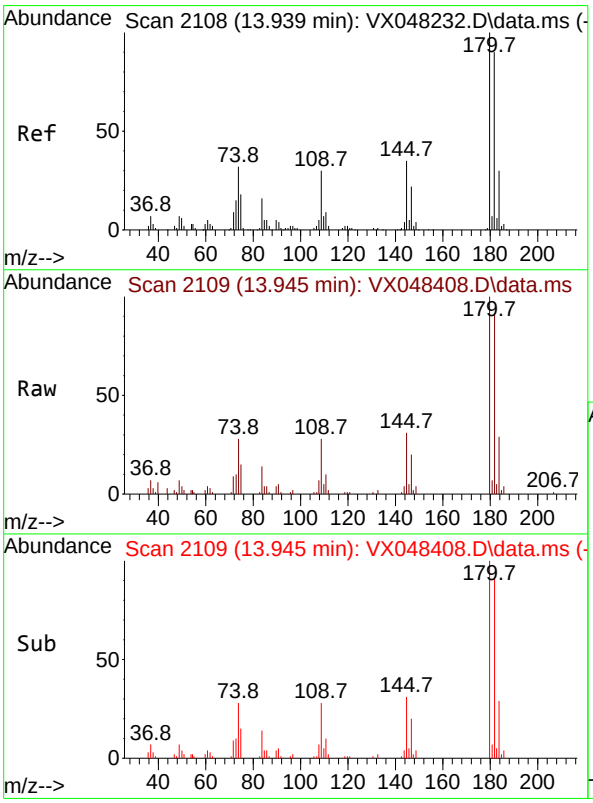
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

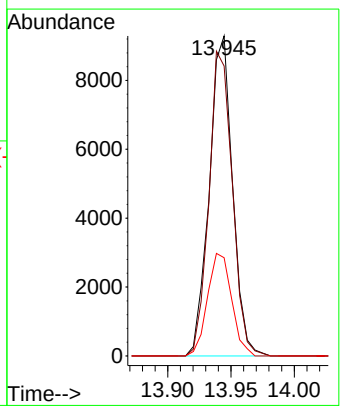
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.622 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048408.D
Acq: 29 Oct 2025 11:41

Tgt Ion:180 Resp: 11880

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.6	139.7
145	33.2	16.9	50.7



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048409.D
Acq On : 29 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	155635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	265505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	239952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	42907	19.170	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 38.340%#			
35) Dibromofluoromethane	5.373	113	27594	18.229	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 36.460%#			
50) Toluene-d8	8.635	98	126497	18.931	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 37.860%#			
62) 4-Bromofluorobenzene	11.061	95	46359	18.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 37.100%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	29696	18.705	ug/l	99
3) Chloromethane	1.301	50	17139	19.135	ug/l	92
4) Vinyl Chloride	1.380	62	39944	19.306	ug/l	100
5) Bromomethane	1.618	94	16011	21.422	ug/l	98
6) Chloroethane	1.697	64	23758	19.308	ug/l	93
7) Trichlorofluoromethane	1.898	101	61068	19.260	ug/l	98
8) Diethyl Ether	2.136	74	22891	19.976	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	34020	19.075	ug/l	97
10) Methyl Iodide	2.459	142	132951	18.539	ug/l	99
11) Tert butyl alcohol	2.940	59	16744	97.643	ug/l	98
12) 1,1-Dichloroethene	2.325	96	34822	19.222	ug/l	92
13) Acrolein	2.233	56	34708	96.966	ug/l	99
14) Allyl chloride	2.666	41	58890	19.196	ug/l	99
15) Acrylonitrile	3.056	53	74971	96.103	ug/l	100
16) Acetone	2.373	43	48676	95.953	ug/l	90
17) Carbon Disulfide	2.520	76	101385	19.519	ug/l	99
18) Methyl Acetate	2.697	43	30394	17.914	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	112995	19.478	ug/l	99
20) Methylene Chloride	2.788	84	38558	19.718	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	37969	19.733	ug/l	93
22) Diisopropyl ether	3.751	45	125099	19.923	ug/l	97
23) Vinyl Acetate	3.715	43	453379	106.067	ug/l	100
24) 1,1-Dichloroethane	3.605	63	70156	19.687	ug/l	99
25) 2-Butanone	4.538	43	81242	100.249	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58181	18.962	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	44153	19.227	ug/l	99
28) Bromochloromethane	4.891	49	34639	21.448	ug/l	96
29) Tetrahydrofuran	4.989	42	55207	95.658	ug/l	99
30) Chloroform	5.086	83	72660	19.821	ug/l	99
31) Cyclohexane	5.464	56	60266	19.483	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	63038	19.479	ug/l	99
36) 1,1-Dichloropropene	5.684	75	51050	20.082	ug/l	98
37) Ethyl Acetate	4.702	43	42038	19.410	ug/l	99
38) Carbon Tetrachloride	5.666	117	56042	19.094	ug/l	97
39) Methylcyclohexane	7.366	83	60050	18.370	ug/l	98
40) Benzene	6.031	78	154747	19.926	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048409.D
Acq On : 29 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	21765	19.952	ug/l		99
42) 1,2-Dichloroethane	6.074	62	55126	20.153	ug/l		99
43) Isopropyl Acetate	6.324	43	70480	19.711	ug/l		97
44) Trichloroethene	7.110	130	39126	19.230	ug/l		96
45) 1,2-Dichloropropane	7.415	63	38163	19.677	ug/l		98
46) Dibromomethane	7.568	93	26809	19.745	ug/l		97
47) Bromodichloromethane	7.805	83	56897	19.723	ug/l		100
48) Methyl methacrylate	7.677	41	34546	19.812	ug/l		99
49) 1,4-Dioxane	7.641	88	8028	405.056	ug/l		96
51) 4-Methyl-2-Pentanone	8.555	43	198117	99.558	ug/l		98
52) Toluene	8.702	92	95778	19.737	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	54135	20.704	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	59288	21.045	ug/l		93
55) 1,1,2-Trichloroethane	9.134	97	35297	20.100	ug/l		96
56) Ethyl methacrylate	9.104	69	50195	19.521	ug/l		98
57) 1,3-Dichloropropane	9.293	76	60087	19.734	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	147643	102.113	ug/l		98
59) 2-Hexanone	9.415	43	131938	101.896	ug/l		99
60) Dibromochloromethane	9.506	129	42810	19.711	ug/l		99
61) 1,2-Dibromoethane	9.592	107	35900	19.761	ug/l		98
64) Tetrachloroethene	9.256	164	36898	19.095	ug/l		98
65) Chlorobenzene	10.061	112	107348	19.419	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	37061	19.709	ug/l		98
67) Ethyl Benzene	10.177	91	181239	19.472	ug/l		100
68) m/p-Xylenes	10.287	106	137786	39.097	ug/l		98
69) o-Xylene	10.628	106	65886	19.564	ug/l		96
70) Styrene	10.640	104	113244	19.850	ug/l		99
71) Bromoform	10.781	173	25652	18.858	ug/l	#	99
73) Isopropylbenzene	10.945	105	172017	19.426	ug/l		100
74) N-amyl acetate	10.823	43	61330	19.415	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	43767	19.513	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	33917m	18.164	ug/l		
77) Bromobenzene	11.183	156	42441	19.402	ug/l		97
78) n-propylbenzene	11.287	91	204115	19.503	ug/l		98
79) 2-Chlorotoluene	11.347	91	121563	19.346	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	141180	19.449	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.000	75	9353	18.799	ug/l	#	61
82) 4-Chlorotoluene	11.439	91	144766	19.597	ug/l		98
83) tert-Butylbenzene	11.695	119	141031	19.084	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	142497	19.826	ug/l		99
85) sec-Butylbenzene	11.872	105	178477	19.383	ug/l		100
86) p-Isopropyltoluene	11.988	119	150606	19.347	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	79513	19.034	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	79800	18.755	ug/l		98
89) n-Butylbenzene	12.317	91	138220	18.912	ug/l		100
90) Hexachloroethane	12.518	117	25696	18.786	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	74930	19.356	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	8210	18.693	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	50064	18.742	ug/l		98
94) Hexachlorobutadiene	13.707	225	20853	18.610	ug/l		97
95) Naphthalene	13.756	128	126677	18.777	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	45847	18.895	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048409.D
Acq On : 29 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

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

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

ICAL Form

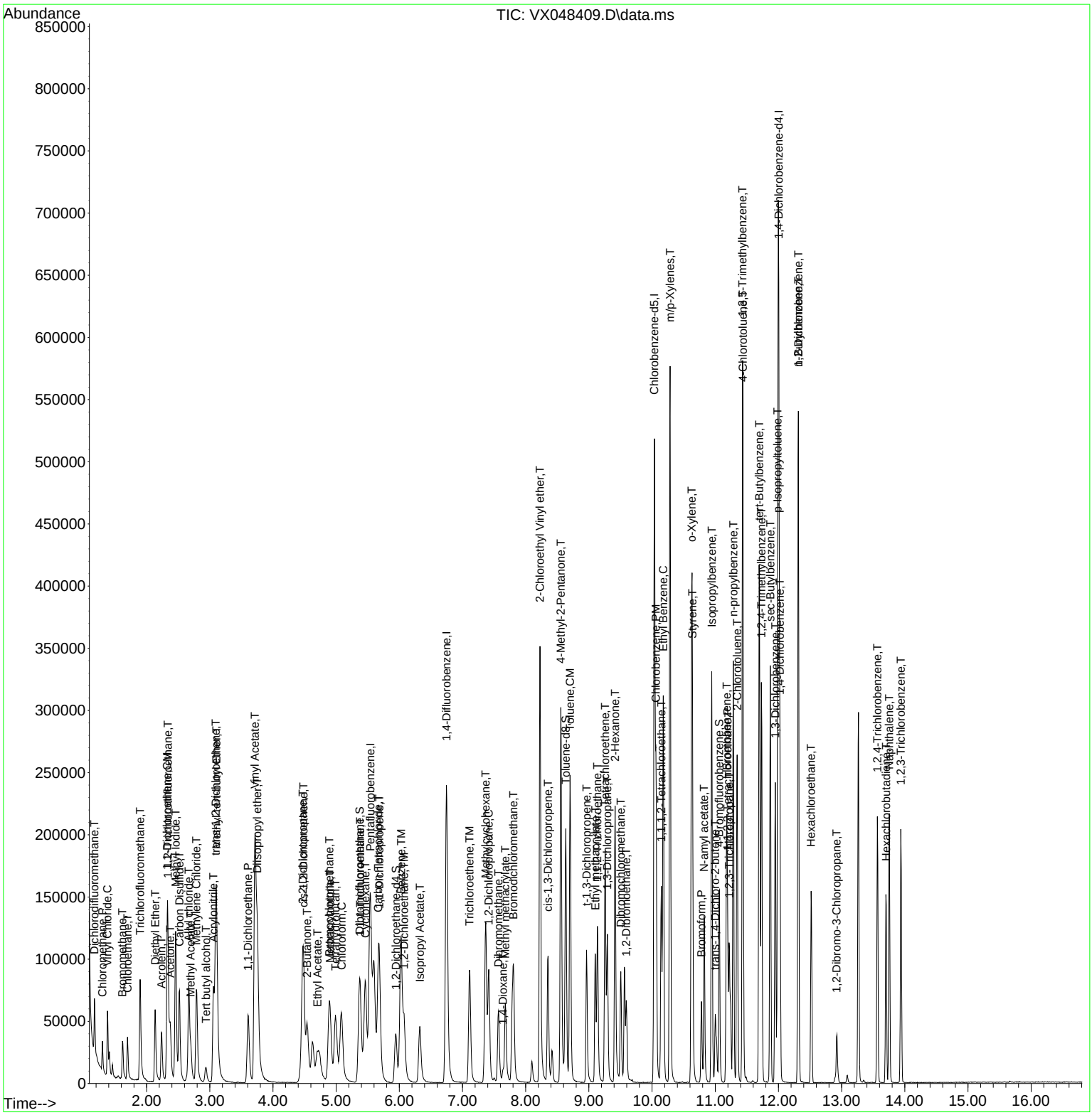
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048409.D
Acq On : 29 Oct 2025 12:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

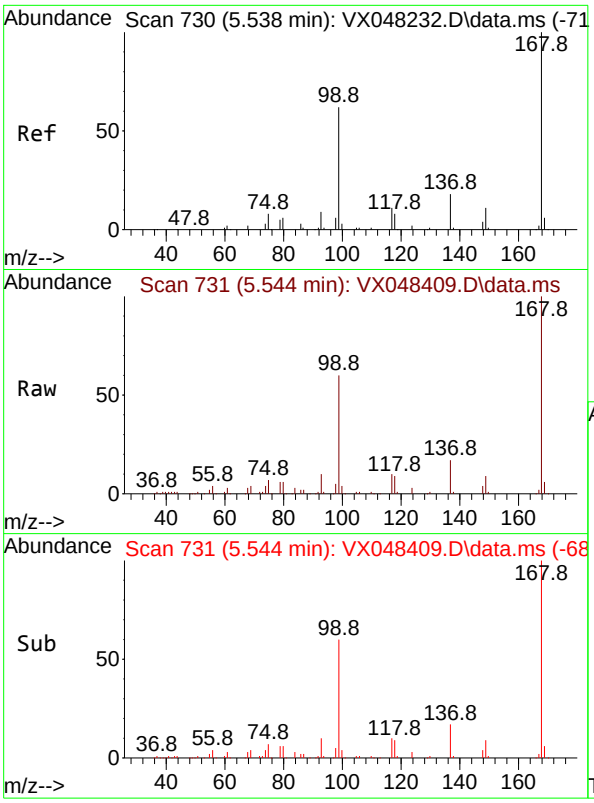
Quant Time: Oct 30 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

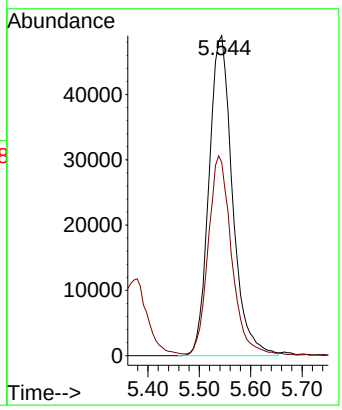




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:168 Resp: 15563

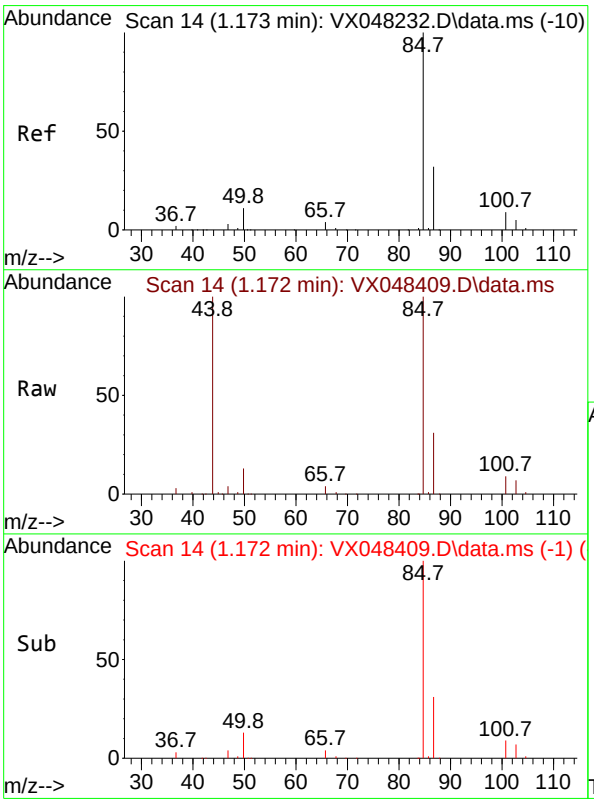
Ion	Ratio	Lower	Upper
168	100		
99	59.6	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

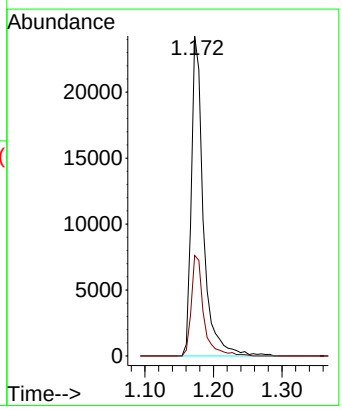
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

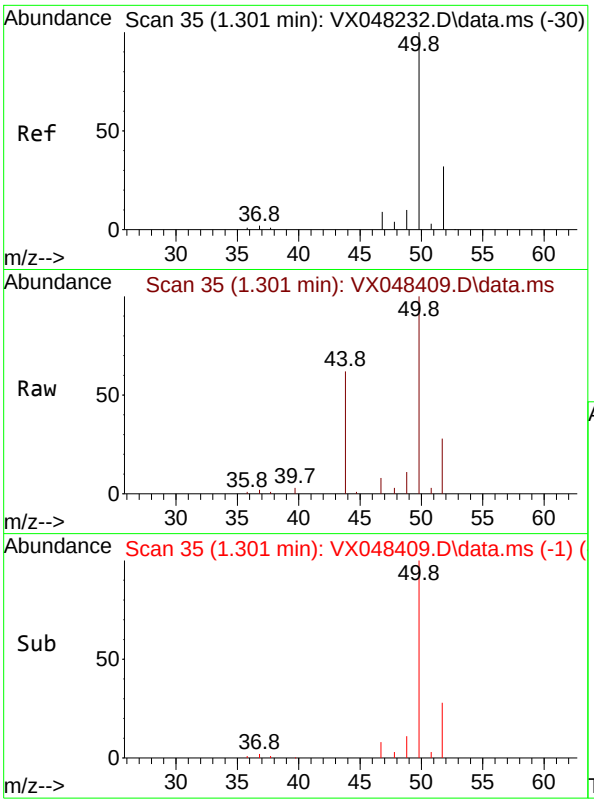


#2
Dichlorodifluoromethane
Concen: 18.705 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 85 Resp: 29696

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.3	45.9

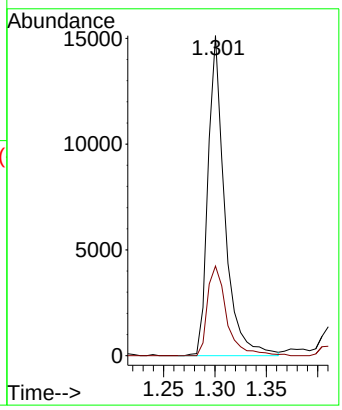




#3
Chloromethane
Concen: 19.135 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 50 Resp: 1713

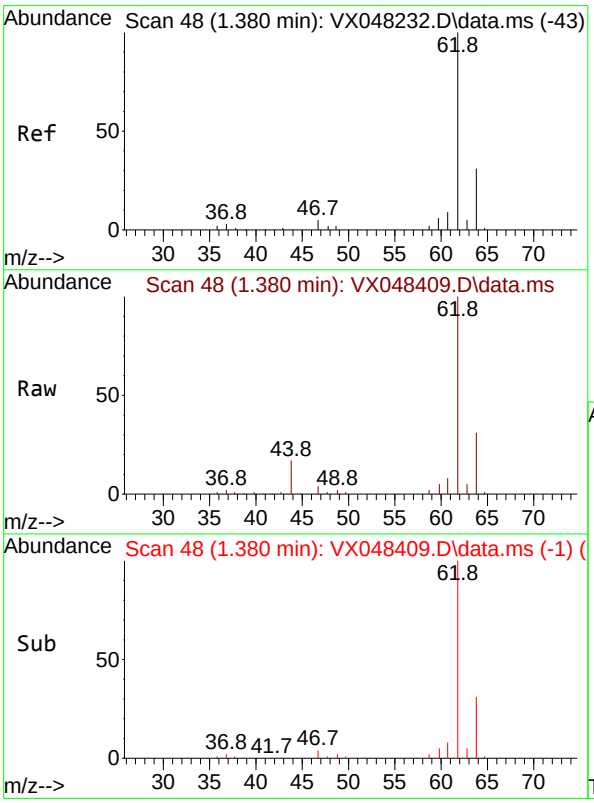
Ion	Ratio	Lower	Upper
50	100		
52	28.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

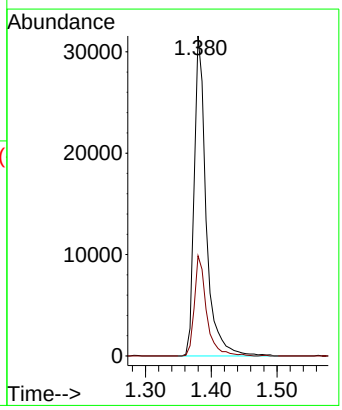
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

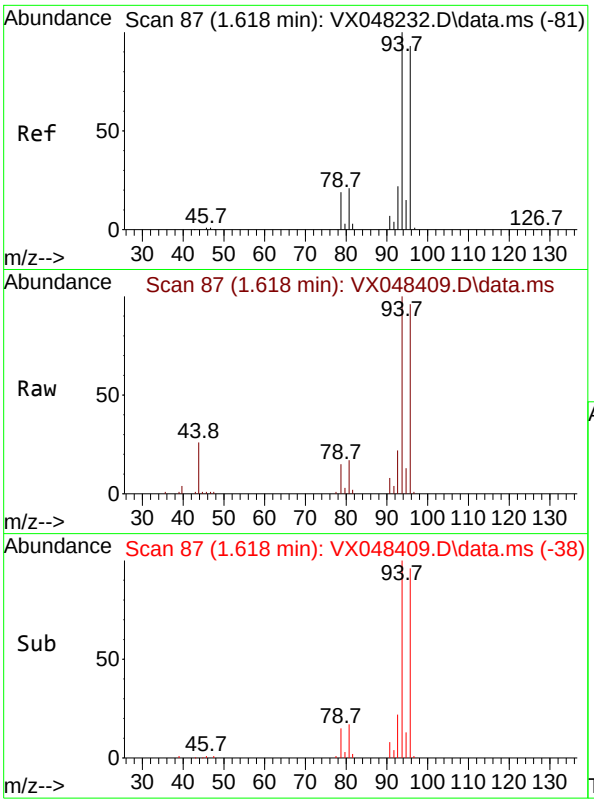


#4
Vinyl Chloride
Concen: 19.306 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 62 Resp: 39944

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.1	37.7

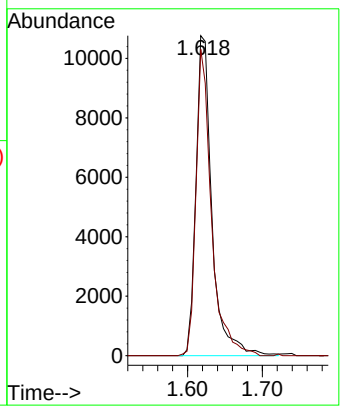




#5
Bromomethane
Concen: 21.422 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 94 Resp: 1601

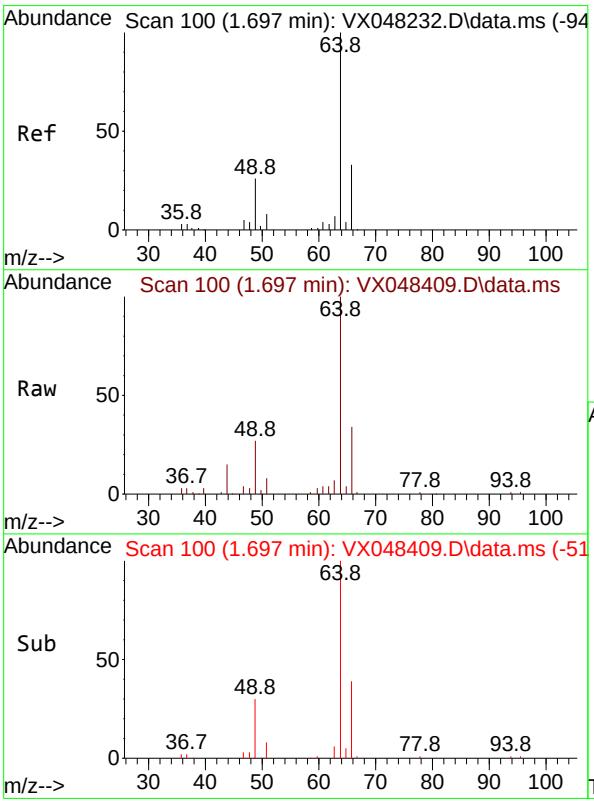
Ion	Ratio	Lower	Upper
94	100		
96	97.1	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

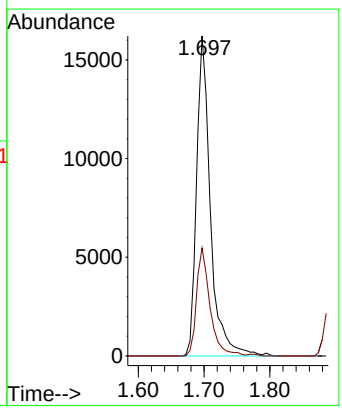
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

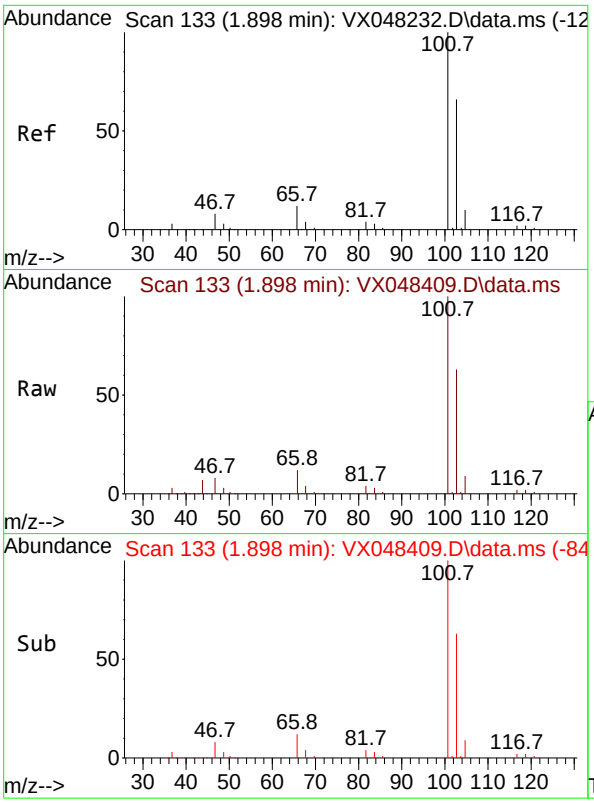


#6
Chloroethane
Concen: 19.308 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 64 Resp: 23758

Ion	Ratio	Lower	Upper
64	100		
66	33.8	23.9	35.9

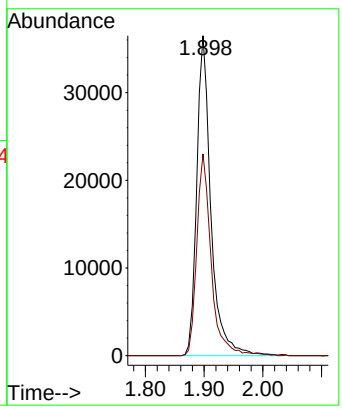




#7
Trichlorofluoromethane
Concen: 19.260 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:101 Resp: 6106

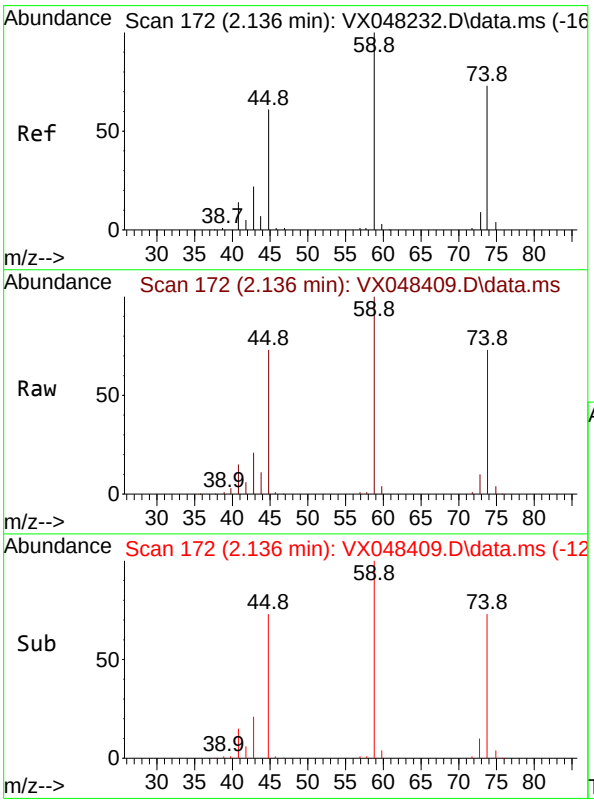
Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

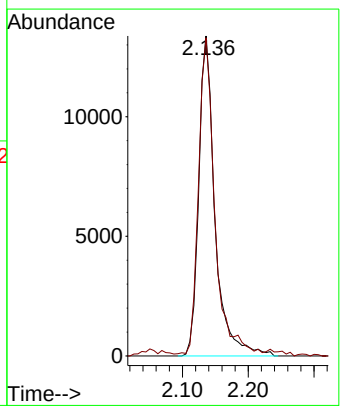
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

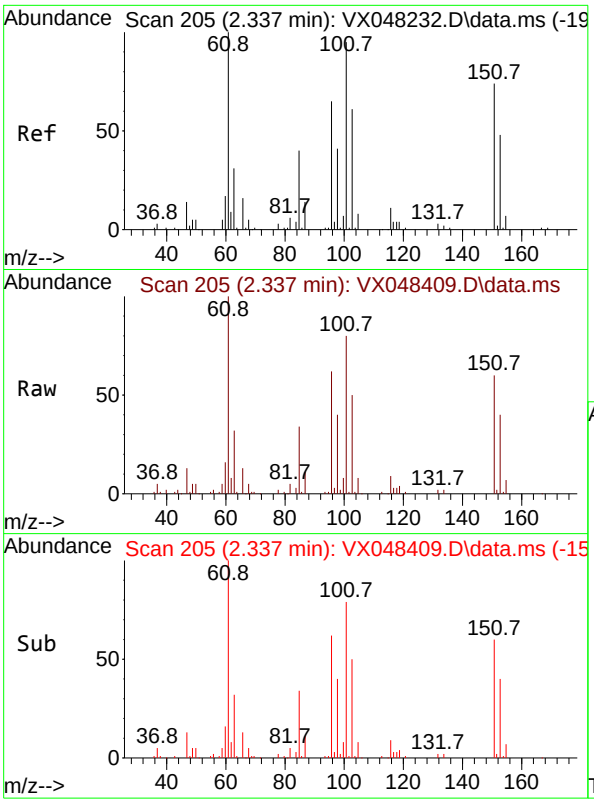


#8
Diethyl Ether
Concen: 19.976 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 74 Resp: 22891

Ion	Ratio	Lower	Upper
74	100		
45	101.0	50.0	149.8

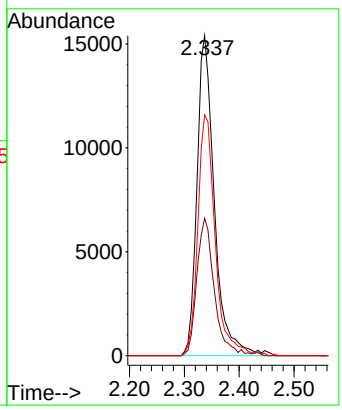




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.075 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:101 Resp: 3402

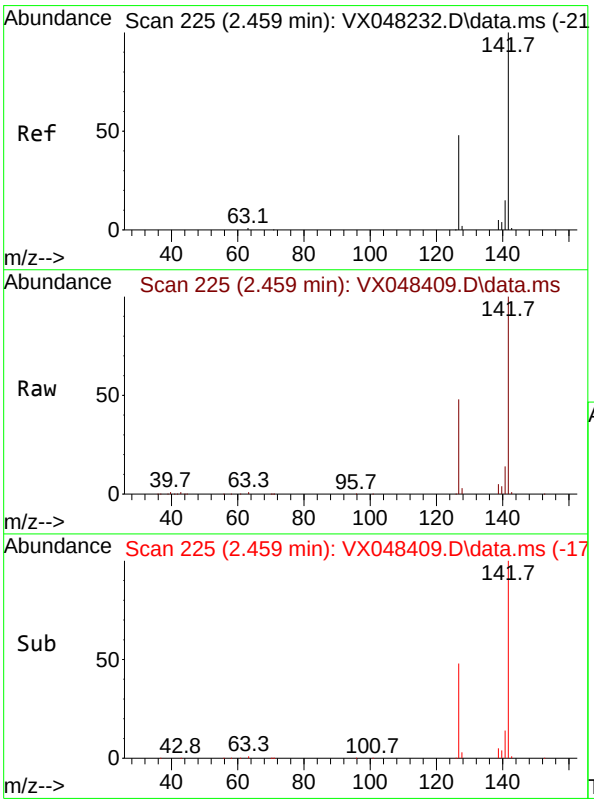
Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.6	53.4
151	75.5	58.0	87.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

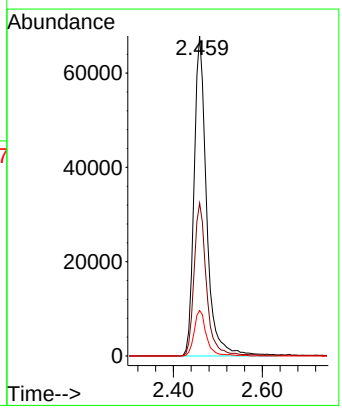
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

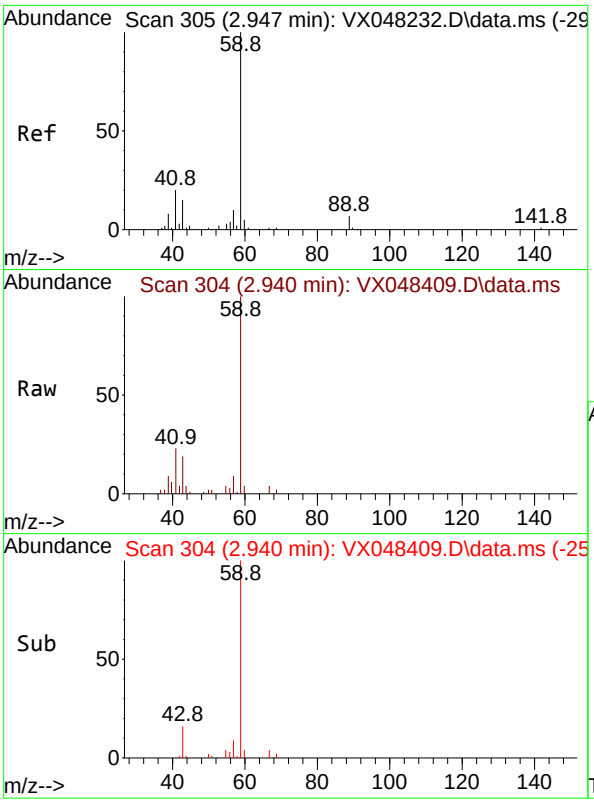


#10
Methyl Iodide
Concen: 18.539 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:142 Resp: 132951

Ion	Ratio	Lower	Upper
142	100		
127	47.5	38.5	57.7
141	13.8	11.6	17.4

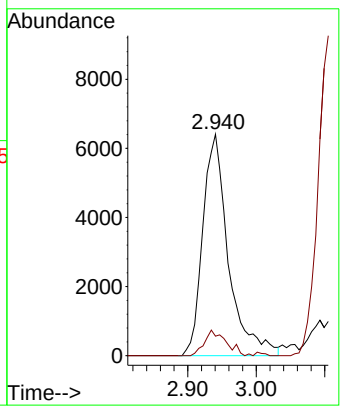




#11
Tert butyl alcohol
Concen: 97.643 ug/l
RT: 2.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 59 Resp: 1674

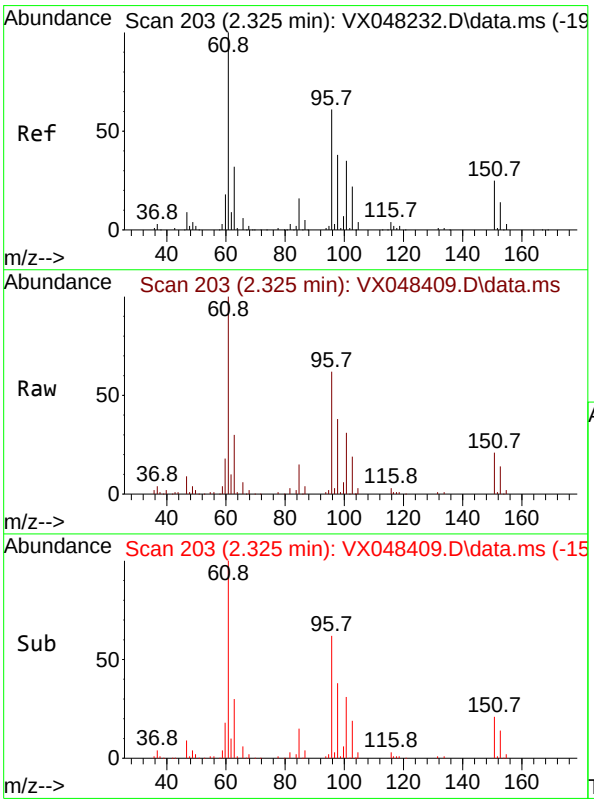
Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

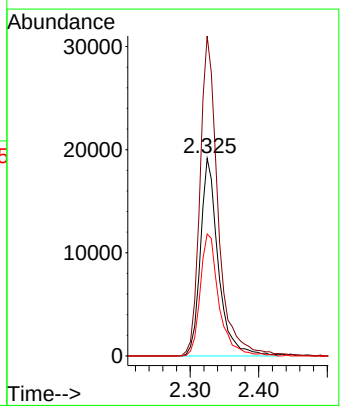
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

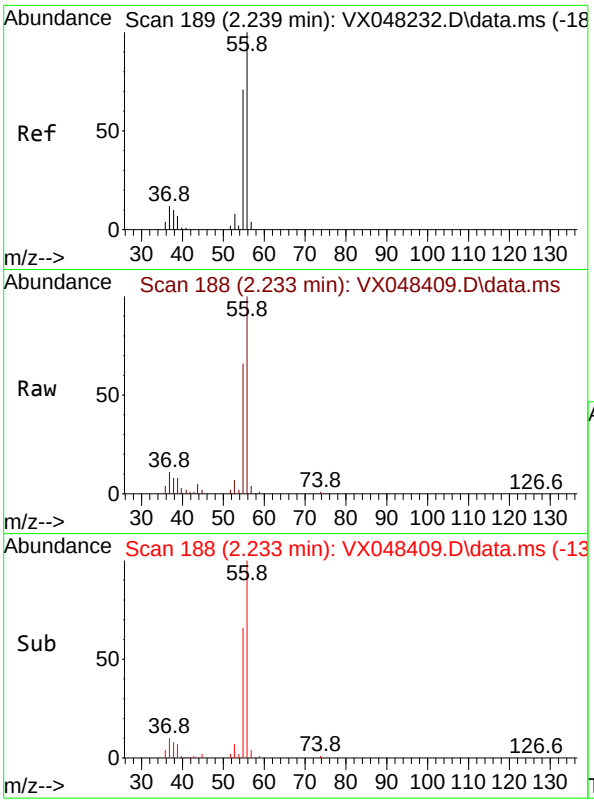


#12
1,1-Dichloroethene
Concen: 19.222 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 96 Resp: 34822

Ion	Ratio	Lower	Upper
96	100		
61	161.9	139.0	208.6
98	61.7	52.4	78.6

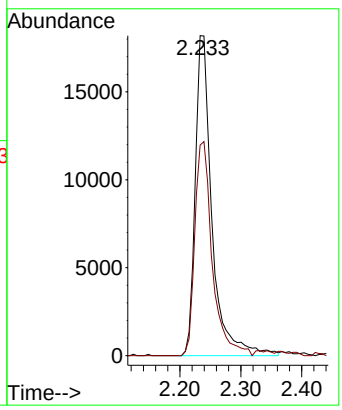




#13
Acrolein
Concen: 96.966 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 56 Resp: 3470

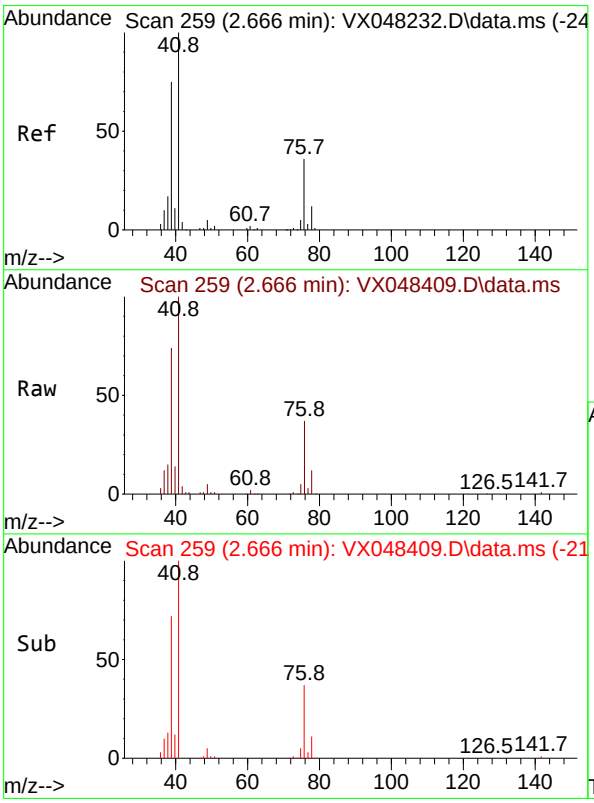
Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

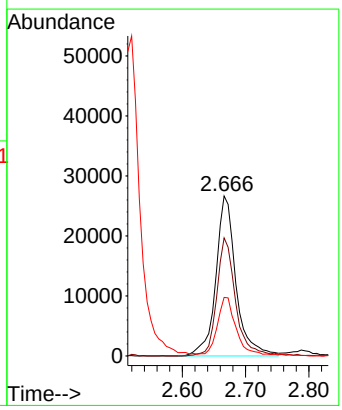
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

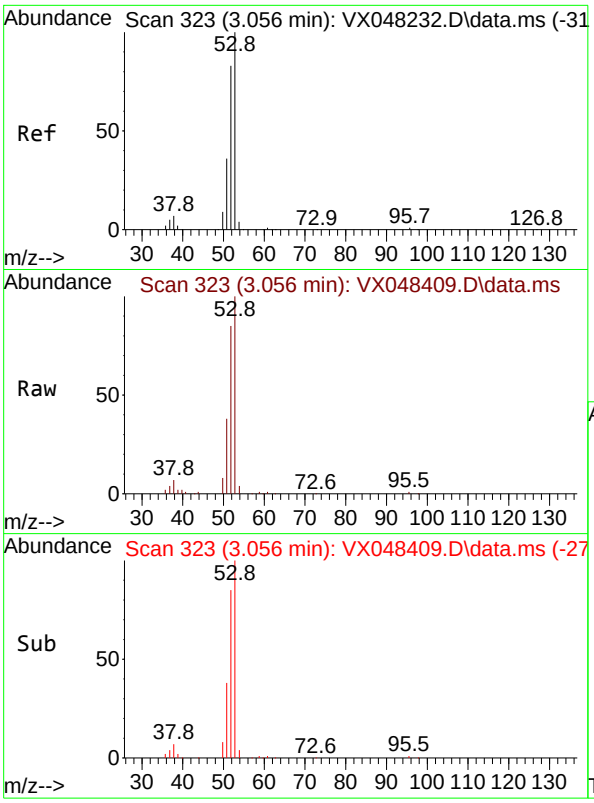


#14
Allyl chloride
Concen: 19.196 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 41 Resp: 58890

Ion	Ratio	Lower	Upper
41	100		
39	69.2	56.0	84.0
76	35.3	27.5	41.3

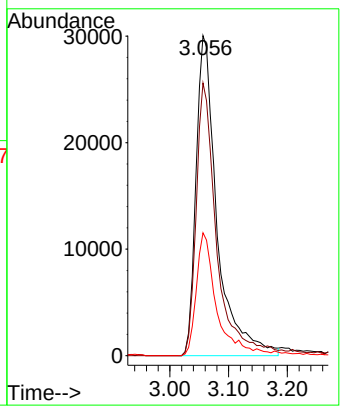




#15
Acrylonitrile
Concen: 96.103 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 53 Resp: 7497

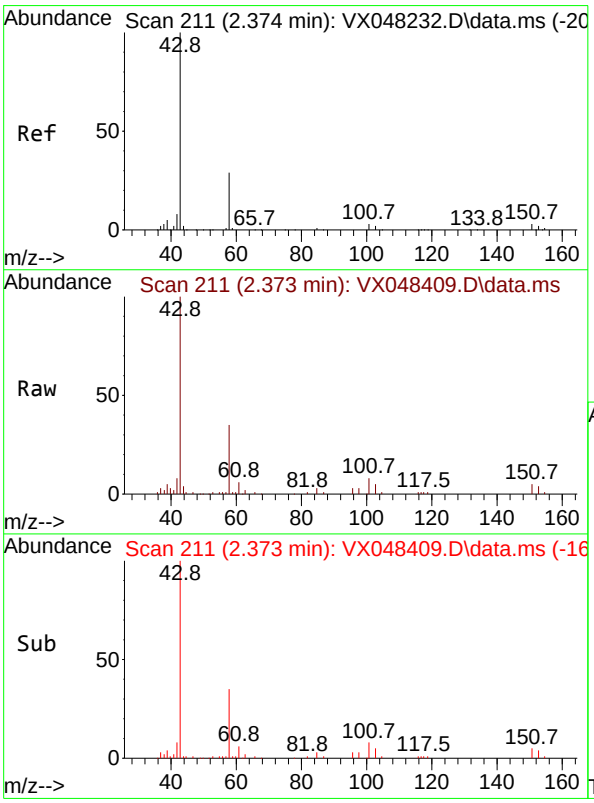
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

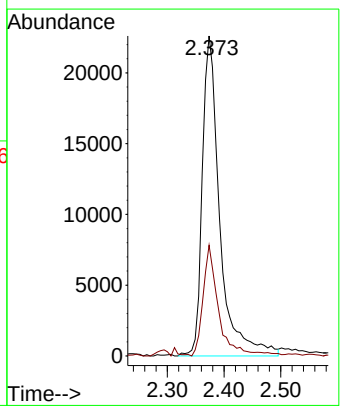
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

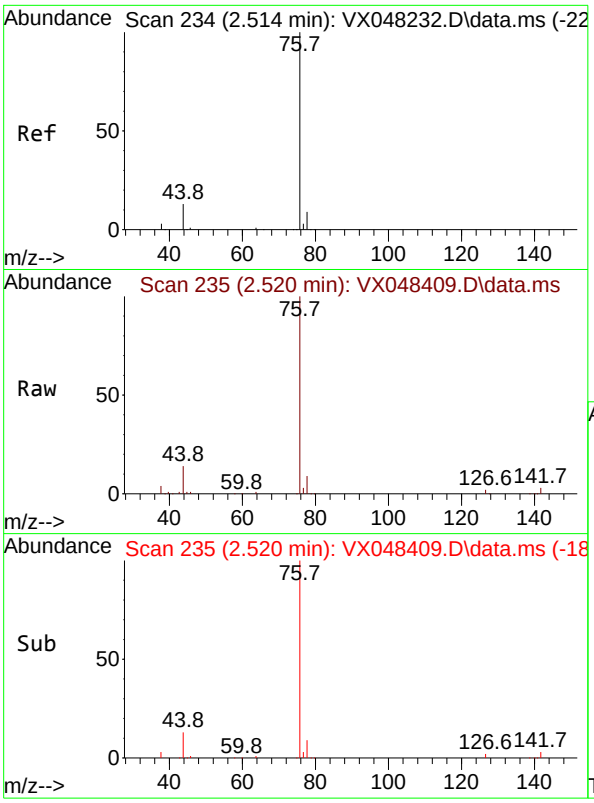


#16
Acetone
Concen: 95.953 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 43 Resp: 48676

Ion	Ratio	Lower	Upper
43	100		
58	34.5	23.4	35.2





#17
Carbon Disulfide
Concen: 19.519 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

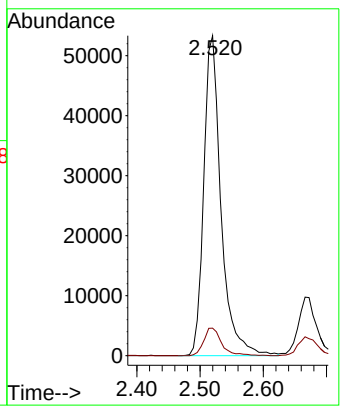
Tgt Ion: 76 Resp: 10138

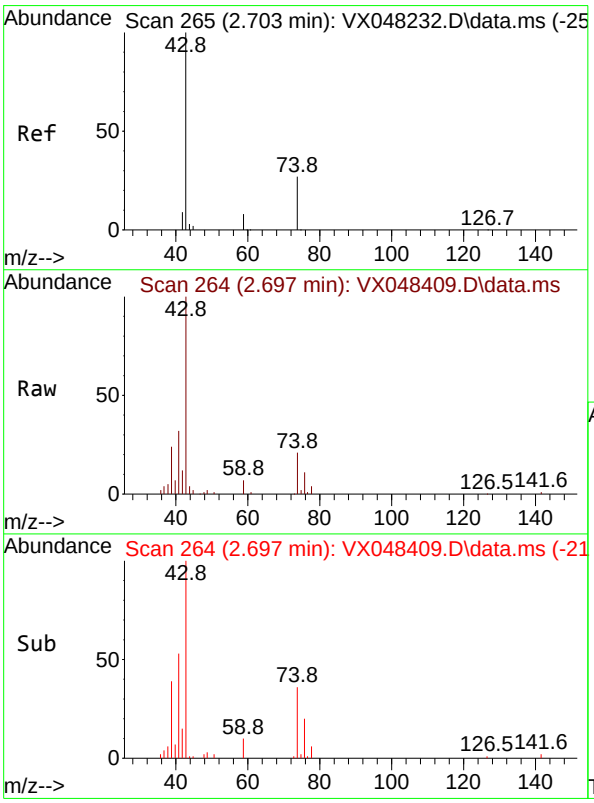
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

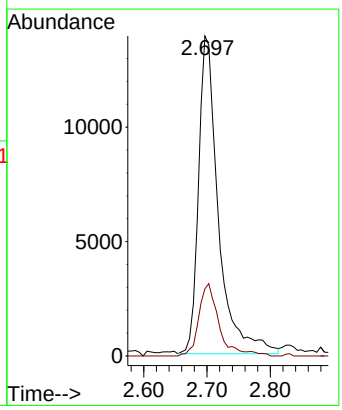


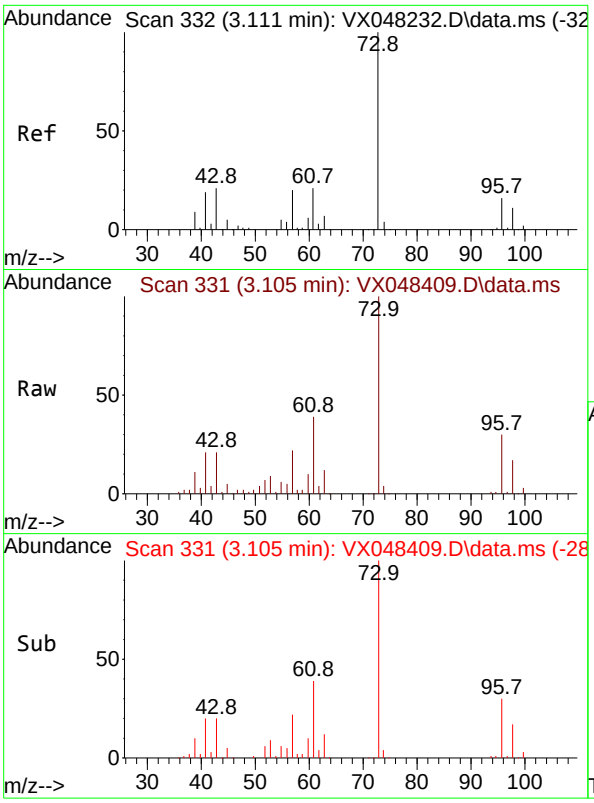


#18
Methyl Acetate
Concen: 17.914 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 43 Resp: 30394

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.5	26.3

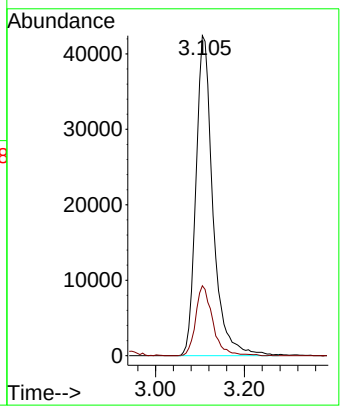




#19
Methyl tert-butyl Ether
Concen: 19.478 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 73 Resp: 11299

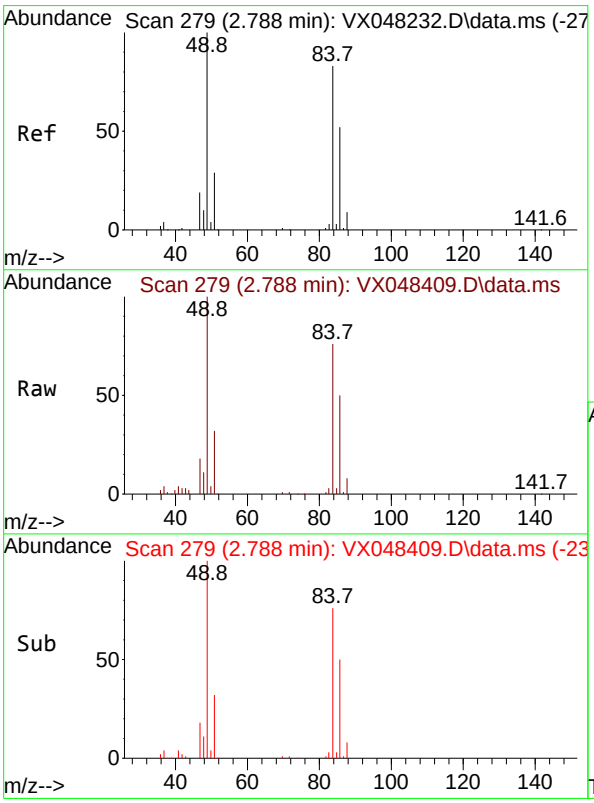
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

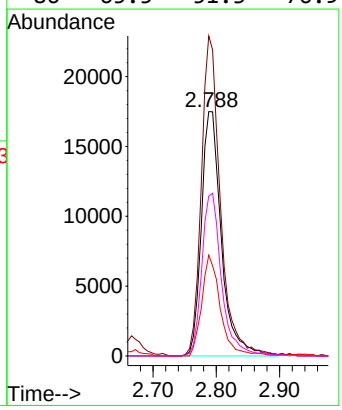
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

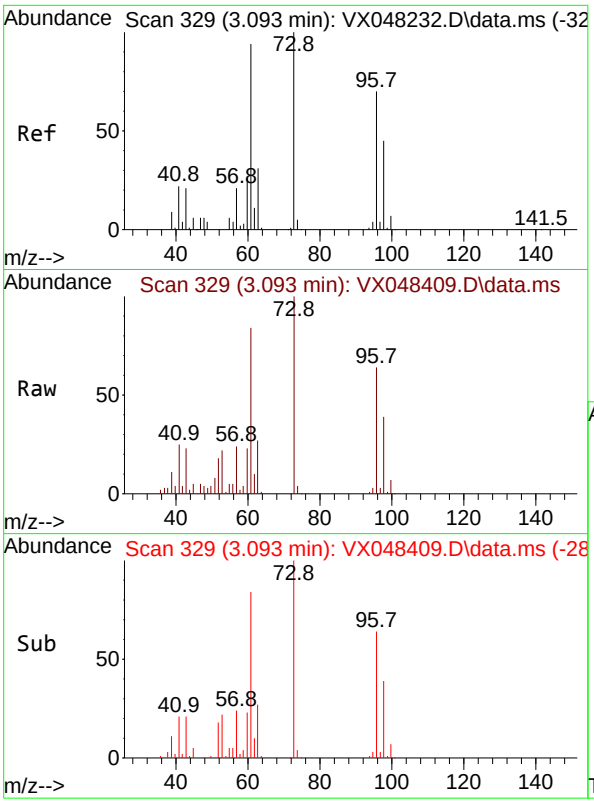


#20
Methylene Chloride
Concen: 19.718 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 84 Resp: 38558

Ion	Ratio	Lower	Upper
84	100		
49	131.0	104.1	156.1
51	41.3	31.3	46.9
86	65.5	51.3	76.9

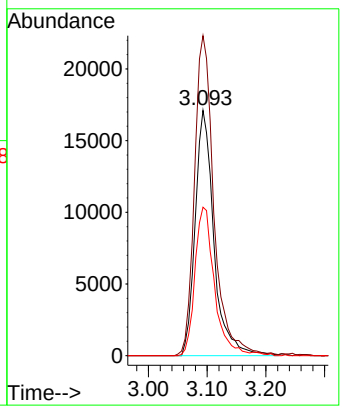




#21
trans-1,2-Dichloroethene
Concen: 19.733 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 96 Resp: 3796

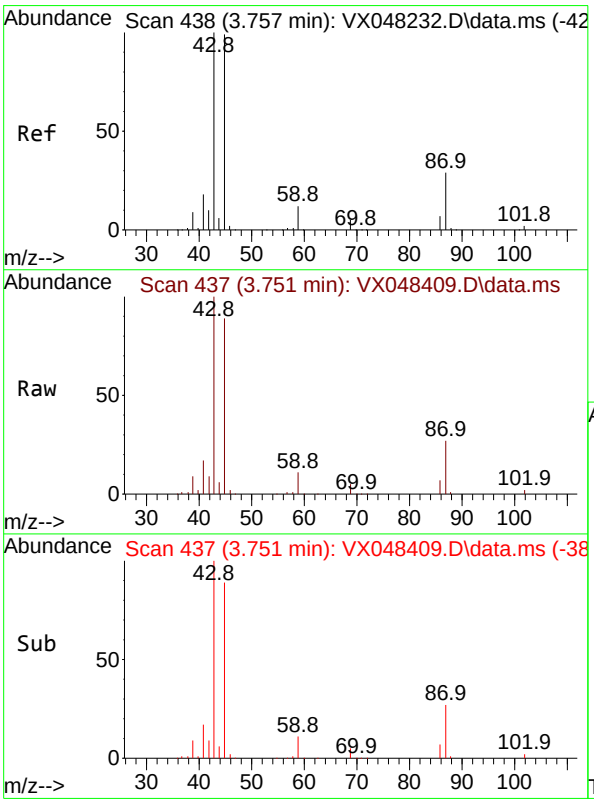
Ion	Ratio	Lower	Upper
96	100		
61	129.9	111.9	167.9
98	60.5	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

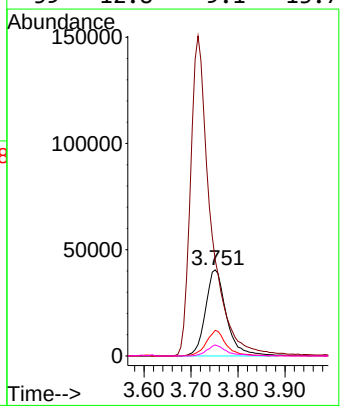
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

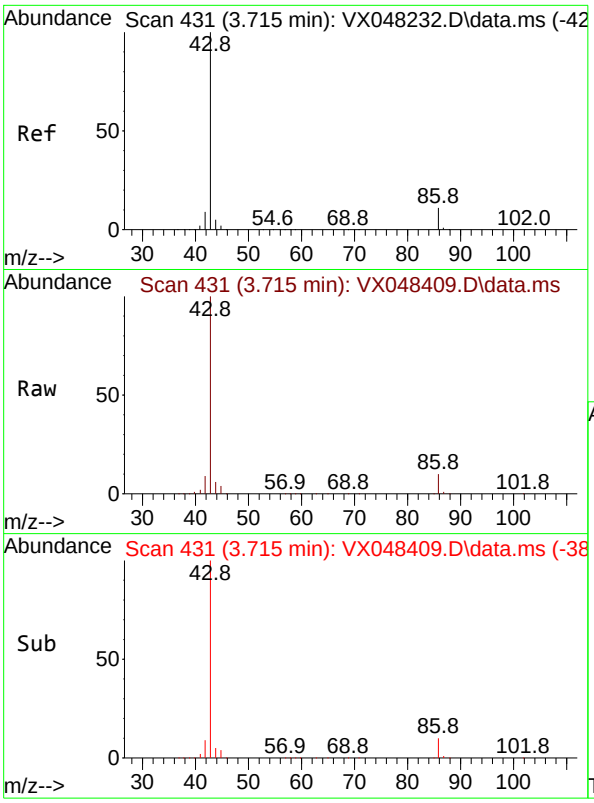


#22
Diisopropyl ether
Concen: 19.923 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 45 Resp: 125099

Ion	Ratio	Lower	Upper
45	100		
43	109.9	89.8	134.8
87	29.7	20.6	31.0
59	12.8	9.1	13.7





#23
Vinyl Acetate
Concen: 106.067 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

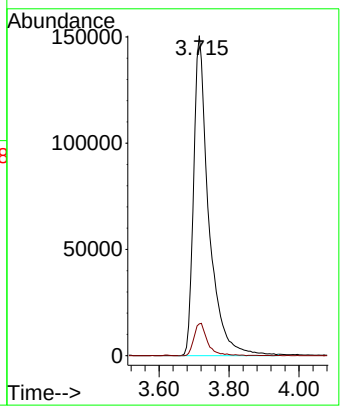
Tgt Ion: 43 Resp: 45337

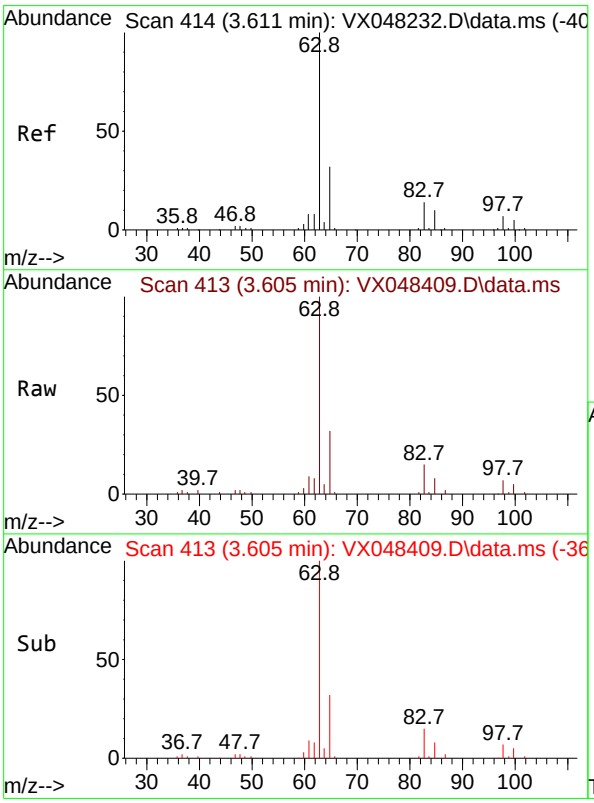
Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

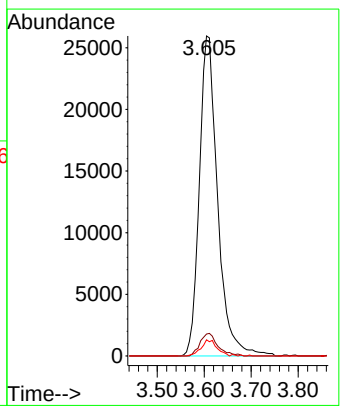


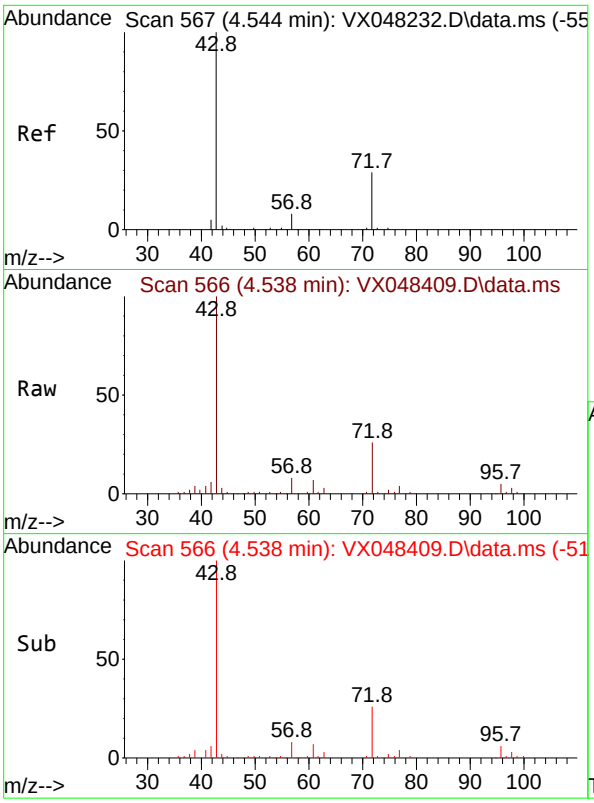


#24
1,1-Dichloroethane
Concen: 19.687 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 63 Resp: 70156

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	5.0	2.1	6.3





#25
2-Butanone
Concen: 100.249 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

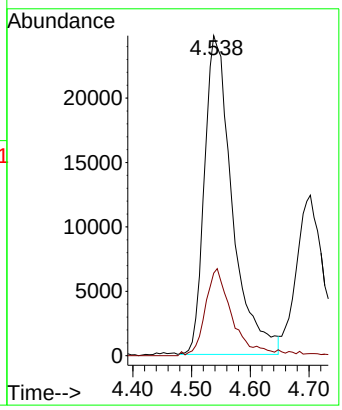
Tgt Ion: 43 Resp: 8124

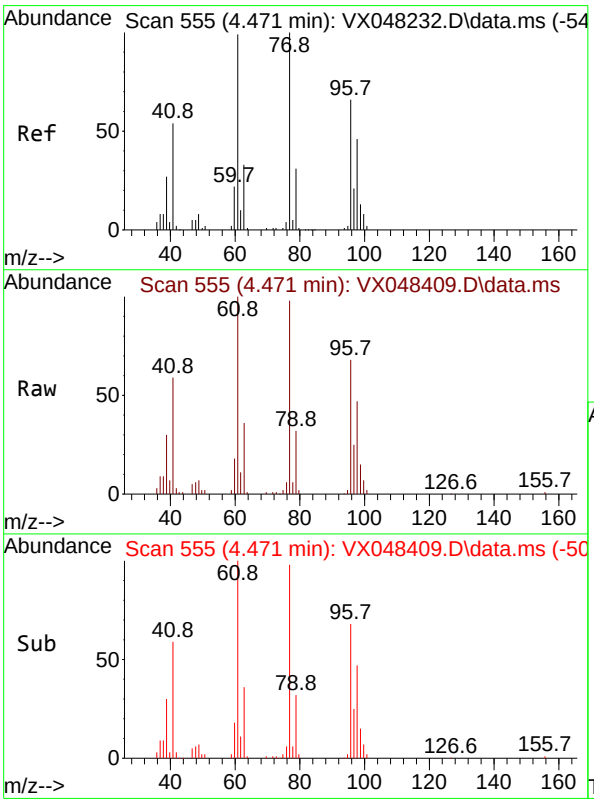
Ion	Ratio	Lower	Upper
43	100		
72	25.9	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

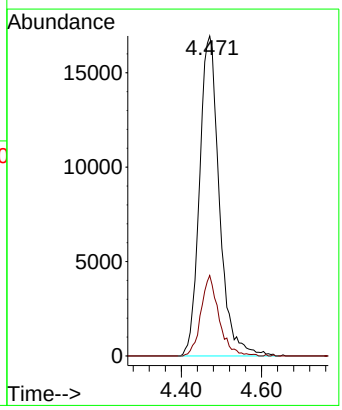


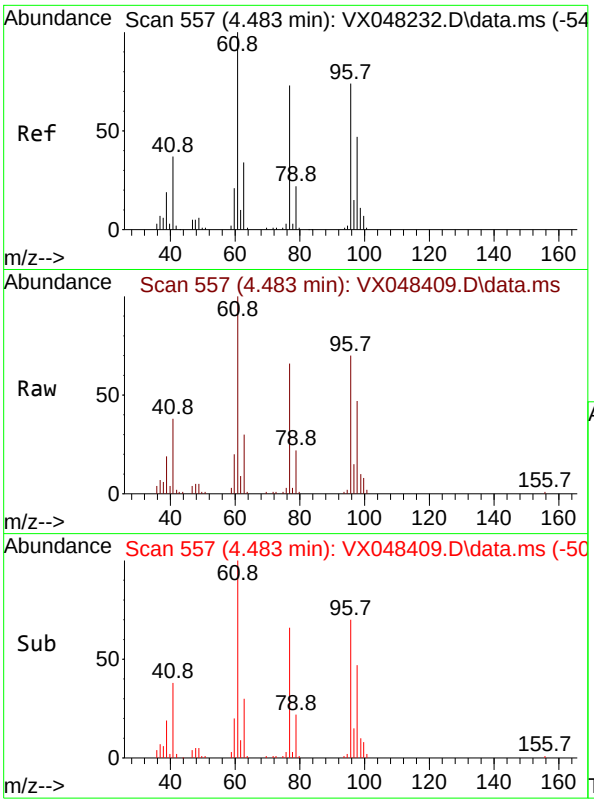


#26
2,2-Dichloropropane
Concen: 18.962 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 77 Resp: 58181

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.1	33.3

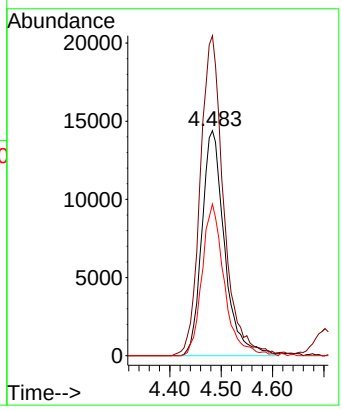




#27
cis-1,2-Dichloroethene
Concen: 19.227 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 96 Resp: 4415

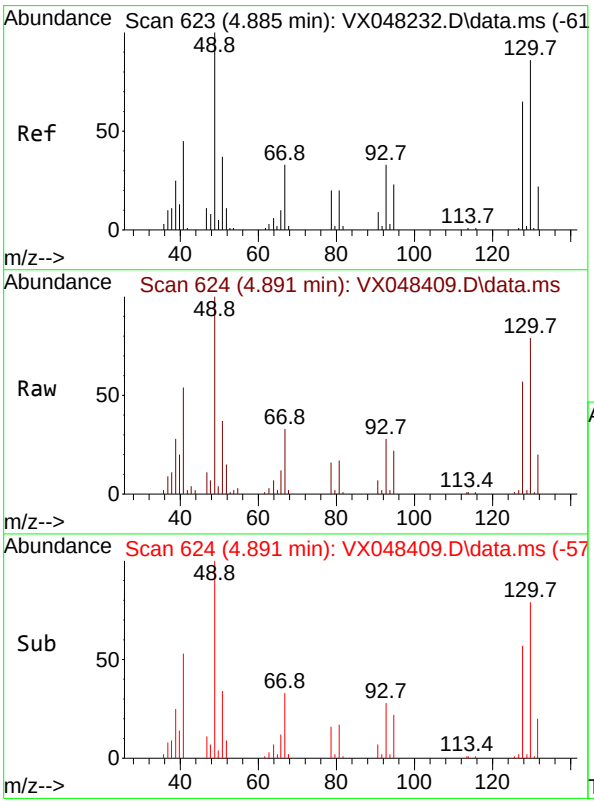
Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	294.2
98	65.8	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

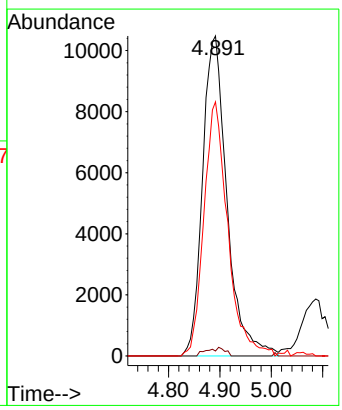
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

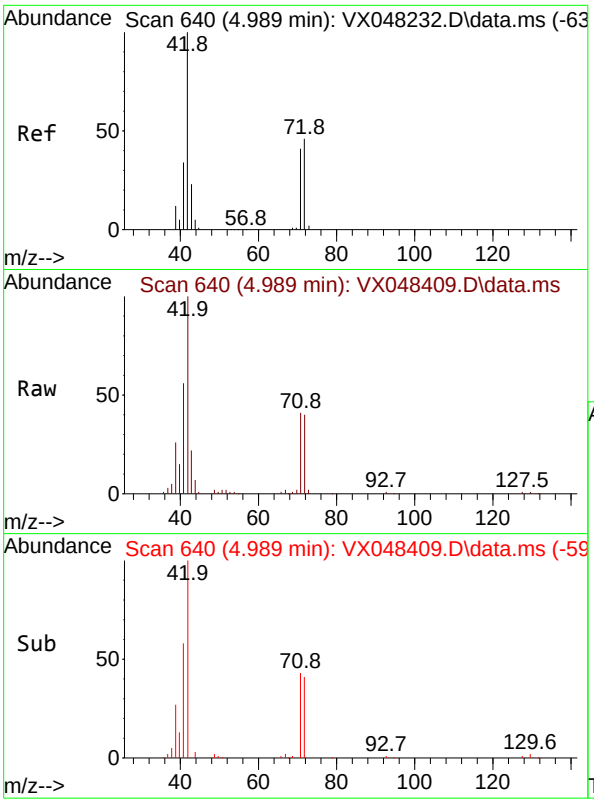


#28
Bromochloromethane
Concen: 21.448 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 49 Resp: 34639

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	77.6	59.3	88.9

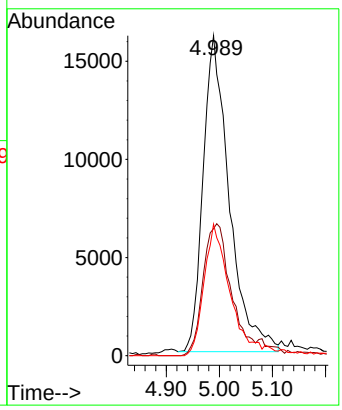




#29
Tetrahydrofuran
Concen: 95.658 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 42 Resp: 5520

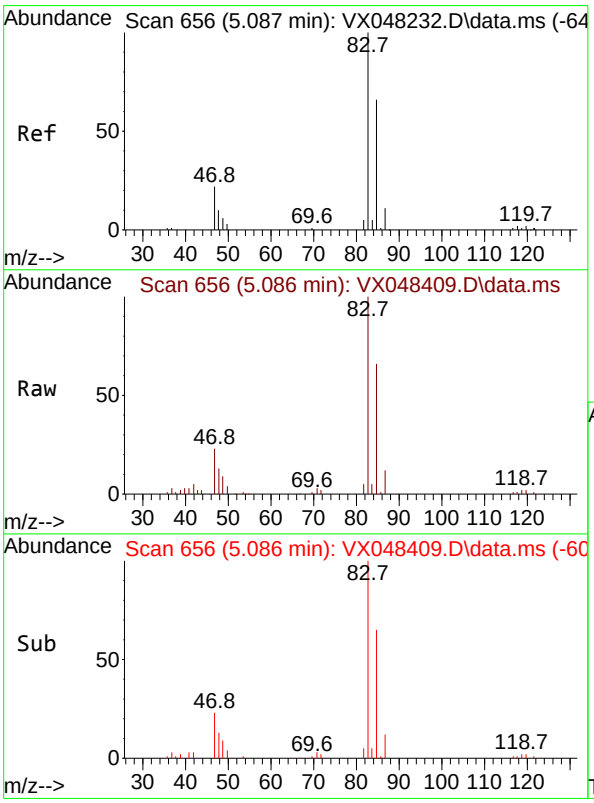
Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.3	52.9
71	41.8	32.2	48.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

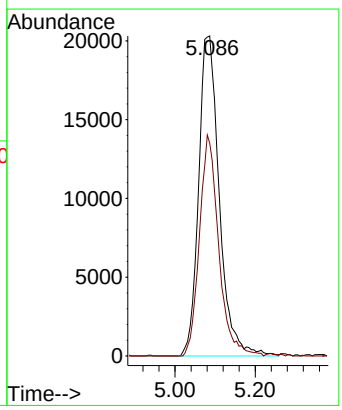
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

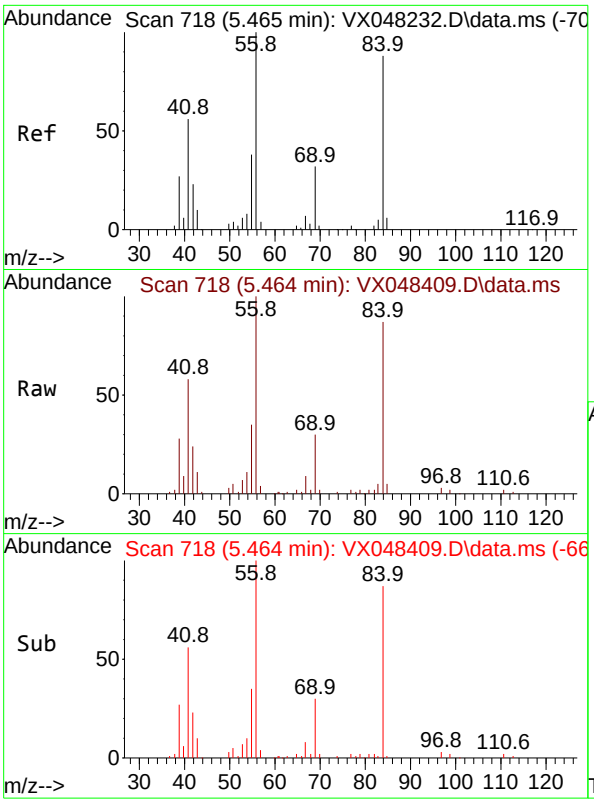


#30
Chloroform
Concen: 19.821 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 83 Resp: 72660

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.1	75.1

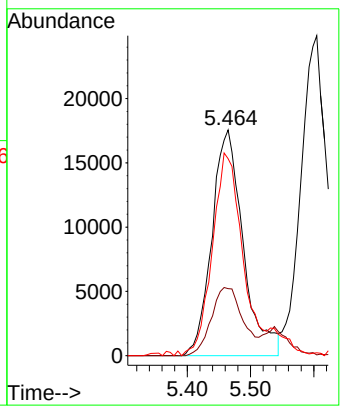




#31
Cyclohexane
Concen: 19.483 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 56 Resp: 6026

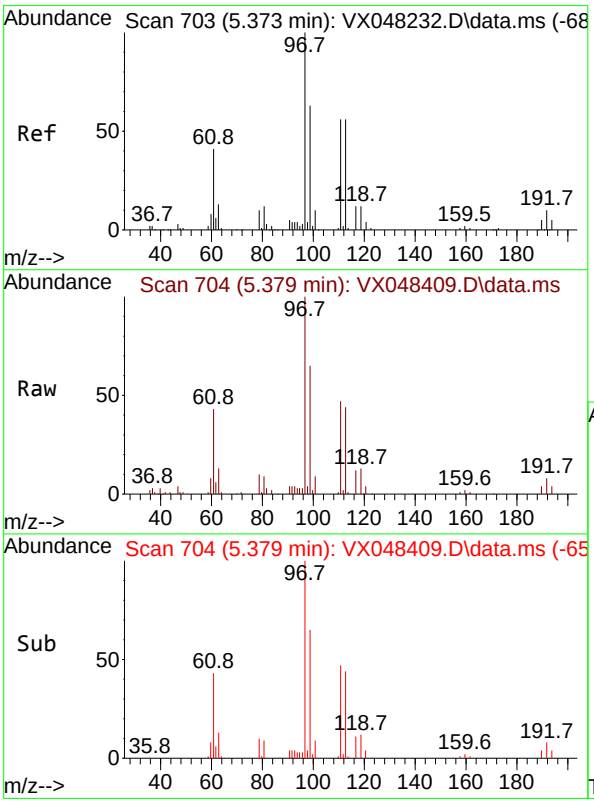
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.0	34.6
84	85.2	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

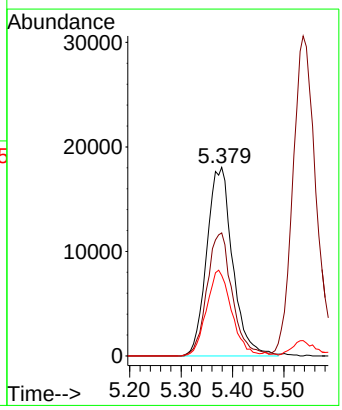
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

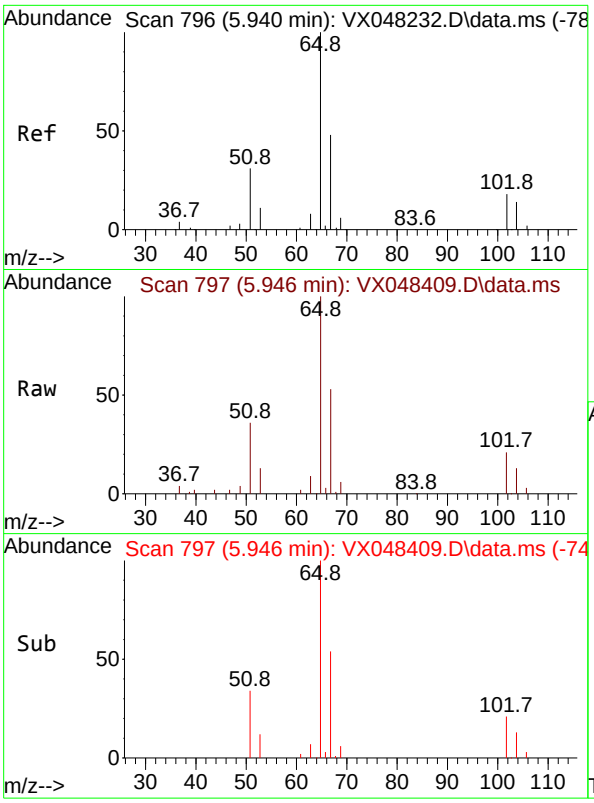


#32
1,1,1-Trichloroethane
Concen: 19.479 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 97 Resp: 63038

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.7	77.5
61	44.0	34.8	52.2

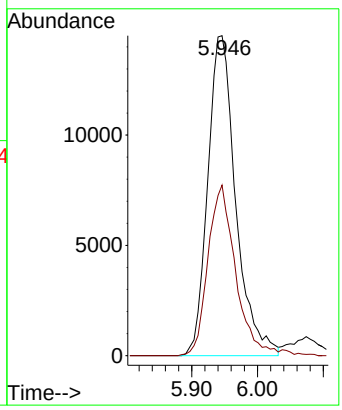




#33
1,2-Dichloroethane-d4
Concen: 19.170 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 65 Resp: 4290

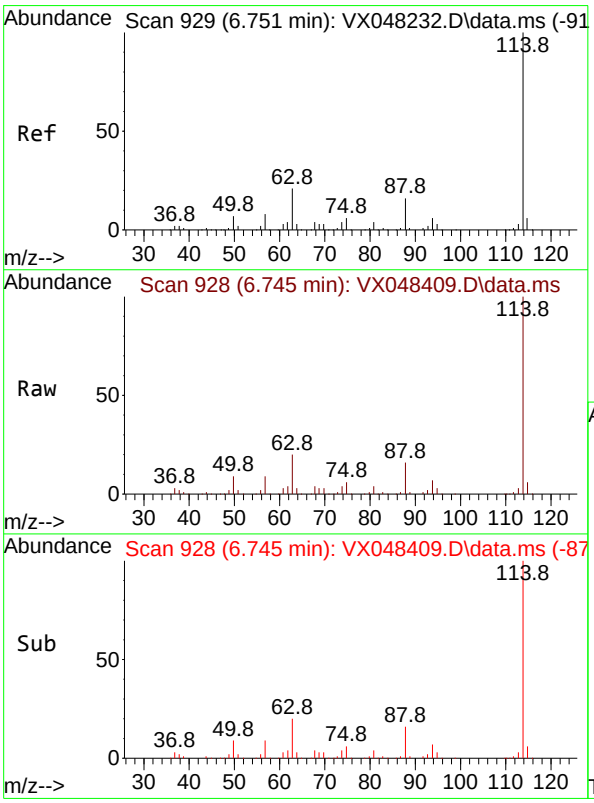
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

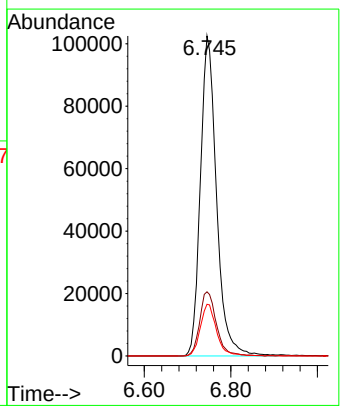
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

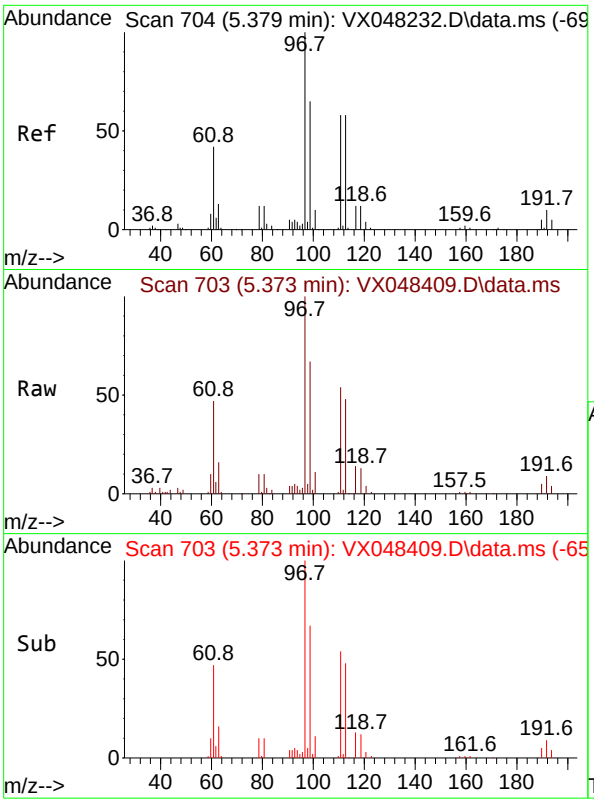


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:114 Resp: 265505

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.2
88	16.1	0.0	33.6

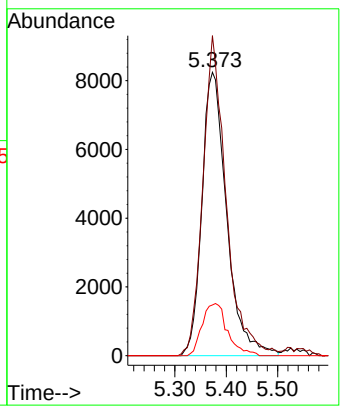




#35
Dibromofluoromethane
Concen: 18.229 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:113 Resp: 2759

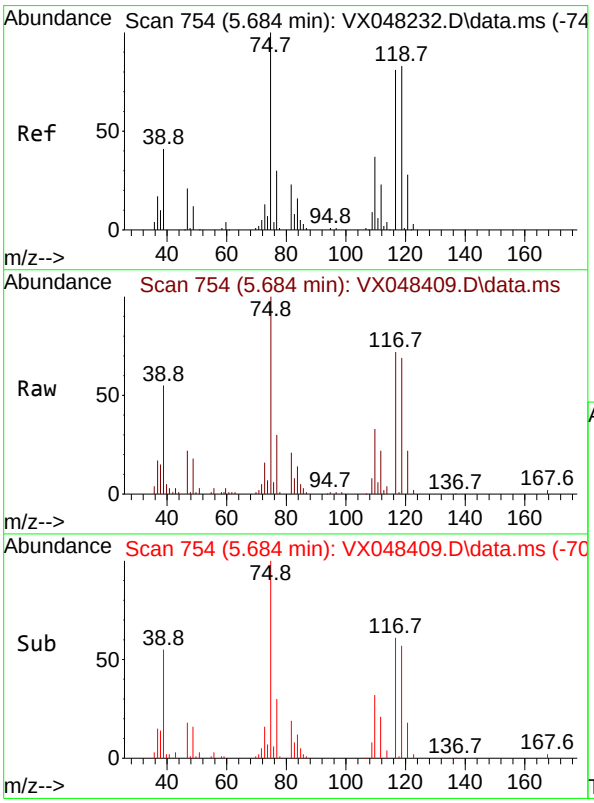
Ion	Ratio	Lower	Upper
113	100		
111	106.1	82.2	123.4
192	18.8	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

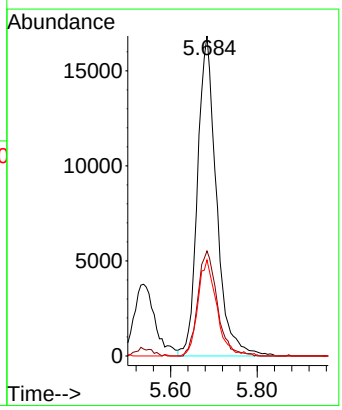
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

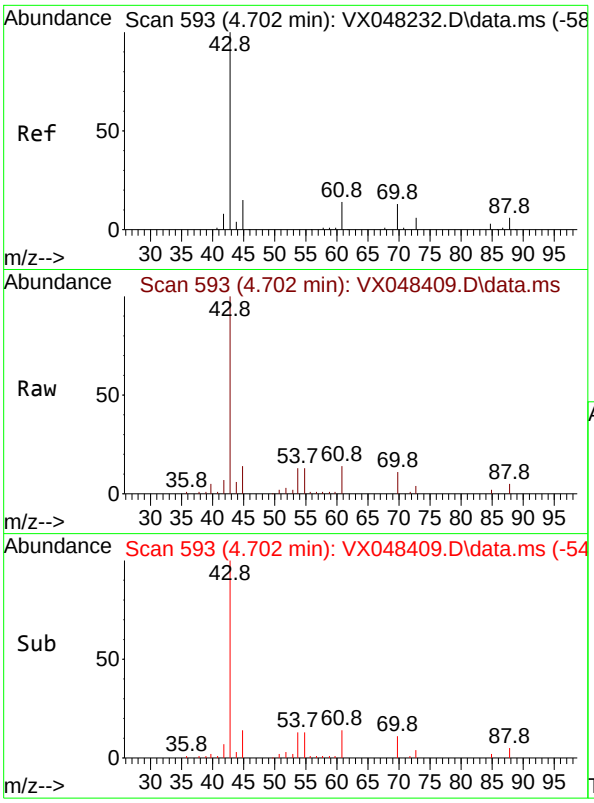


#36
1,1-Dichloropropene
Concen: 20.082 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 75 Resp: 51050

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.7	53.1
77	29.9	24.3	36.5

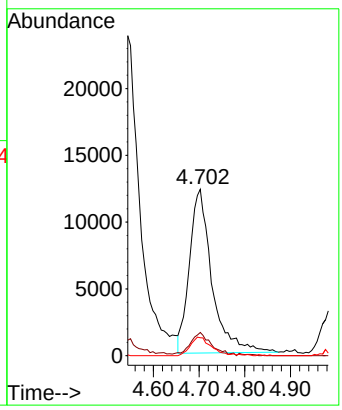




#37
Ethyl Acetate
Concen: 19.410 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 43 Resp: 4203

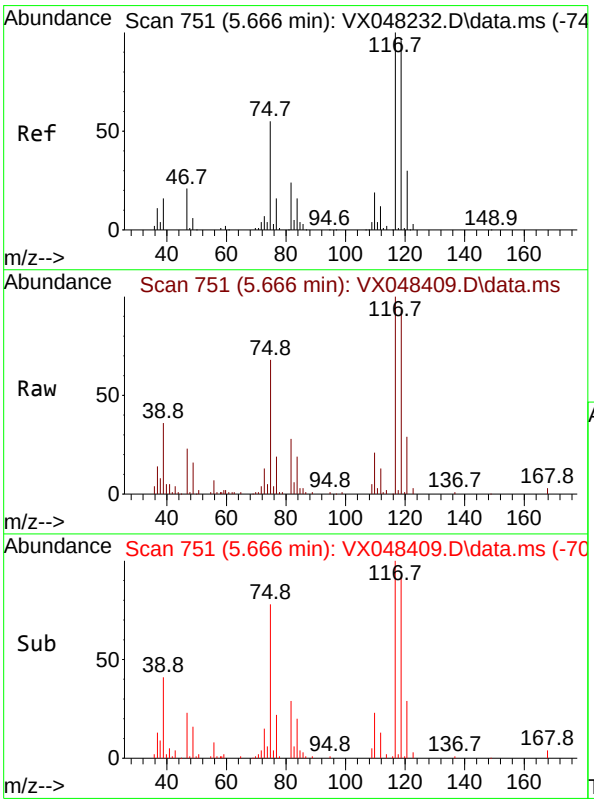
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	10.3	7.8	11.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

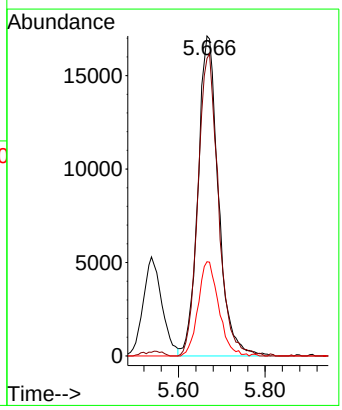
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

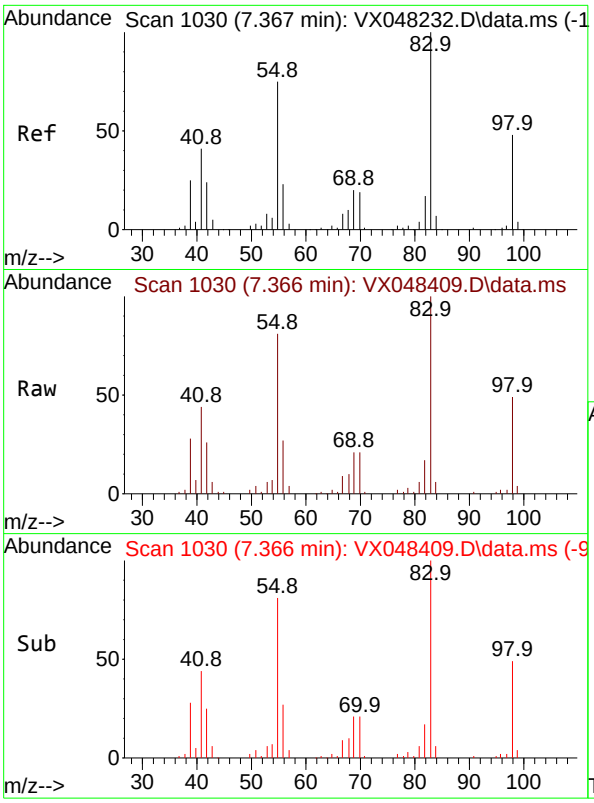


#38
Carbon Tetrachloride
Concen: 19.094 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:117 Resp: 56042

Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.2	115.8
121	29.4	24.8	37.2

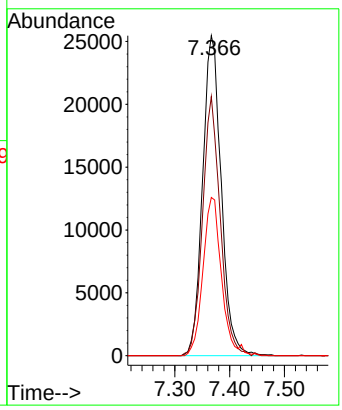




#39
Methylcyclohexane
Concen: 18.370 ug/l
RT: 7.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 83 Resp: 6005

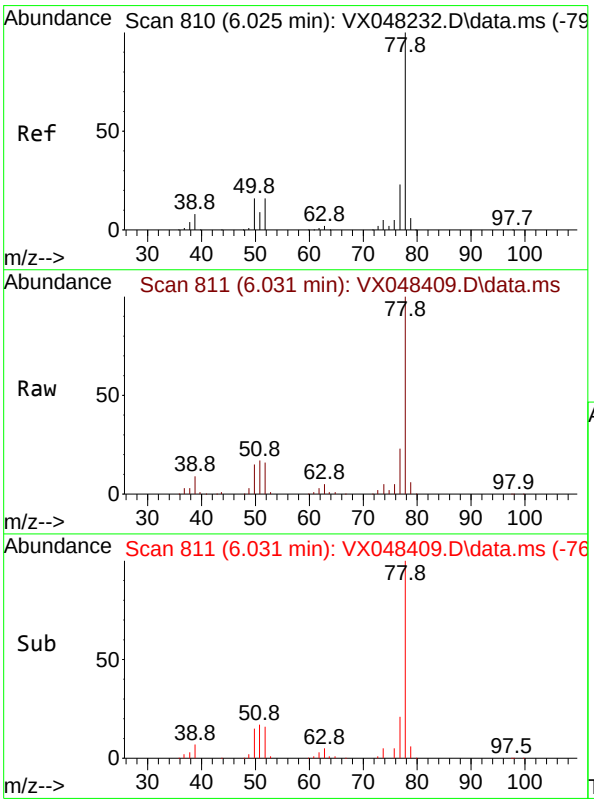
Ion	Ratio	Lower	Upper
83	100		
55	80.9	66.2	99.2
98	49.5	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

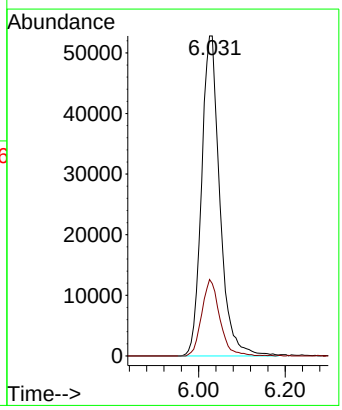
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

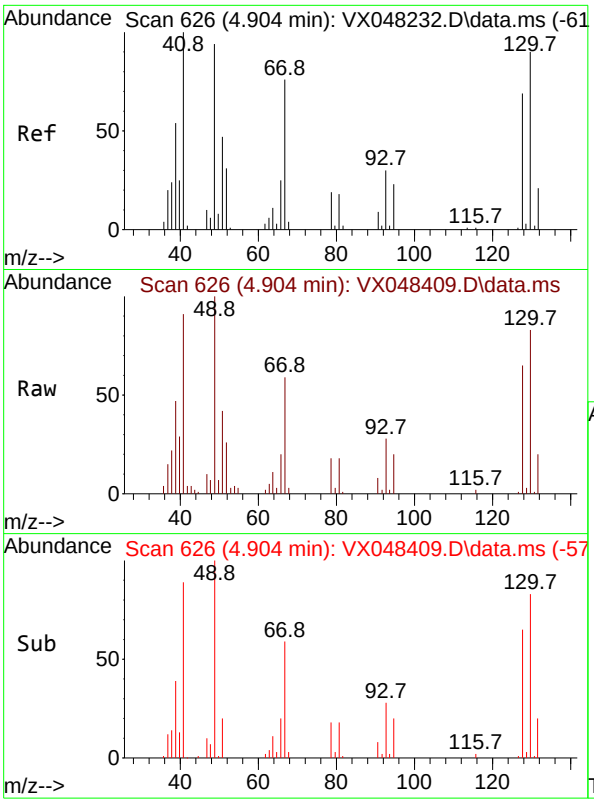


#40
Benzene
Concen: 19.926 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 78 Resp: 154747

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.3	28.9

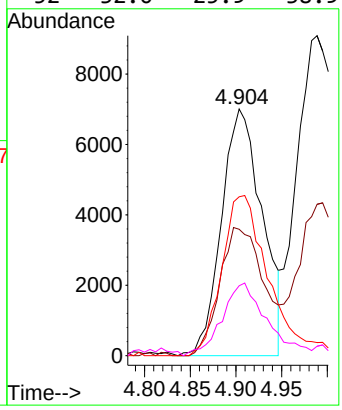




#41
Methacrylonitrile
Concen: 19.952 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 41 Resp: 2176

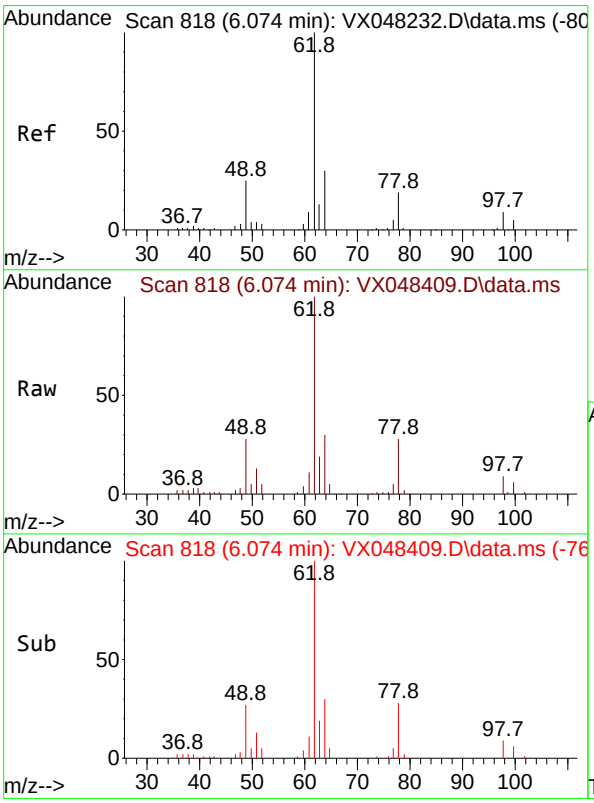
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.0	66.0
67	74.7	58.7	88.1
52	32.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

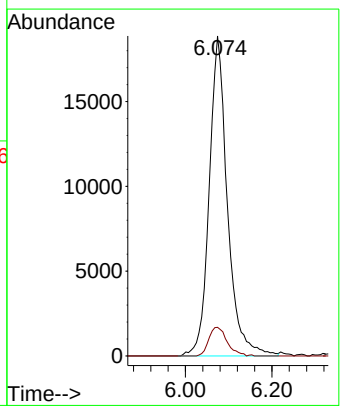
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

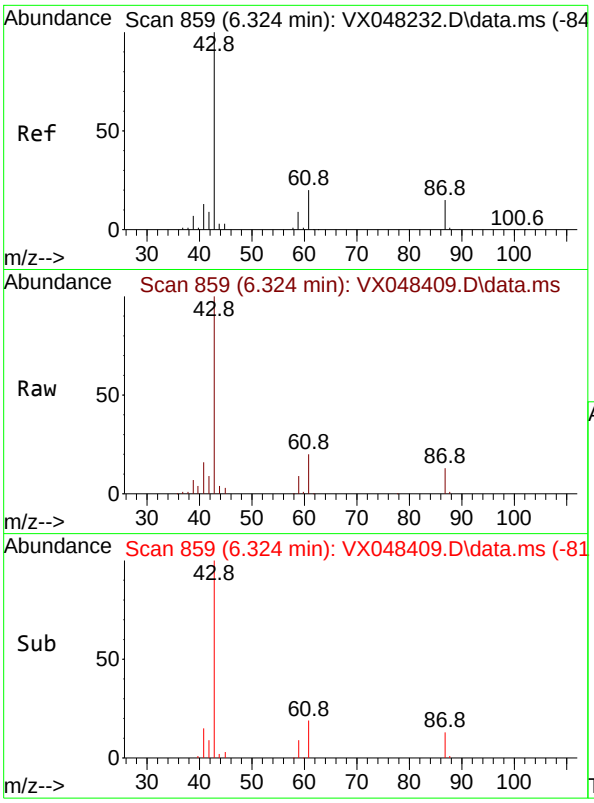


#42
1,2-Dichloroethane
Concen: 20.153 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 62 Resp: 55126

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2

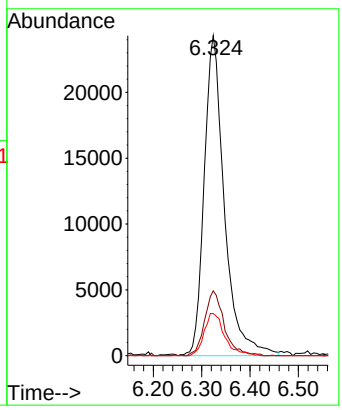




#43
Isopropyl Acetate
Concen: 19.711 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 43 Resp: 7048

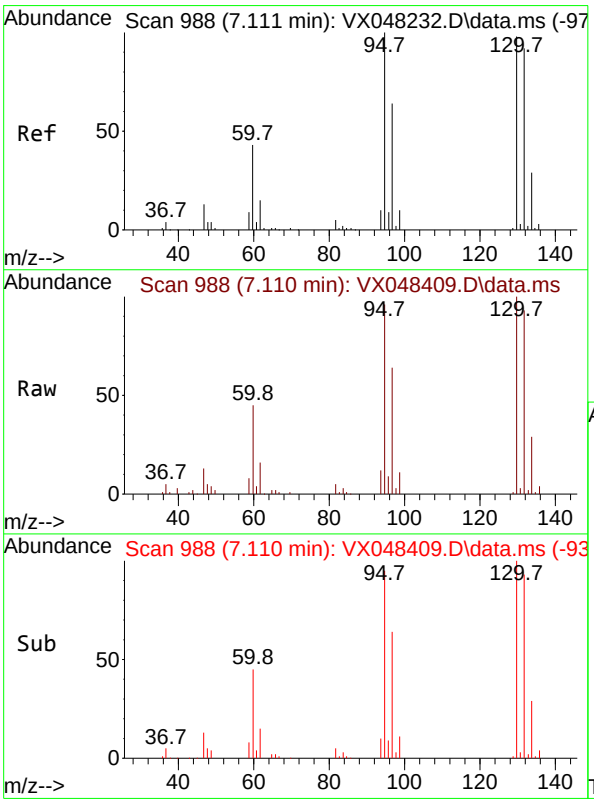
Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.9	22.3
87	13.3	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

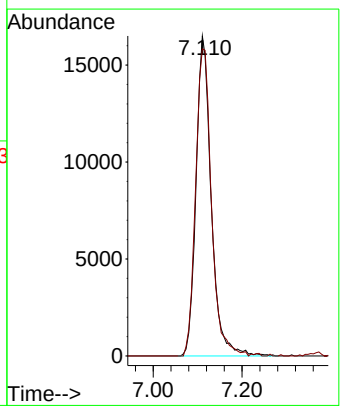
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

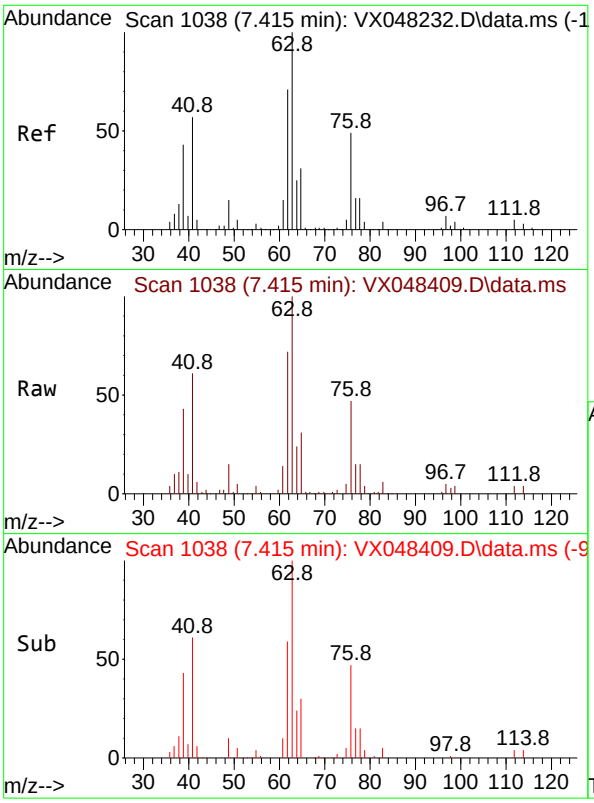


#44
Trichloroethene
Concen: 19.230 ug/l
RT: 7.110 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:130 Resp: 39126

Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	200.6

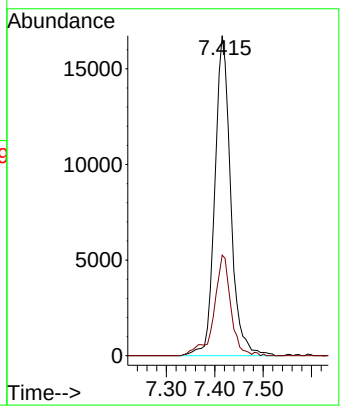




#45
1,2-Dichloropropane
Concen: 19.677 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 63 Resp: 3816

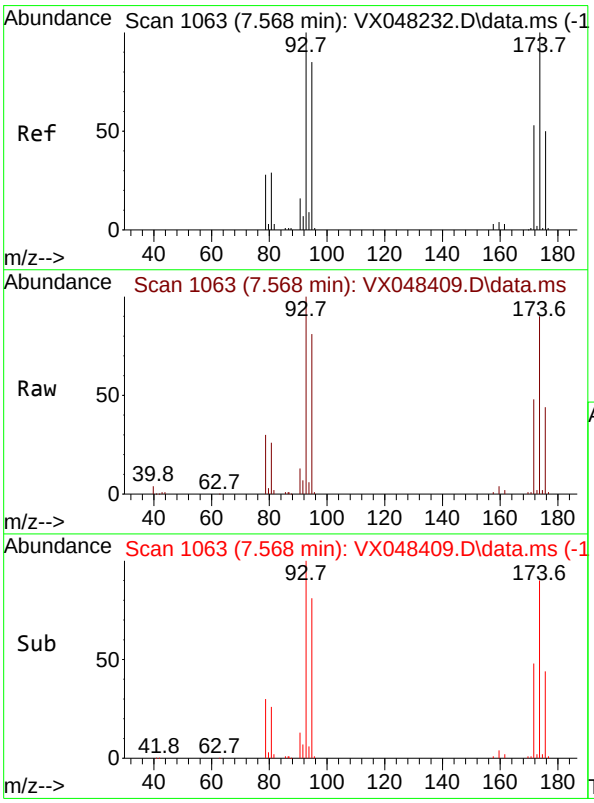
Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

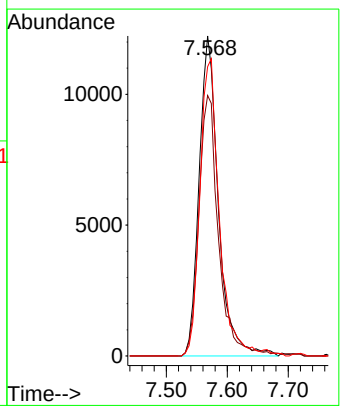
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

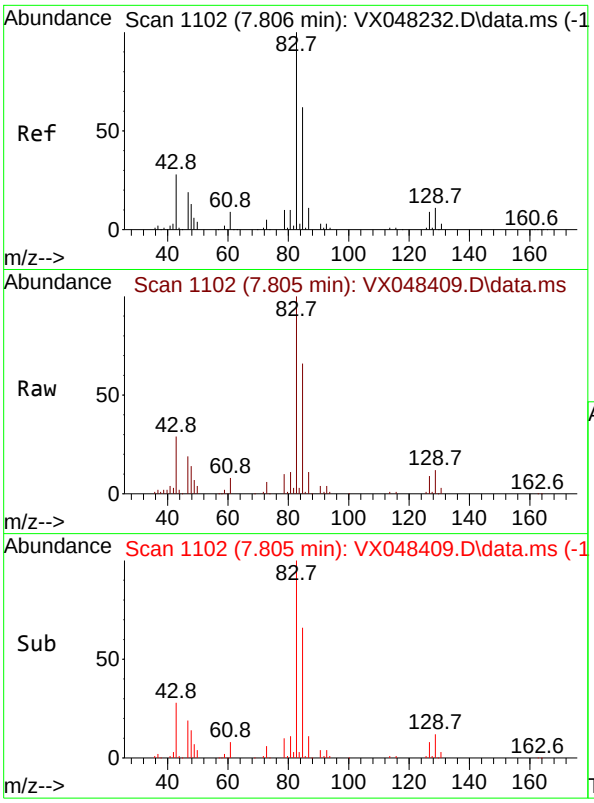


#46
Dibromomethane
Concen: 19.745 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 93 Resp: 26809

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.9	98.9
174	93.3	71.7	107.5

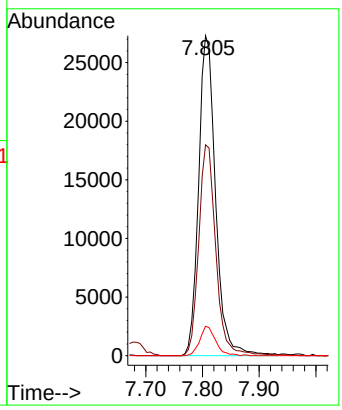




#47
Bromodichloromethane
Concen: 19.723 ug/l
RT: 7.805 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 83 Resp: 5689

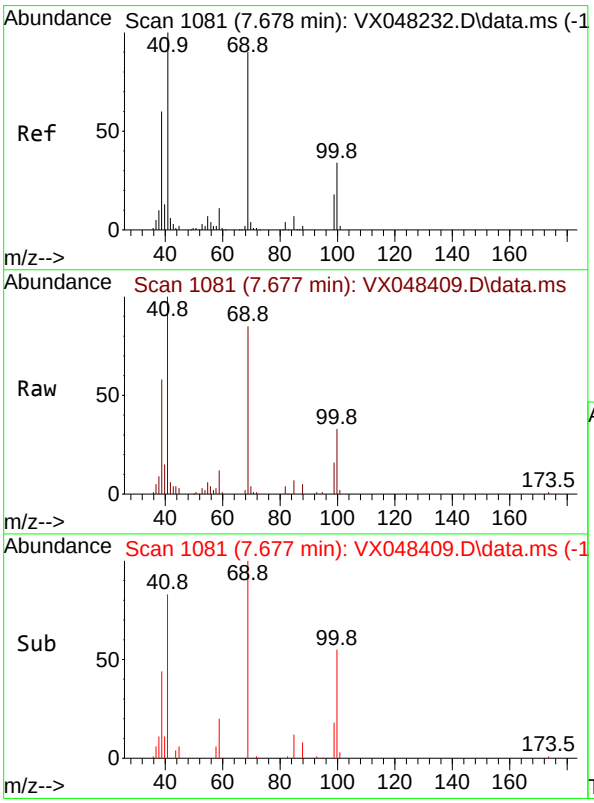
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4
127	9.0	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

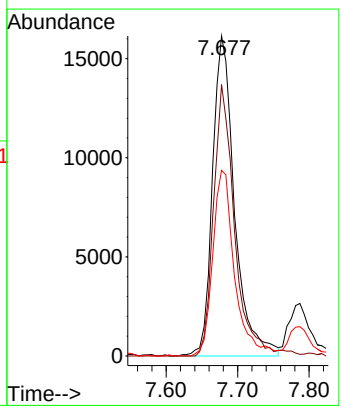
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

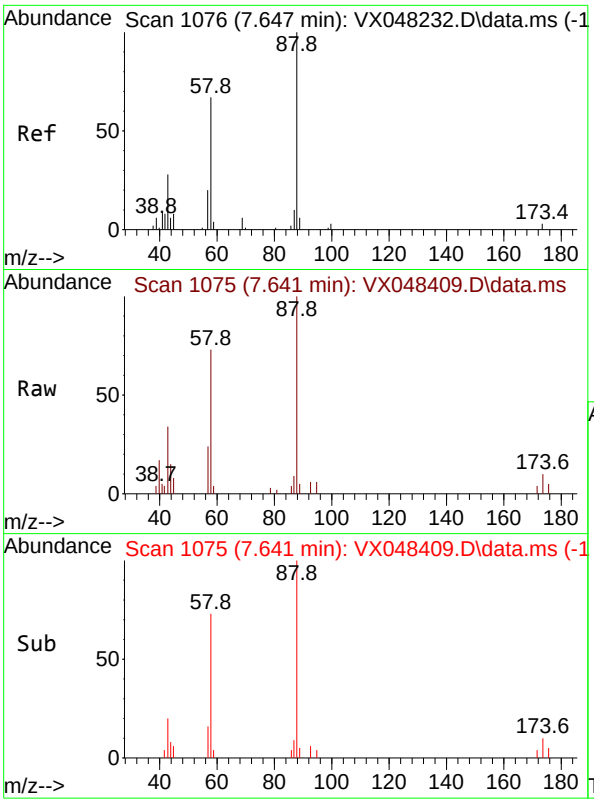


#48
Methyl methacrylate
Concen: 19.812 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 41 Resp: 34546

Ion	Ratio	Lower	Upper
41	100		
69	79.9	63.4	95.0
39	57.2	47.1	70.7

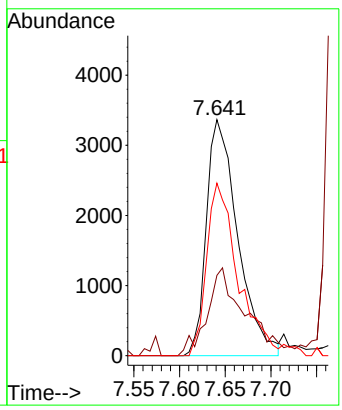




#49
1,4-Dioxane
Concen: 405.056 ug/l
RT: 7.641 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 88 Resp: 802

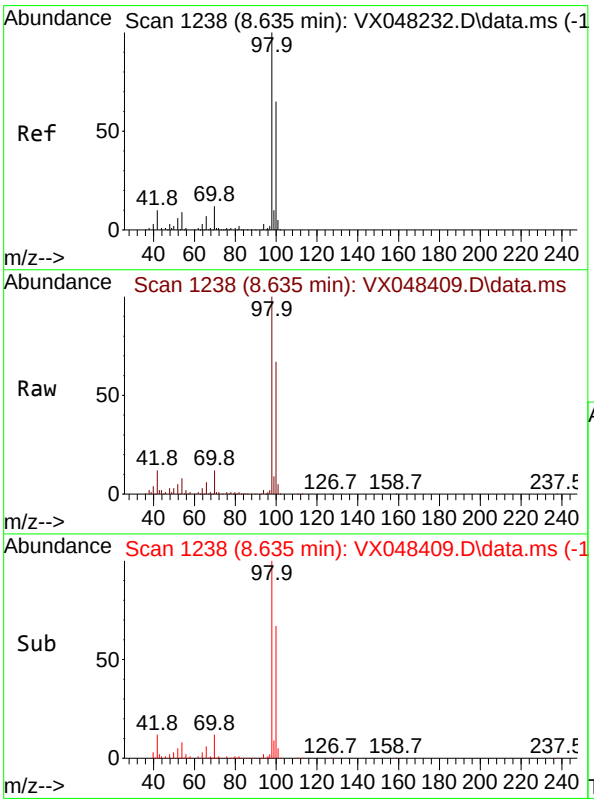
Ion	Ratio	Lower	Upper
88	100		
43	45.7	35.0	52.4
58	72.9	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

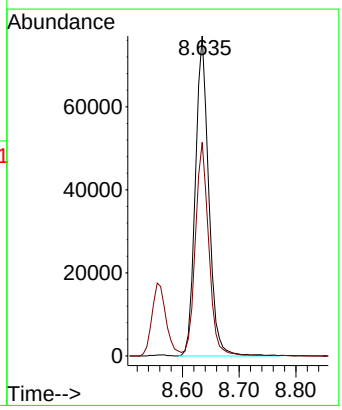
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

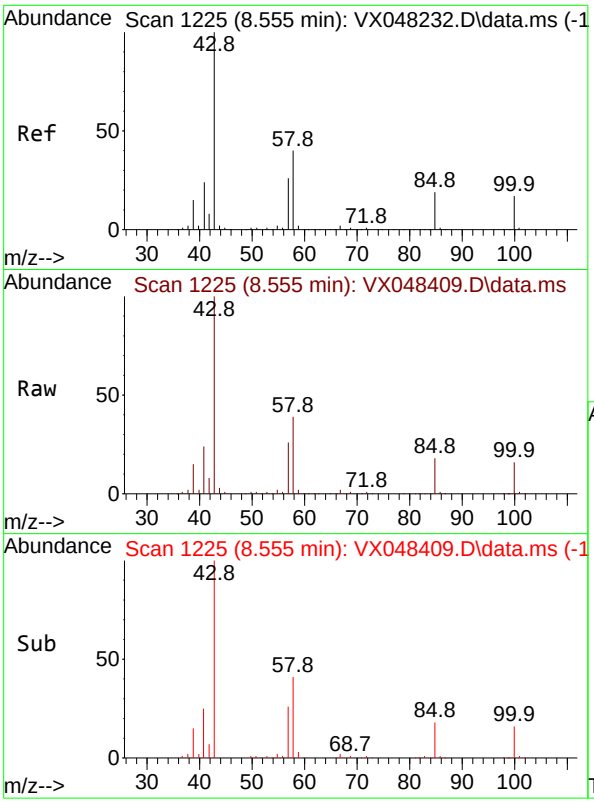


#50
Toluene-d8
Concen: 18.931 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 98 Resp: 126497

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

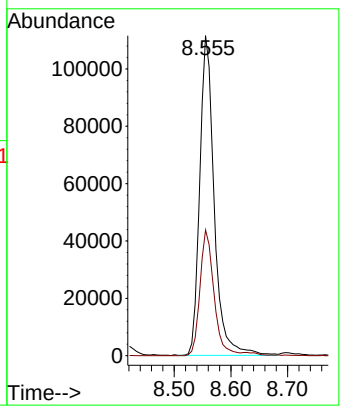




#51
4-Methyl-2-Pentanone
Concen: 99.558 ug/l
RT: 8.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 43 Resp: 19811

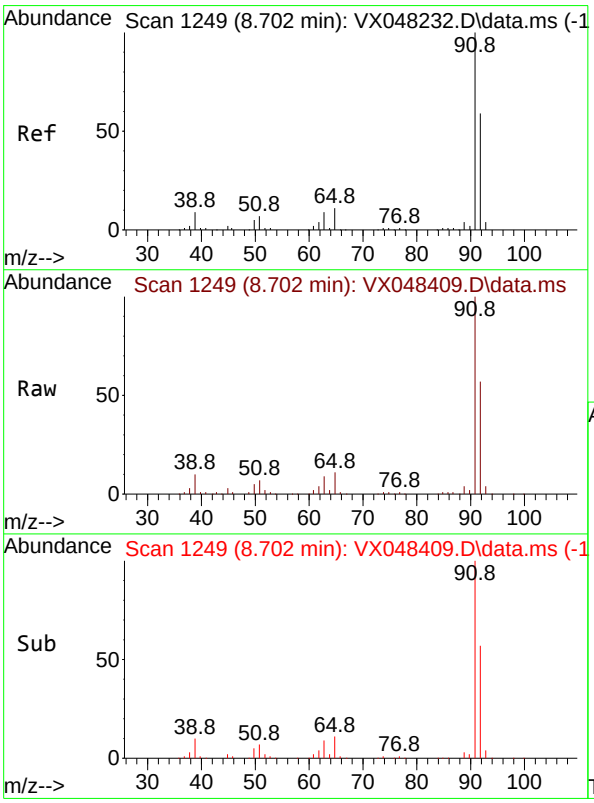
Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

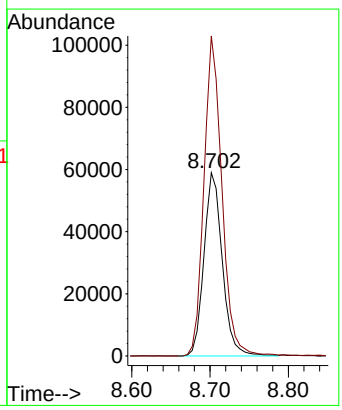
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

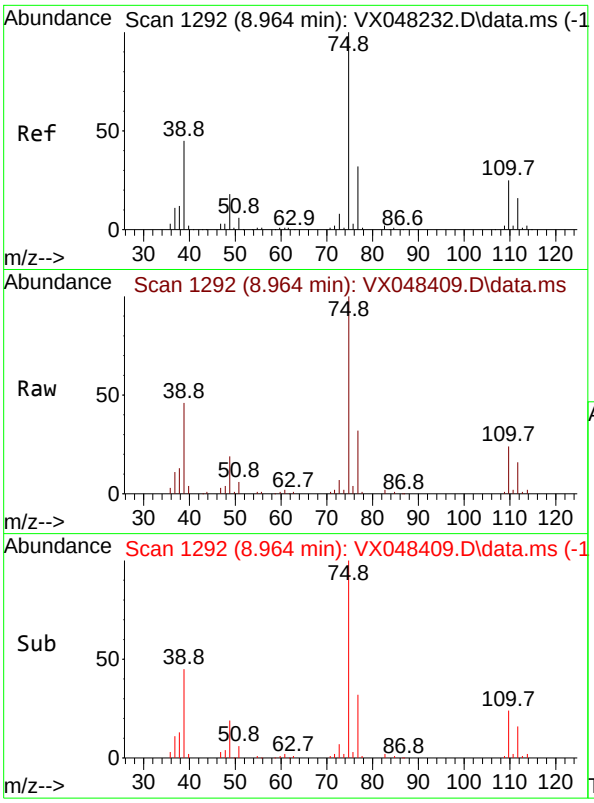


#52
Toluene
Concen: 19.737 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 92 Resp: 95778

Ion	Ratio	Lower	Upper
92	100		
91	171.3	136.1	204.1

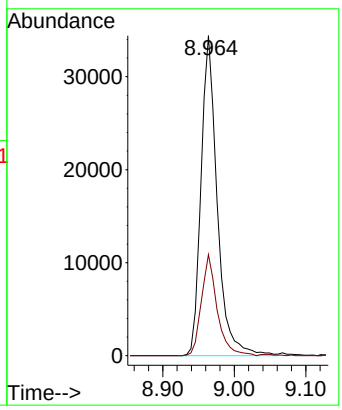




#53
t-1,3-Dichloropropene
Concen: 20.704 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 75 Resp: 5413

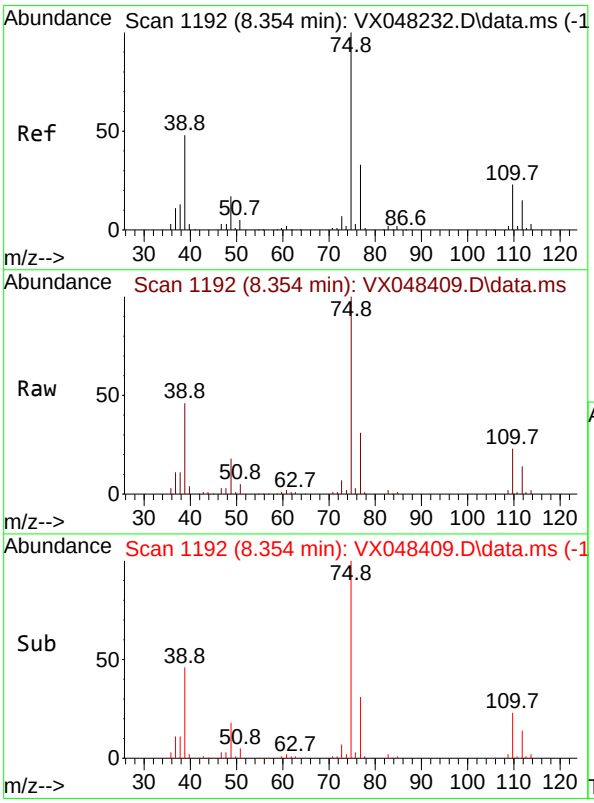
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

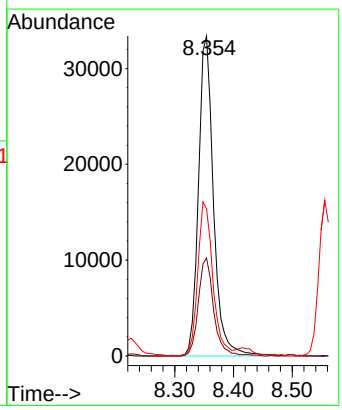
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

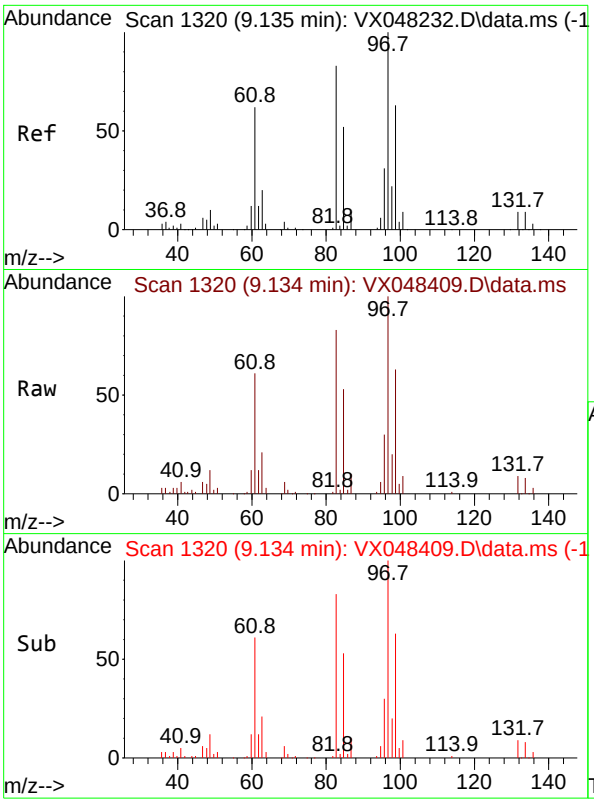


#54
cis-1,3-Dichloropropene
Concen: 21.045 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 75 Resp: 59288

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.9	37.3
39	46.0	42.6	64.0

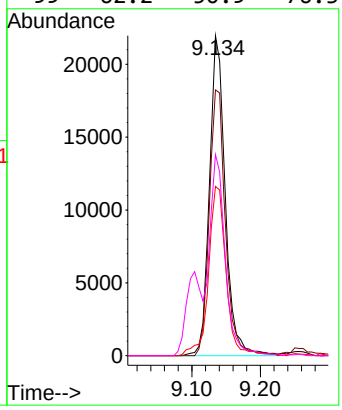




#55
1,1,2-Trichloroethane
Concen: 20.100 ug/l
RT: 9.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 97 Resp: 3529

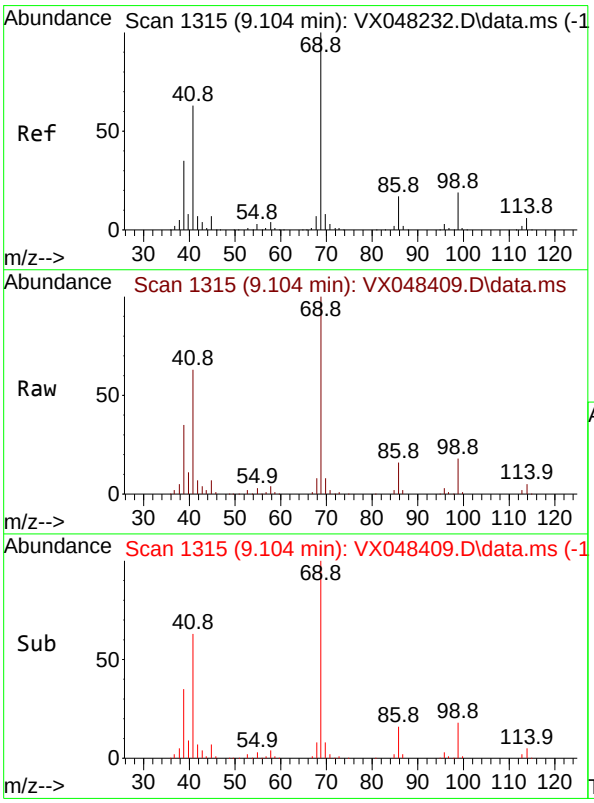
Ion	Ratio	Lower	Upper
97	100		
83	83.1	70.6	105.8
85	52.9	45.0	67.6
99	62.2	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

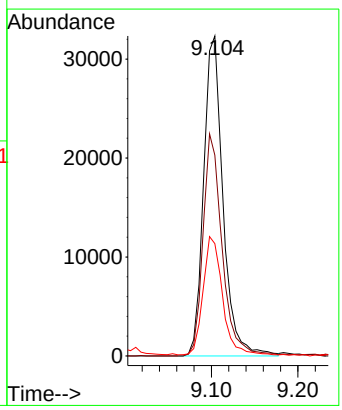
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

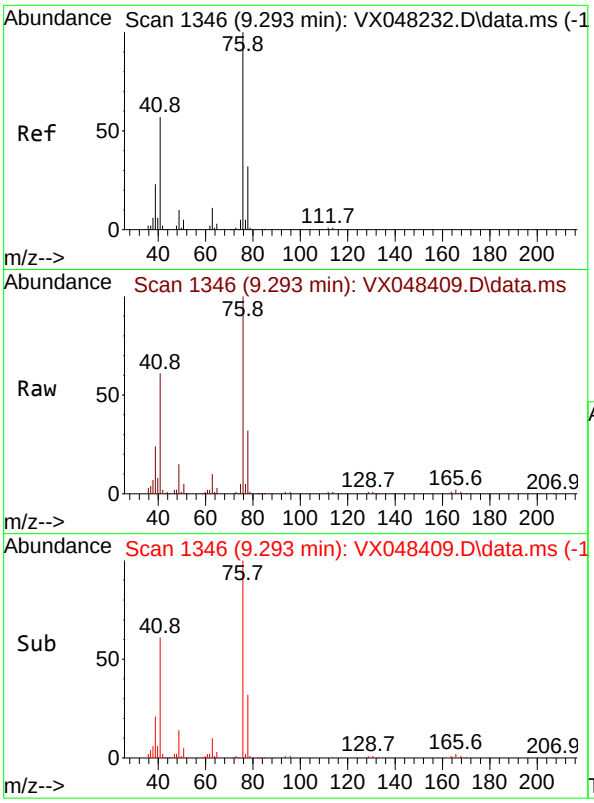


#56
Ethyl methacrylate
Concen: 19.521 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 69 Resp: 50195

Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.0	84.0
39	37.5	31.6	47.4

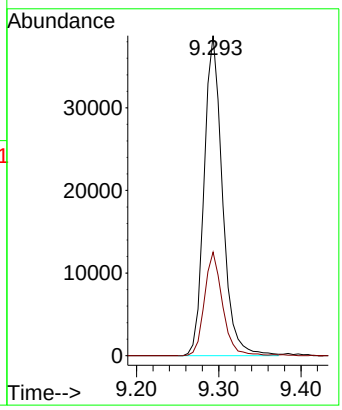




#57
1,3-Dichloropropane
Concen: 19.734 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 76 Resp: 6008

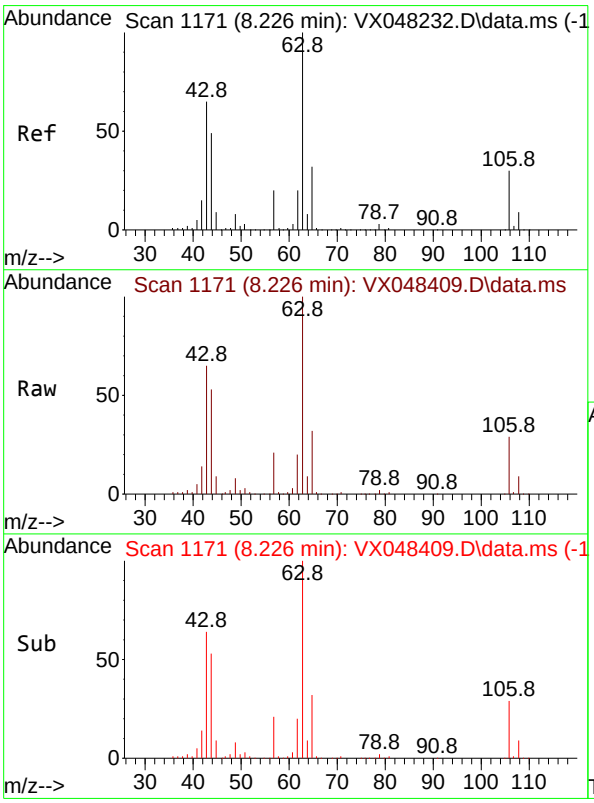
Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

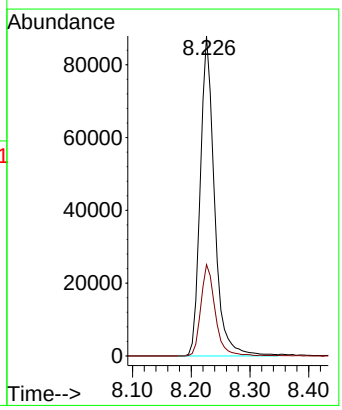
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

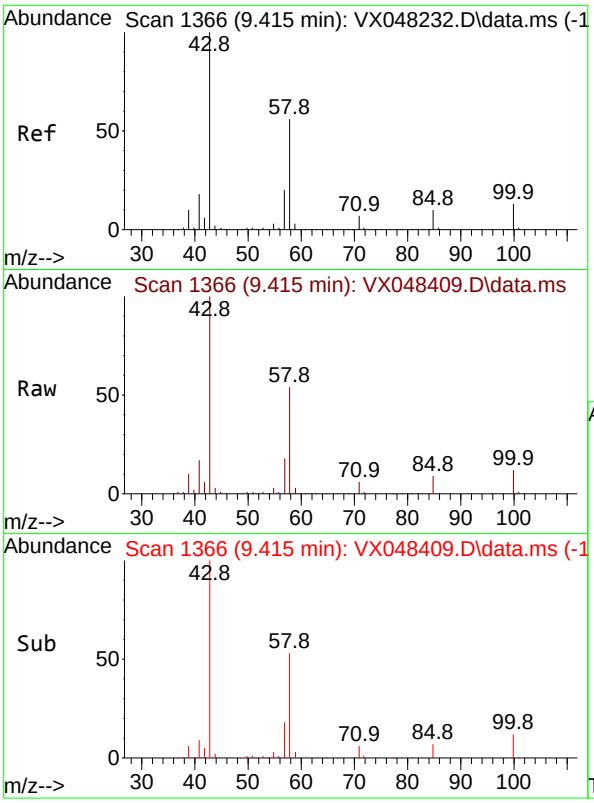


#58
2-Chloroethyl Vinyl ether
Concen: 102.113 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 63 Resp: 147643

Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.2	33.2

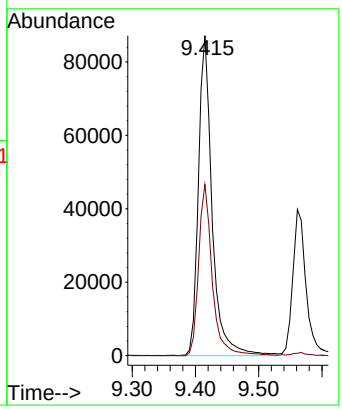




#59
2-Hexanone
Concen: 101.896 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 43 Resp: 13193

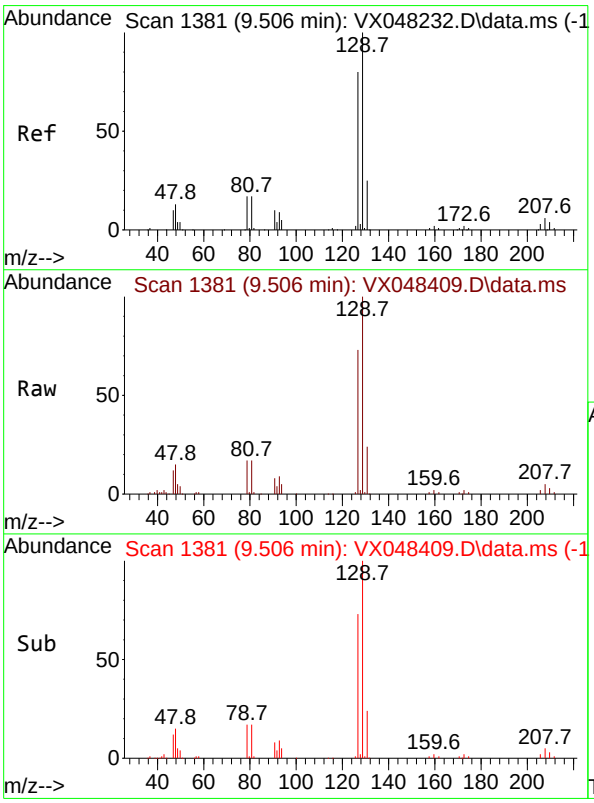
Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.3	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

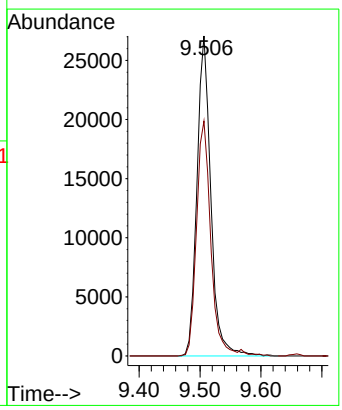
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

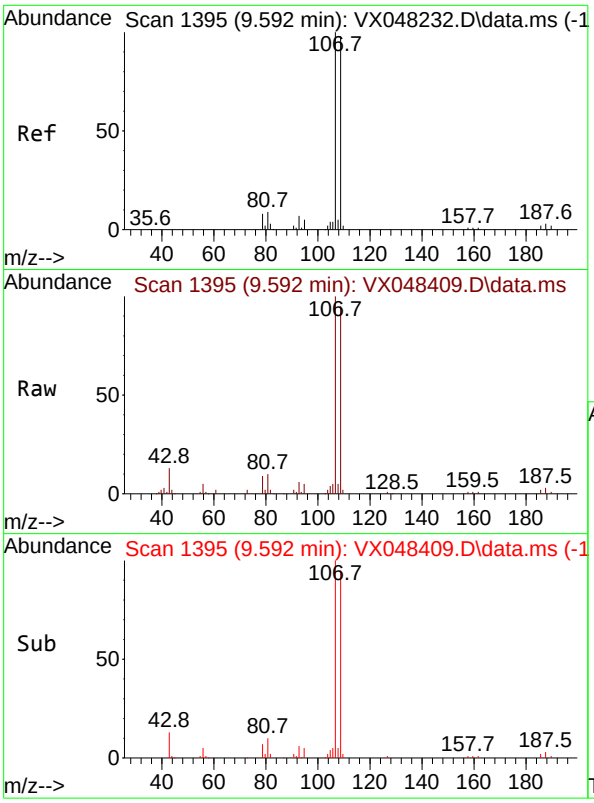


#60
Dibromochloromethane
Concen: 19.711 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:129 Resp: 42810

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.6	115.7





#61
1,2-Dibromoethane
Concen: 19.761 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

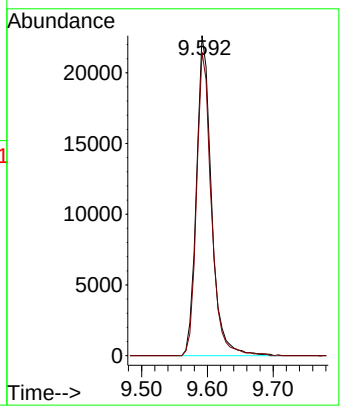
Tgt Ion:107 Resp: 3590

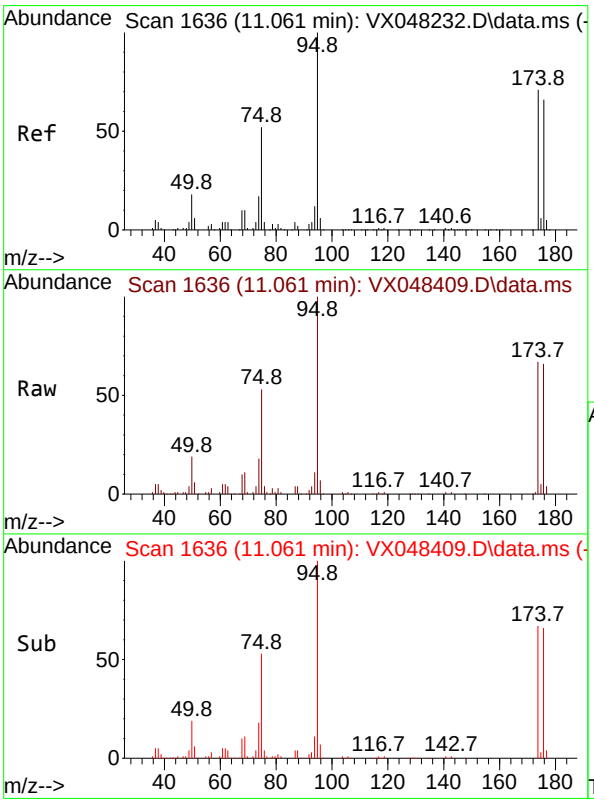
Ion	Ratio	Lower	Upper
107	100		
109	93.8	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

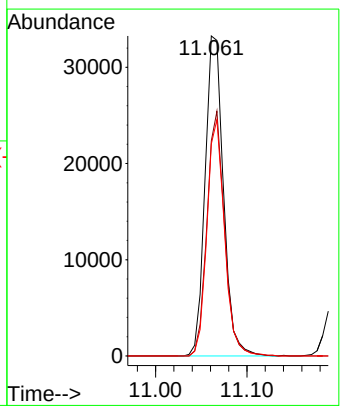


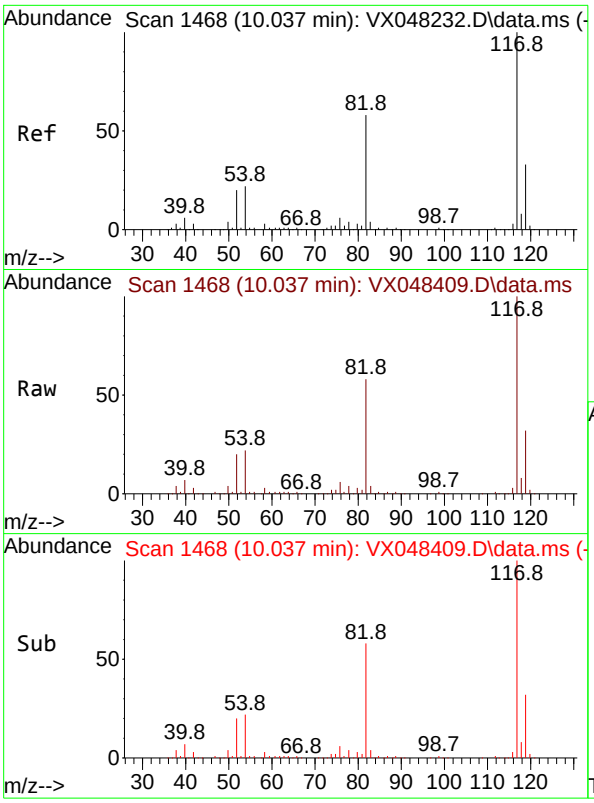


#62
4-Bromofluorobenzene
Concen: 18.546 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 95 Resp: 46359

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	147.8
176	70.6	0.0	142.8

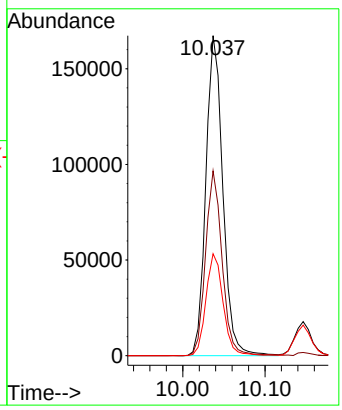




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:117 Resp: 23995

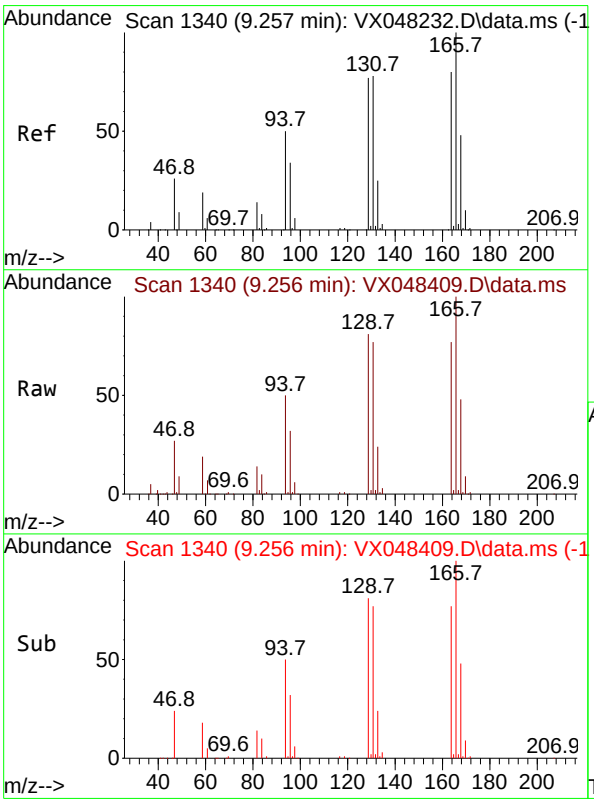
Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.5	69.7
119	31.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

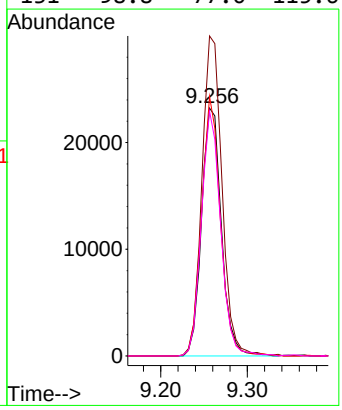
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

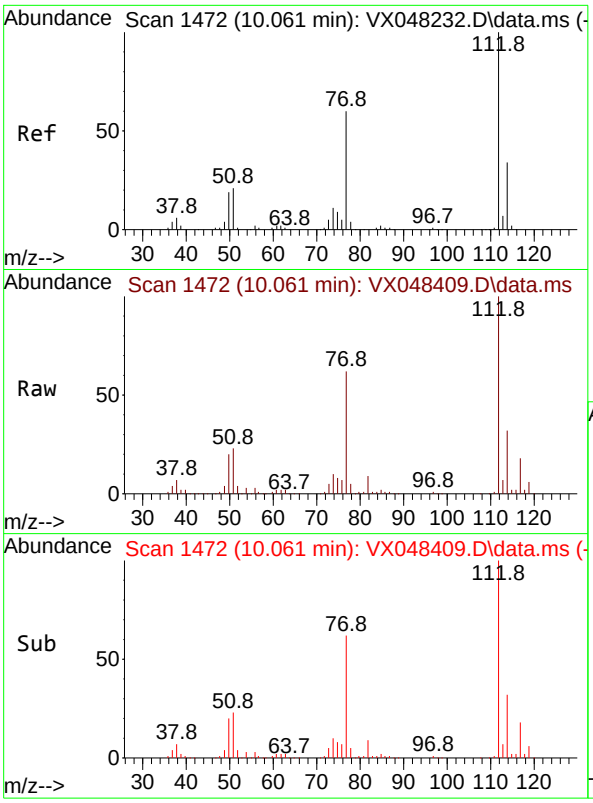


#64
Tetrachloroethene
Concen: 19.095 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:164 Resp: 36898

Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.5	156.7
129	104.7	81.8	122.6
131	98.8	77.0	115.6

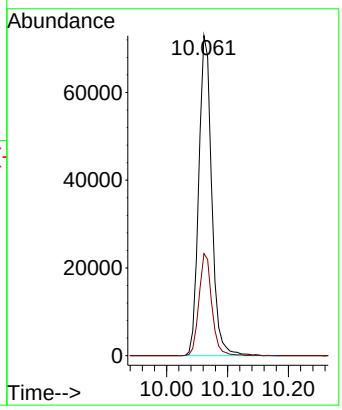




#65
Chlorobenzene
Concen: 19.419 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:112 Resp: 10734

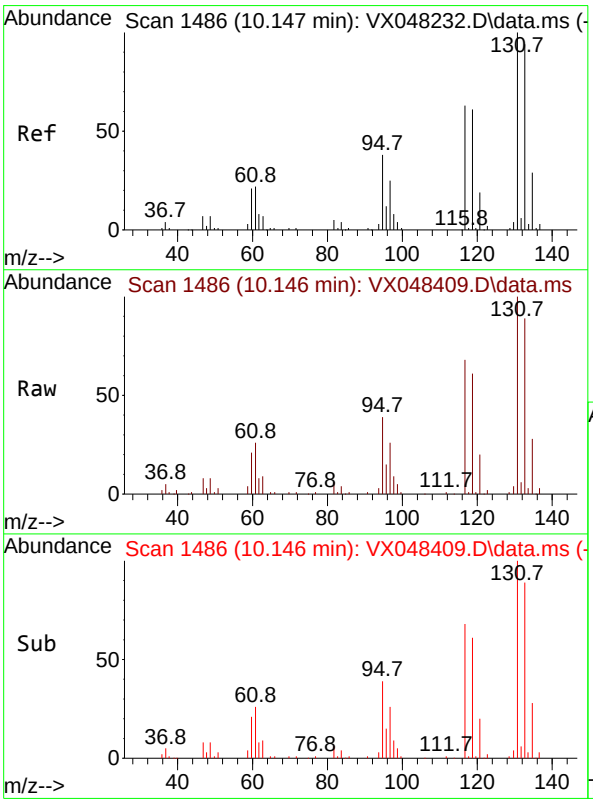
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

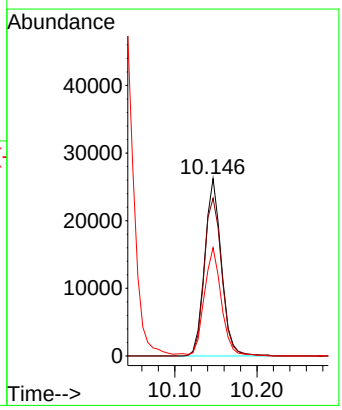
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

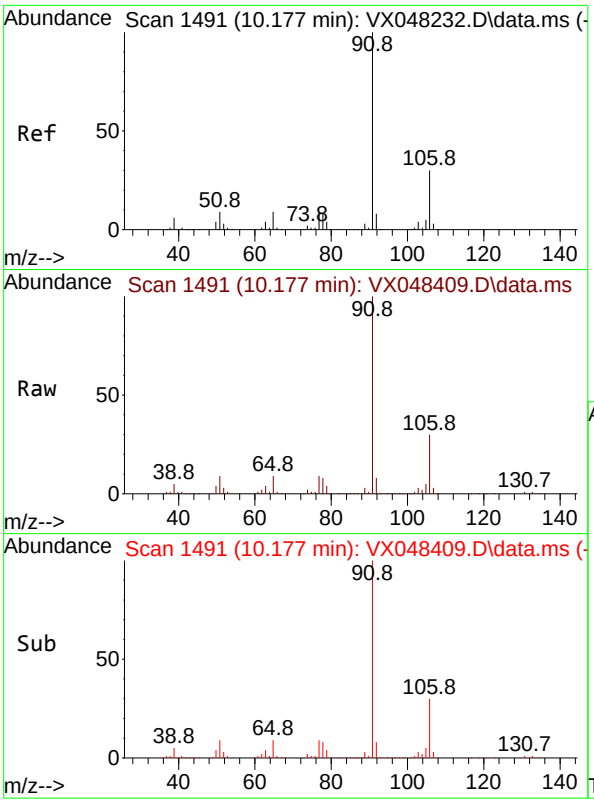


#66
1,1,1,2-Tetrachloroethane
Concen: 19.709 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:131 Resp: 37061

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.6	142.8
119	62.2	32.5	97.5

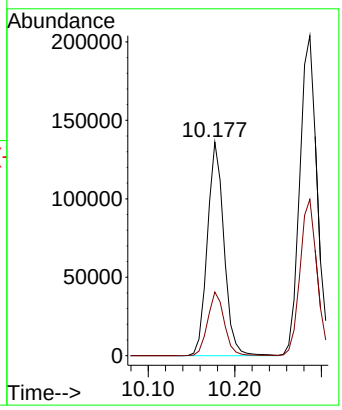




#67
Ethyl Benzene
Concen: 19.472 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 91 Resp: 18123

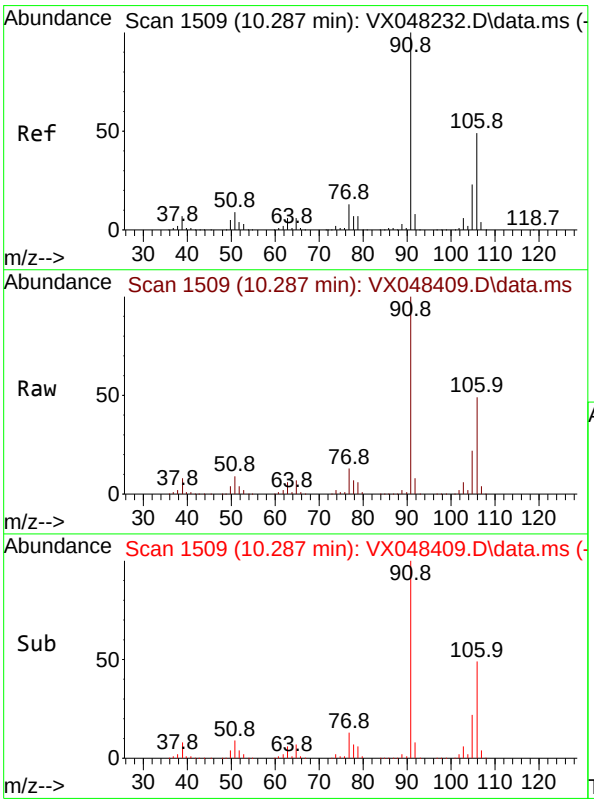
Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

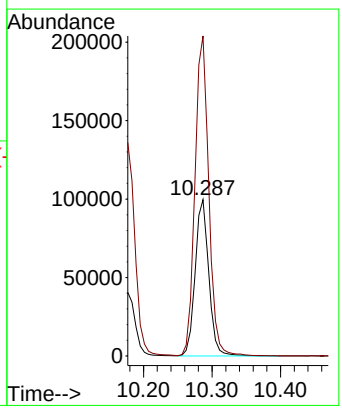
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

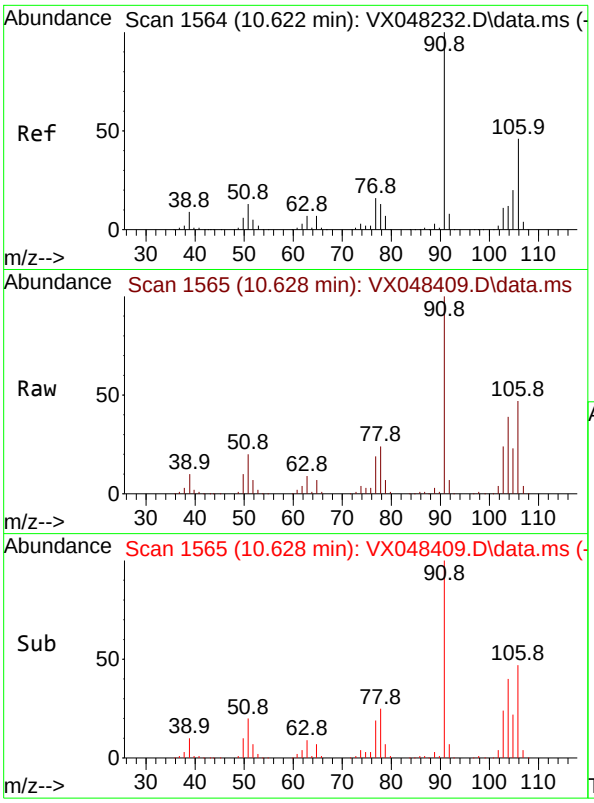


#68
m/p-Xylenes
Concen: 39.097 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:106 Resp: 137786

Ion	Ratio	Lower	Upper
106	100		
91	207.4	167.9	251.9

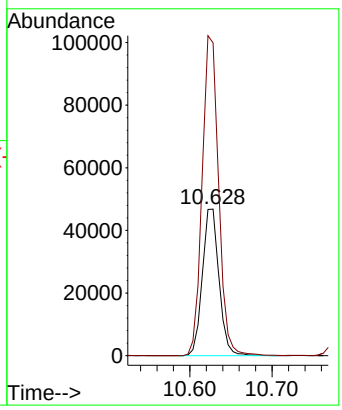




#69
o-Xylene
Concen: 19.564 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:106 Resp: 6588

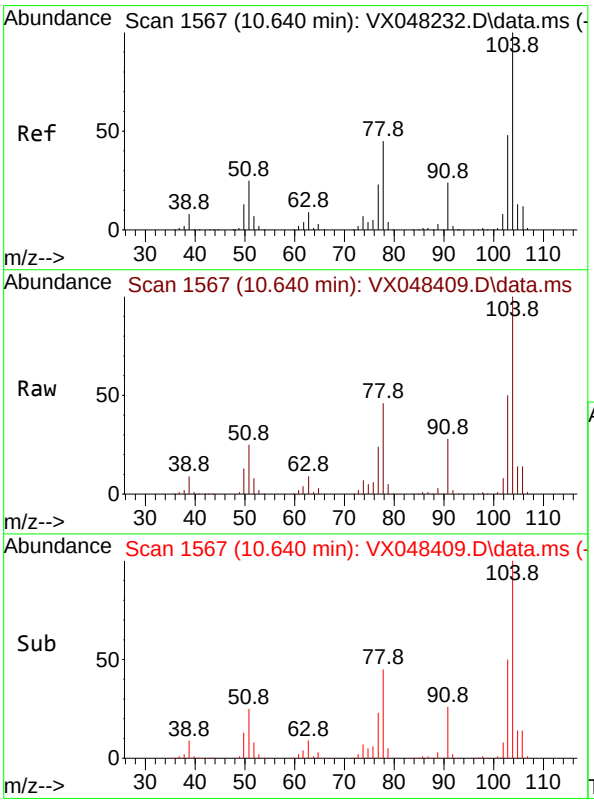
Ion	Ratio	Lower	Upper
106	100		
91	216.4	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

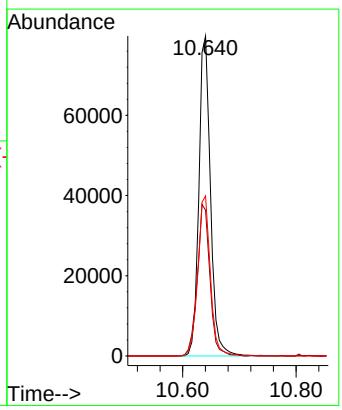
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

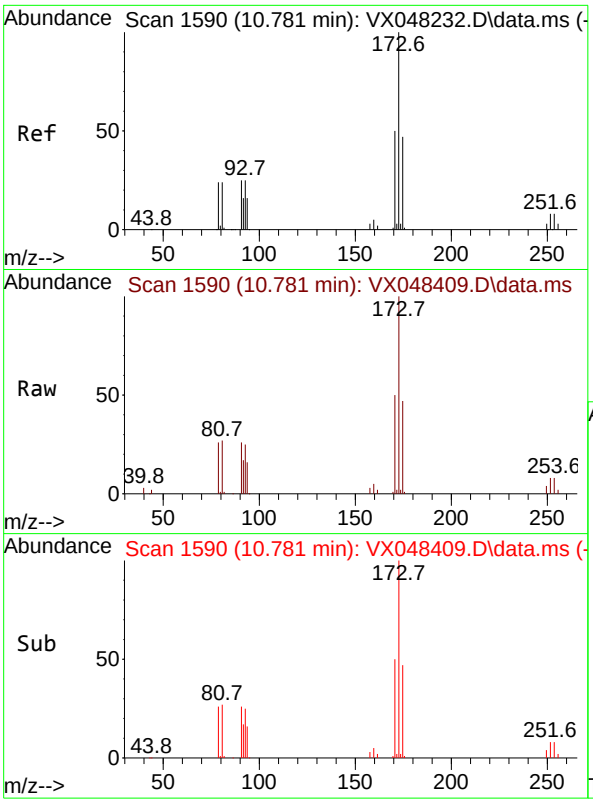


#70
Styrene
Concen: 19.850 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:104 Resp: 113244

Ion	Ratio	Lower	Upper
104	100		
78	51.6	42.2	63.4
103	54.1	43.0	64.4





#71
Bromoform
Concen: 18.858 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

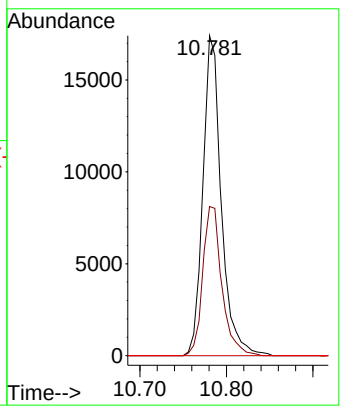
Tgt Ion:173 Resp: 2565

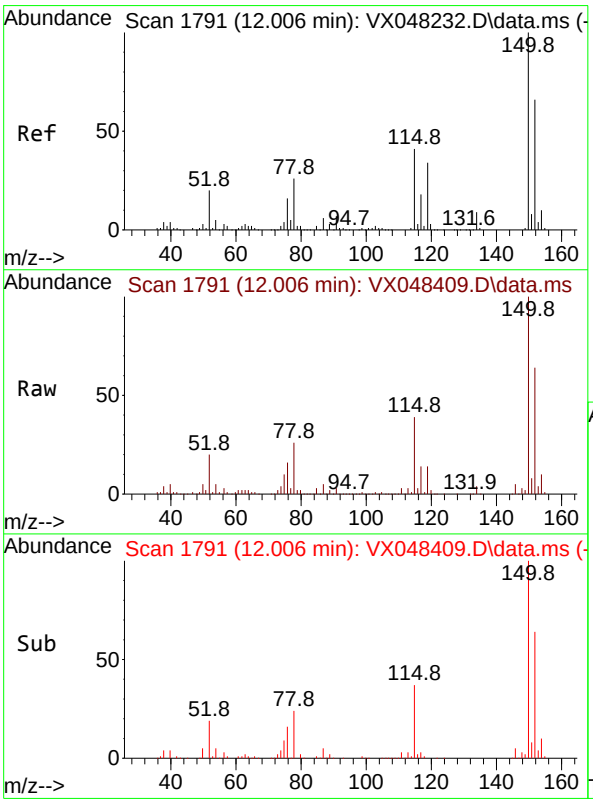
Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

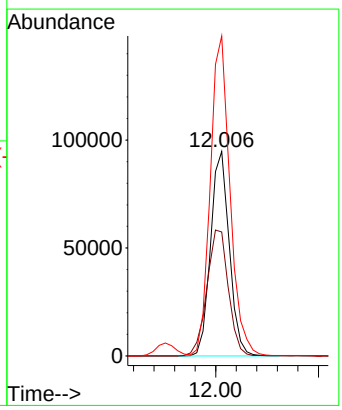


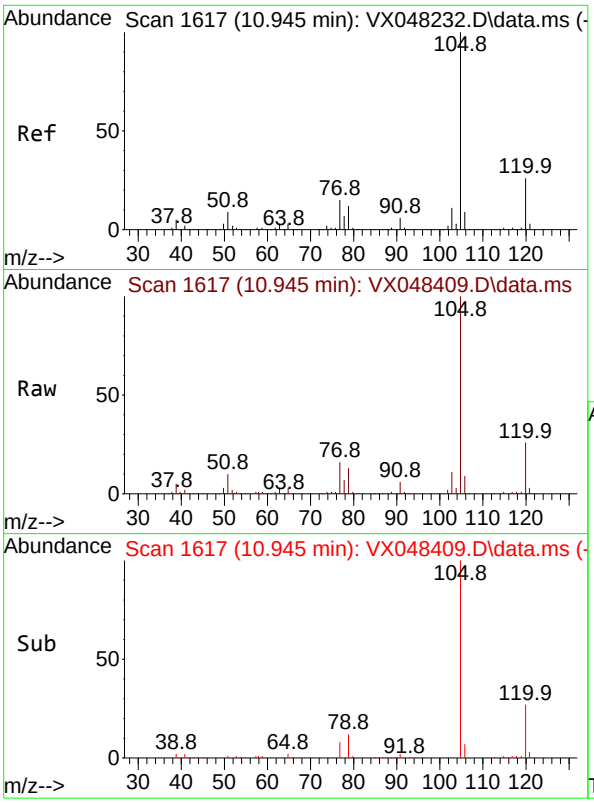


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:152 Resp: 119721

Ion	Ratio	Lower	Upper
152	100		
115	70.8	43.1	129.4
150	164.1	0.0	353.0

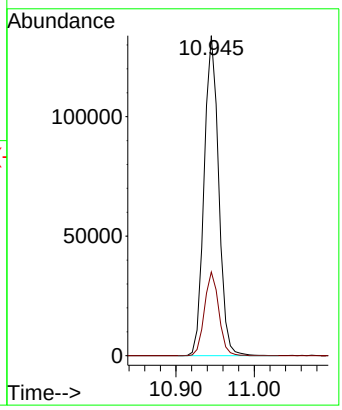




#73
Isopropylbenzene
Concen: 19.426 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:105 Resp: 17201

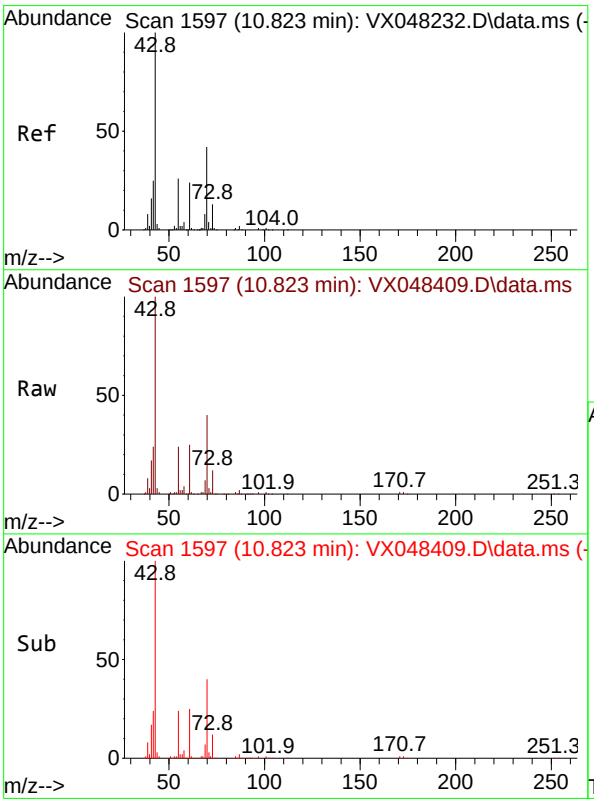
Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

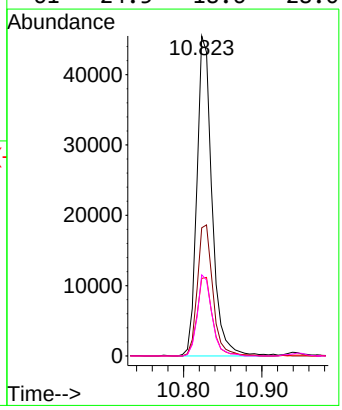
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

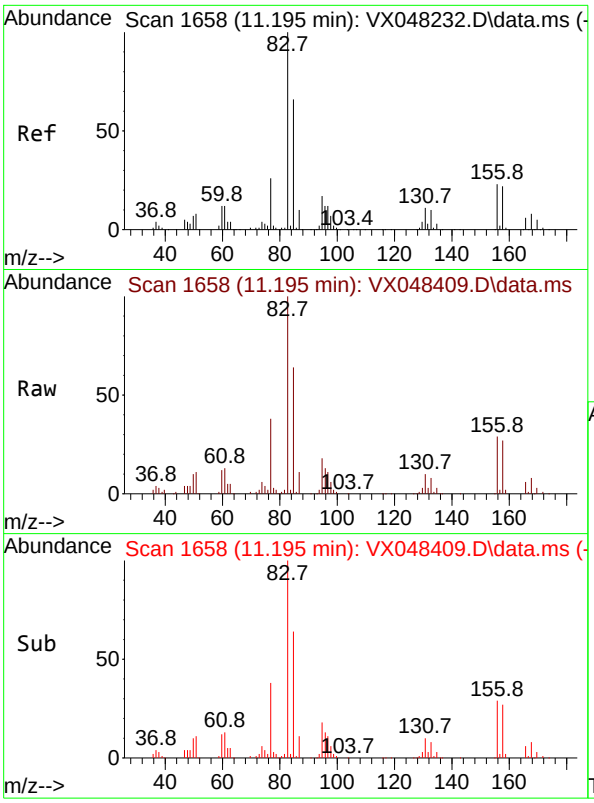


#74
N-amyl acetate
Concen: 19.415 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 43 Resp: 61330

Ion	Ratio	Lower	Upper
43	100		
70	41.6	32.2	48.2
55	25.1	19.1	28.7
61	24.5	18.6	28.0

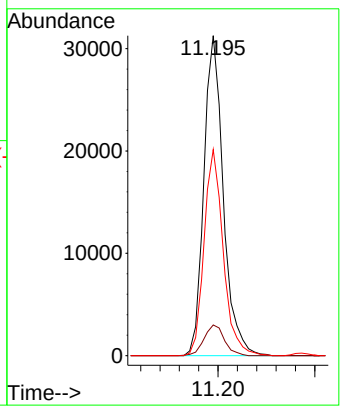




#75
1,1,2,2-Tetrachloroethane
Concen: 19.513 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 83 Resp: 4376

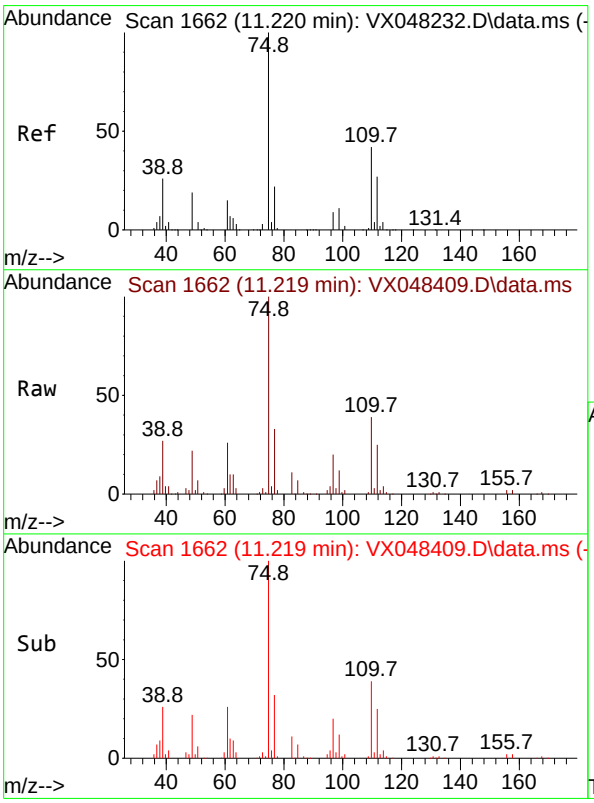
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.8	14.4
85	63.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

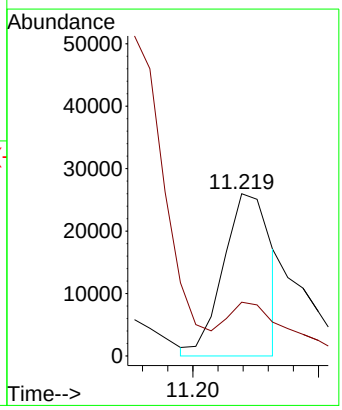
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

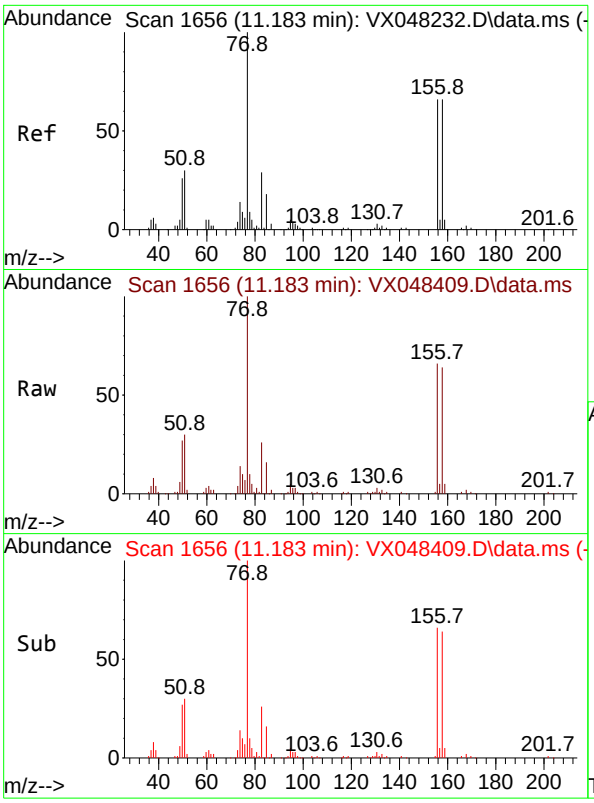


#76
1,2,3-Trichloropropane
Concen: 18.164 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 75 Resp: 33917

Ion	Ratio	Lower	Upper
75	100		
77	43.4	22.4	67.2

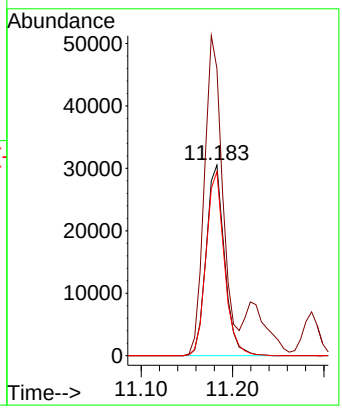




#77
Bromobenzene
Concen: 19.402 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:156 Resp: 4244

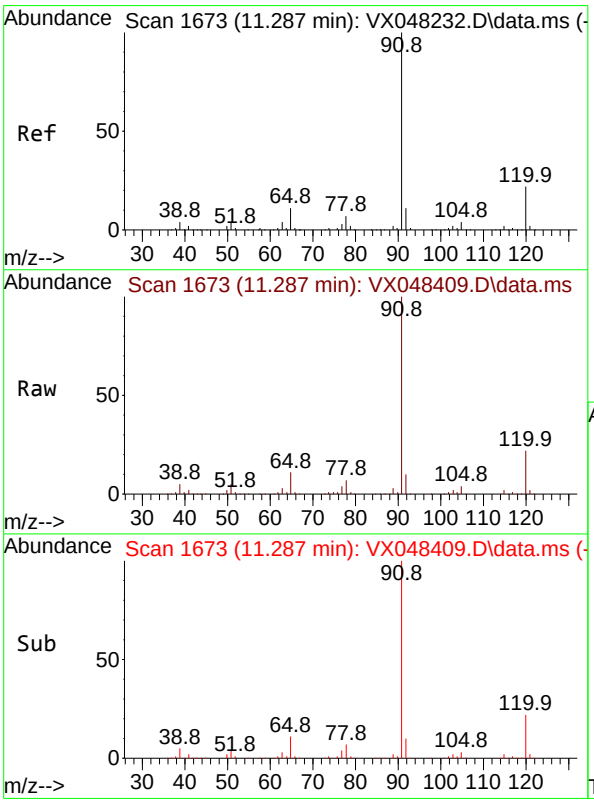
Ion	Ratio	Lower	Upper
156	100		
77	167.4	87.0	261.0
158	96.4	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

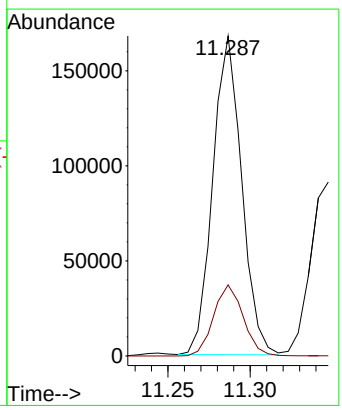
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

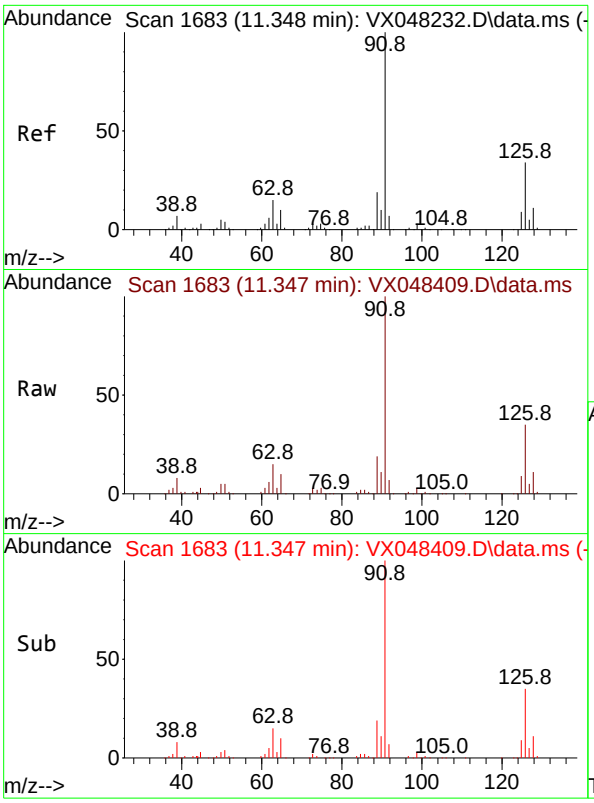


#78
n-propylbenzene
Concen: 19.503 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 91 Resp: 204115

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.1	33.1





#79
2-Chlorotoluene
Concen: 19.346 ug/l
RT: 11.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

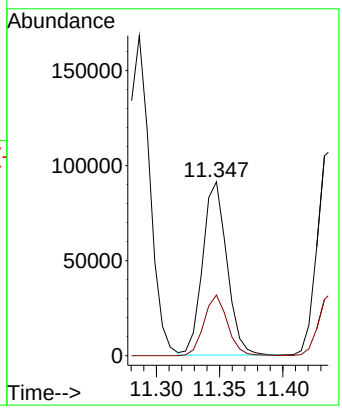
Tgt Ion: 91 Resp: 12156

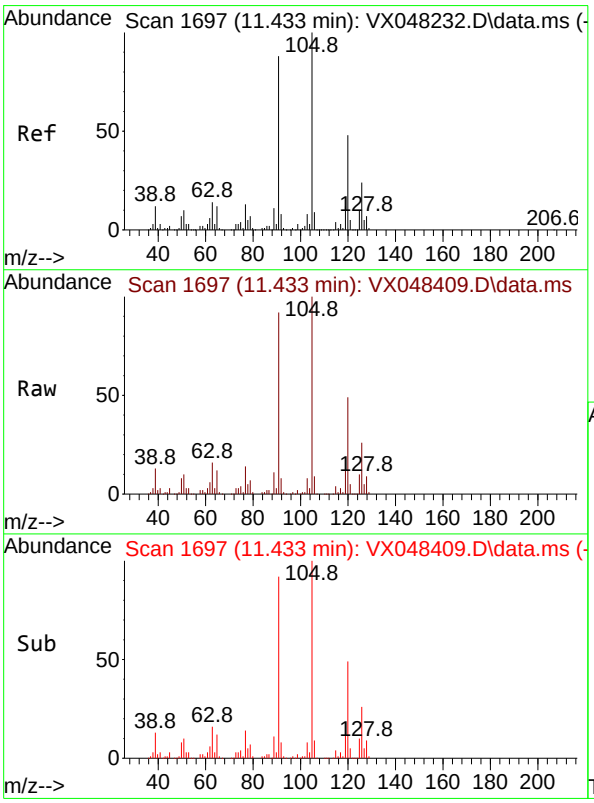
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

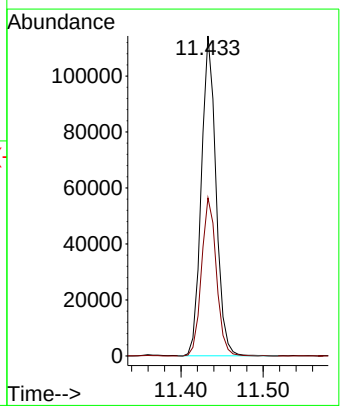


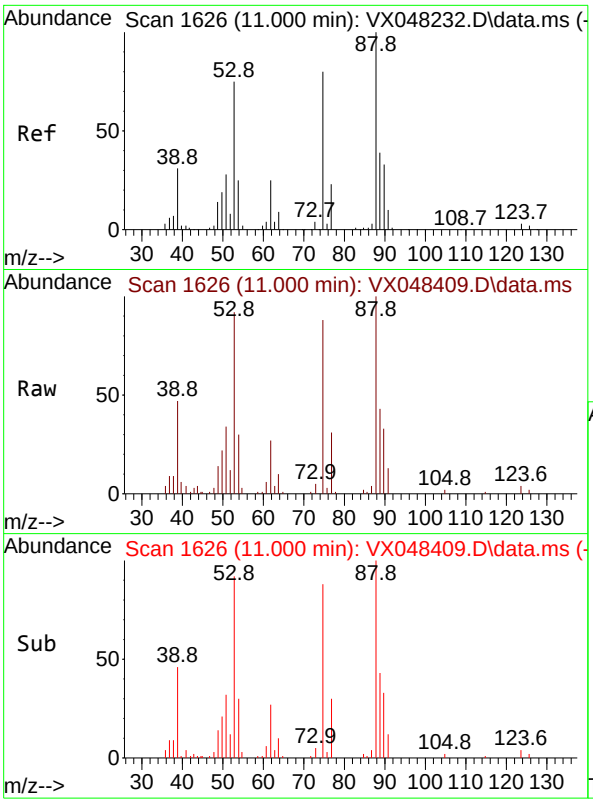


#80
1,3,5-Trimethylbenzene
Concen: 19.449 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:105 Resp: 141180

Ion	Ratio	Lower	Upper
105	100		
120	50.3	24.0	72.0

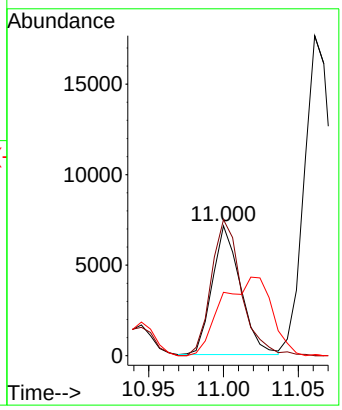




#81
trans-1,4-Dichloro-2-butene
Concen: 18.799 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 75 Resp: 935

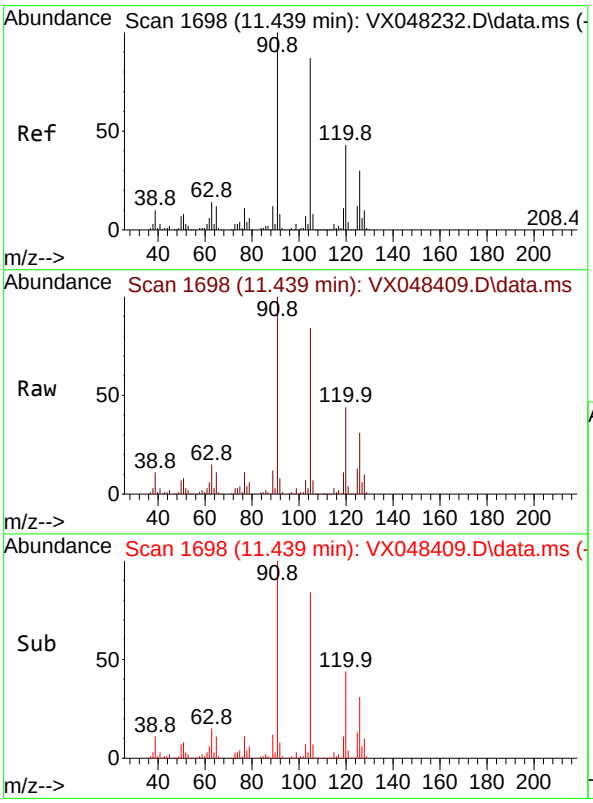
Ion	Ratio	Lower	Upper
75	100		
53	112.8	79.5	119.3
89	107.9	36.8	55.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

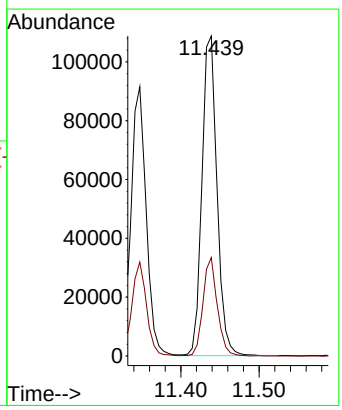
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

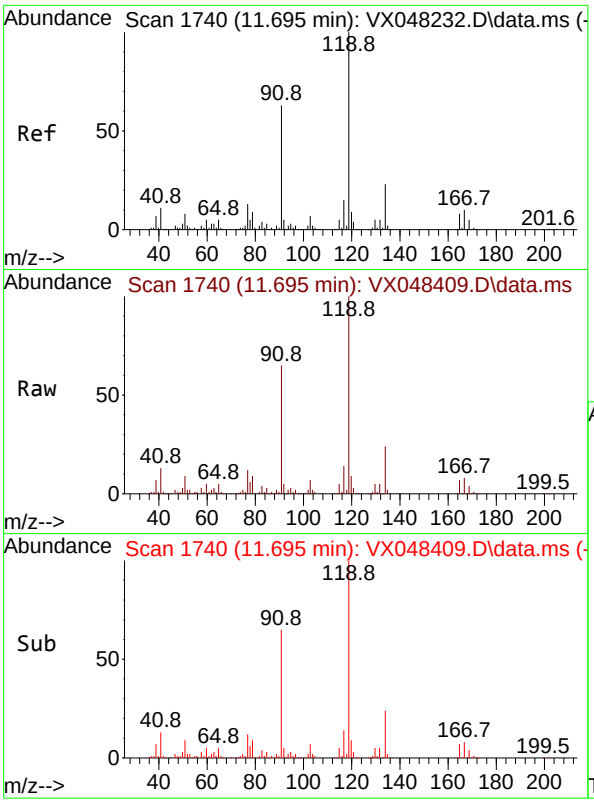


#82
4-Chlorotoluene
Concen: 19.597 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 91 Resp: 144766

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

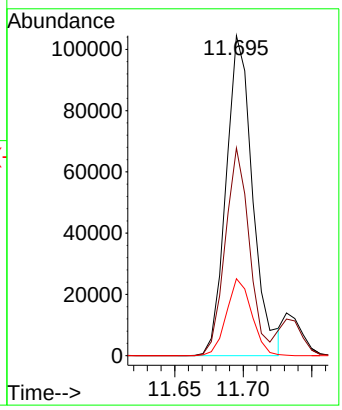




#83
tert-Butylbenzene
Concen: 19.084 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:119 Resp: 14103

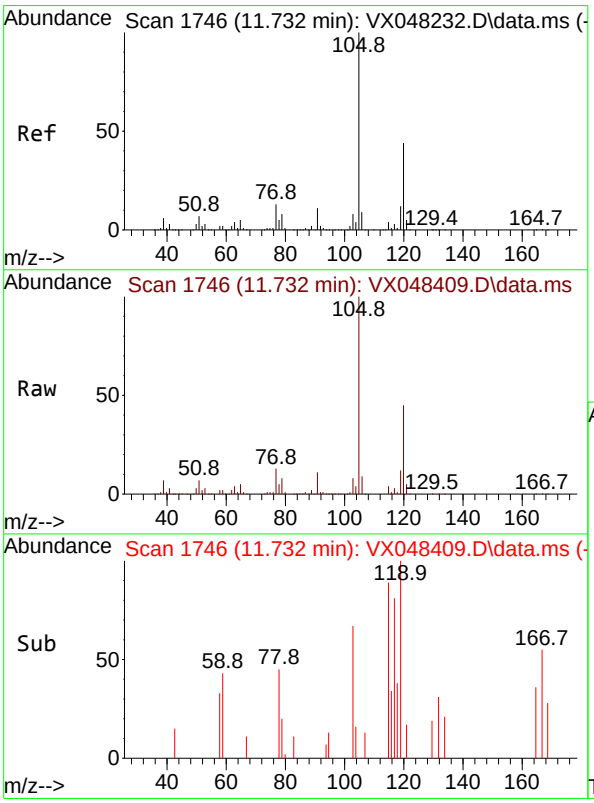
Ion	Ratio	Lower	Upper
119	100		
91	59.2	30.3	91.0
134	22.9	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

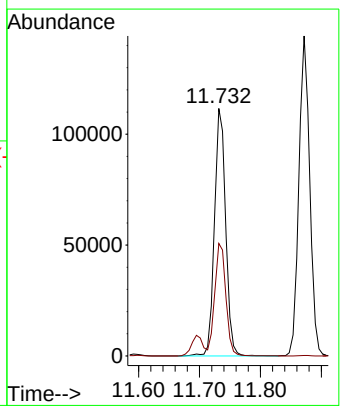
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

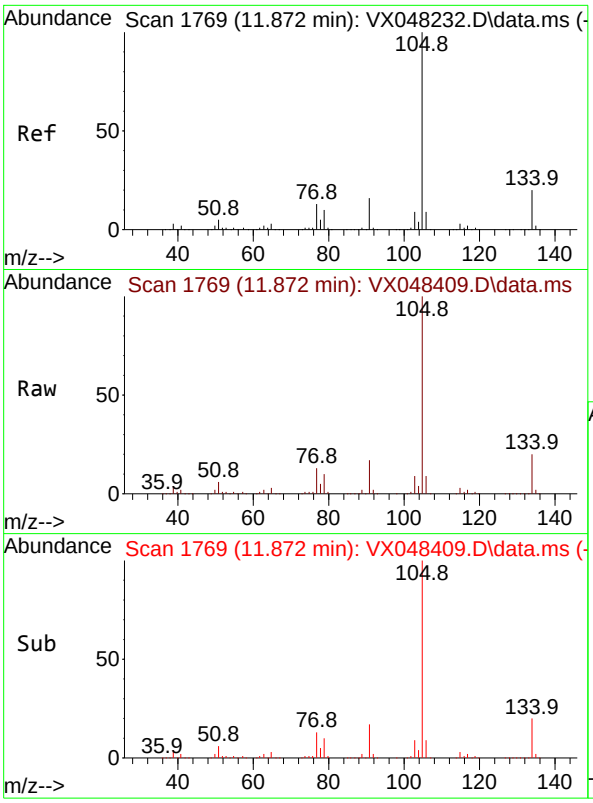


#84
1,2,4-Trimethylbenzene
Concen: 19.826 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:105 Resp: 142497

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.1	66.5

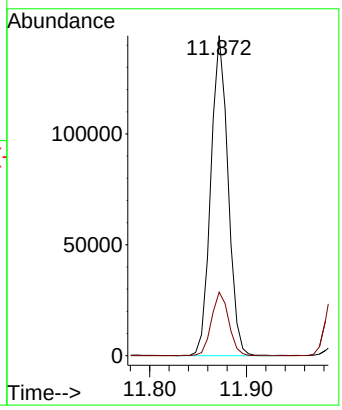




#85
sec-Butylbenzene
Concen: 19.383 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:105 Resp: 17847

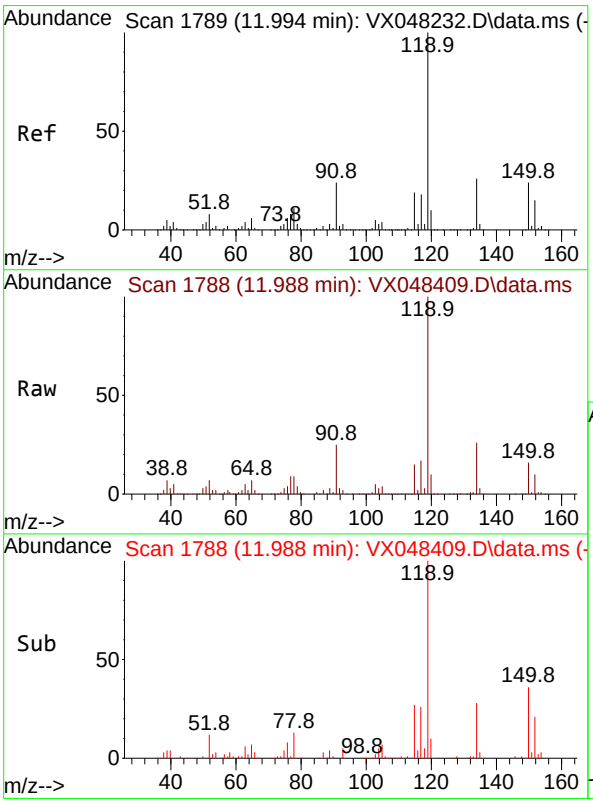
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

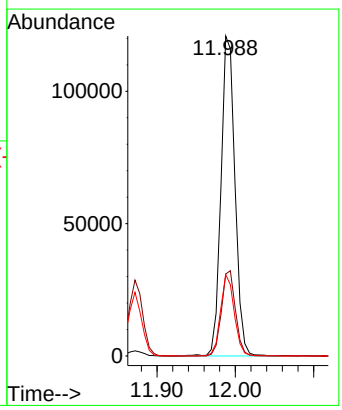
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

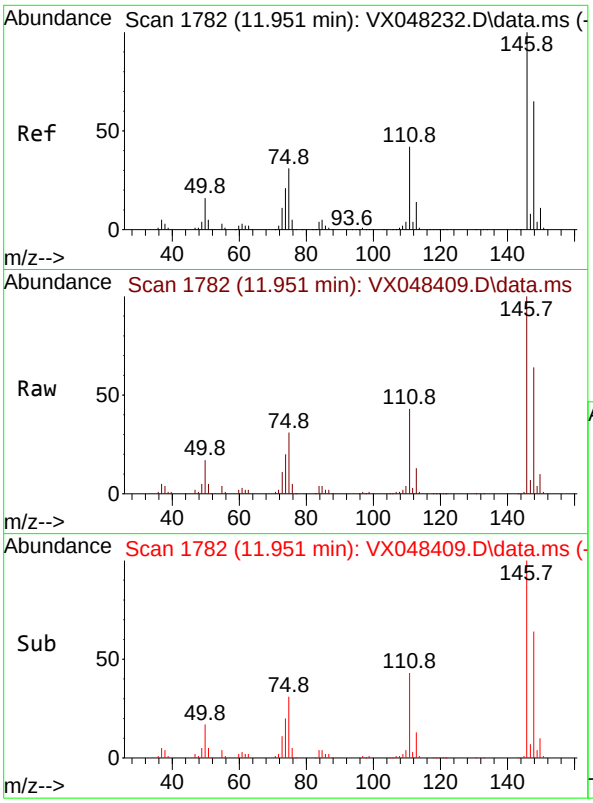


#86
p-Isopropyltoluene
Concen: 19.347 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:119 Resp: 150606

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	39.0
91	24.9	12.1	36.3

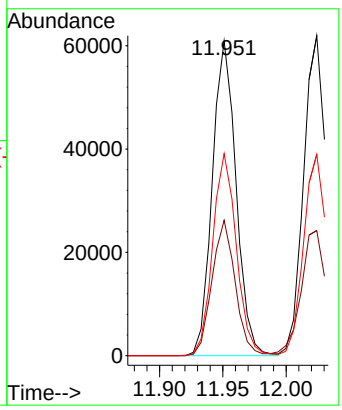




#87
1,3-Dichlorobenzene
Concen: 19.034 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:146 Resp: 7951

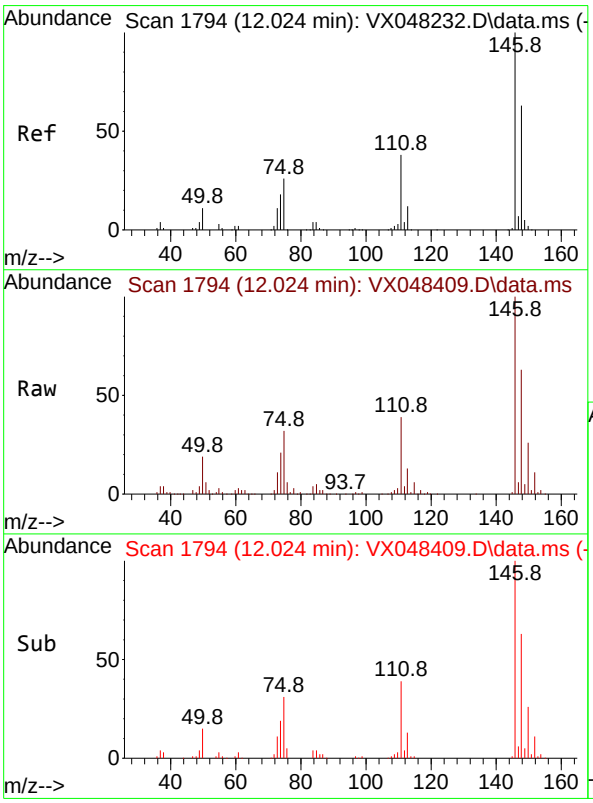
Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.2
148	64.0	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

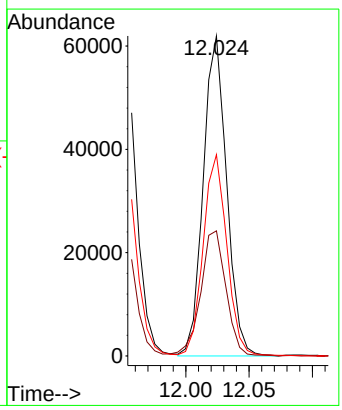
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

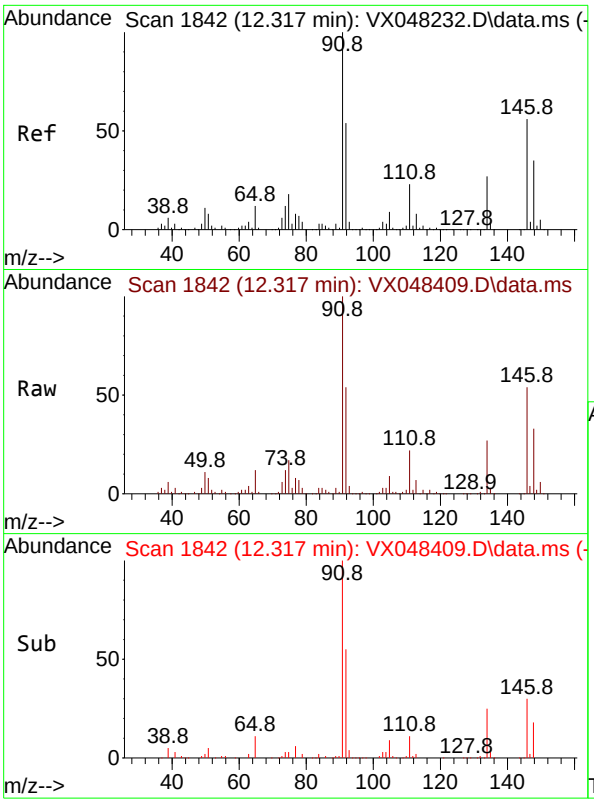


#88
1,4-Dichlorobenzene
Concen: 18.755 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:146 Resp: 79800

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.1	60.2
148	63.9	31.8	95.3

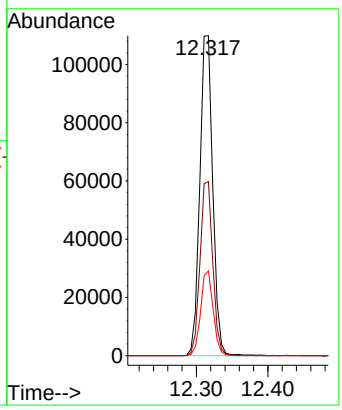




#89
n-Butylbenzene
Concen: 18.912 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 91 Resp: 13822

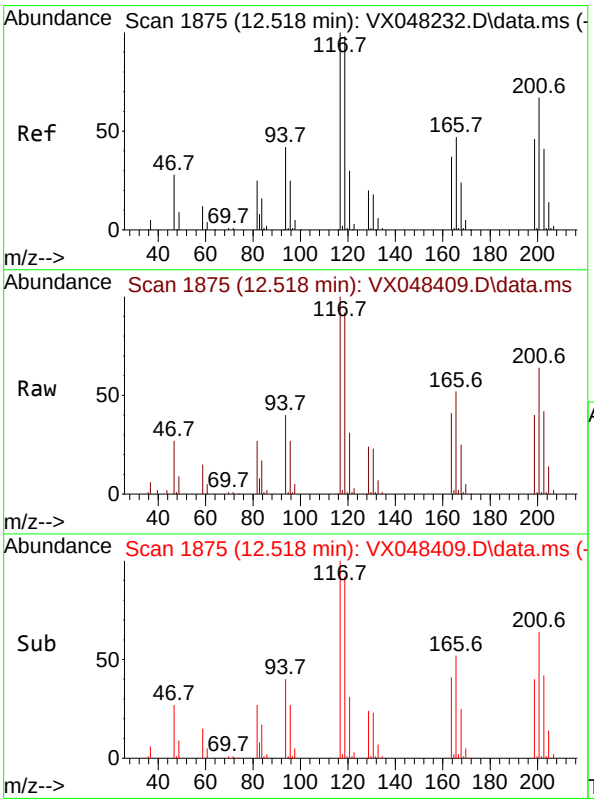
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.6
134	25.6	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

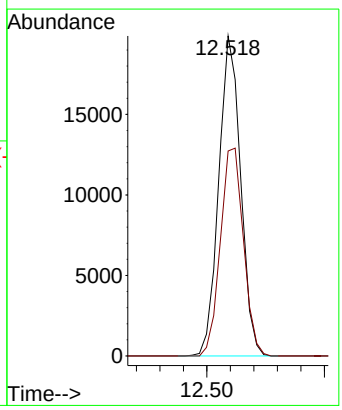
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

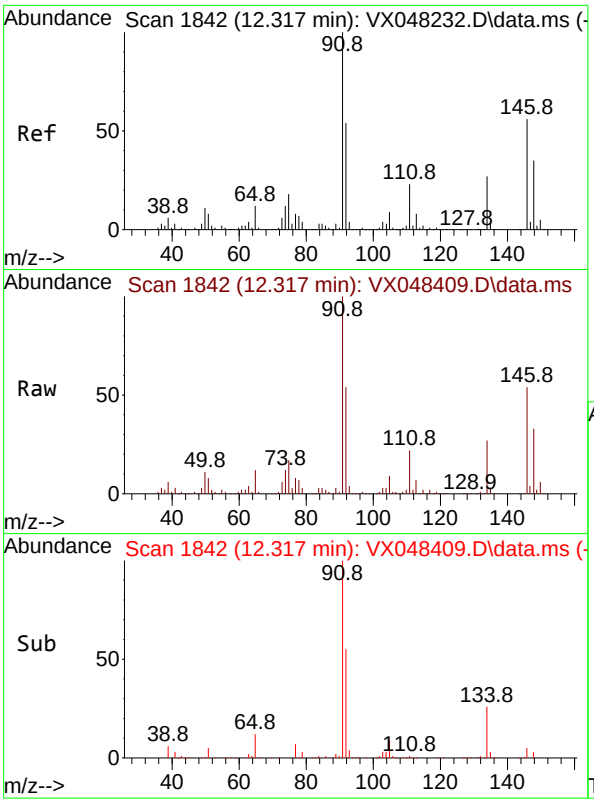


#90
Hexachloroethane
Concen: 18.786 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:117 Resp: 25696

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.1	102.2

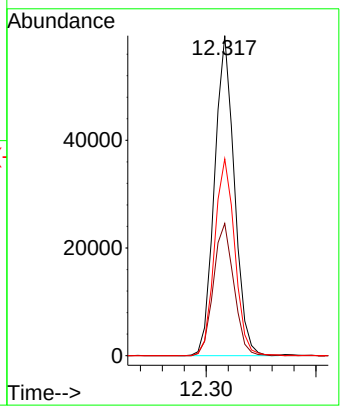




#91
1,2-Dichlorobenzene
Concen: 19.356 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:146 Resp: 7493

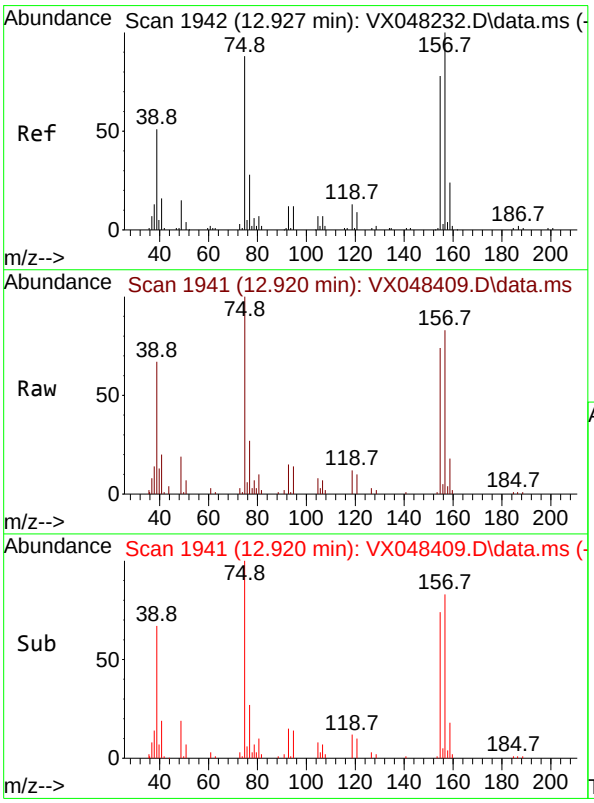
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.9	65.5
148	62.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

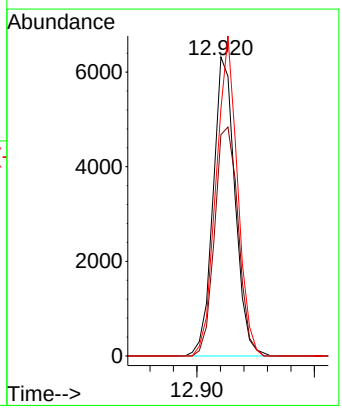
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

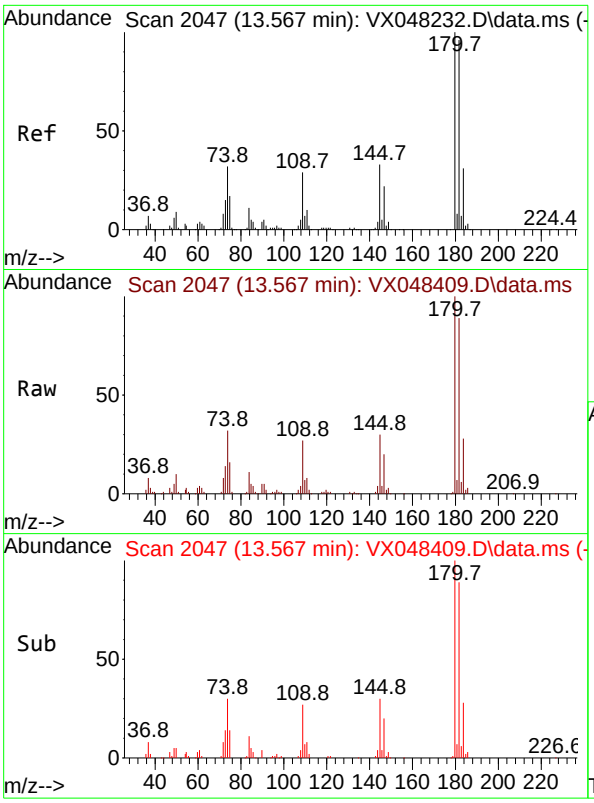


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.693 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion: 75 Resp: 8210

Ion	Ratio	Lower	Upper
75	100		
155	82.2	42.8	128.4
157	103.7	54.2	162.6

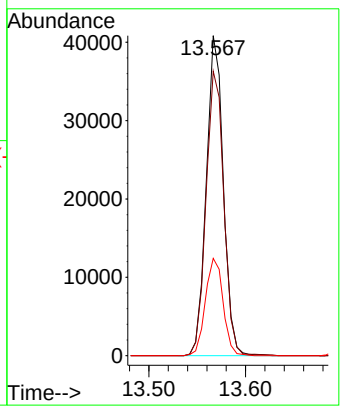




#93
1,2,4-Trichlorobenzene
Concen: 18.742 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:180 Resp: 5006

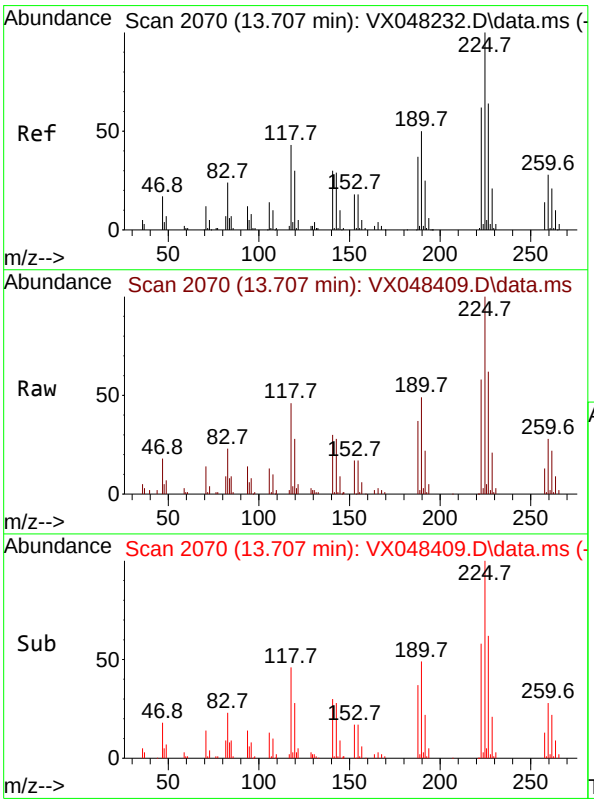
Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	142.0
145	31.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

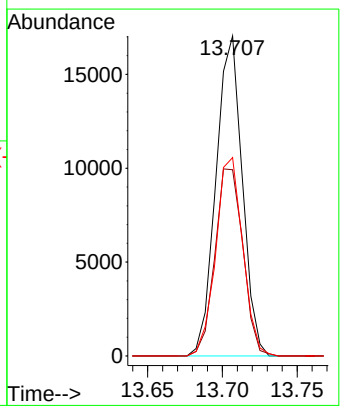
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

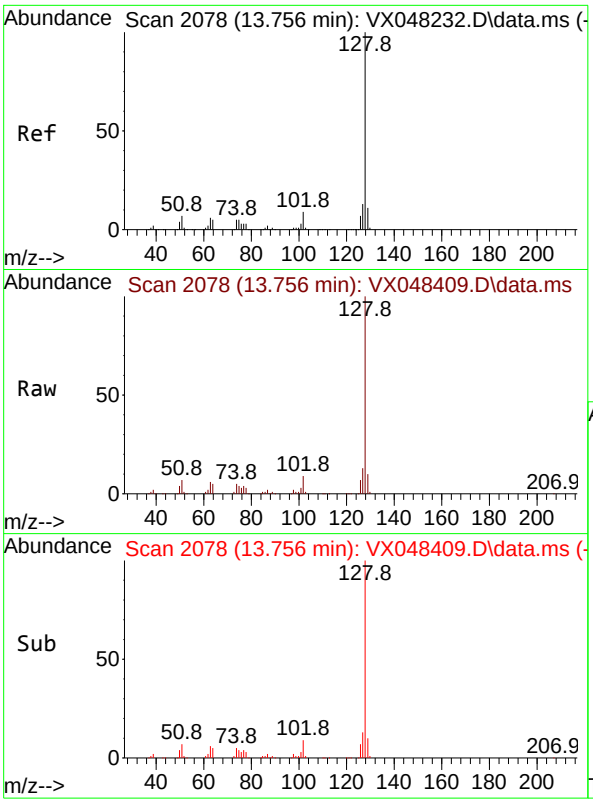


#94
Hexachlorobutadiene
Concen: 18.610 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:225 Resp: 20853

Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.6	97.7
227	63.5	32.5	97.4

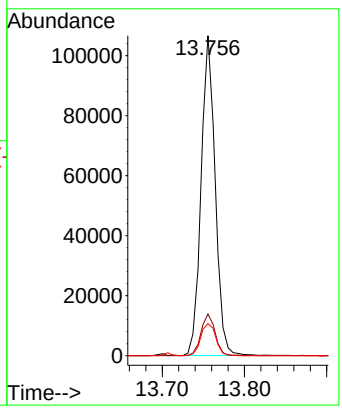




#95
Naphthalene
Concen: 18.777 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:128 Resp: 12667

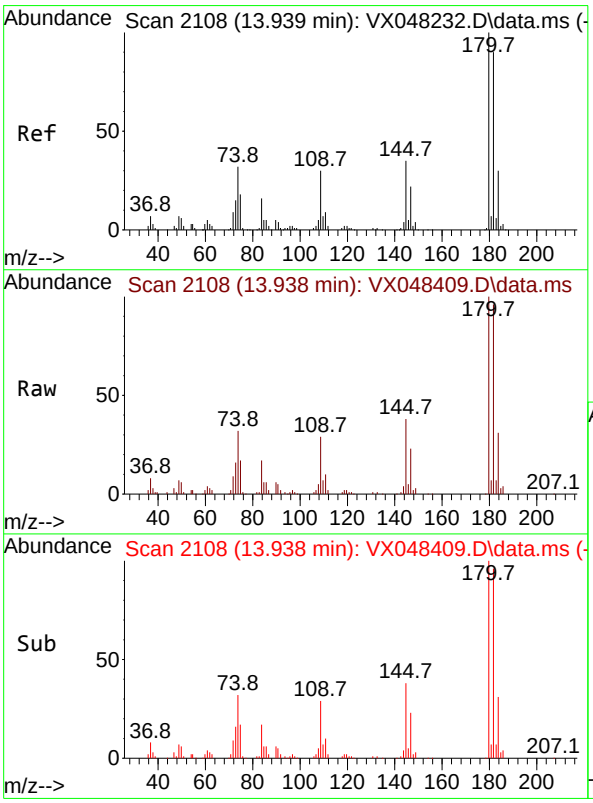
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

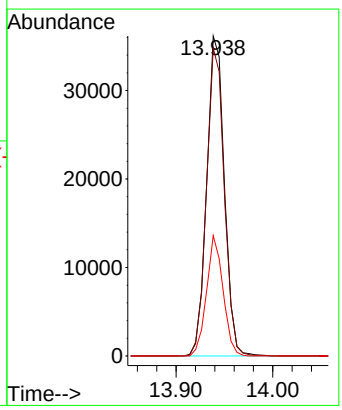
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.895 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048409.D
Acq: 29 Oct 2025 12:01

Tgt Ion:180 Resp: 45847

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.6	139.7
145	35.2	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048410.D
Acq On : 29 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	159631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	260667	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	228116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107543	46.845	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.680%			
35) Dibromofluoromethane	5.373	113	71844	48.342	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.680%			
50) Toluene-d8	8.635	98	318405	48.535	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.080%			
62) 4-Bromofluorobenzene	11.061	95	116328	47.402	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	86054	52.848	ug/l	97
3) Chloromethane	1.300	50	43331	47.166	ug/l	97
4) Vinyl Chloride	1.380	62	106317	50.098	ug/l	99
5) Bromomethane	1.617	94	38607	50.360	ug/l	98
6) Chloroethane	1.697	64	62479	49.505	ug/l	95
7) Trichlorofluoromethane	1.898	101	165341	50.842	ug/l	98
8) Diethyl Ether	2.136	74	55774	47.453	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	93996	51.385	ug/l	98
10) Methyl Iodide	2.459	142	349838	47.561	ug/l	98
11) Tert butyl alcohol	2.940	59	42207	239.969	ug/l	99
12) 1,1-Dichloroethene	2.325	96	92758	49.922	ug/l	97
13) Acrolein	2.233	56	89237	243.066	ug/l	100
14) Allyl chloride	2.666	41	149275	47.441	ug/l	98
15) Acrylonitrile	3.056	53	196801	245.957	ug/l	98
16) Acetone	2.373	43	126696	243.498	ug/l	97
17) Carbon Disulfide	2.520	76	267528	50.216	ug/l	99
18) Methyl Acetate	2.697	43	78778	45.269	ug/l	96
19) Methyl tert-butyl Ether	3.105	73	281466	47.305	ug/l	99
20) Methylene Chloride	2.788	84	95444	47.586	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	96815	49.056	ug/l	99
22) Diisopropyl ether	3.751	45	315698	49.018	ug/l	95
23) Vinyl Acetate	3.715	43	1061175	242.046	ug/l	98
24) 1,1-Dichloroethane	3.605	63	176586	48.312	ug/l	98
25) 2-Butanone	4.538	43	205263	246.945	ug/l	99
26) 2,2-Dichloropropane	4.471	77	151991	48.296	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	113692	48.269	ug/l	97
28) Bromochloromethane	4.891	49	81862	49.419	ug/l	93
29) Tetrahydrofuran	4.989	42	144735	244.506	ug/l	99
30) Chloroform	5.080	83	180495	48.005	ug/l	99
31) Cyclohexane	5.464	56	161448	50.887	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	164402	49.529	ug/l	99
36) 1,1-Dichloropropene	5.684	75	127616	51.134	ug/l	99
37) Ethyl Acetate	4.696	43	106949	50.298	ug/l	98
38) Carbon Tetrachloride	5.666	117	145824	50.606	ug/l	98
39) Methylcyclohexane	7.366	83	173232	53.976	ug/l	94
40) Benzene	6.025	78	383684	50.323	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048410.D
Acq On : 29 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 30 02:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	55968	52.257	ug/l		97
42) 1,2-Dichloroethane	6.074	62	130524	48.603	ug/l		98
43) Isopropyl Acetate	6.324	43	175181	49.902	ug/l		97
44) Trichloroethene	7.110	130	99369	49.745	ug/l		99
45) 1,2-Dichloropropane	7.415	63	94397	49.574	ug/l		99
46) Dibromomethane	7.568	93	65702	49.289	ug/l		97
47) Bromodichloromethane	7.805	83	140139	49.480	ug/l		95
48) Methyl methacrylate	7.677	41	87031	50.837	ug/l		97
49) 1,4-Dioxane	7.641	88	20607	1059.032	ug/l		95
51) 4-Methyl-2-Pentanone	8.555	43	488971	250.278	ug/l		97
52) Toluene	8.702	92	242665	50.935	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	129325	50.378	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	136550	49.371	ug/l		95
55) 1,1,2-Trichloroethane	9.134	97	84882	49.233	ug/l		98
56) Ethyl methacrylate	9.104	69	128314	50.827	ug/l		97
57) 1,3-Dichloropropane	9.293	76	148067	49.531	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	367501	244.619	ug/l		97
59) 2-Hexanone	9.415	43	327676	257.761	ug/l		98
60) Dibromochloromethane	9.506	129	106333	49.868	ug/l		100
61) 1,2-Dibromoethane	9.592	107	88957	49.875	ug/l		97
64) Tetrachloroethene	9.256	164	91666	49.898	ug/l		98
65) Chlorobenzene	10.061	112	262400	49.930	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	90376	50.557	ug/l		100
67) Ethyl Benzene	10.177	91	454961	51.416	ug/l		98
68) m/p-Xylenes	10.287	106	352803	105.303	ug/l		96
69) o-Xylene	10.622	106	166368	51.964	ug/l		95
70) Styrene	10.640	104	281789	51.956	ug/l		99
71) Bromoform	10.780	173	63992	49.485	ug/l	#	99
73) Isopropylbenzene	10.945	105	434670	51.927	ug/l		98
74) N-amyl acetate	10.823	43	154727	51.815	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.195	83	105102	49.570	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	84138m	47.668	ug/l		
77) Bromobenzene	11.183	156	103197	49.908	ug/l		98
78) n-propylbenzene	11.286	91	520109	52.571	ug/l		98
79) 2-Chlorotoluene	11.347	91	300130	50.527	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	361457	52.677	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	23520	50.010	ug/l	#	75
82) 4-Chlorotoluene	11.439	91	353680	50.648	ug/l		98
83) tert-Butylbenzene	11.695	119	363942	52.099	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	355520	52.328	ug/l		99
85) sec-Butylbenzene	11.872	105	458548	52.681	ug/l		100
86) p-Isopropyltoluene	11.988	119	388711	52.824	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	191269	48.436	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	193511	48.113	ug/l		100
89) n-Butylbenzene	12.311	91	360265	52.145	ug/l		99
90) Hexachloroethane	12.518	117	67177	51.954	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	179863	49.151	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	21148	50.936	ug/l		94
93) 1,2,4-Trichlorobenzene	13.567	180	125804	49.820	ug/l		98
94) Hexachlorobutadiene	13.707	225	54413	51.371	ug/l		97
95) Naphthalene	13.756	128	332133	52.079	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	116883	50.959	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048410.D
Acq On : 29 Oct 2025 12:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

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

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

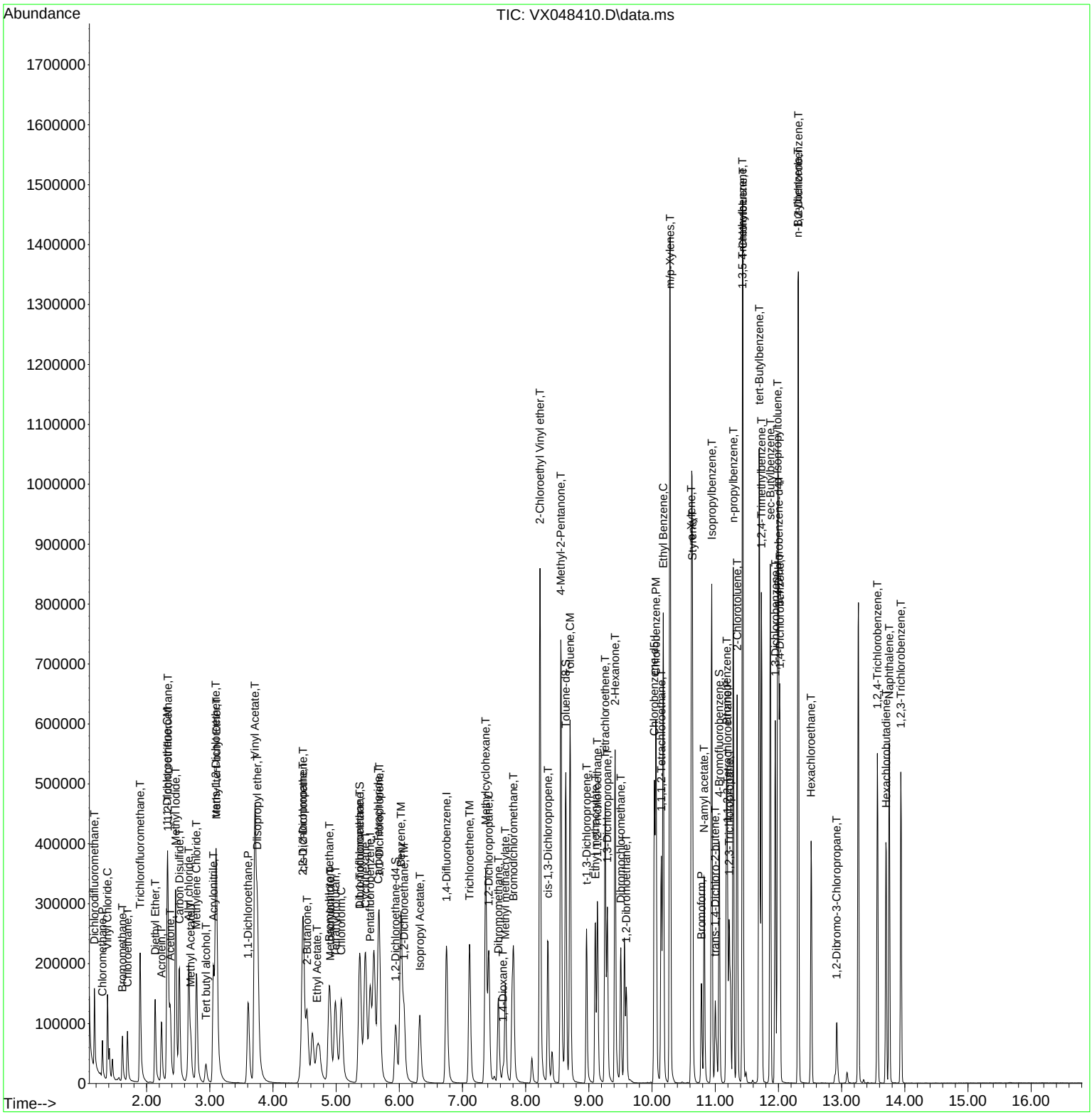
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Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

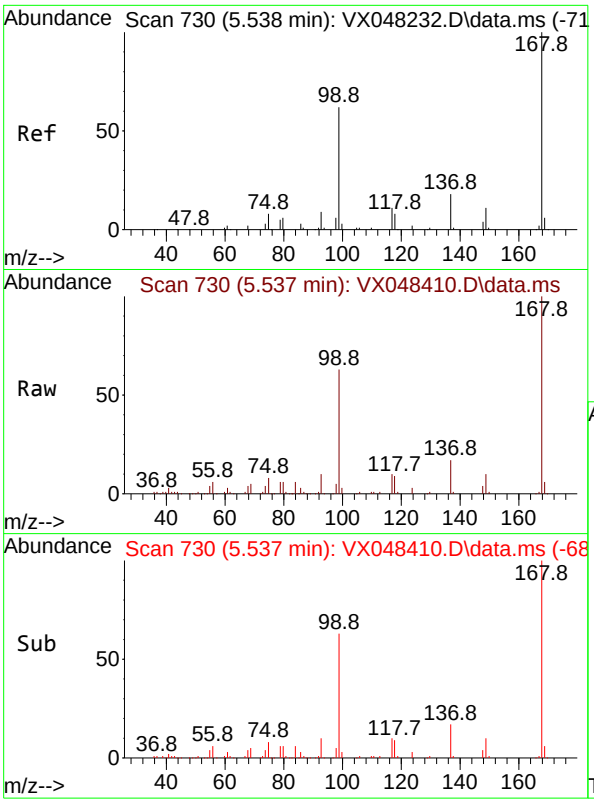
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Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

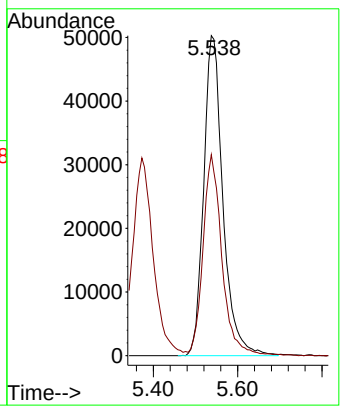




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:168 Resp: 15963

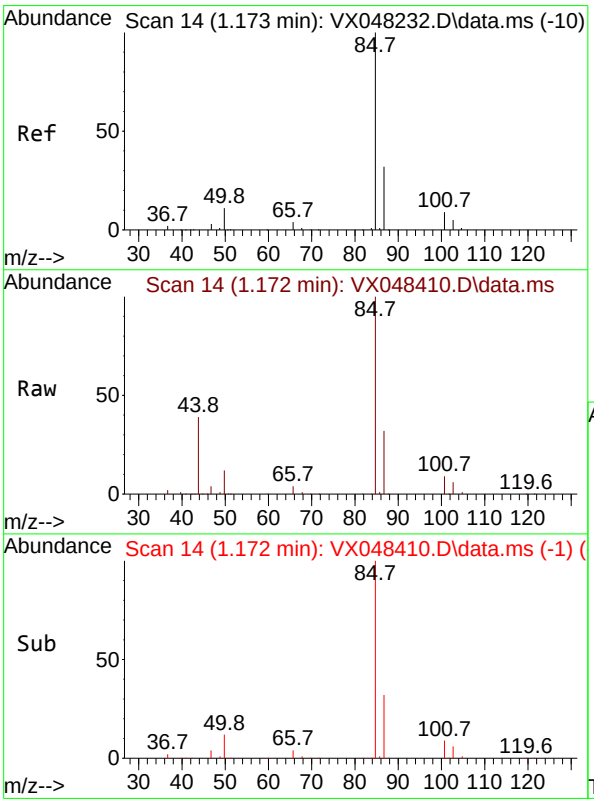
Ion	Ratio	Lower	Upper
168	100		
99	62.4	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

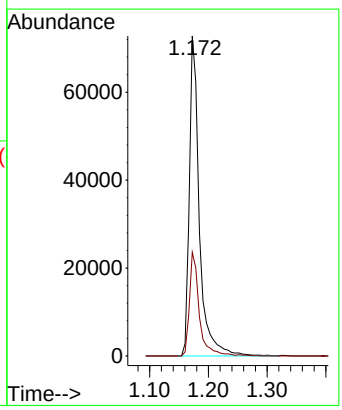
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

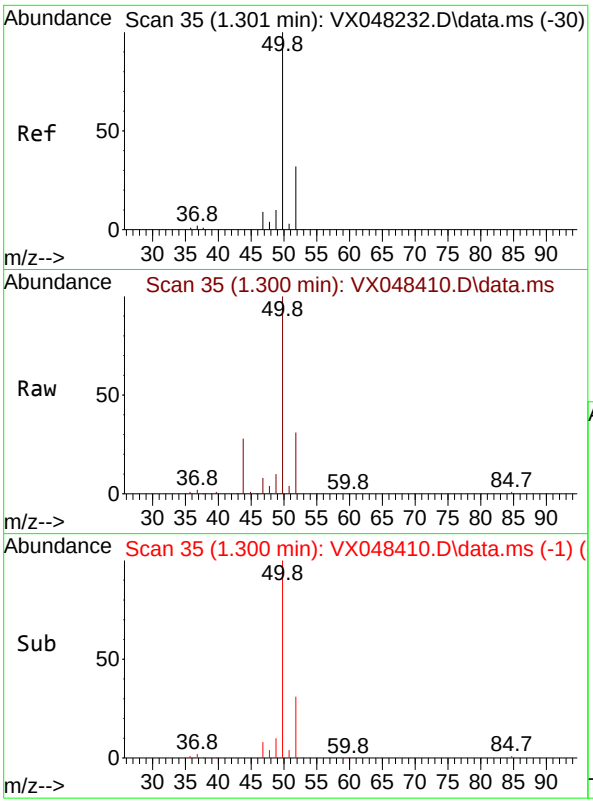


#2
Dichlorodifluoromethane
Concen: 52.848 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 85 Resp: 86054

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.3	45.9

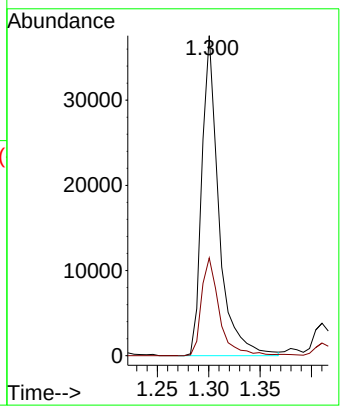




#3
Chloromethane
Concen: 47.166 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 50 Resp: 4333

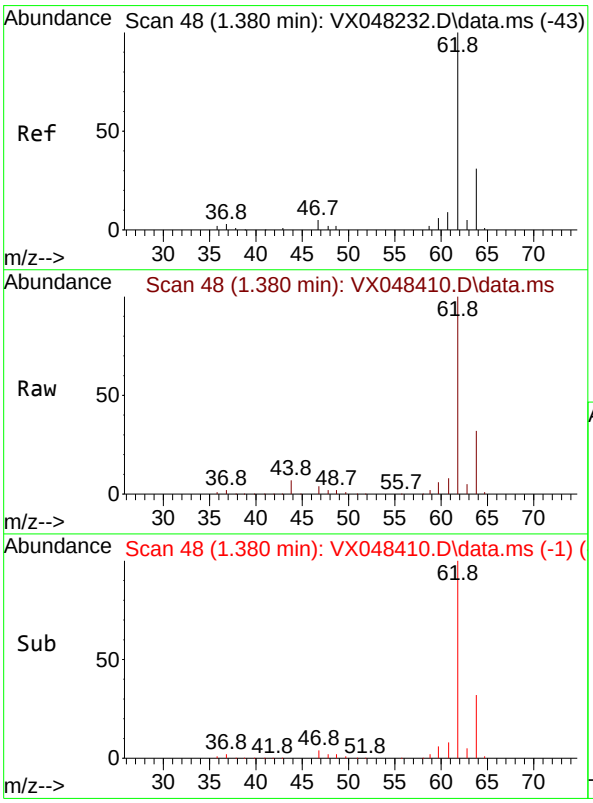
Ion	Ratio	Lower	Upper
50	100		
52	30.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

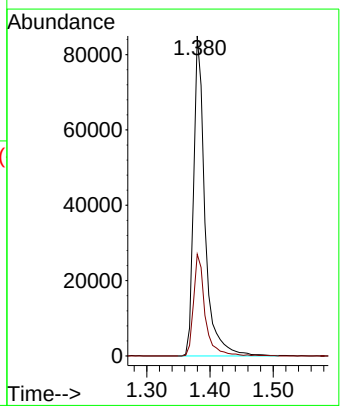
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

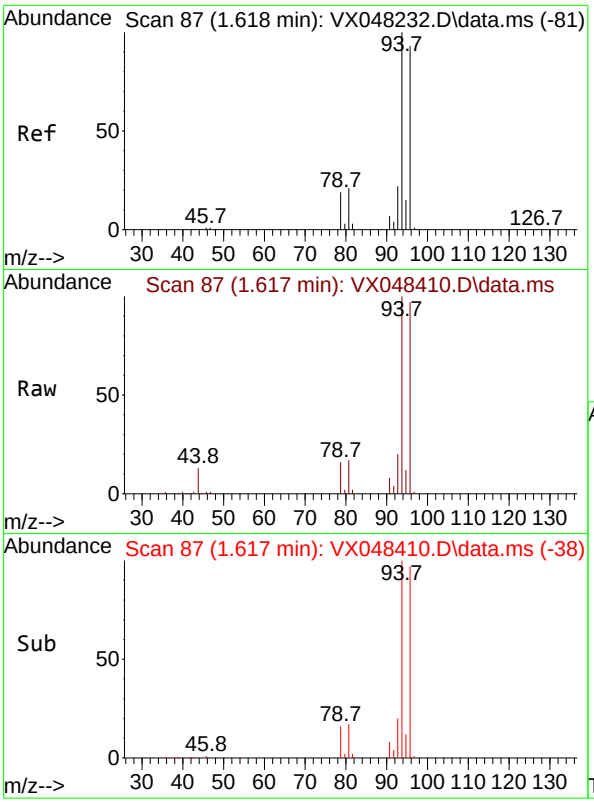


#4
Vinyl Chloride
Concen: 50.098 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 62 Resp: 106317

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.1	37.7

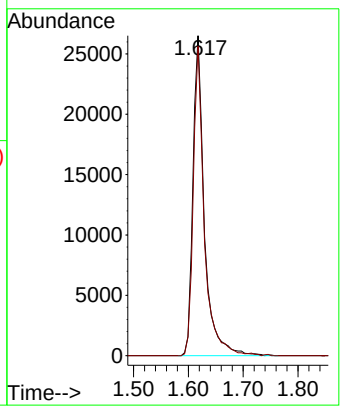




#5
Bromomethane
Concen: 50.360 ug/l
RT: 1.617 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 94 Resp: 3860

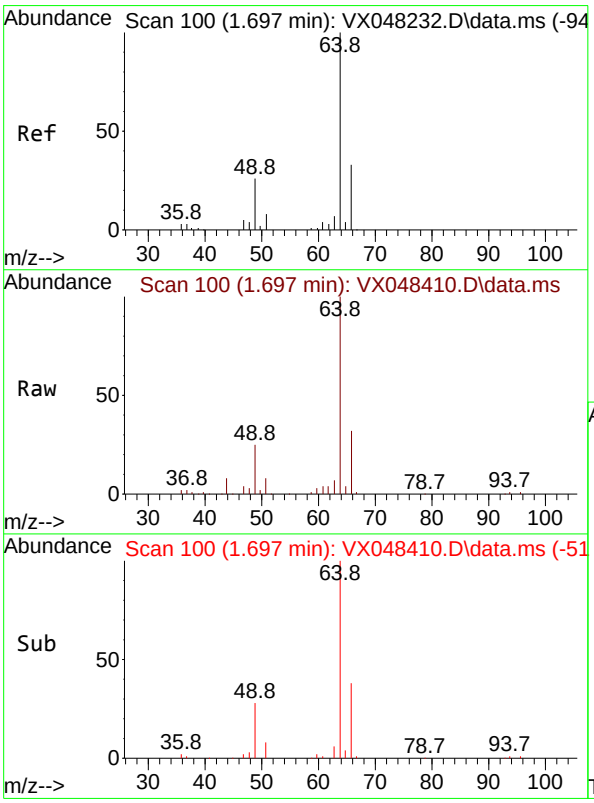
Ion	Ratio	Lower	Upper
94	100		
96	96.7	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

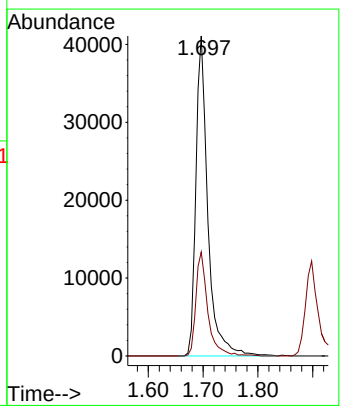
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

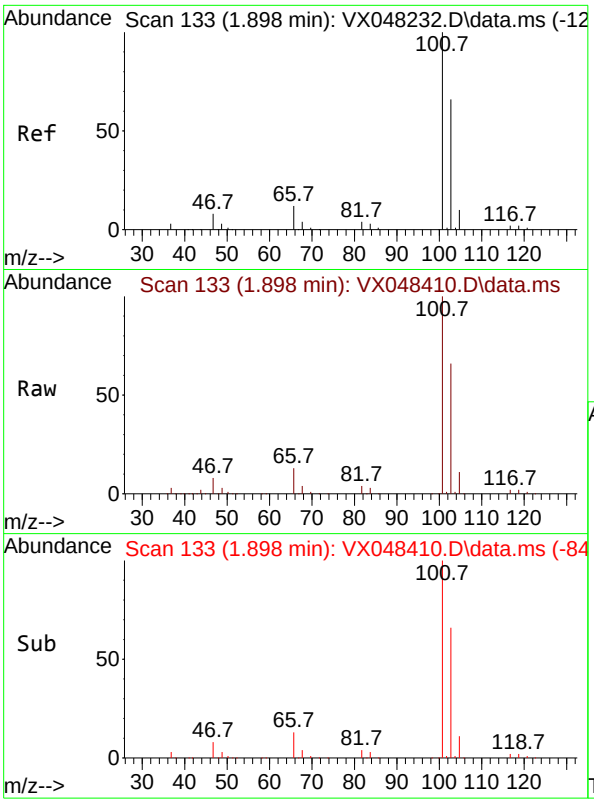


#6
Chloroethane
Concen: 49.505 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 64 Resp: 62479

Ion	Ratio	Lower	Upper
64	100		
66	32.5	23.9	35.9

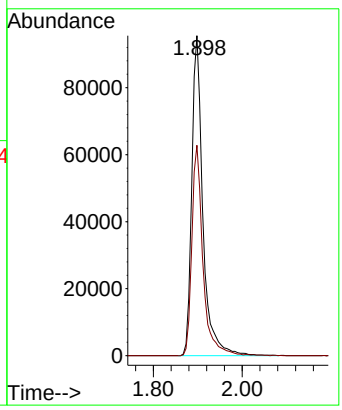




#7
Trichlorofluoromethane
Concen: 50.842 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:101 Resp: 16534

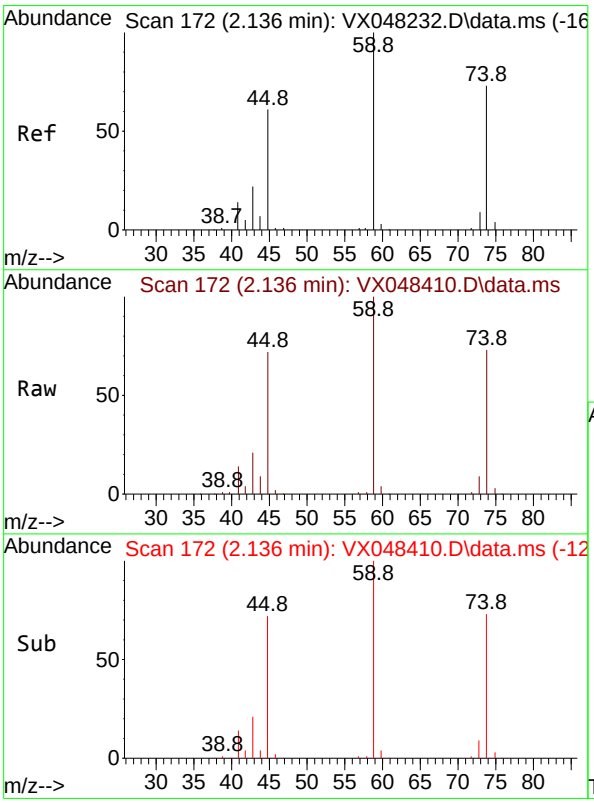
Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

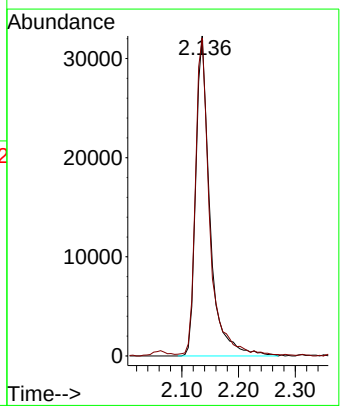
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

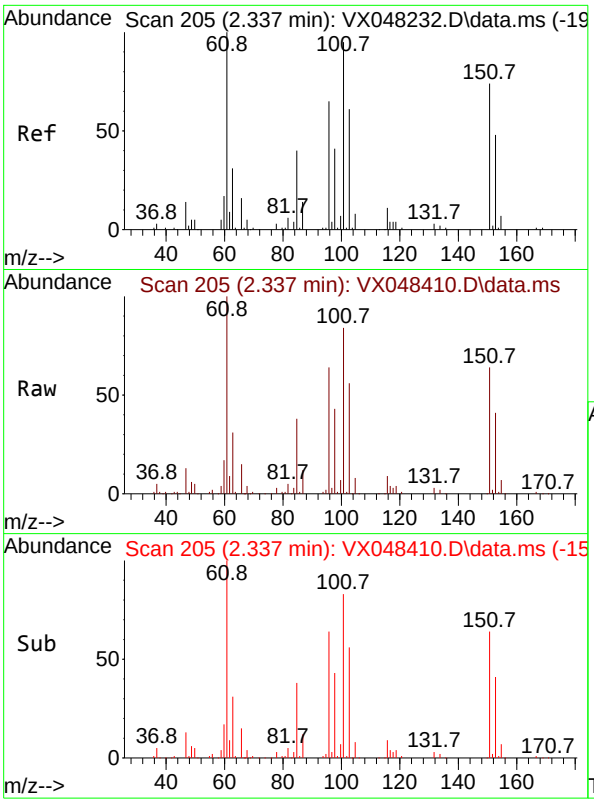


#8
Diethyl Ether
Concen: 47.453 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 74 Resp: 55774

Ion	Ratio	Lower	Upper
74	100		
45	100.2	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.385 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

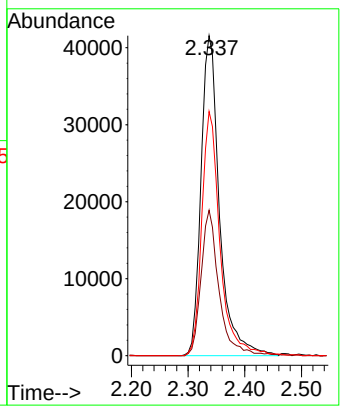
Tgt Ion:101 Resp: 9399

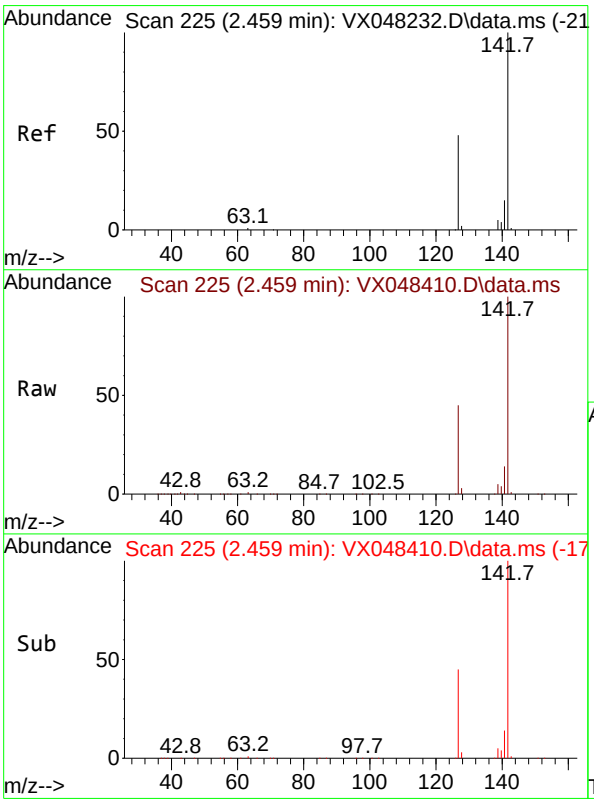
Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.6	53.4
151	75.3	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

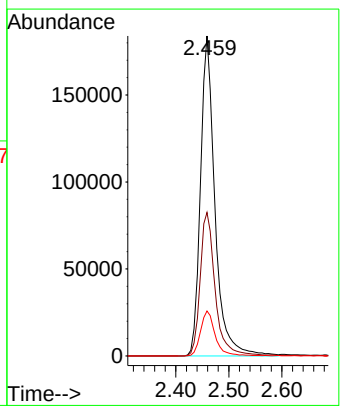


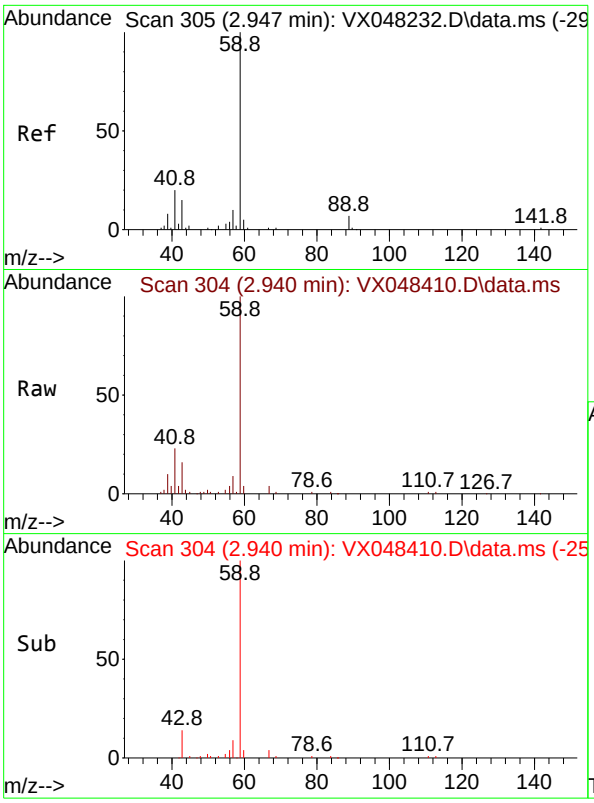


#10
Methyl Iodide
Concen: 47.561 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:142 Resp: 349838

Ion	Ratio	Lower	Upper
142	100		
127	46.7	38.5	57.7
141	14.3	11.6	17.4

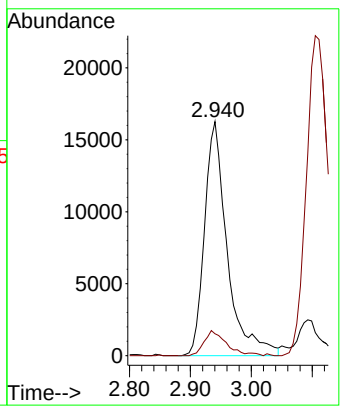




#11
Tert butyl alcohol
Concen: 239.969 ug/l
RT: 2.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 59 Resp: 4220

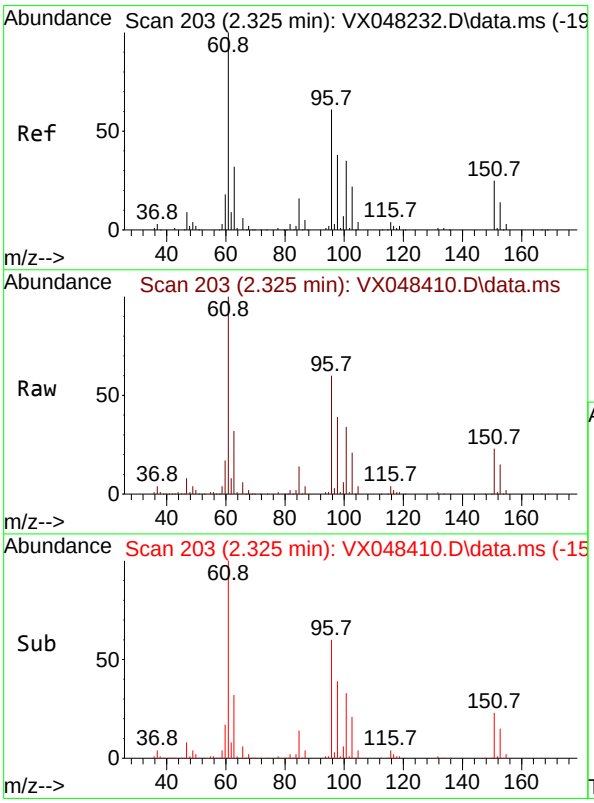
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

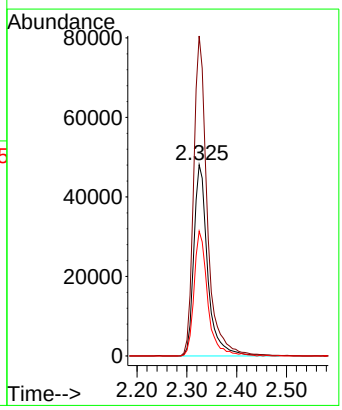
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

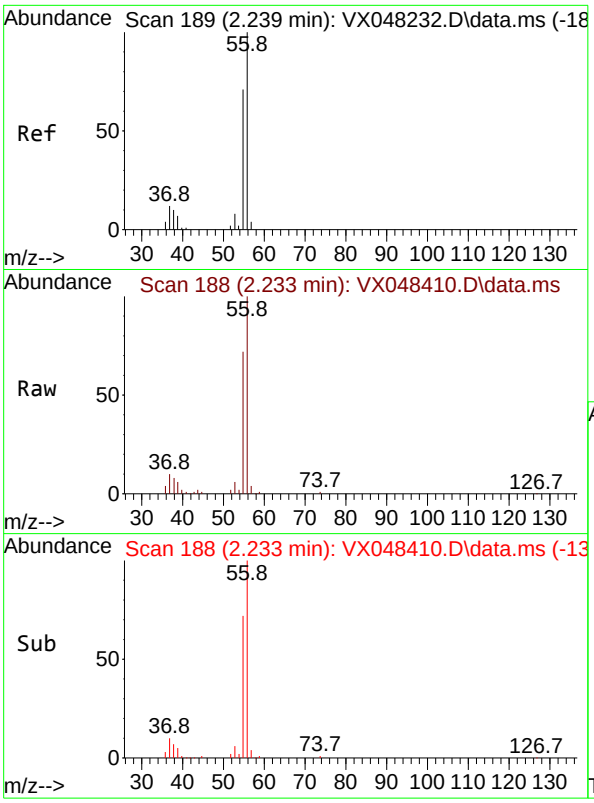


#12
1,1-Dichloroethene
Concen: 49.922 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 96 Resp: 92758

Ion	Ratio	Lower	Upper
96	100		
61	167.4	139.0	208.6
98	65.3	52.4	78.6

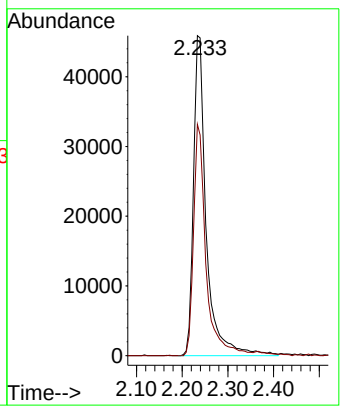




#13
Acrolein
Concen: 243.066 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 56 Resp: 8923

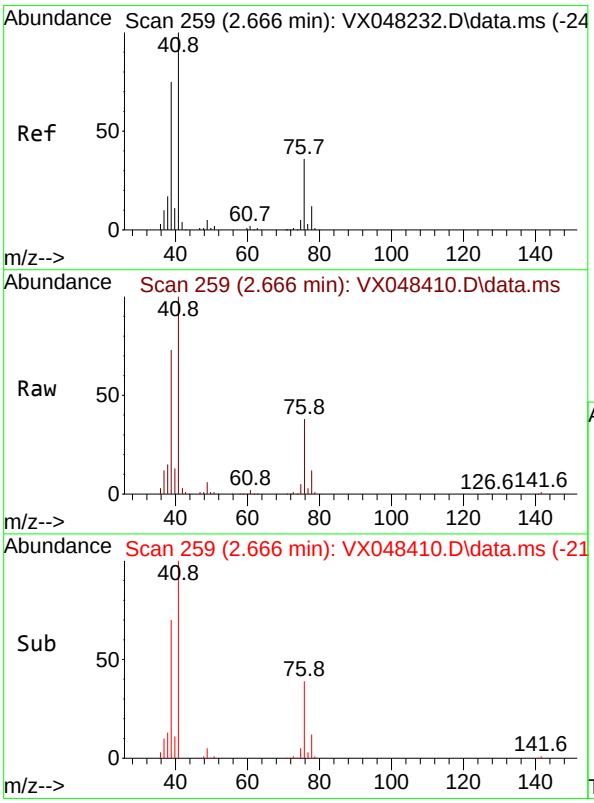
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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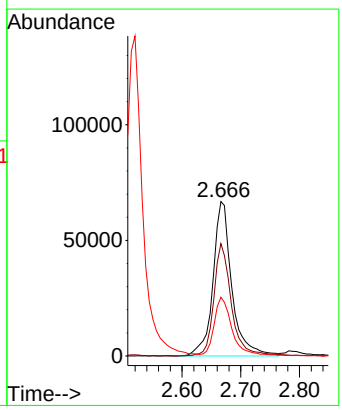
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

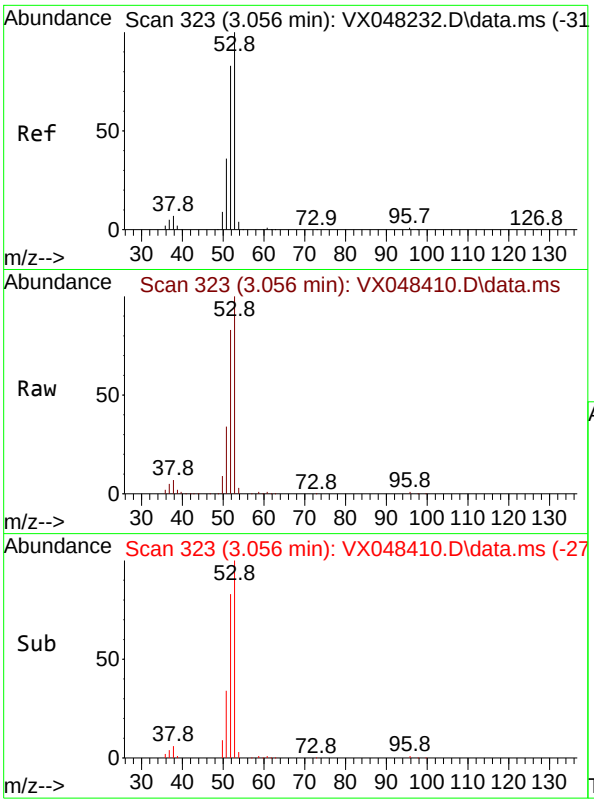


#14
Allyl chloride
Concen: 47.441 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 41 Resp: 149275

Ion	Ratio	Lower	Upper
41	100		
39	68.1	56.0	84.0
76	35.7	27.5	41.3

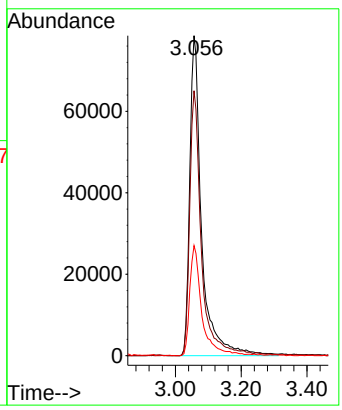




#15
Acrylonitrile
Concen: 245.957 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 53 Resp: 19680

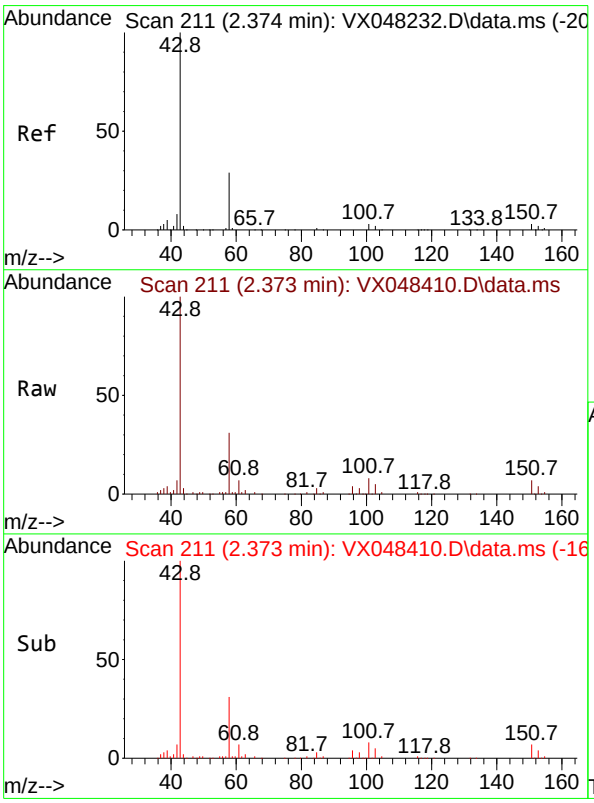
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.1	99.1
51	35.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

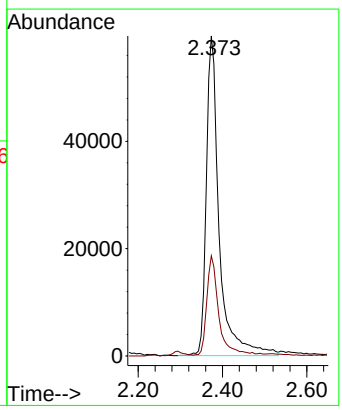
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

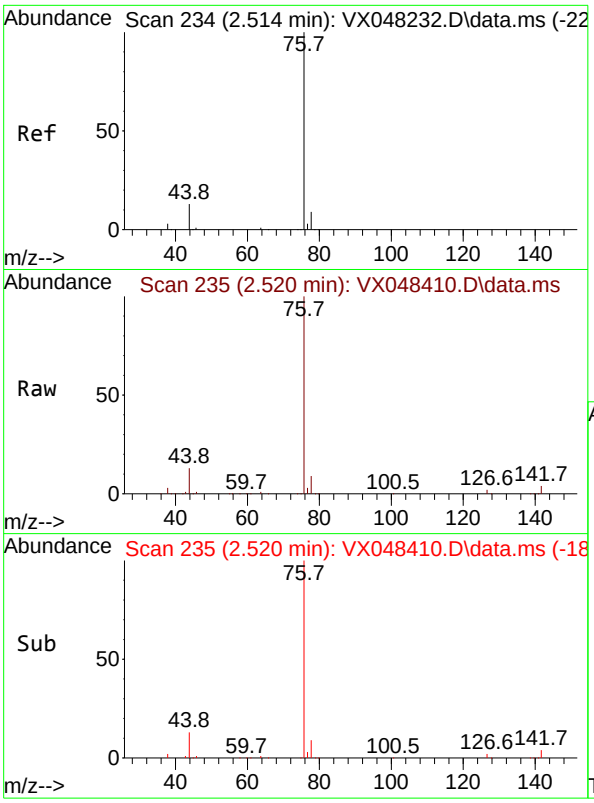


#16
Acetone
Concen: 243.498 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 126696

Ion	Ratio	Lower	Upper
43	100		
58	30.7	23.4	35.2

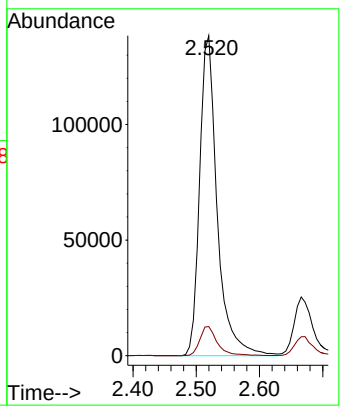




#17
Carbon Disulfide
Concen: 50.216 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 76 Resp: 26752

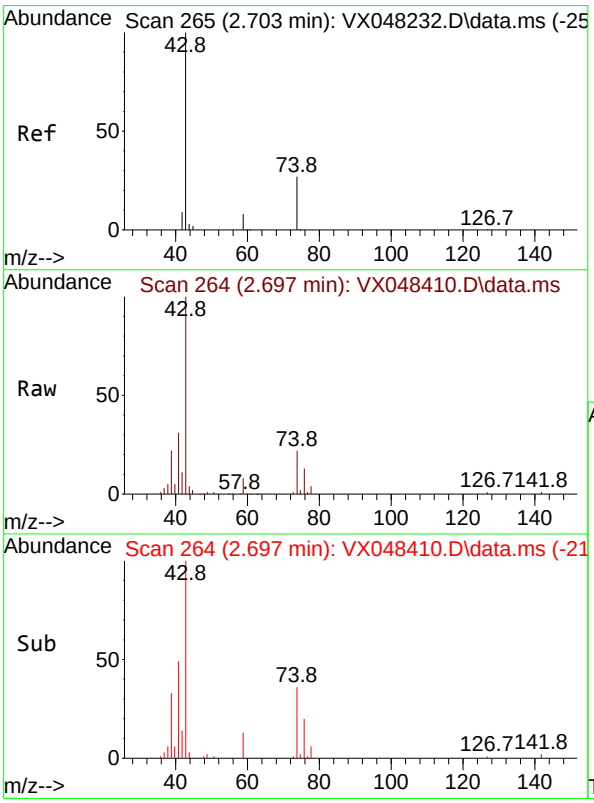
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

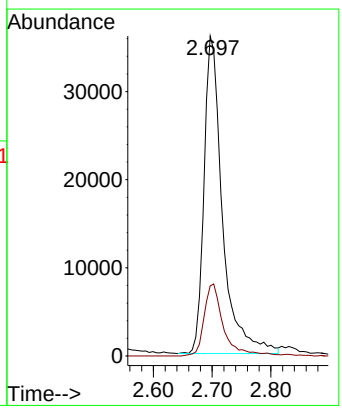
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

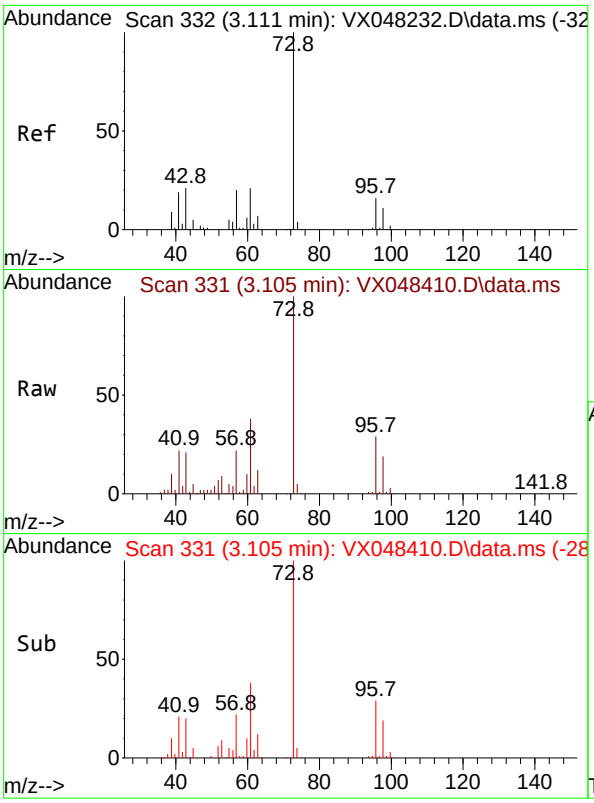


#18
Methyl Acetate
Concen: 45.269 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 78778

Ion	Ratio	Lower	Upper
43	100		
74	23.7	17.5	26.3

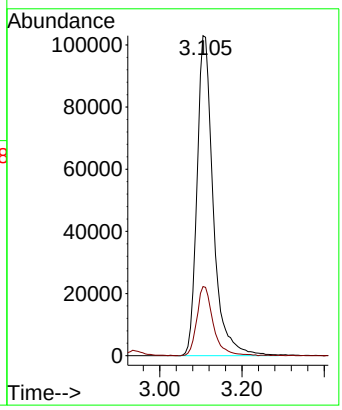




#19
Methyl tert-butyl Ether
Concen: 47.305 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 73 Resp: 28146

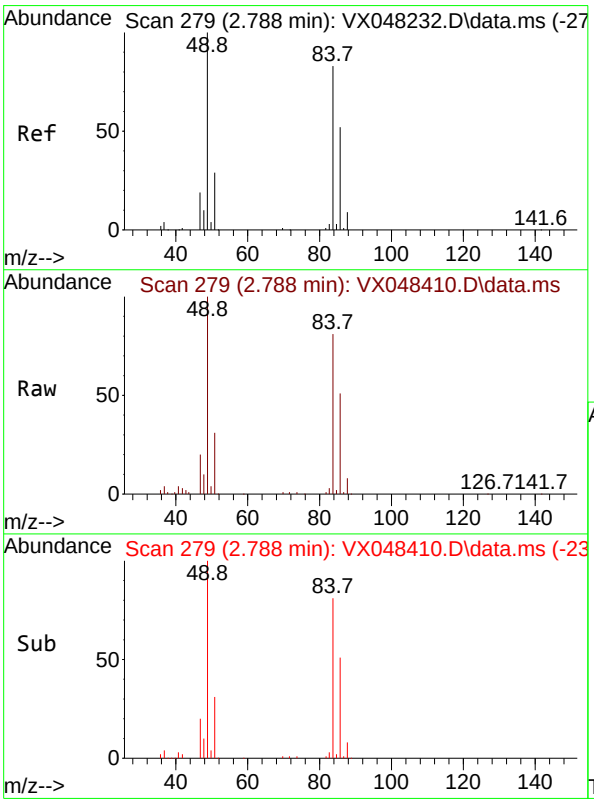
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

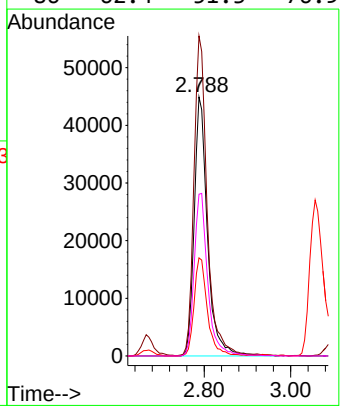
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

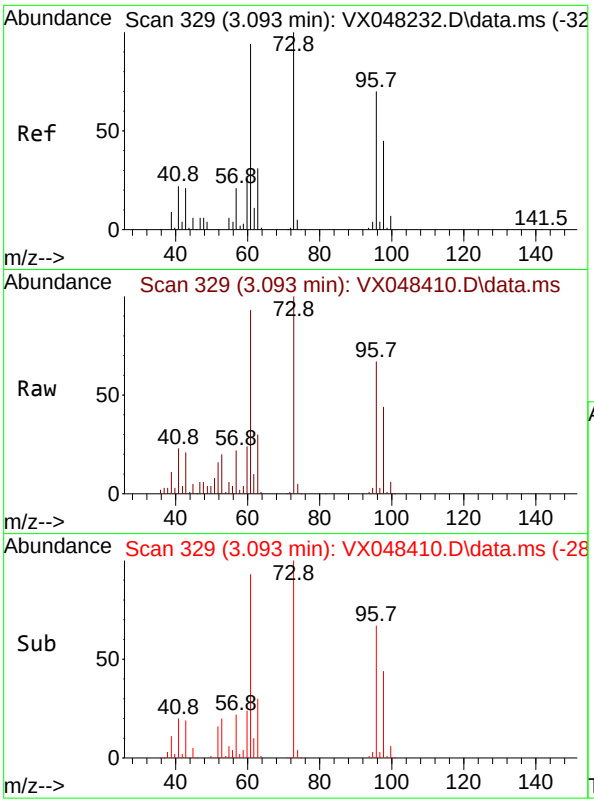


#20
Methylene Chloride
Concen: 47.586 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 84 Resp: 95444

Ion	Ratio	Lower	Upper
84	100		
49	123.4	104.1	156.1
51	37.8	31.3	46.9
86	62.4	51.3	76.9

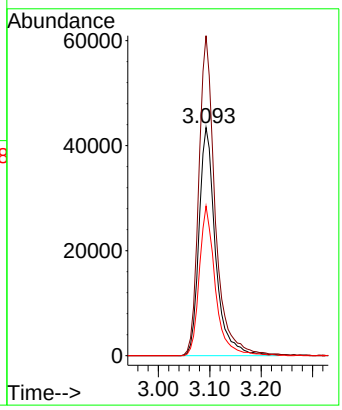




#21
trans-1,2-Dichloroethene
Concen: 49.056 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 96 Resp: 9681

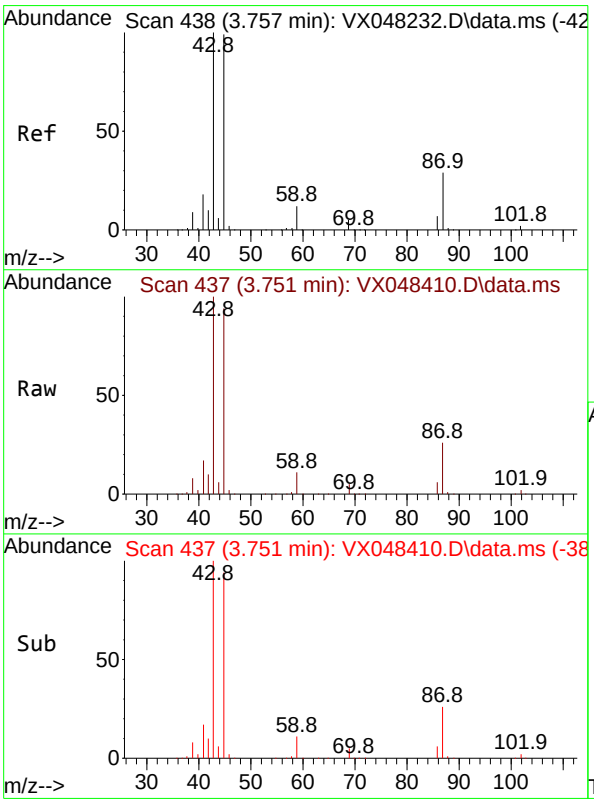
Ion	Ratio	Lower	Upper
96	100		
61	140.3	111.9	167.9
98	65.5	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

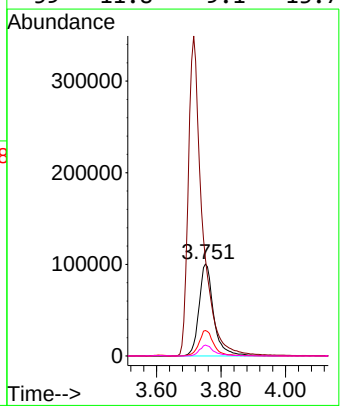
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

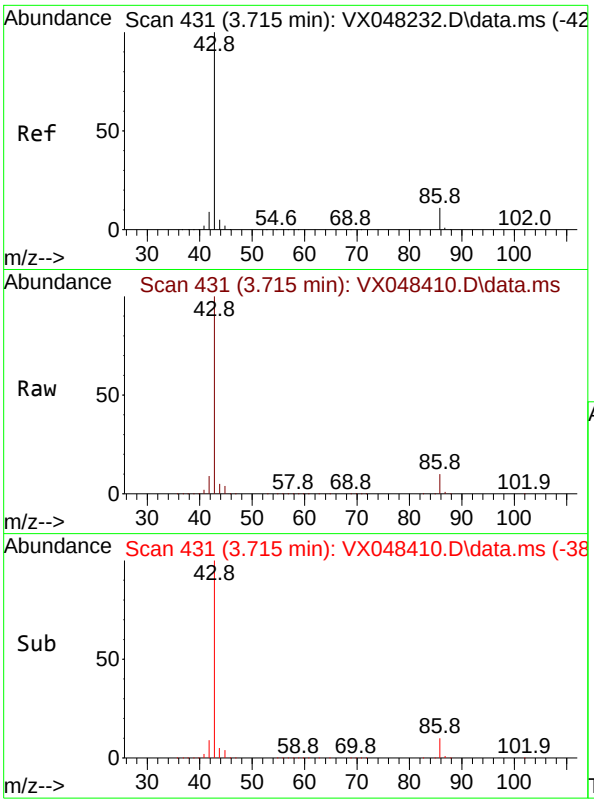


#22
Diisopropyl ether
Concen: 49.018 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 45 Resp: 315698

Ion	Ratio	Lower	Upper
45	100		
43	105.7	89.8	134.8
87	27.7	20.6	31.0
59	11.8	9.1	13.7

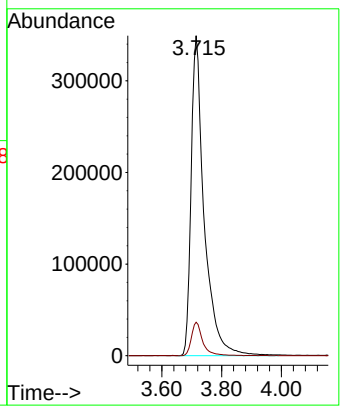




#23
Vinyl Acetate
Concen: 242.046 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 106117

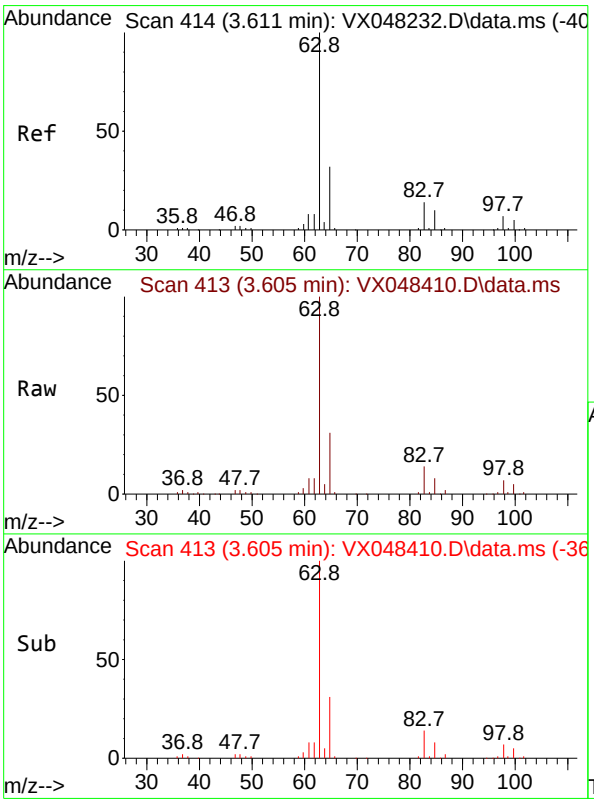
Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

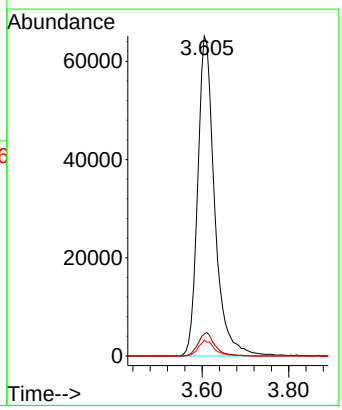
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

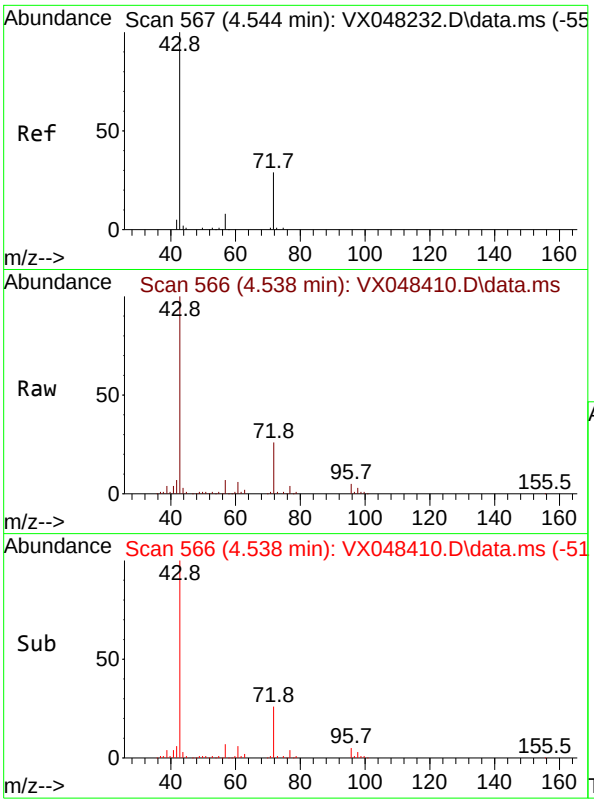


#24
1,1-Dichloroethane
Concen: 48.312 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 63 Resp: 176586

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	4.9	2.1	6.3

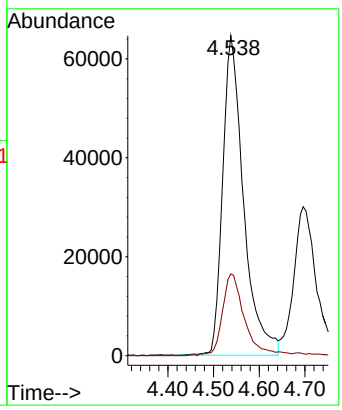




#25
2-Butanone
Concen: 246.945 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 20526

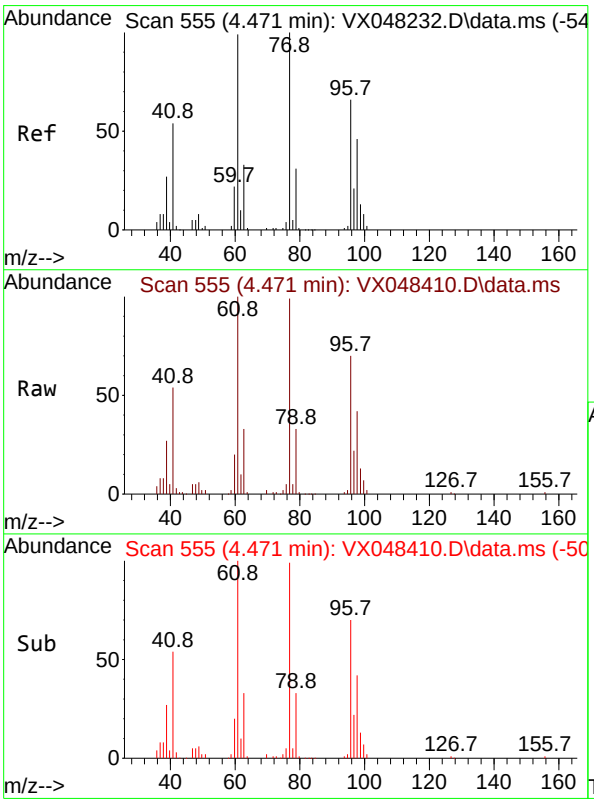
Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.9	29.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

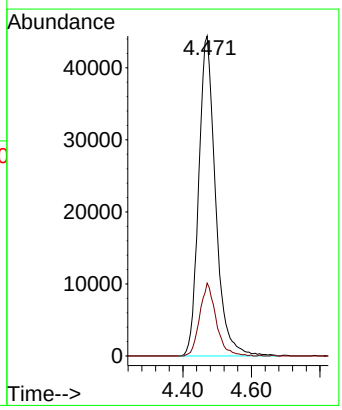
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

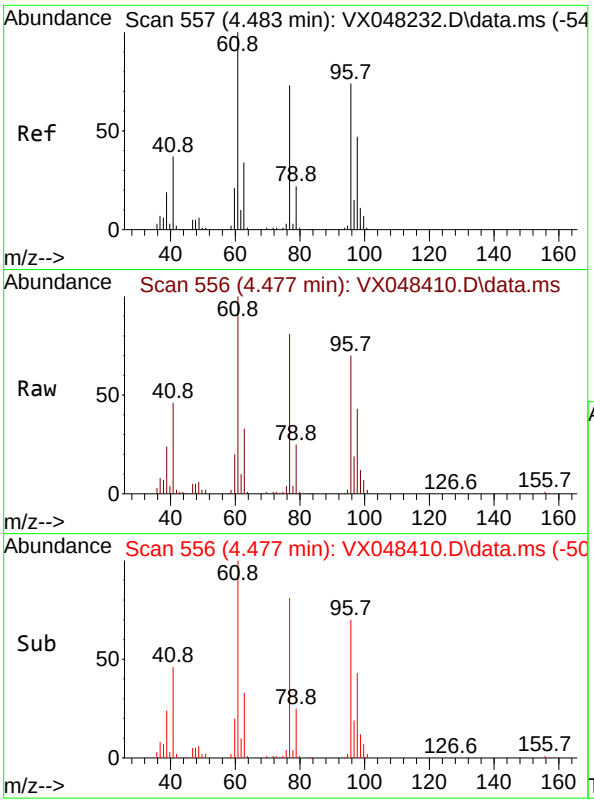


#26
2,2-Dichloropropane
Concen: 48.296 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 77 Resp: 151991

Ion	Ratio	Lower	Upper
77	100		
97	22.1	11.1	33.3





#27
cis-1,2-Dichloroethene
Concen: 48.269 ug/l
RT: 4.477 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

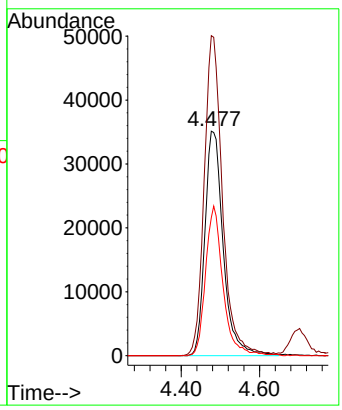
Tgt Ion: 96 Resp: 11369

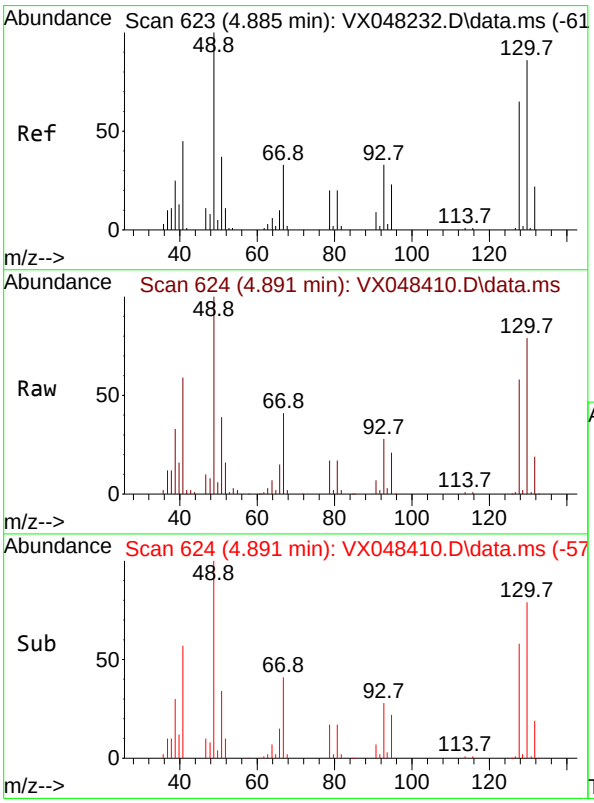
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	294.2
98	63.3	0.0	128.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

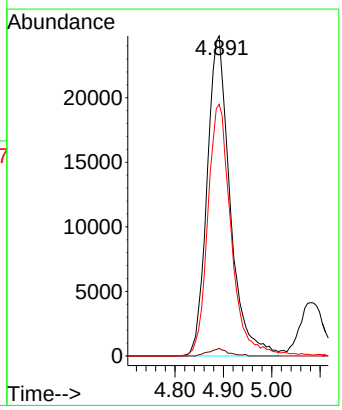


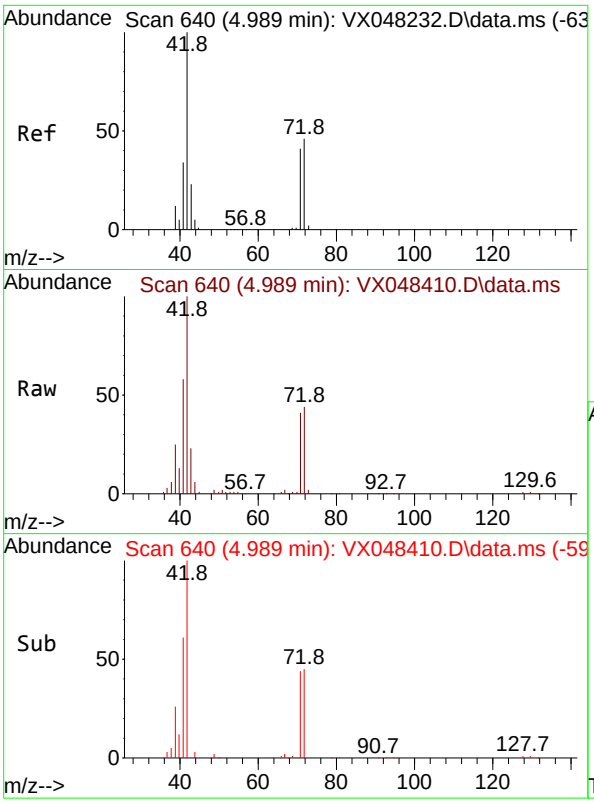


#28
Bromochloromethane
Concen: 49.419 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 49 Resp: 81862

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	79.8	59.3	88.9





#29
Tetrahydrofuran
Concen: 244.506 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

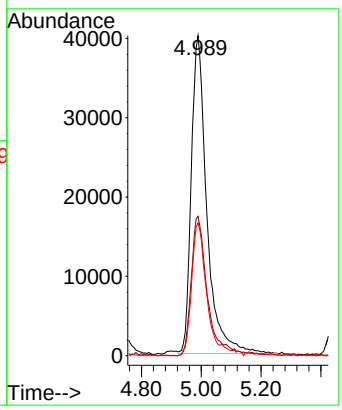
Tgt Ion: 42 Resp: 14473

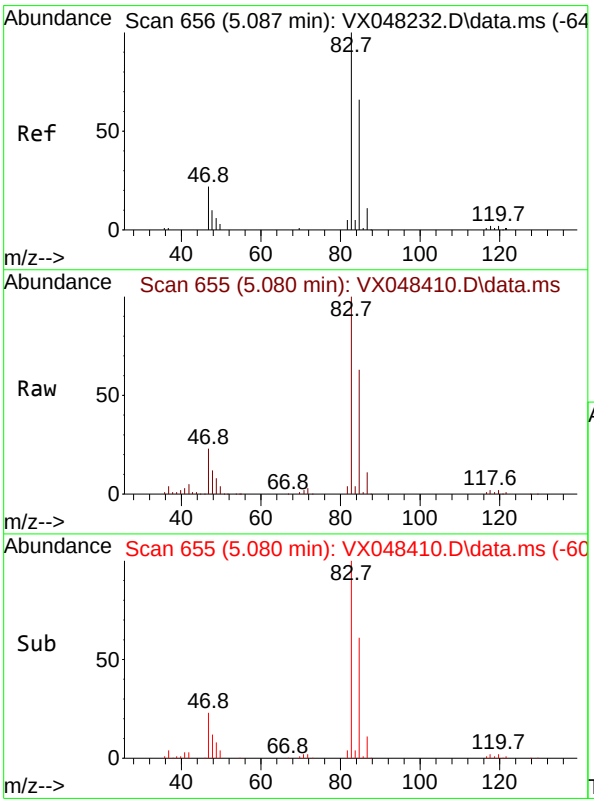
Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.3	52.9
71	40.9	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

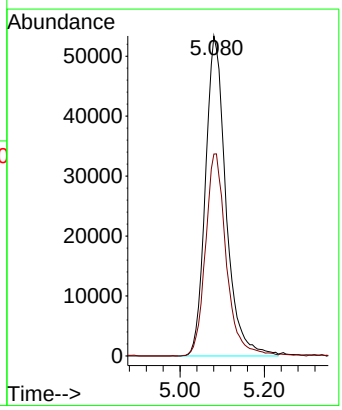


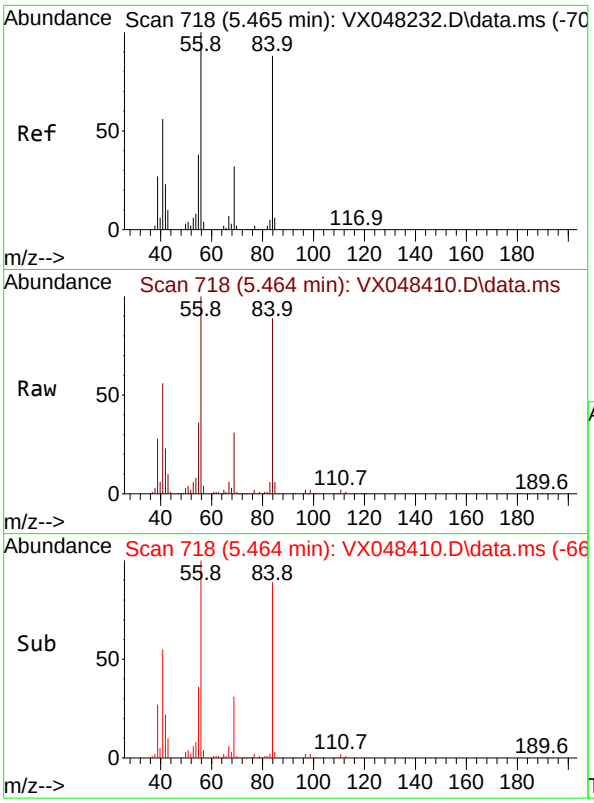


#30
Chloroform
Concen: 48.005 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 83 Resp: 180495

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.1	75.1

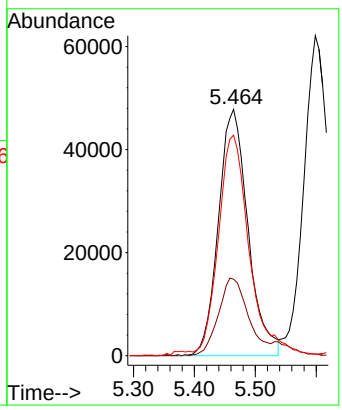




#31
Cyclohexane
Concen: 50.887 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 56 Resp: 16144

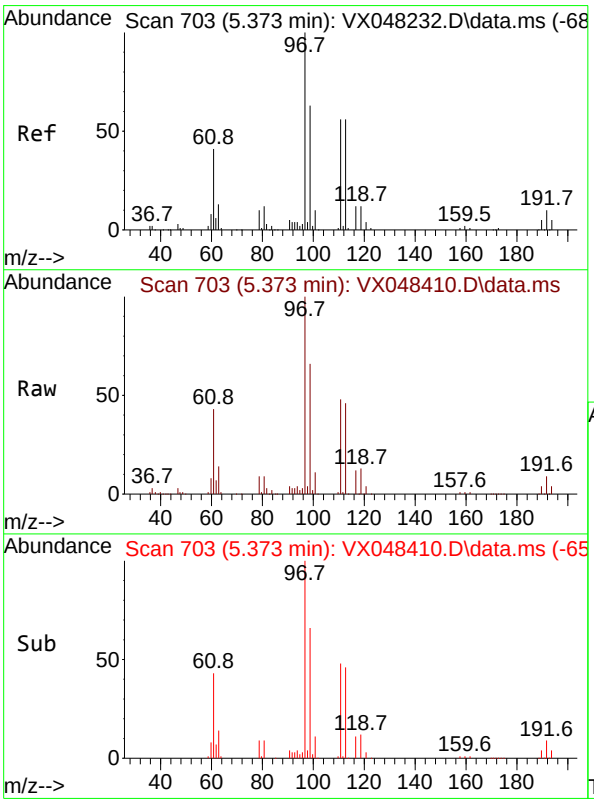
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.0	34.6
84	87.8	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

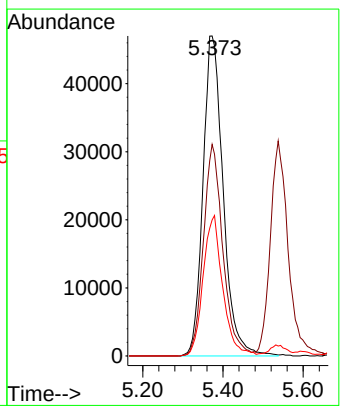
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

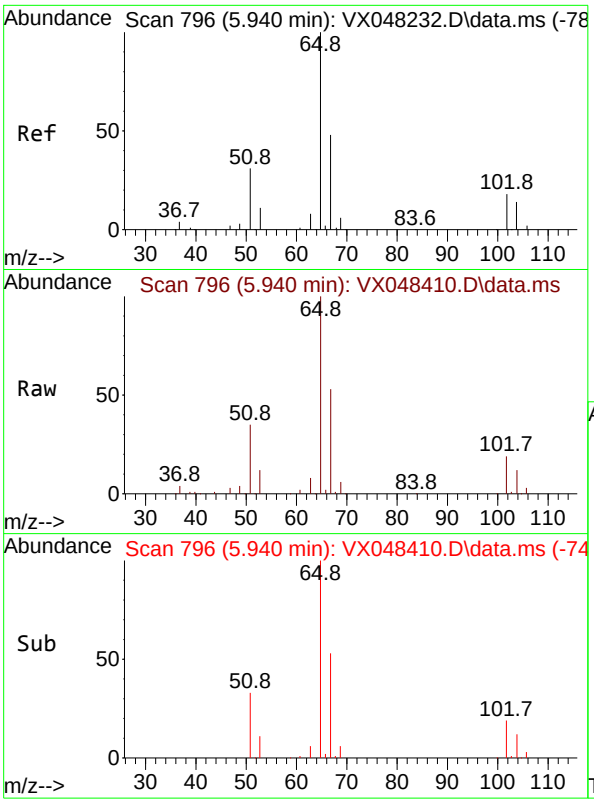


#32
1,1,1-Trichloroethane
Concen: 49.529 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 97 Resp: 164402

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.7	77.5
61	42.6	34.8	52.2

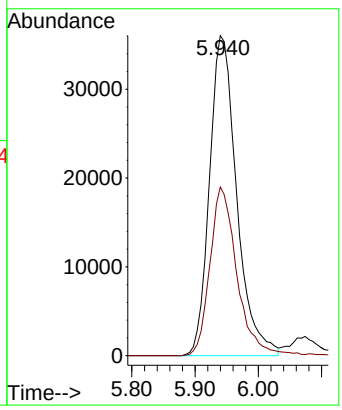




#33
1,2-Dichloroethane-d4
Concen: 46.845 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 65 Resp: 10754

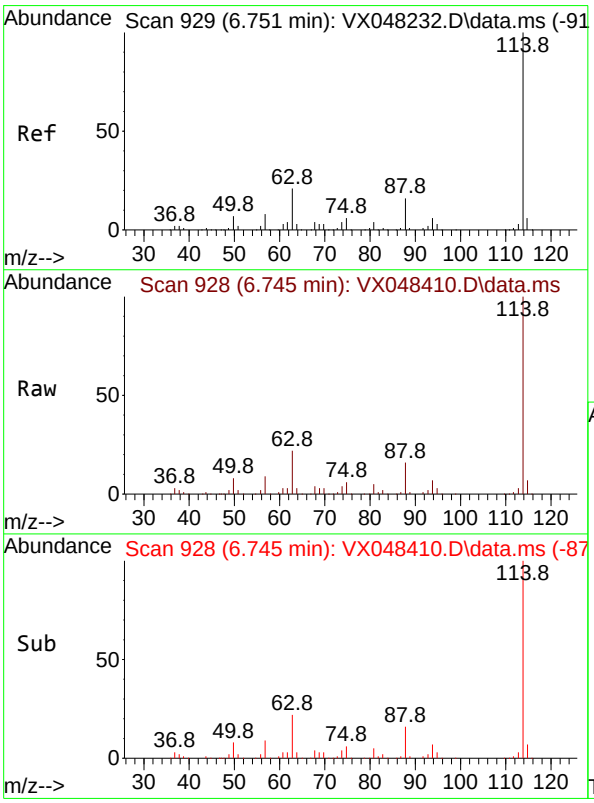
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

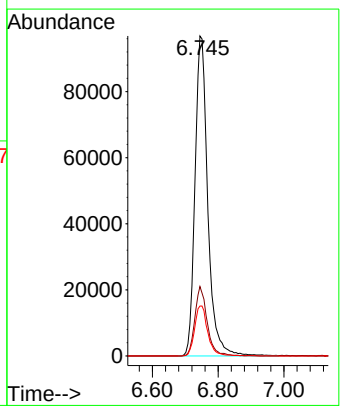
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

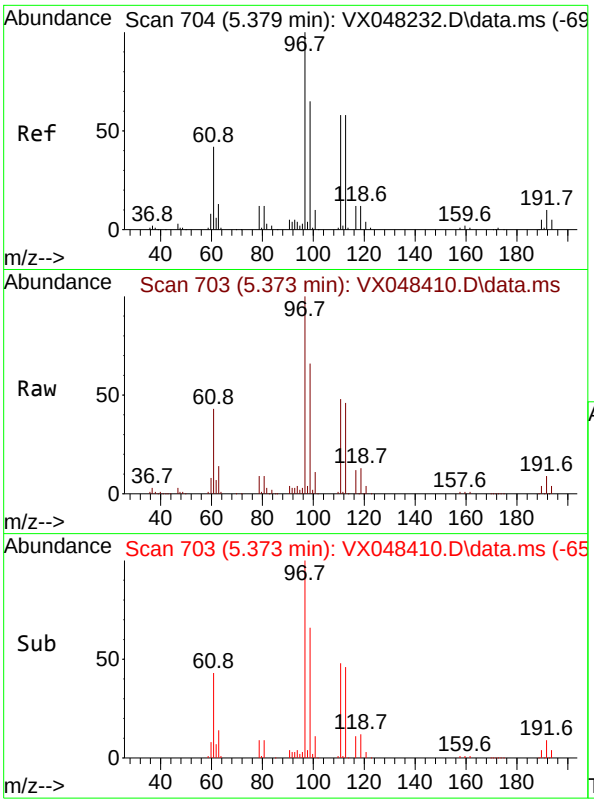


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:114 Resp: 260667

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.2
88	15.6	0.0	33.6

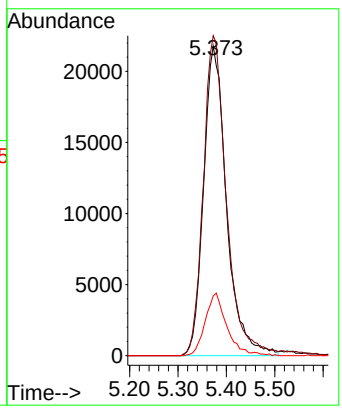




#35
Dibromofluoromethane
Concen: 48.342 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:113 Resp: 7184

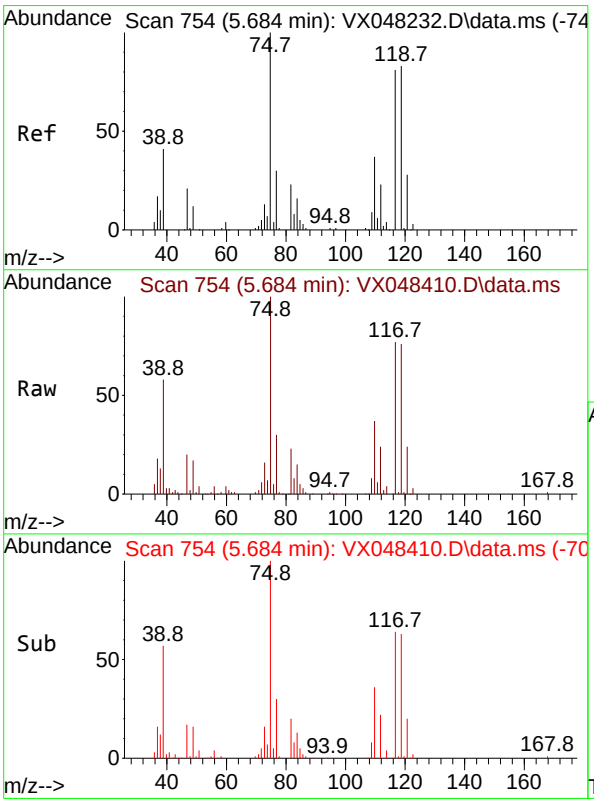
Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.2	123.4
192	19.1	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

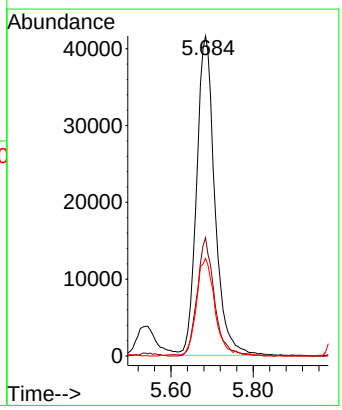
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

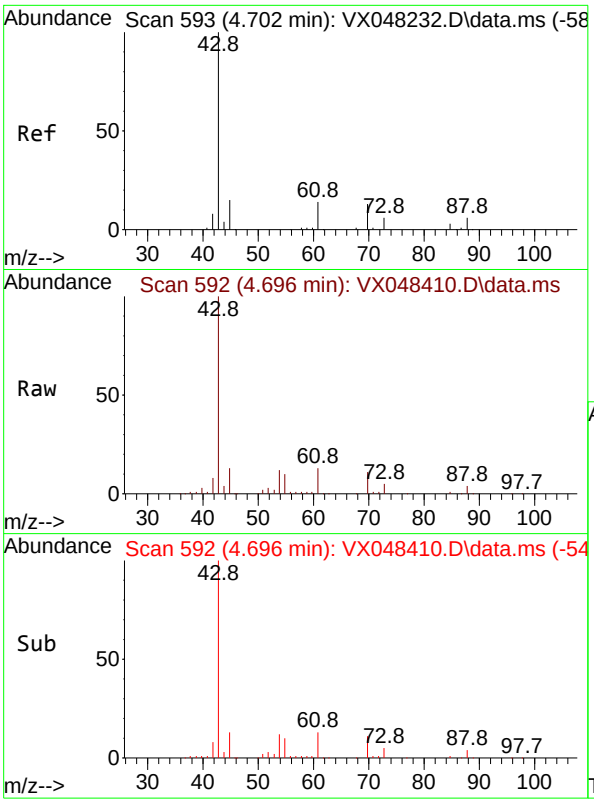


#36
1,1-Dichloropropene
Concen: 51.134 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 75 Resp: 127616

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.7	53.1
77	31.1	24.3	36.5

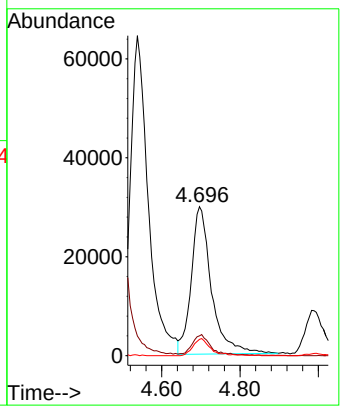




#37
Ethyl Acetate
Concen: 50.298 ug/l
RT: 4.696 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 10694

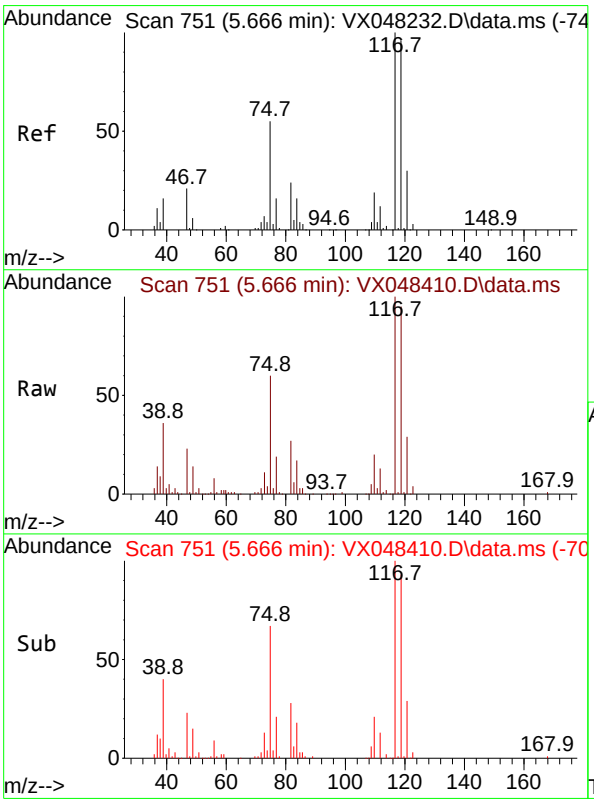
Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.6	15.8
70	9.6	7.8	11.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

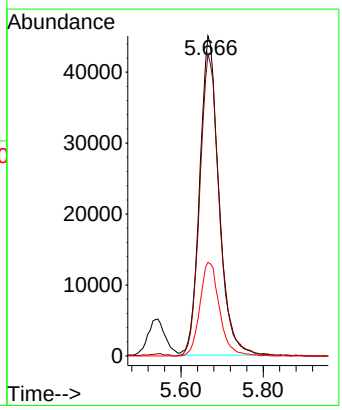
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

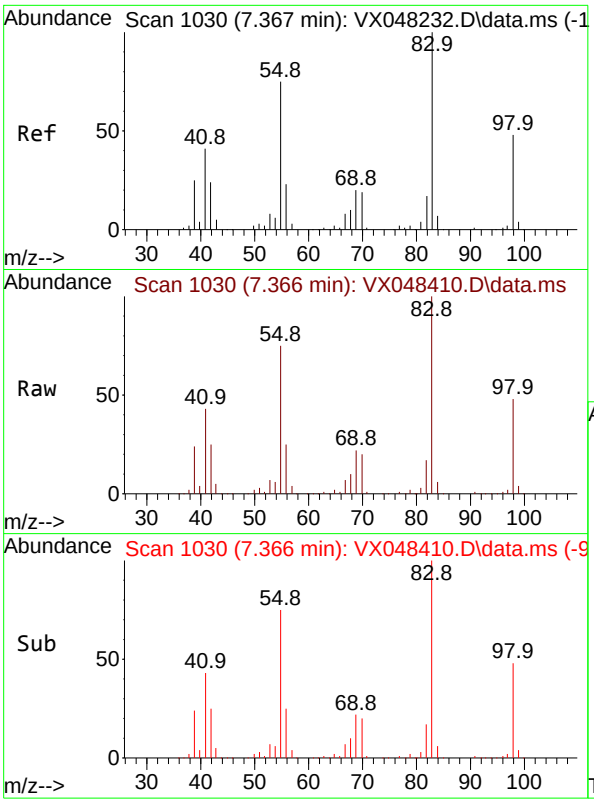


#38
Carbon Tetrachloride
Concen: 50.606 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:117 Resp: 145824

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.2	115.8
121	29.3	24.8	37.2

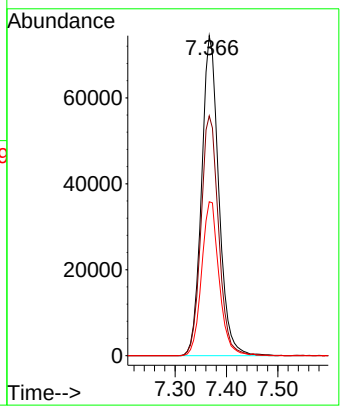




#39
Methylcyclohexane
Concen: 53.976 ug/l
RT: 7.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 83 Resp: 17323

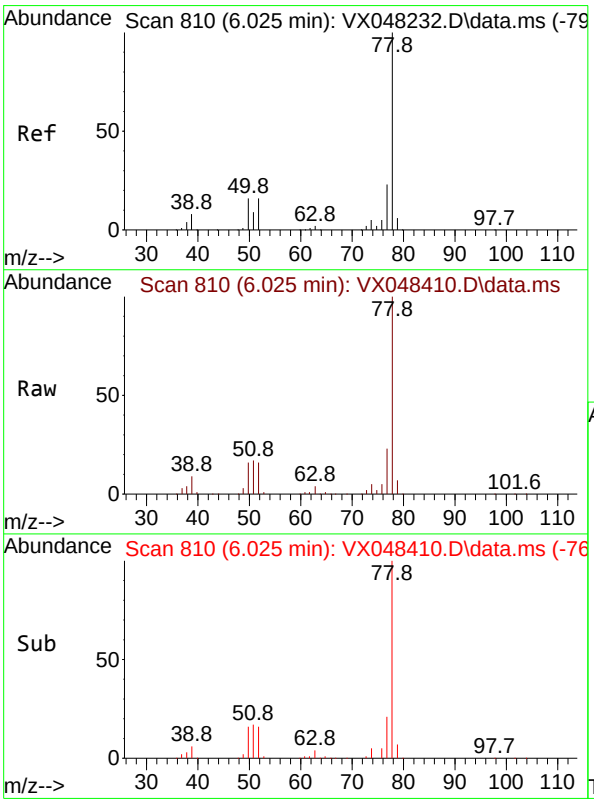
Ion	Ratio	Lower	Upper
83	100		
55	74.9	66.2	99.2
98	48.1	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

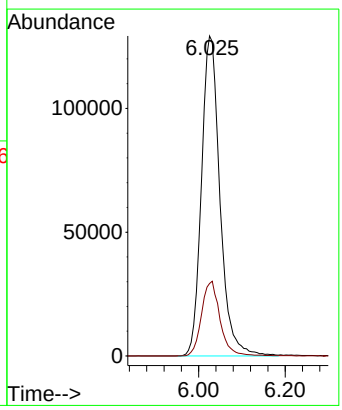
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

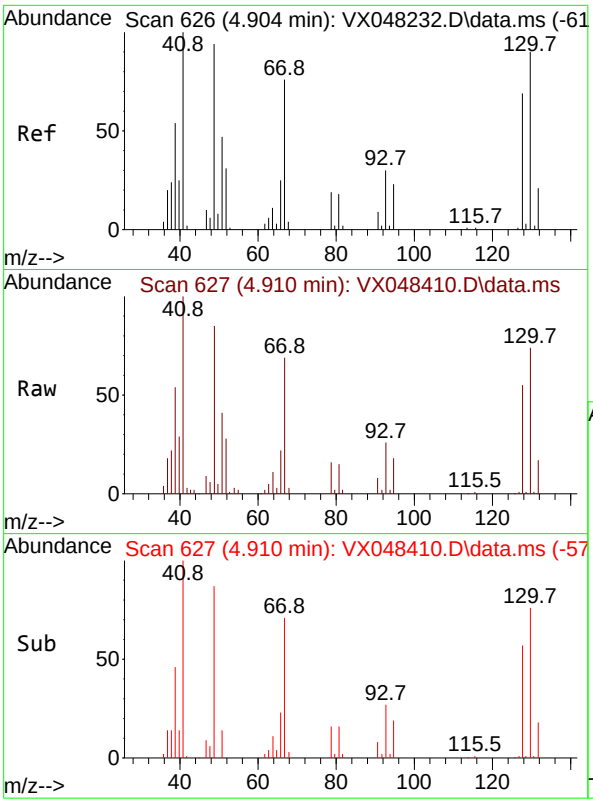


#40
Benzene
Concen: 50.323 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 78 Resp: 383684

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.3	28.9

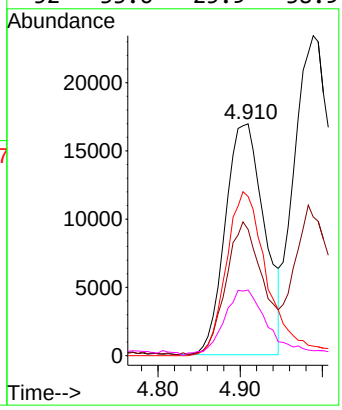




#41
Methacrylonitrile
Concen: 52.257 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 41 Resp: 5596

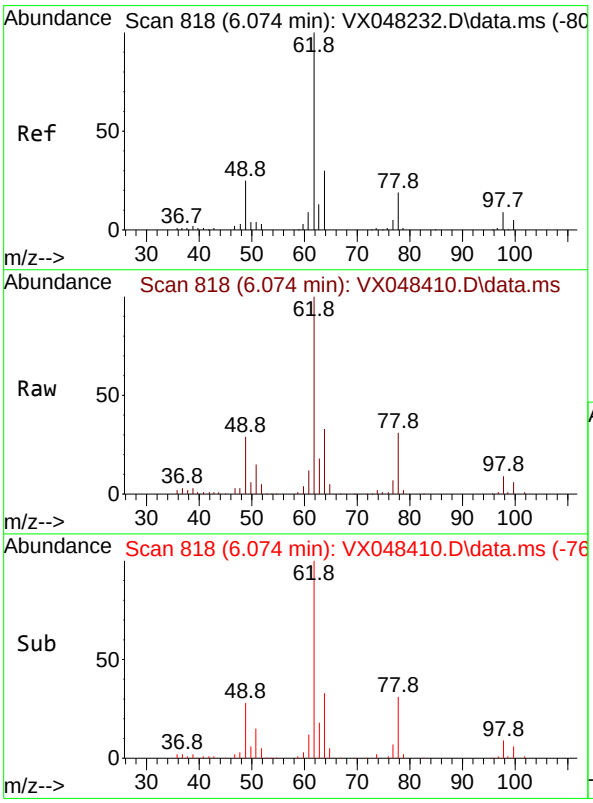
Ion	Ratio	Lower	Upper
41	100		
39	54.0	44.0	66.0
67	76.5	58.7	88.1
52	33.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

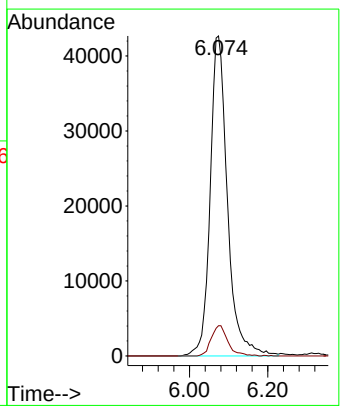
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

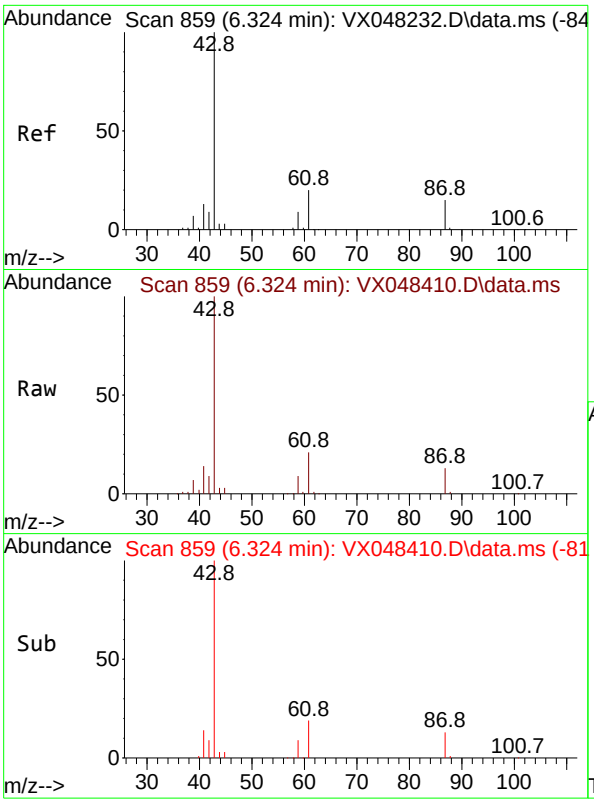


#42
1,2-Dichloroethane
Concen: 48.603 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 62 Resp: 130524

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.2

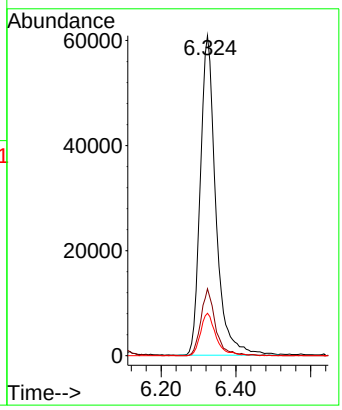




#43
Isopropyl Acetate
Concen: 49.902 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 17518

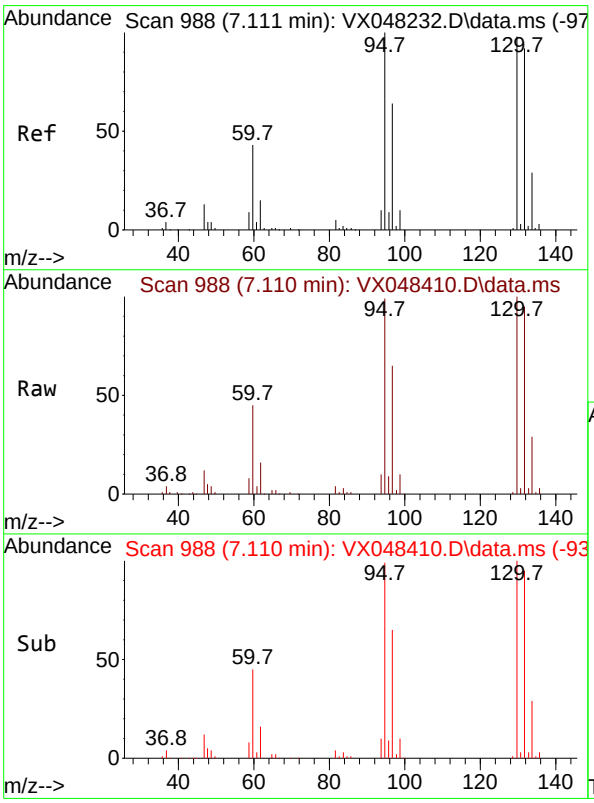
Ion	Ratio	Lower	Upper
43	100		
61	19.5	14.9	22.3
87	13.2	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

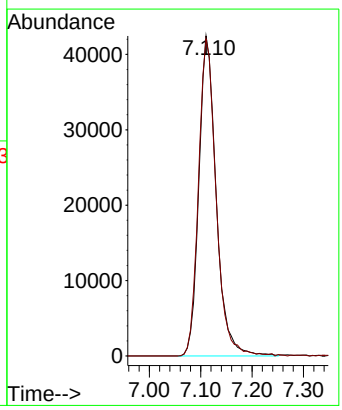
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

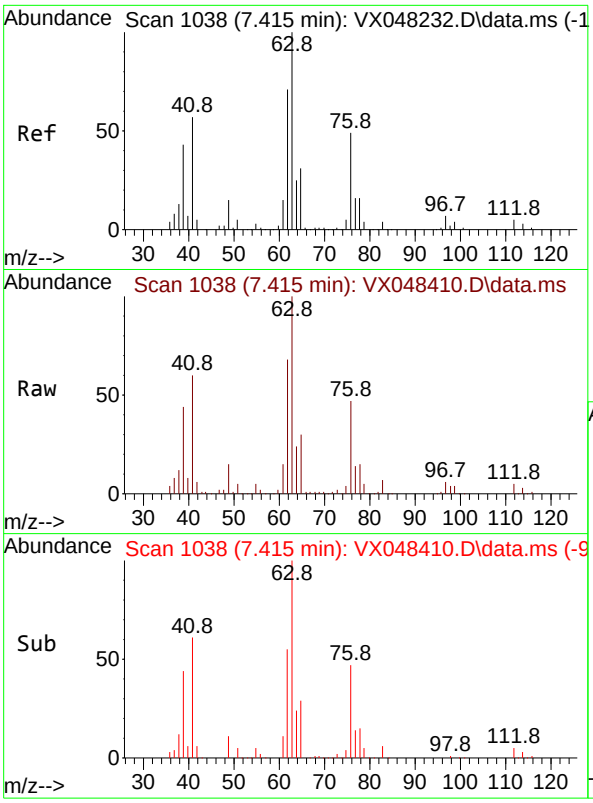


#44
Trichloroethene
Concen: 49.745 ug/l
RT: 7.110 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:130 Resp: 99369

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	200.6

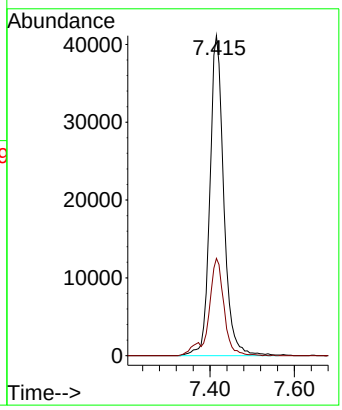




#45
1,2-Dichloropropane
Concen: 49.574 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 63 Resp: 9439

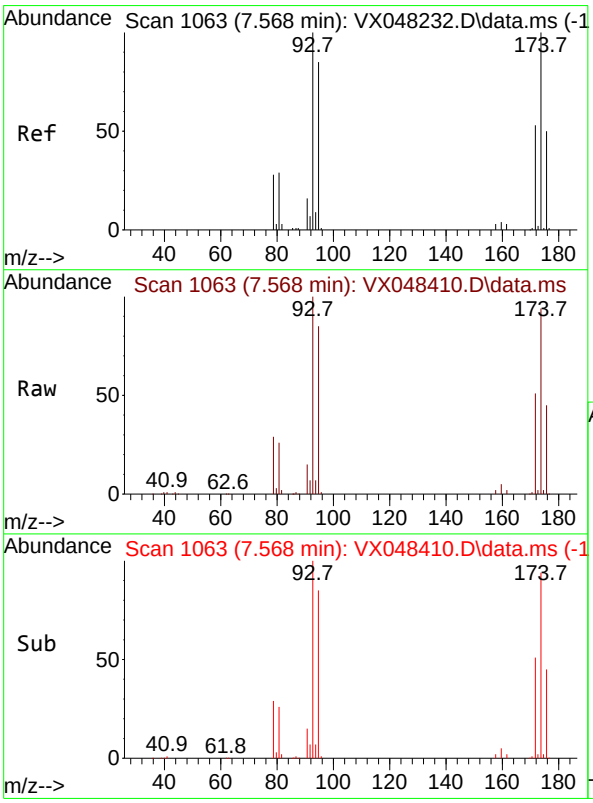
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

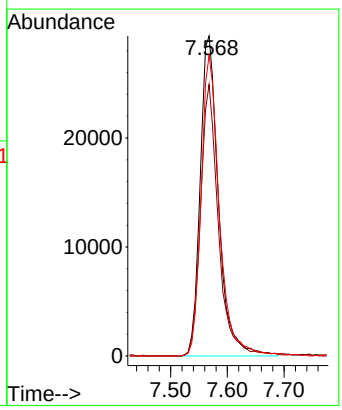
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

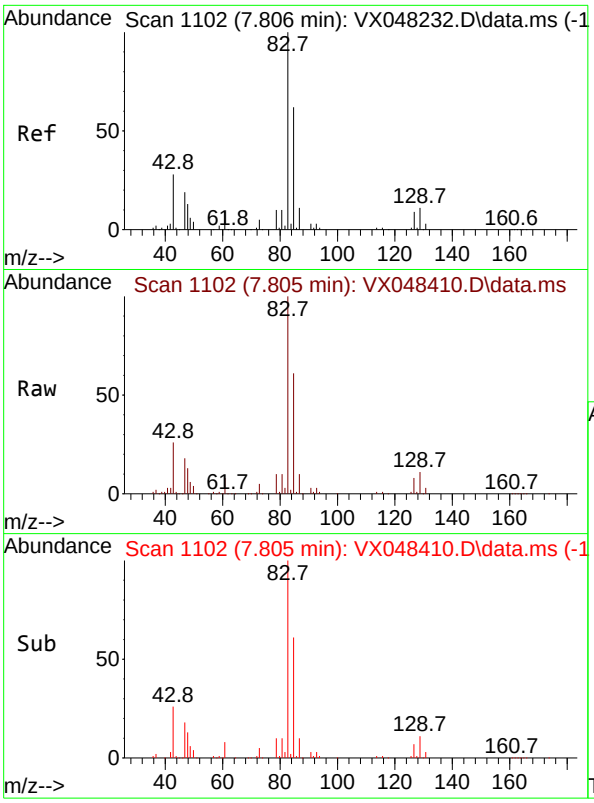


#46
Dibromomethane
Concen: 49.289 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 93 Resp: 65702

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.9	98.9
174	94.1	71.7	107.5

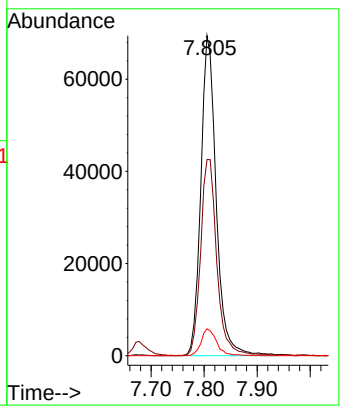




#47
Bromodichloromethane
Concen: 49.480 ug/l
RT: 7.805 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 83 Resp: 14013

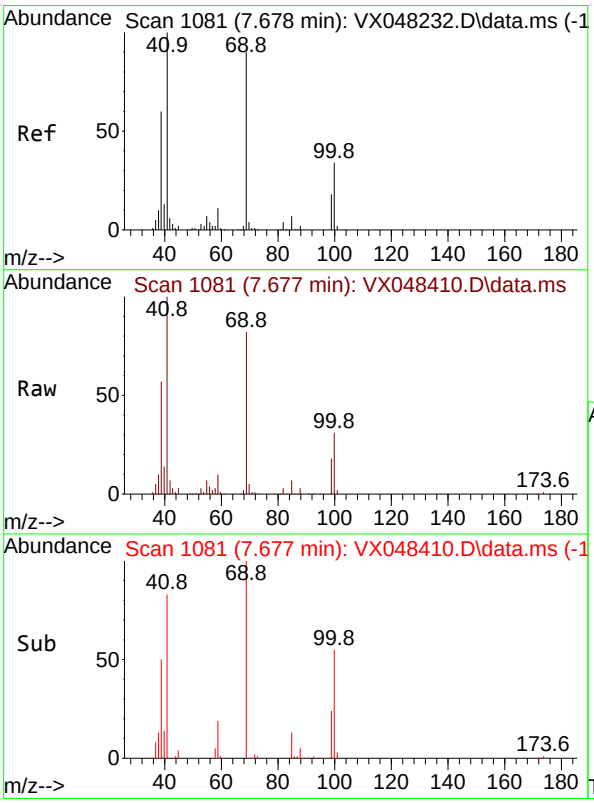
Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.4
127	8.4	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

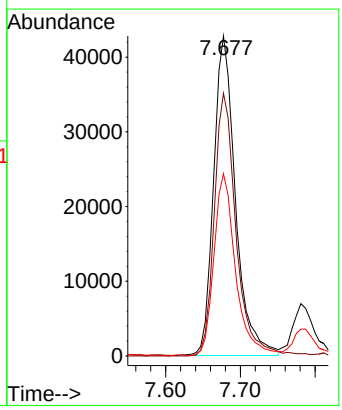
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

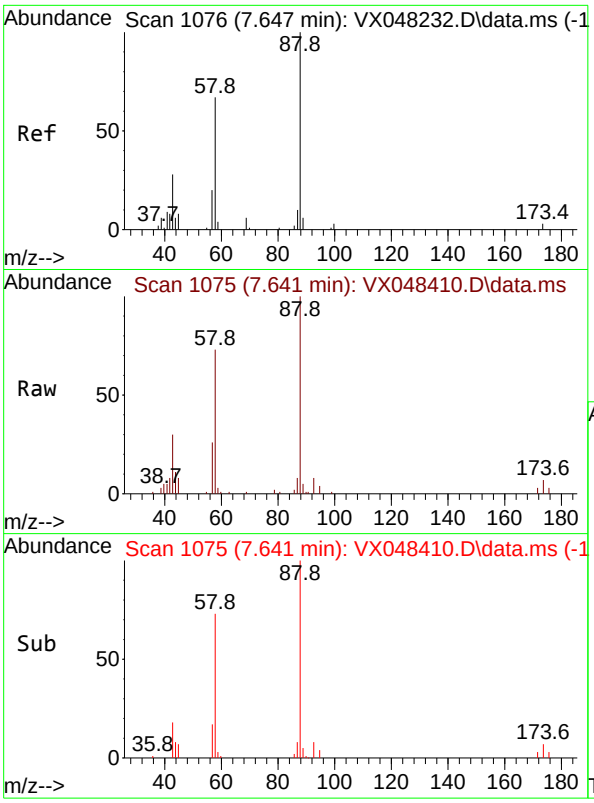


#48
Methyl methacrylate
Concen: 50.837 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 41 Resp: 87031

Ion	Ratio	Lower	Upper
41	100		
69	82.1	63.4	95.0
39	56.3	47.1	70.7

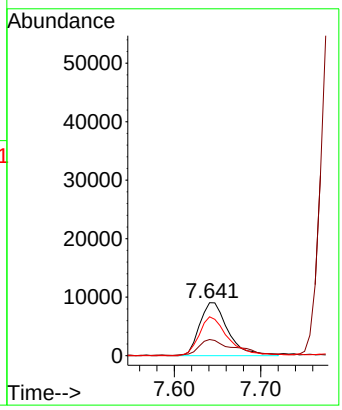




#49
1,4-Dioxane
Concen: 1059.032 ug/l
RT: 7.641 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 88 Resp: 2060

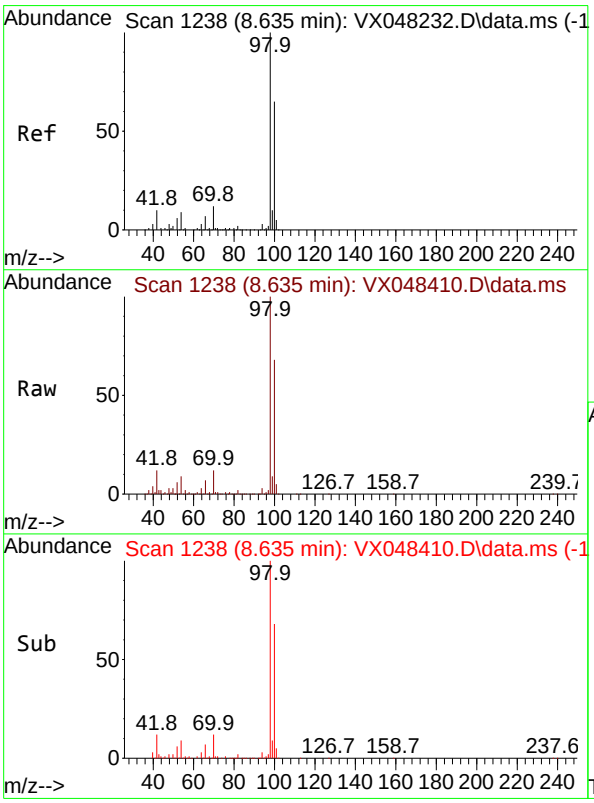
Ion	Ratio	Lower	Upper
88	100		
43	38.5	35.0	52.4
58	75.0	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

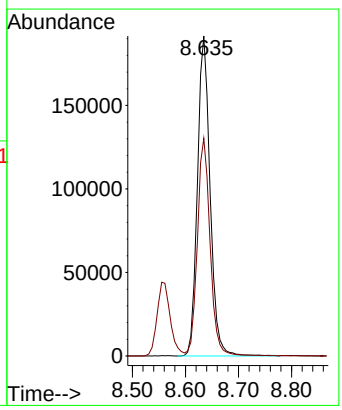
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

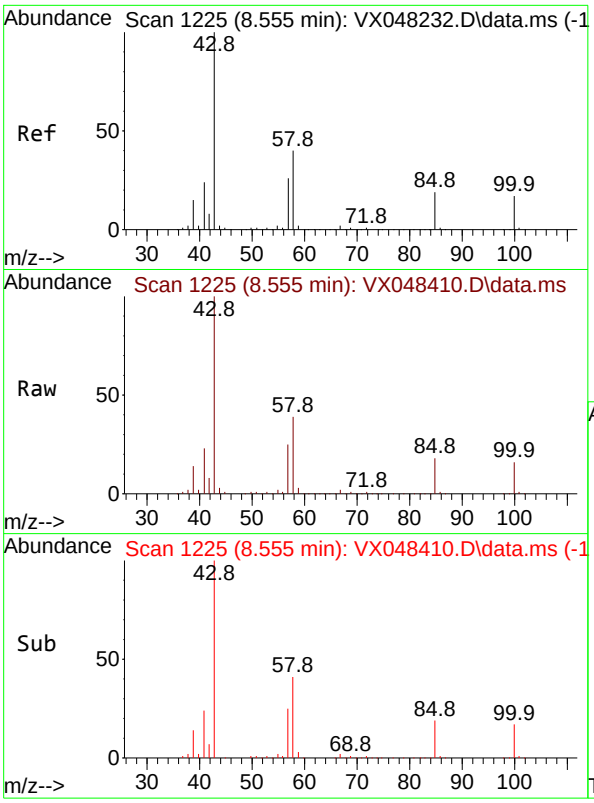


#50
Toluene-d8
Concen: 48.535 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 98 Resp: 318405

Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.0	79.4

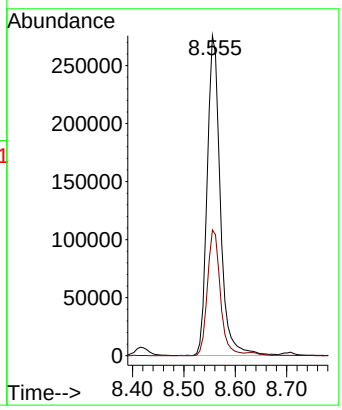




#51
4-Methyl-2-Pentanone
Concen: 250.278 ug/l
RT: 8.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 48897

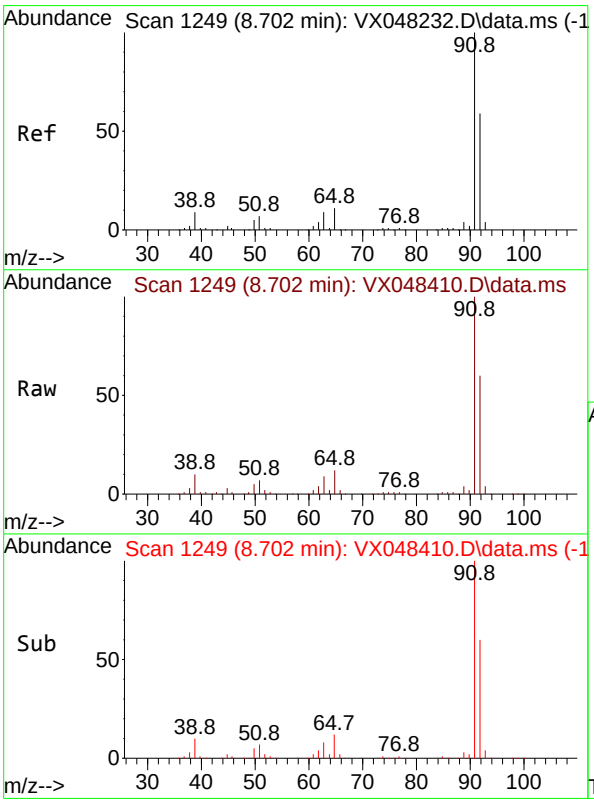
Ion	Ratio	Lower	Upper
43	100		
58	38.7	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

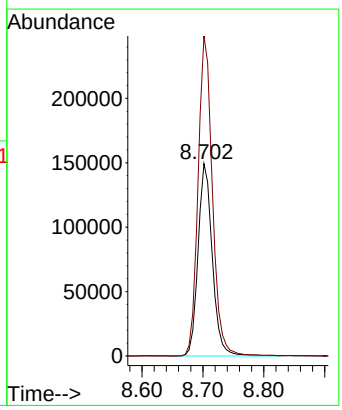
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

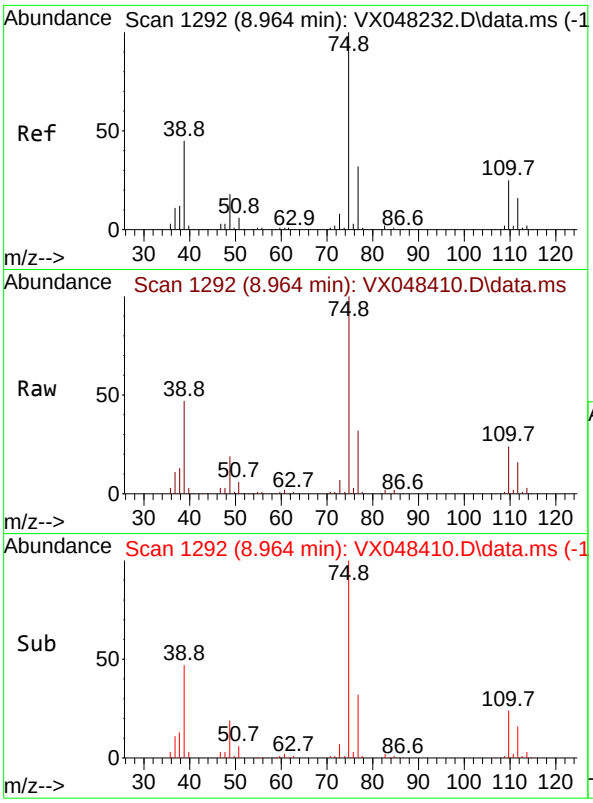


#52
Toluene
Concen: 50.935 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 92 Resp: 242665

Ion	Ratio	Lower	Upper
92	100		
91	167.8	136.1	204.1

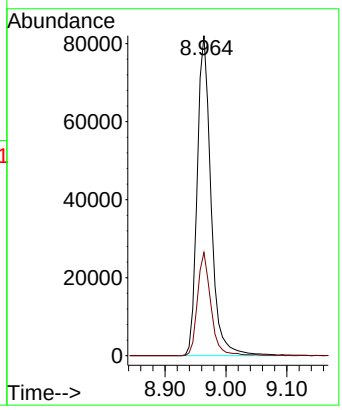




#53
t-1,3-Dichloropropene
Concen: 50.378 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 75 Resp: 12932

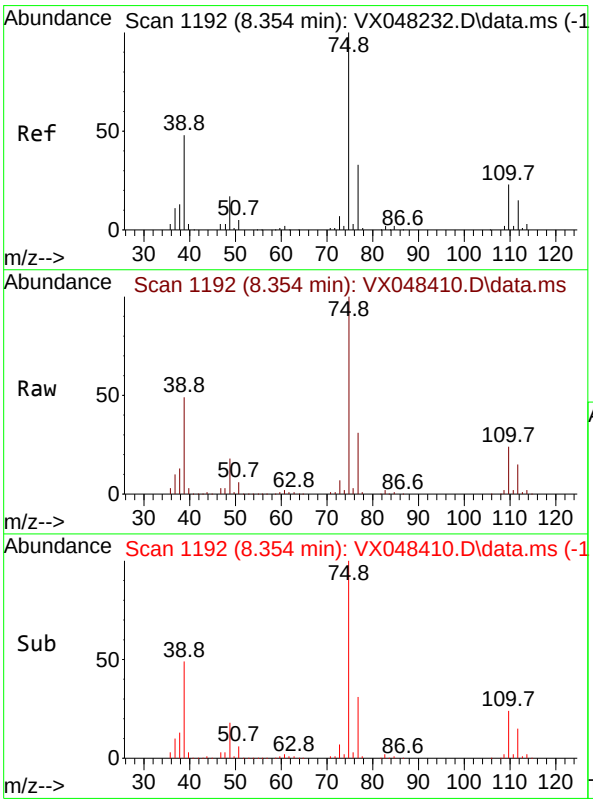
Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

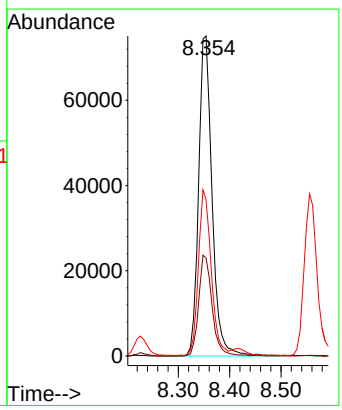
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

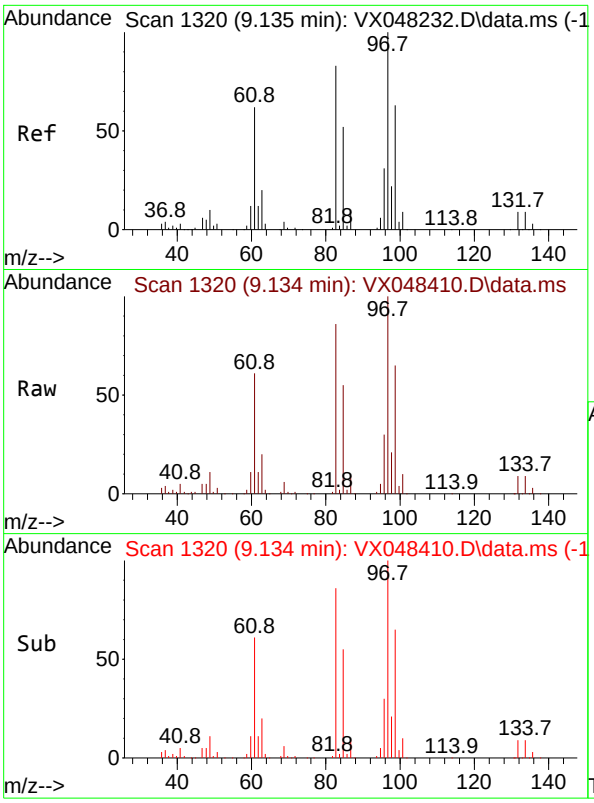


#54
cis-1,3-Dichloropropene
Concen: 49.371 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 75 Resp: 136550

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.9	37.3
39	48.5	42.6	64.0

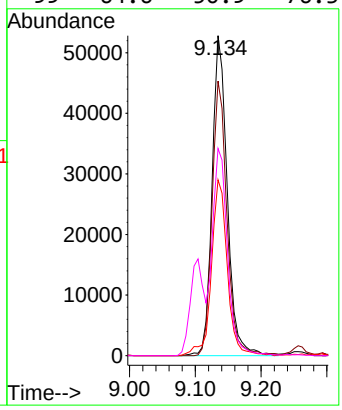




#55
1,1,2-Trichloroethane
Concen: 49.233 ug/l
RT: 9.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 97 Resp: 8488

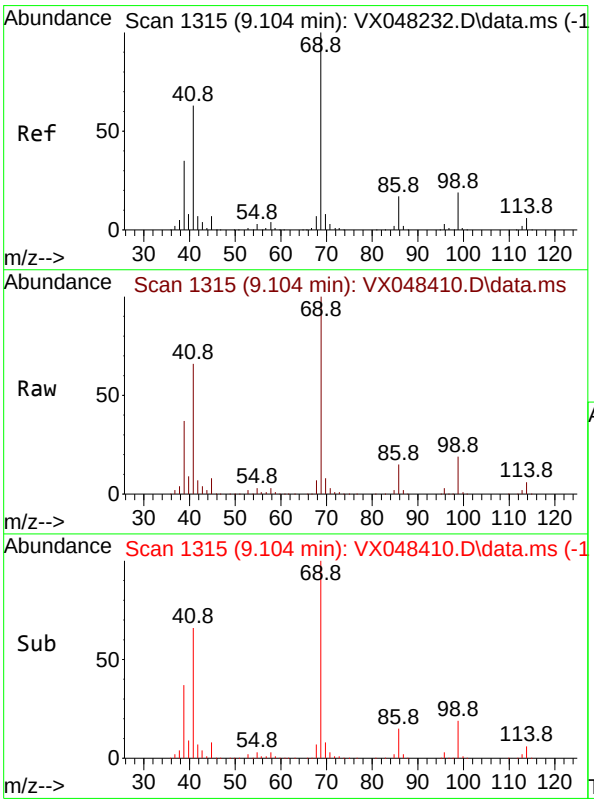
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.6	105.8
85	55.0	45.0	67.6
99	64.6	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

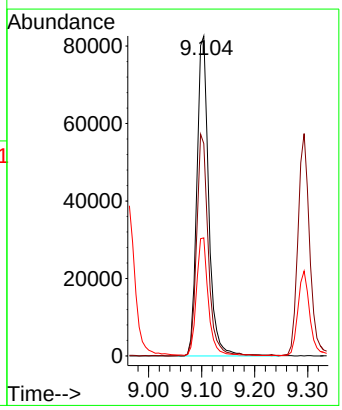
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

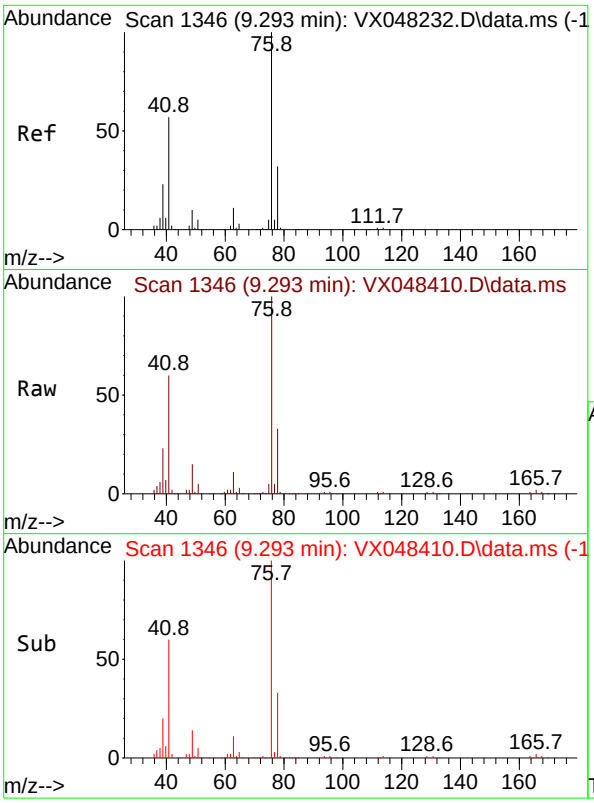


#56
Ethyl methacrylate
Concen: 50.827 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 69 Resp: 128314

Ion	Ratio	Lower	Upper
69	100		
41	68.1	56.0	84.0
39	37.0	31.6	47.4

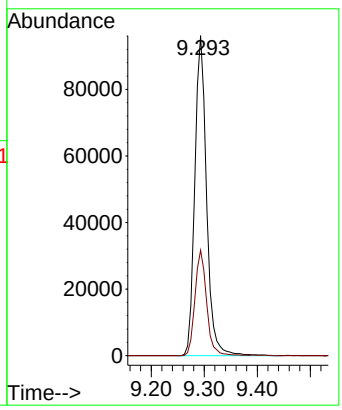




#57
1,3-Dichloropropane
Concen: 49.531 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 76 Resp: 14806

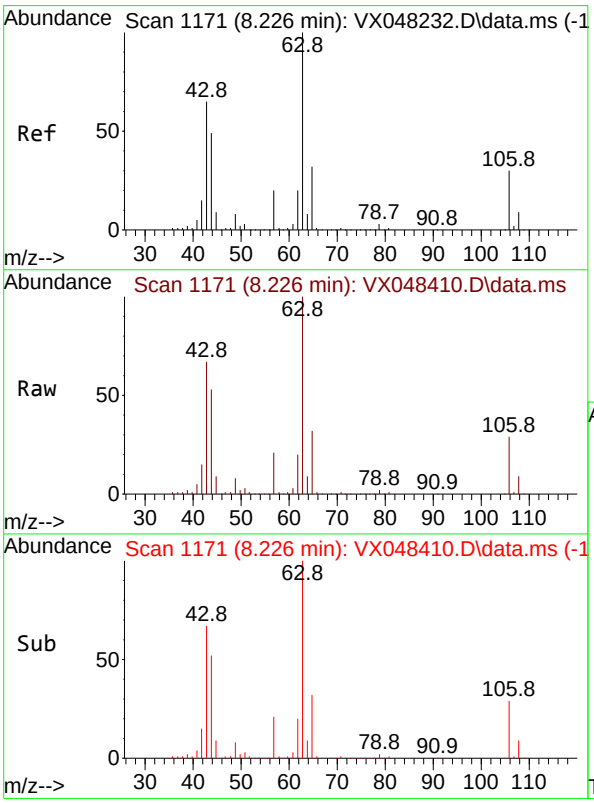
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

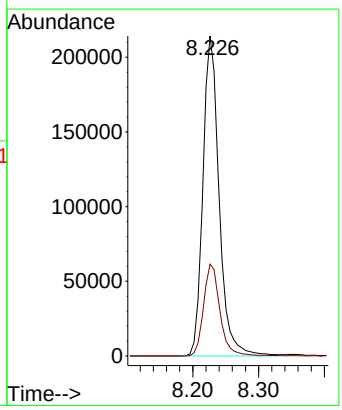
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

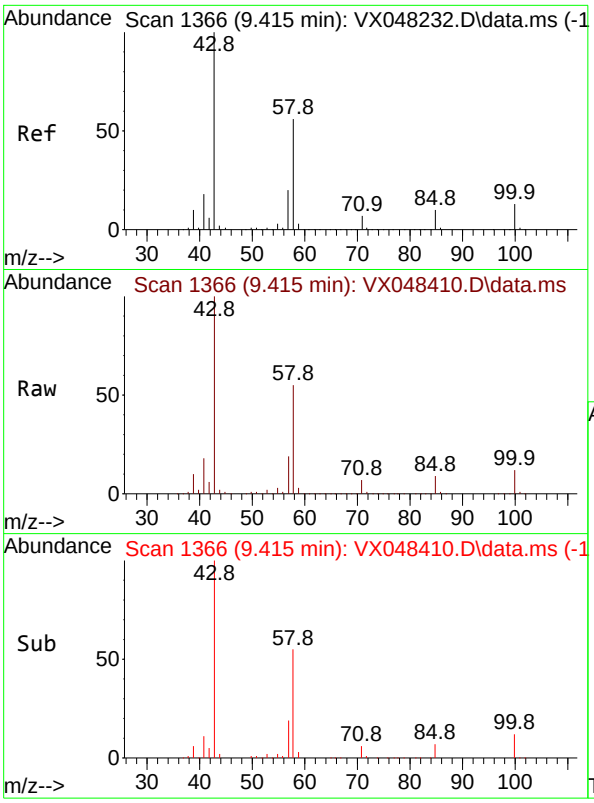


#58
2-Chloroethyl Vinyl ether
Concen: 244.619 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 63 Resp: 367501

Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.2	33.2

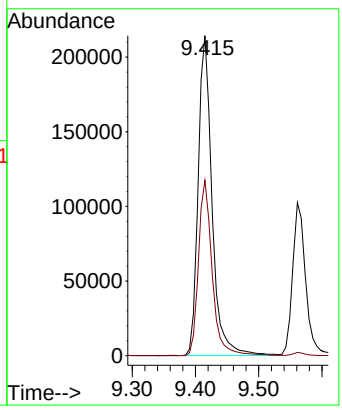




#59
2-Hexanone
Concen: 257.761 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 32767

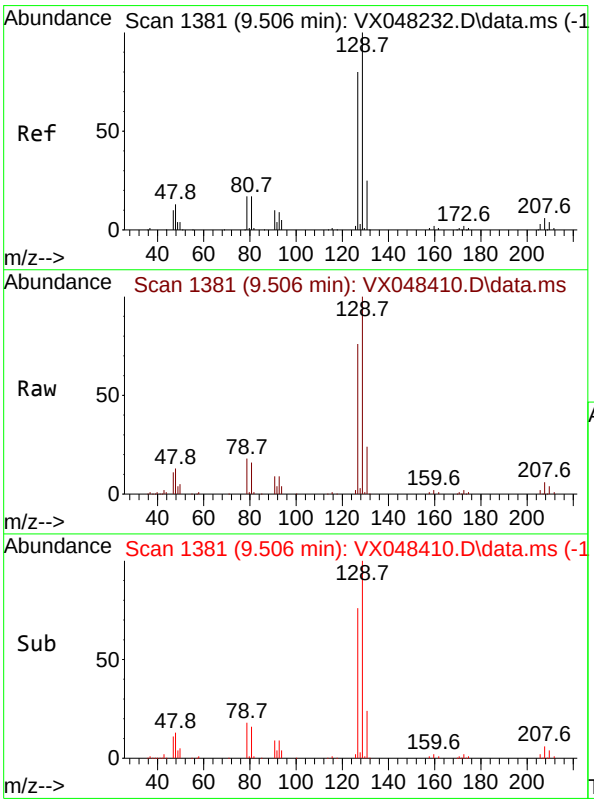
Ion	Ratio	Lower	Upper
43	100		
58	54.2	26.3	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

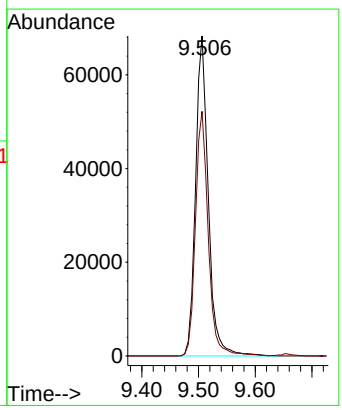
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

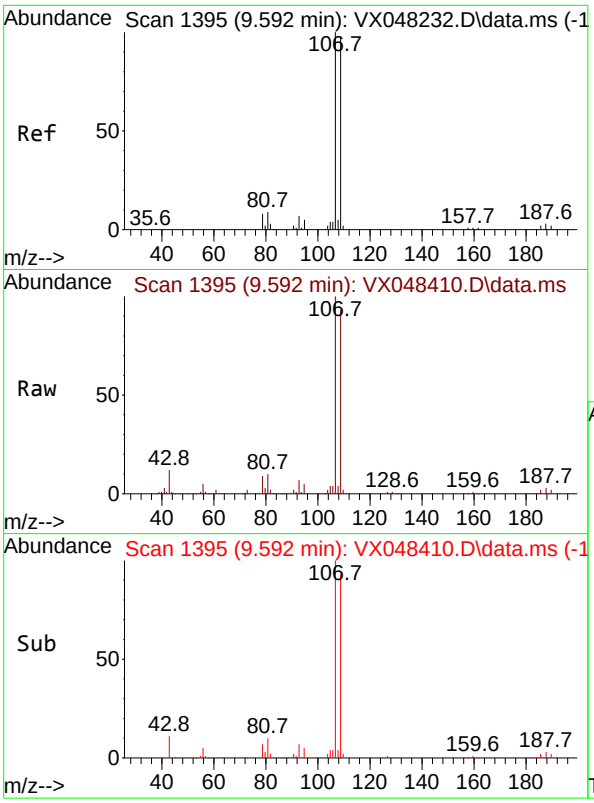


#60
Dibromochloromethane
Concen: 49.868 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:129 Resp: 106333

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7





#61
1,2-Dibromoethane
Concen: 49.875 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

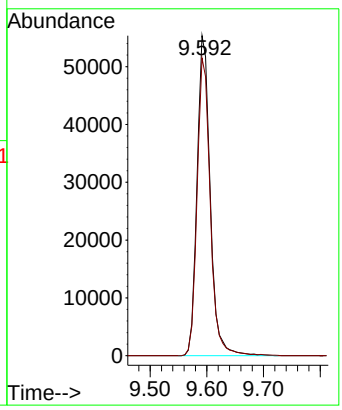
Tgt Ion:107 Resp: 8895

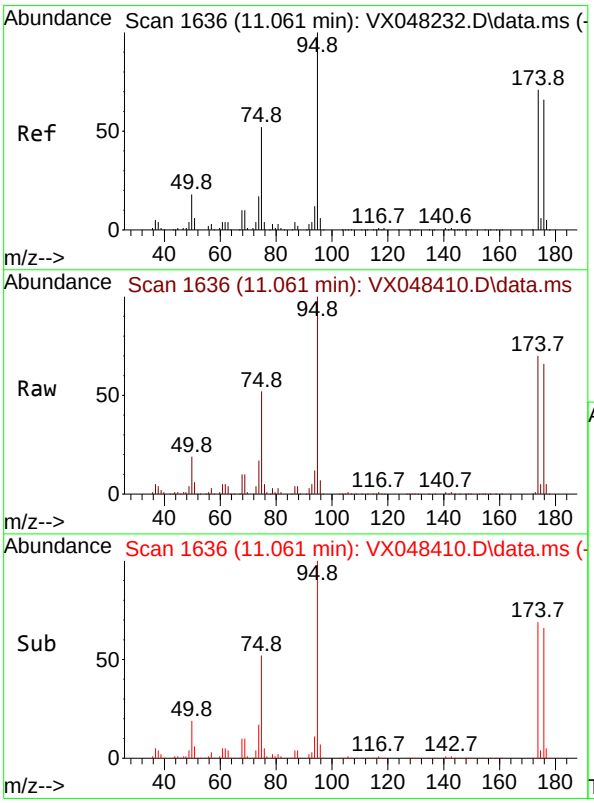
Ion	Ratio	Lower	Upper
107	100		
109	93.7	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

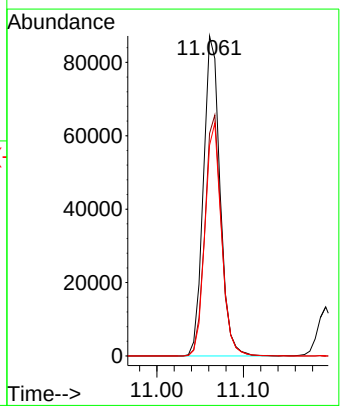


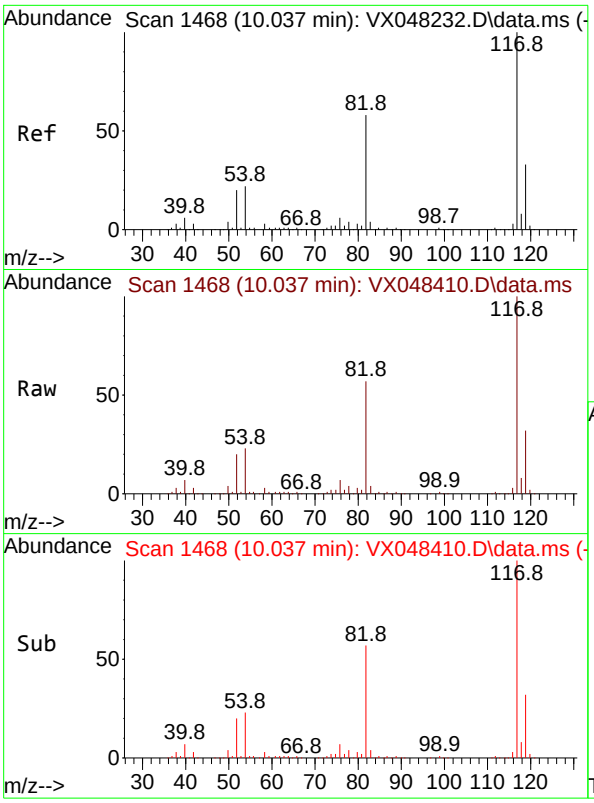


#62
4-Bromofluorobenzene
Concen: 47.402 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 95 Resp: 116328

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	147.8
176	72.2	0.0	142.8

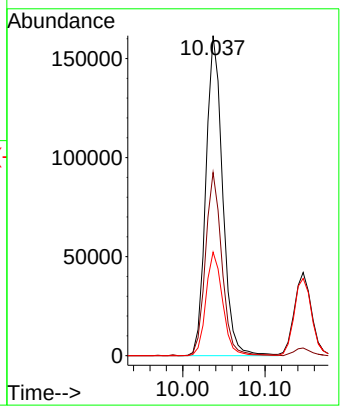




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:117 Resp: 22811

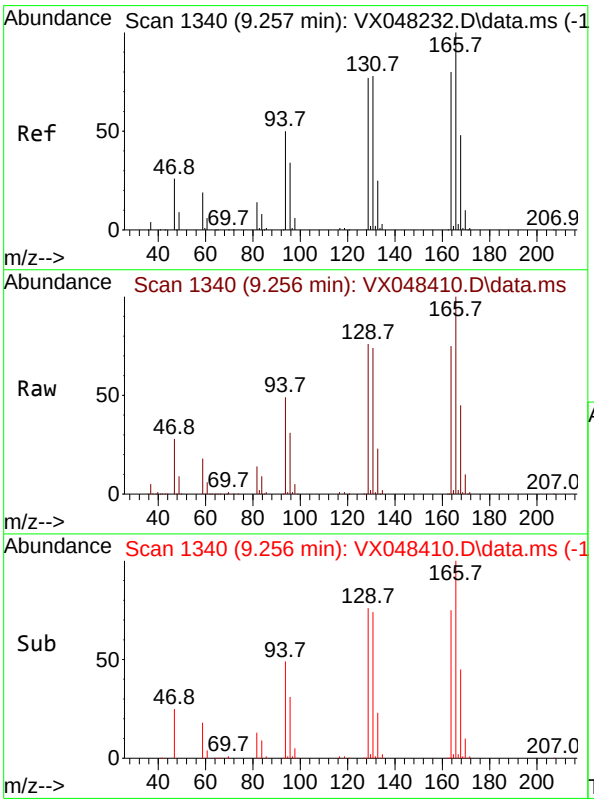
Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.5	69.7
119	32.3	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

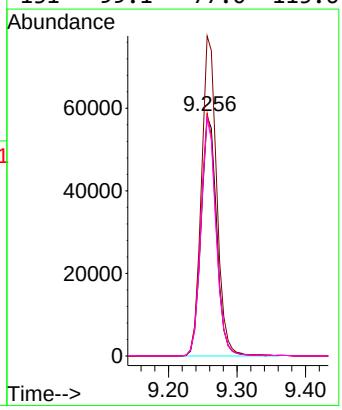
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

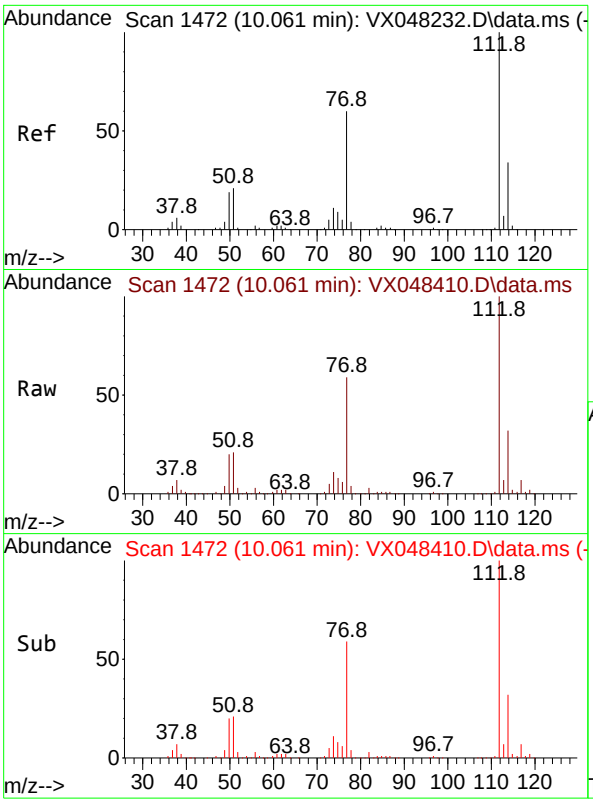


#64
Tetrachloroethene
Concen: 49.898 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:164 Resp: 91666

Ion	Ratio	Lower	Upper
164	100		
166	133.5	104.5	156.7
129	101.2	81.8	122.6
131	99.1	77.0	115.6

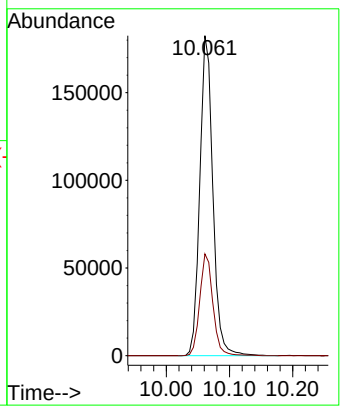




#65
Chlorobenzene
Concen: 49.930 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:112 Resp: 26240

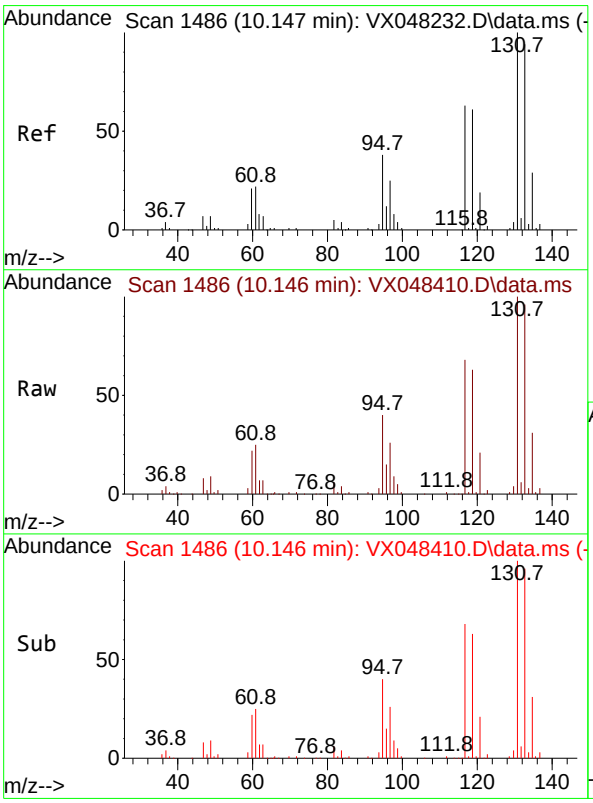
Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

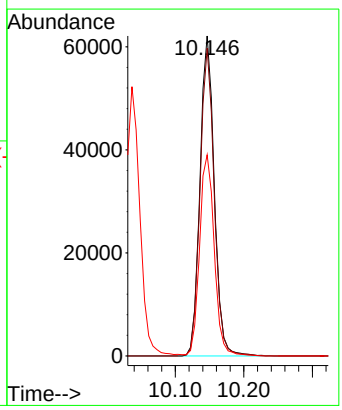
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

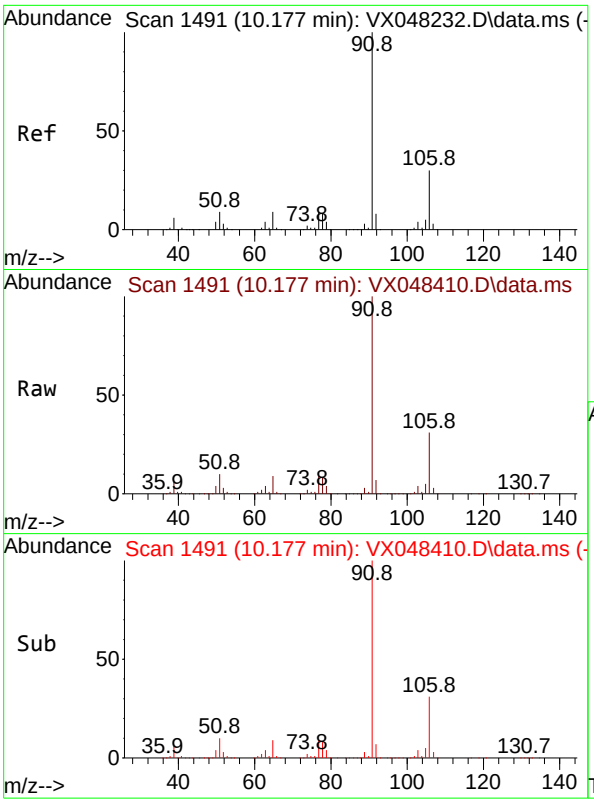


#66
1,1,1,2-Tetrachloroethane
Concen: 50.557 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:131 Resp: 90376

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.6	142.8
119	64.5	32.5	97.5

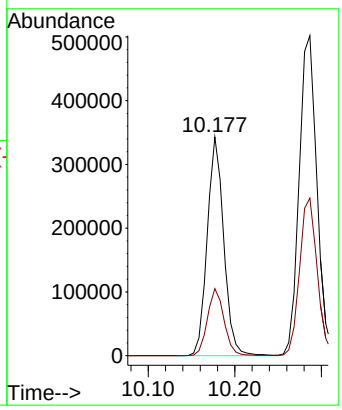




#67
Ethyl Benzene
Concen: 51.416 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 91 Resp: 45496

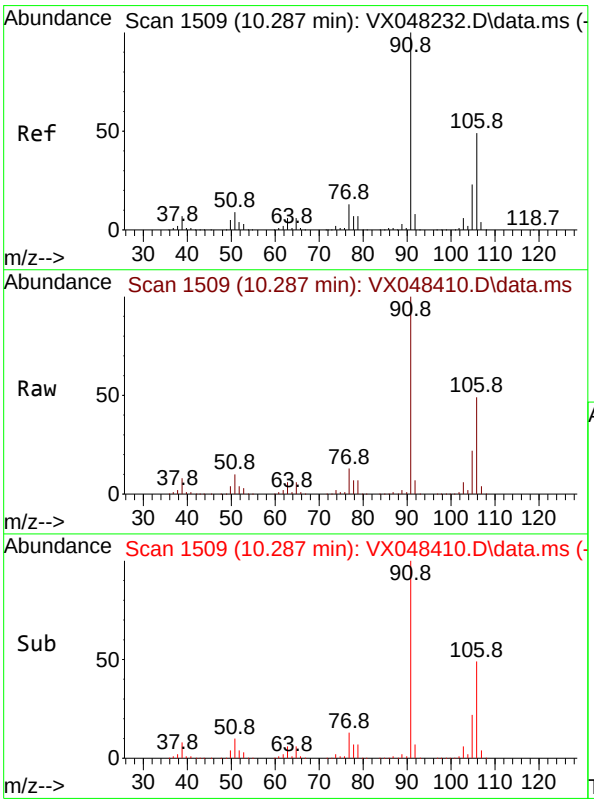
Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

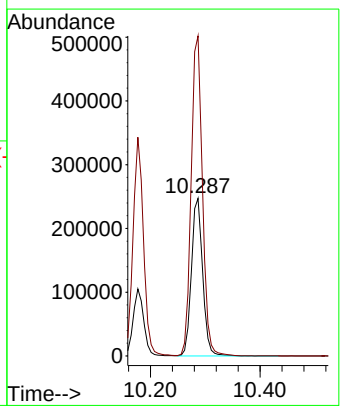
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

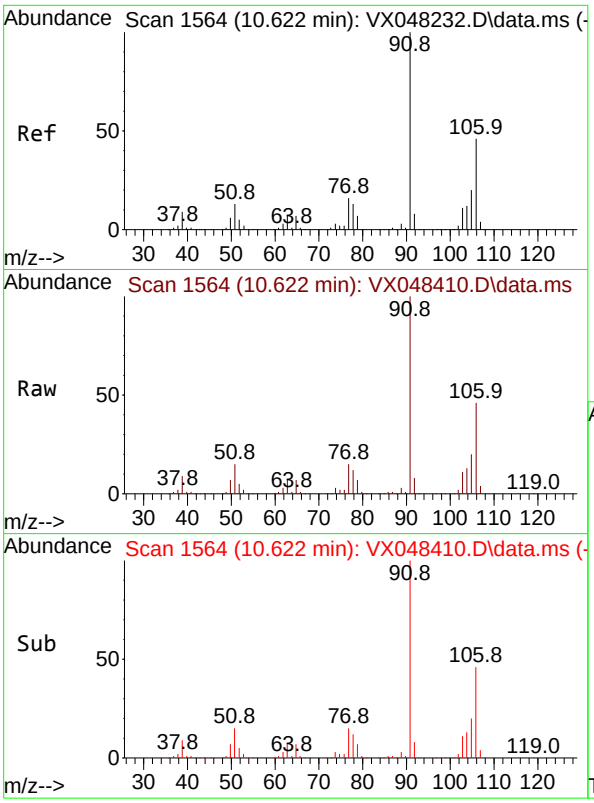


#68
m/p-Xylenes
Concen: 105.303 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:106 Resp: 352803

Ion	Ratio	Lower	Upper
106	100		
91	203.9	167.9	251.9

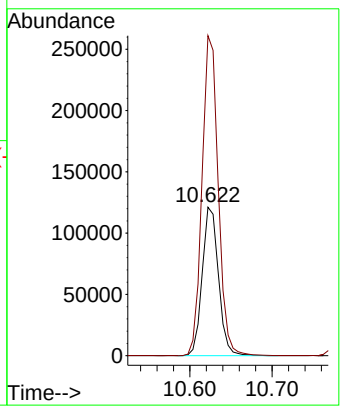




#69
o-Xylene
Concen: 51.964 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:106 Resp: 16636

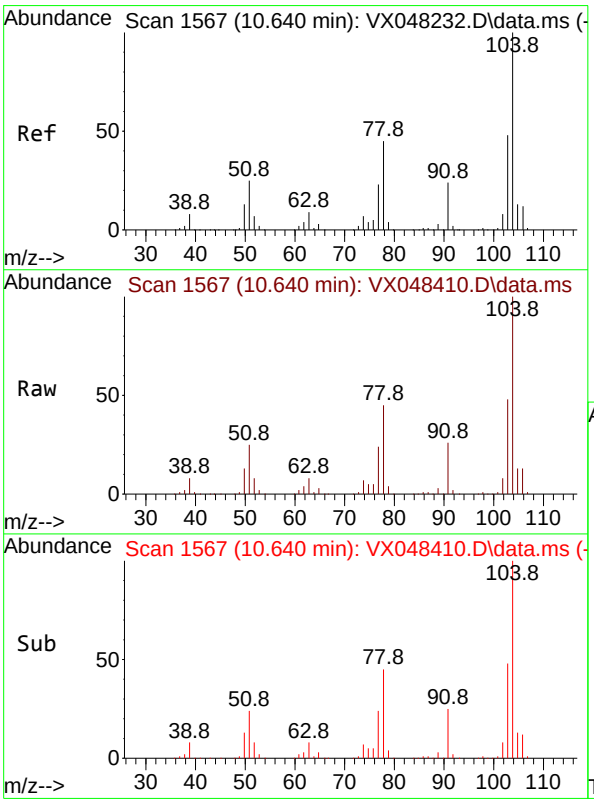
Ion	Ratio	Lower	Upper
106	100		
91	214.7	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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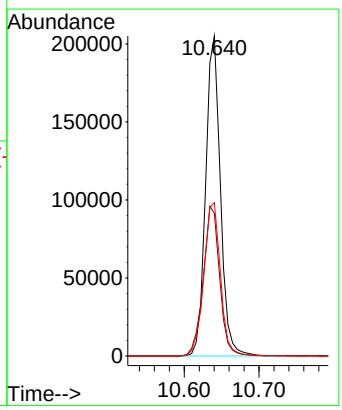
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

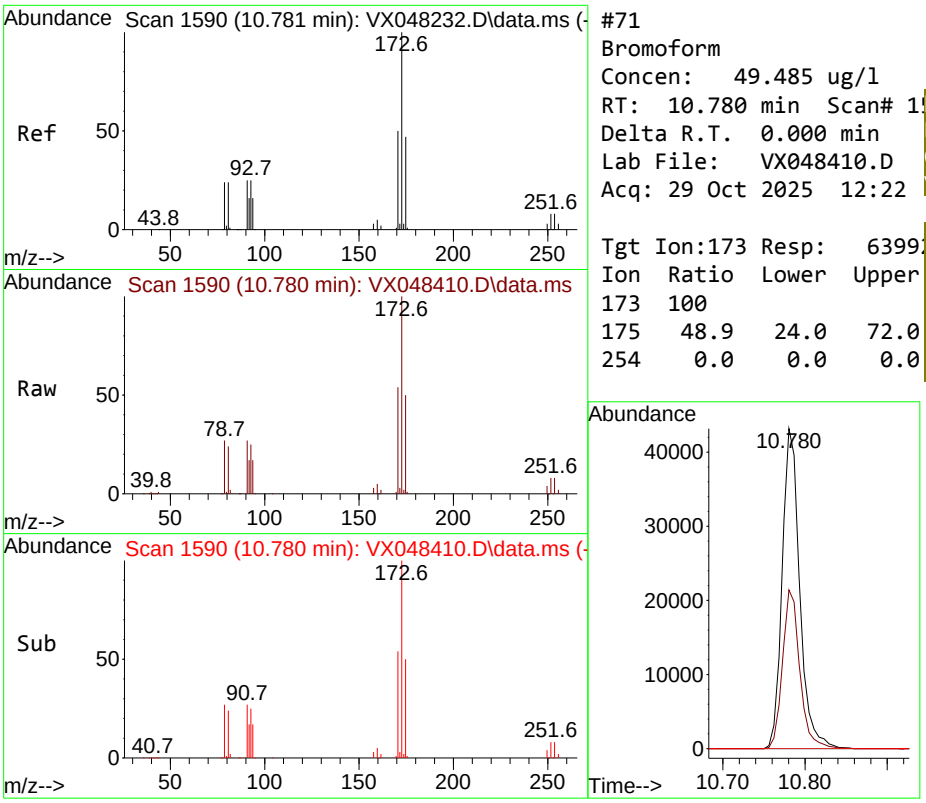


#70
Styrene
Concen: 51.956 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:104 Resp: 281789

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.2	63.4
103	53.9	43.0	64.4





#71
Bromoform
Concen: 49.485 ug/l
RT: 10.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

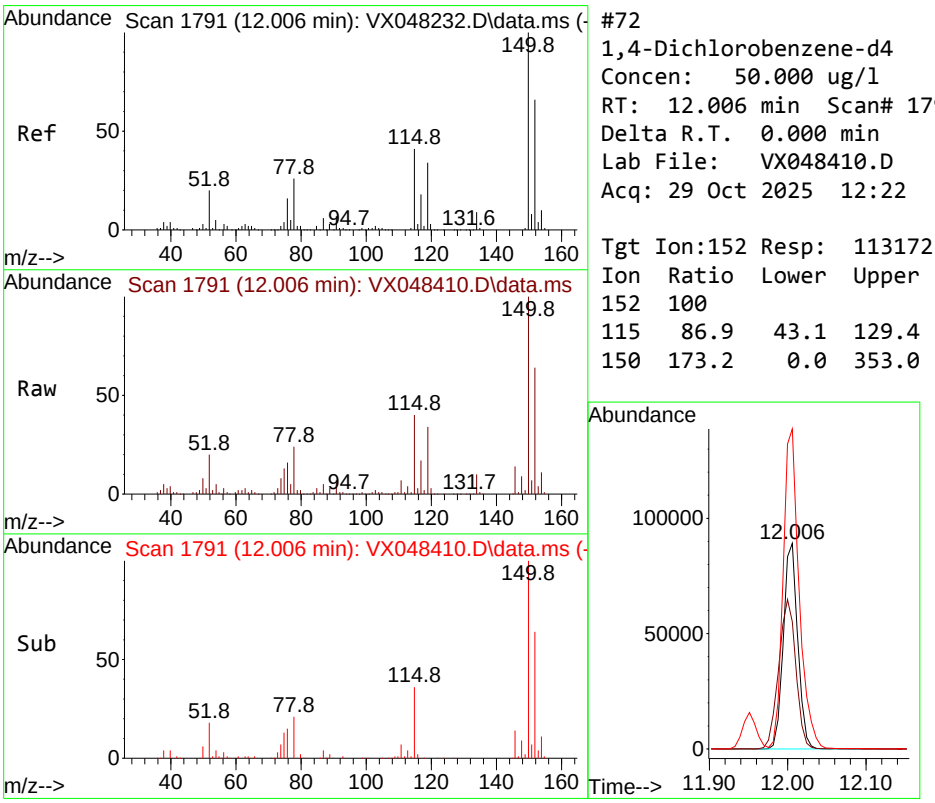
Tgt Ion:173 Resp: 6399

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.0	72.0
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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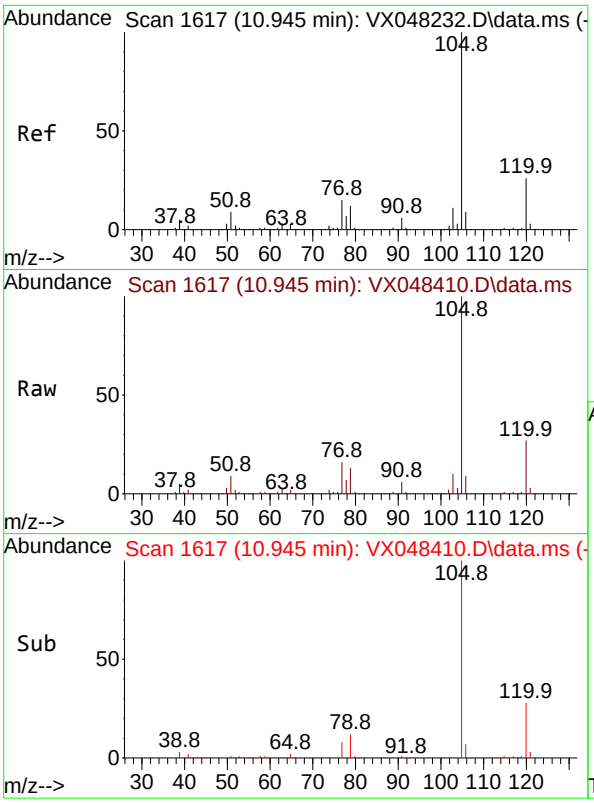
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:152 Resp: 113172

Ion	Ratio	Lower	Upper
152	100		
115	86.9	43.1	129.4
150	173.2	0.0	353.0



#73
Isopropylbenzene
Concen: 51.927 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

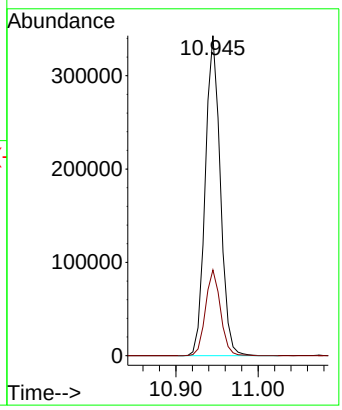
Tgt Ion:105 Resp: 43467

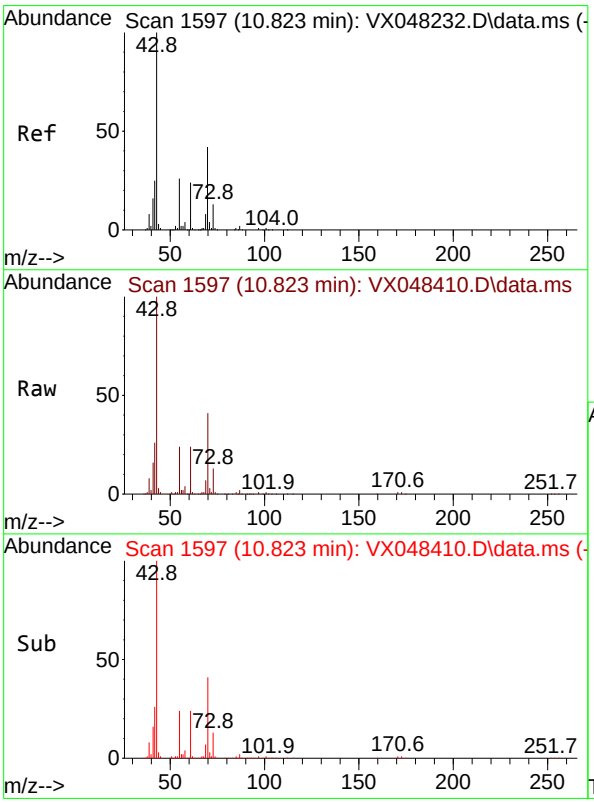
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.0	38.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

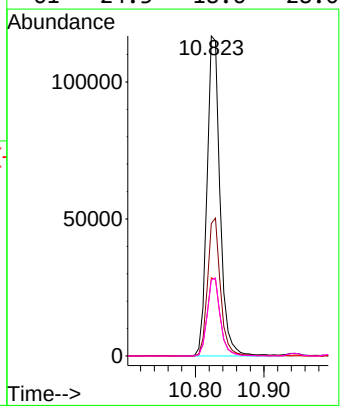


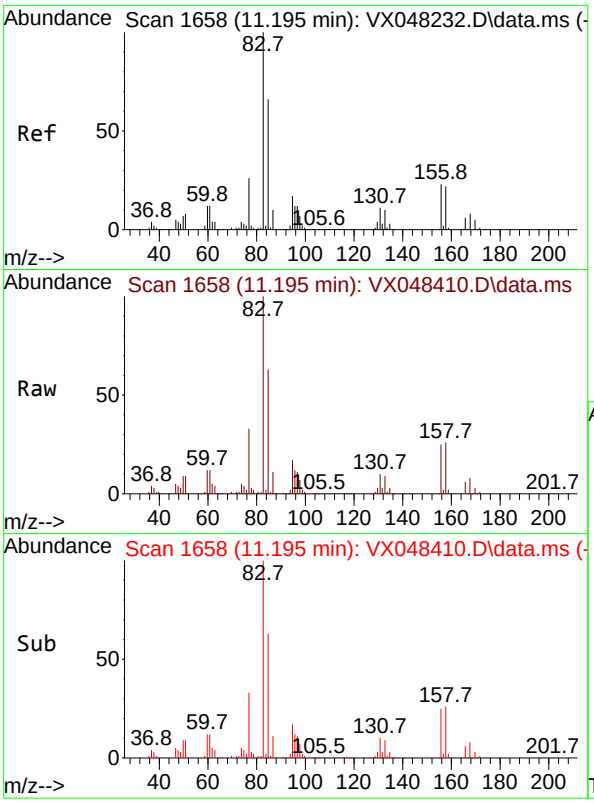


#74
N-amyl acetate
Concen: 51.815 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 43 Resp: 154727

Ion	Ratio	Lower	Upper
43	100		
70	42.4	32.2	48.2
55	24.6	19.1	28.7
61	24.3	18.6	28.0

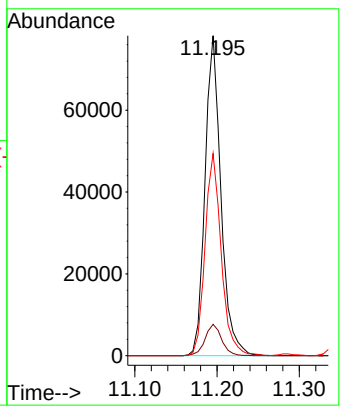




#75
1,1,2,2-Tetrachloroethane
Concen: 49.570 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 83 Resp: 10510

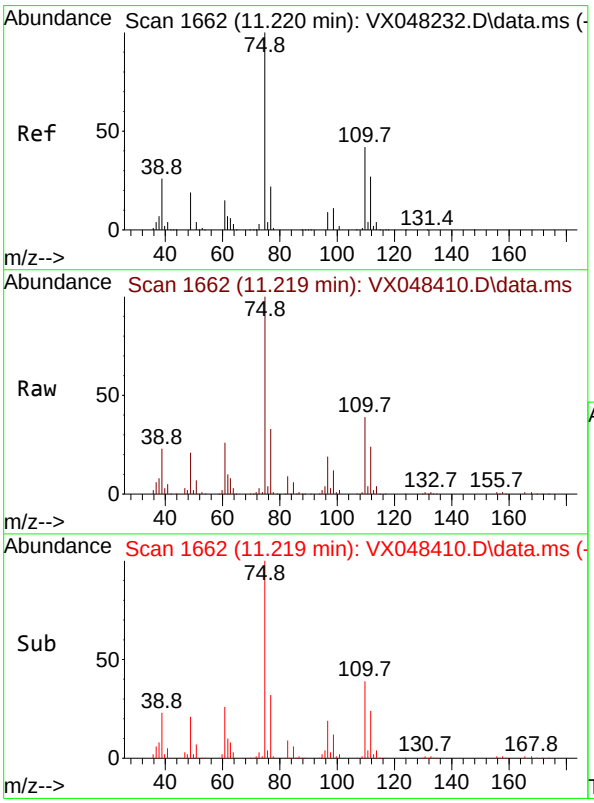
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.4
85	64.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

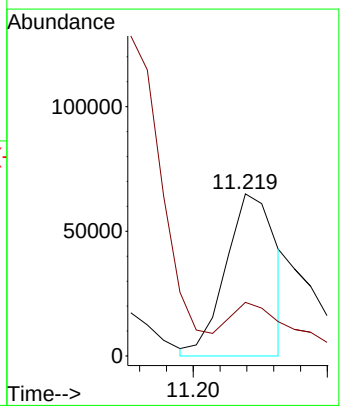
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

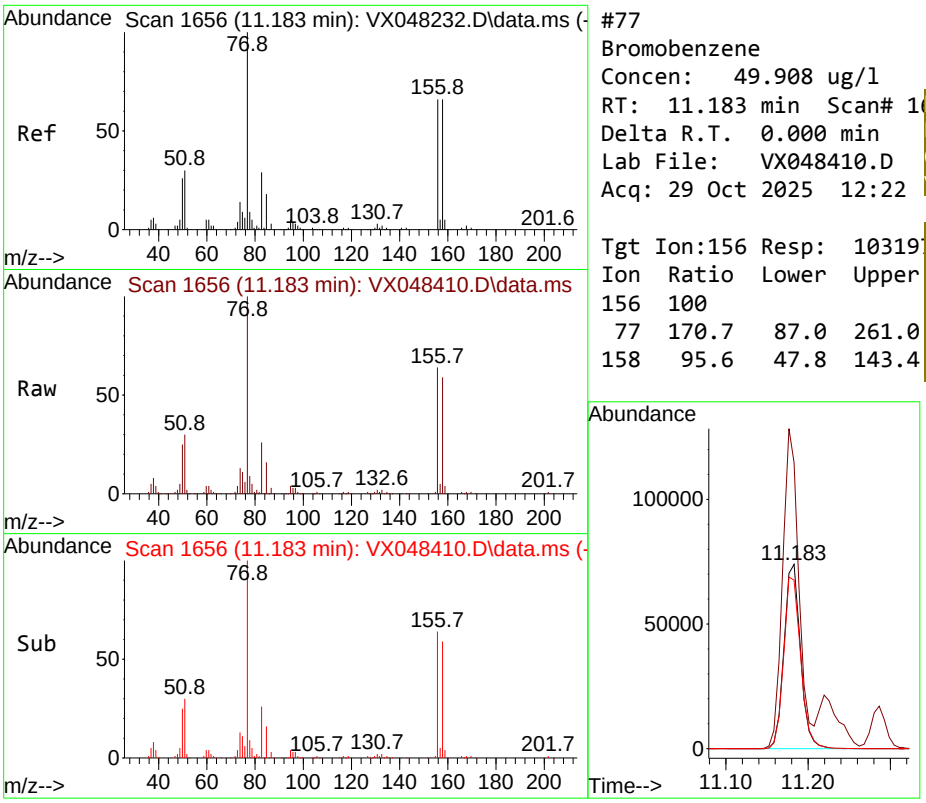


#76
1,2,3-Trichloropropane
Concen: 47.668 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 75 Resp: 84138

Ion	Ratio	Lower	Upper
75	100		
77	42.7	22.4	67.2





#77
Bromobenzene
Concen: 49.908 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

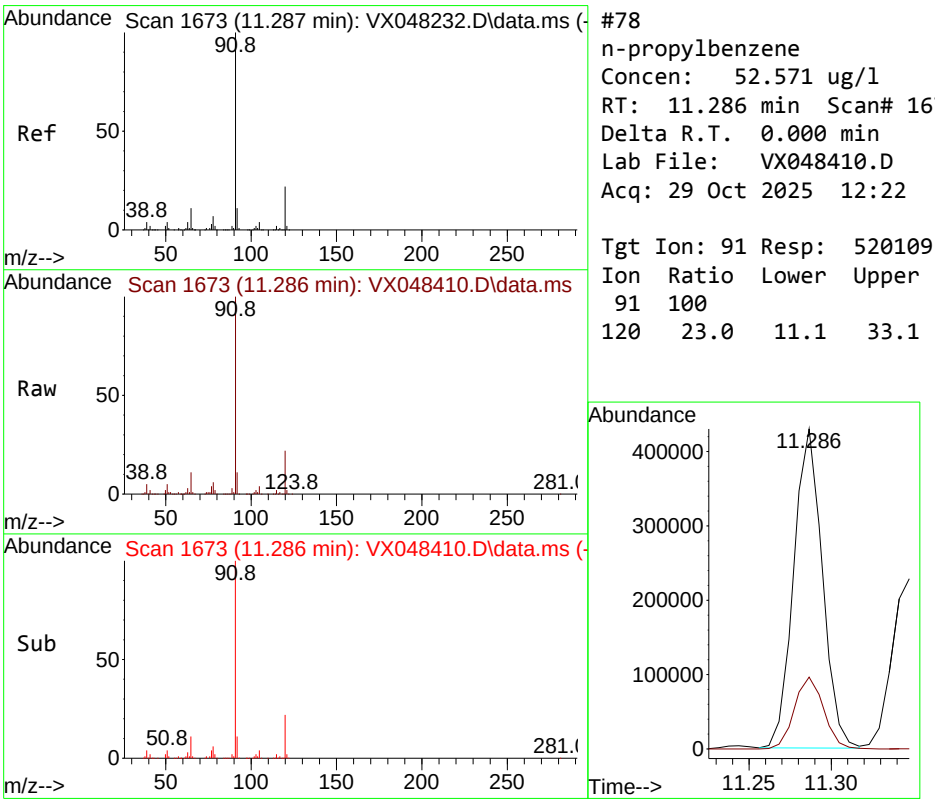
Tgt Ion:156 Resp: 10319

Ion	Ratio	Lower	Upper
156	100		
77	170.7	87.0	261.0
158	95.6	47.8	143.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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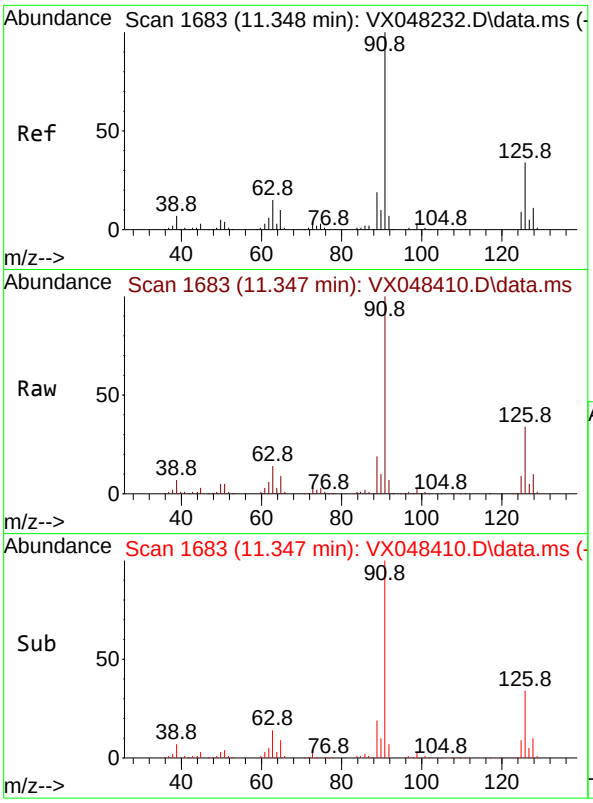
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#78
n-propylbenzene
Concen: 52.571 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 91 Resp: 520109

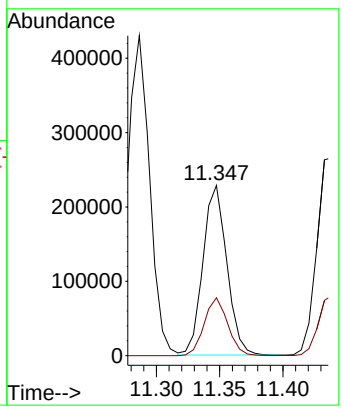
Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.1	33.1



#79
2-Chlorotoluene
Concen: 50.527 ug/l
RT: 11.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 91 Resp: 30013

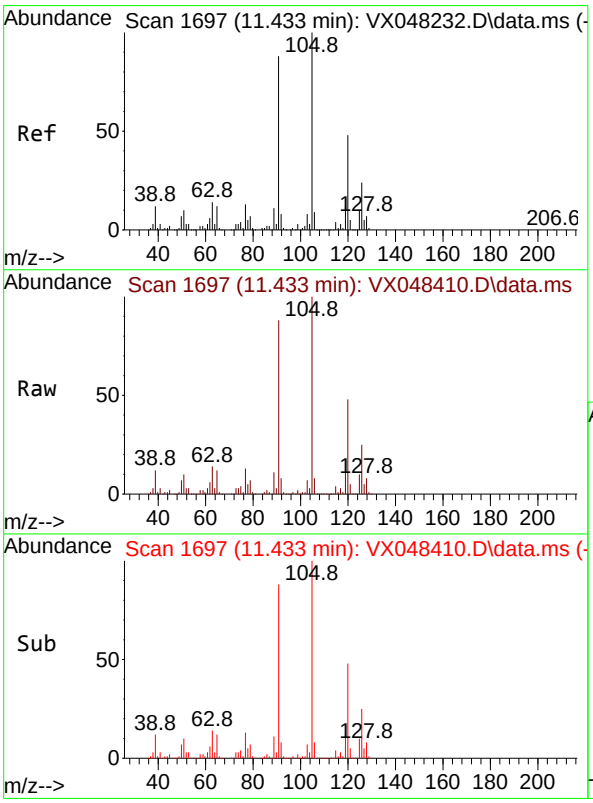
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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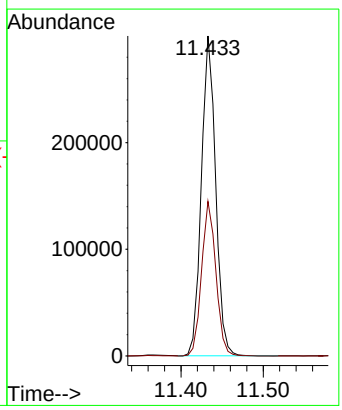
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

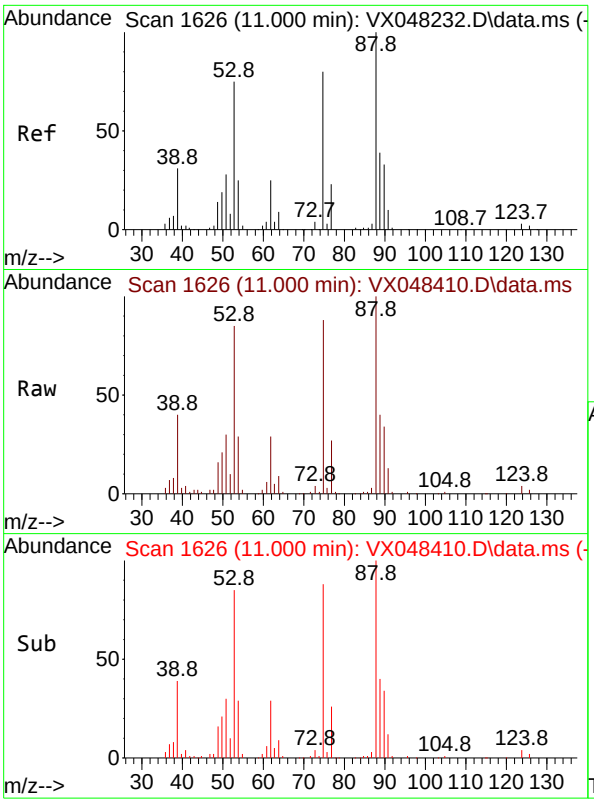


#80
1,3,5-Trimethylbenzene
Concen: 52.677 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:105 Resp: 361457

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.0	72.0

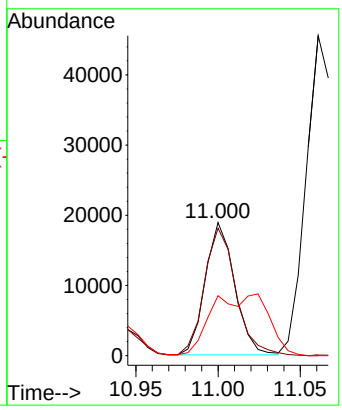




#81
trans-1,4-Dichloro-2-butene
Concen: 50.010 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 75 Resp: 2352

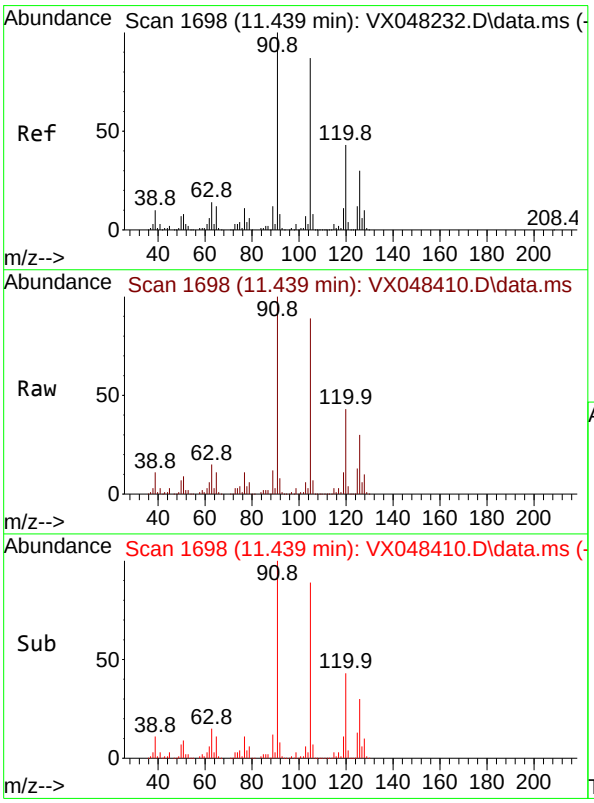
Ion	Ratio	Lower	Upper
75	100		
53	103.8	79.5	119.3
89	0.0	36.8	55.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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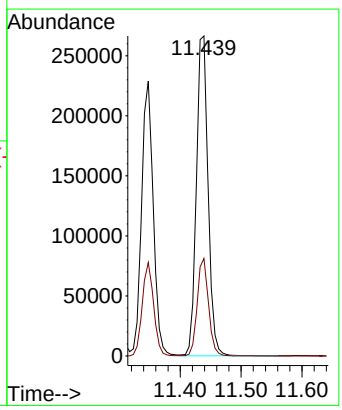
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

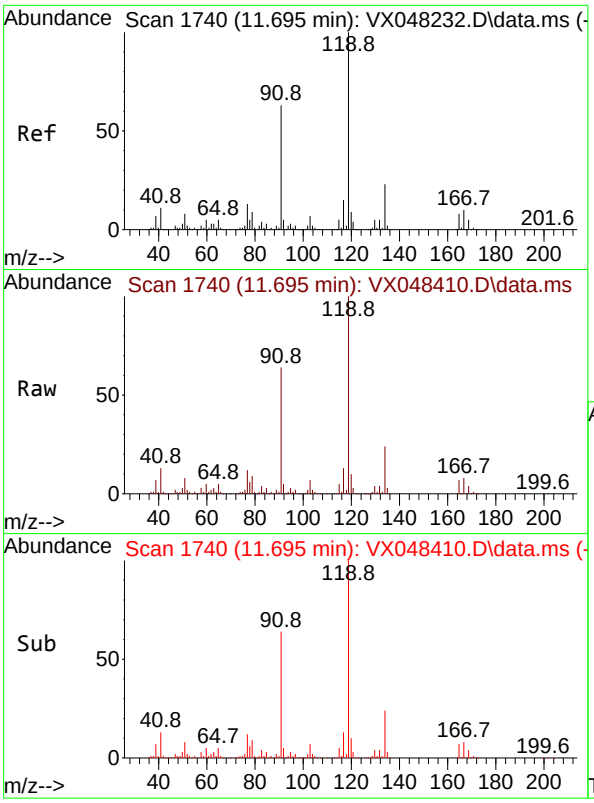


#82
4-Chlorotoluene
Concen: 50.648 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 91 Resp: 353680

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.1	42.4

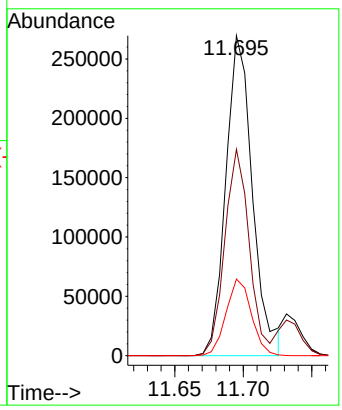




#83
tert-Butylbenzene
Concen: 52.099 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:119 Resp: 36394

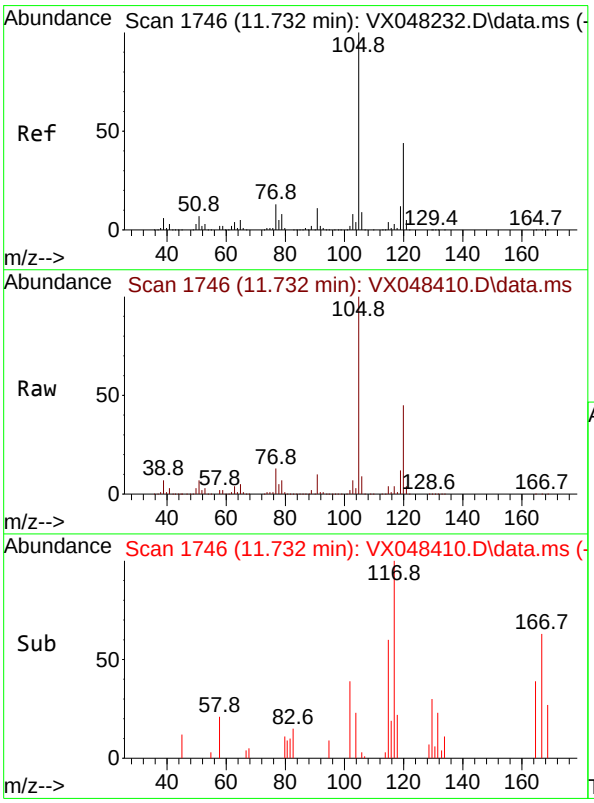
Ion	Ratio	Lower	Upper
119	100		
91	59.4	30.3	91.0
134	22.9	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

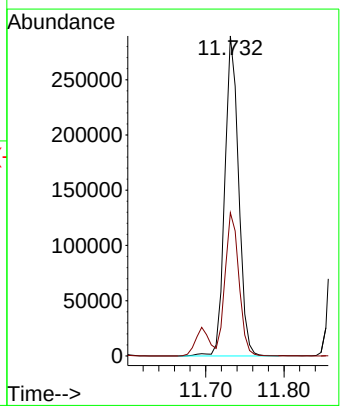
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

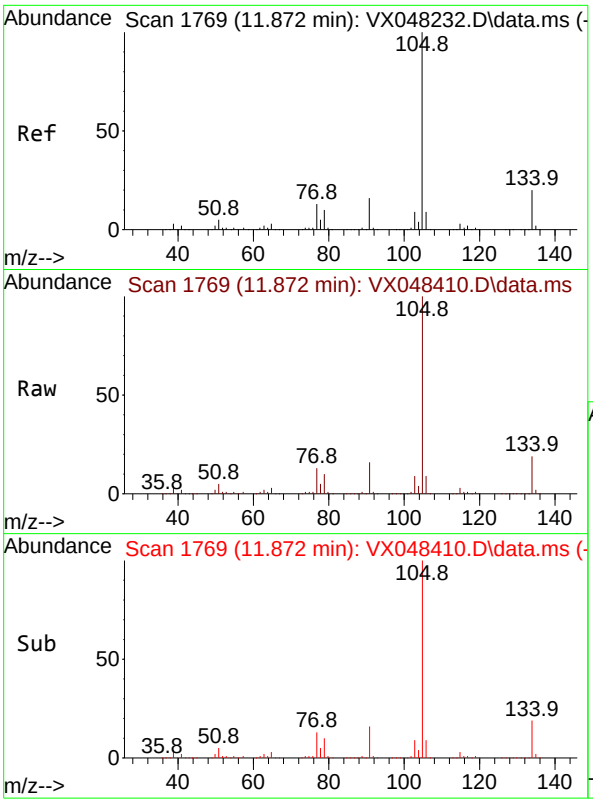


#84
1,2,4-Trimethylbenzene
Concen: 52.328 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:105 Resp: 355520

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5

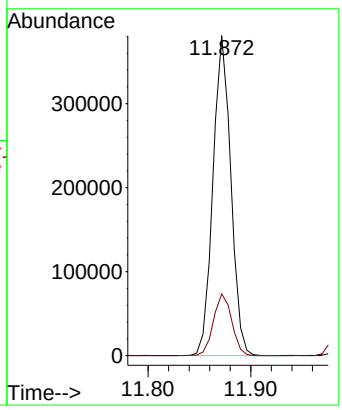




#85
sec-Butylbenzene
Concen: 52.681 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:105 Resp: 45854

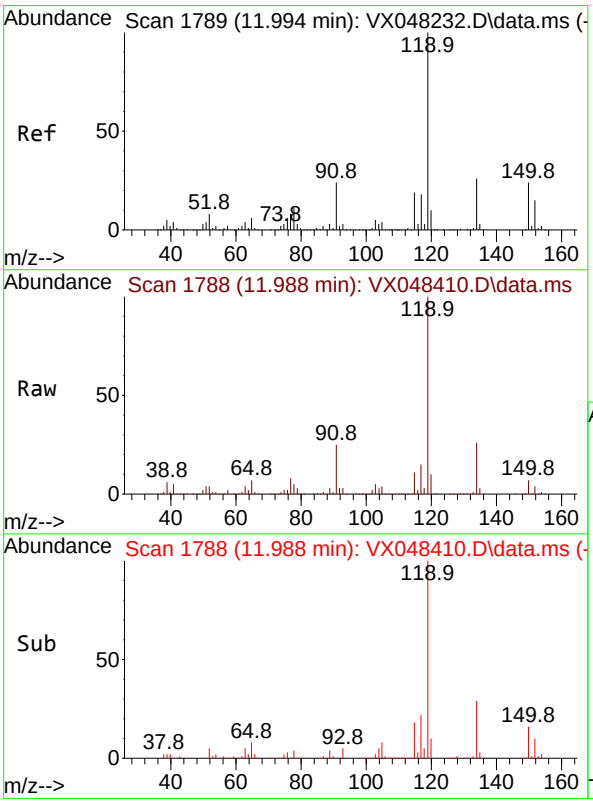
Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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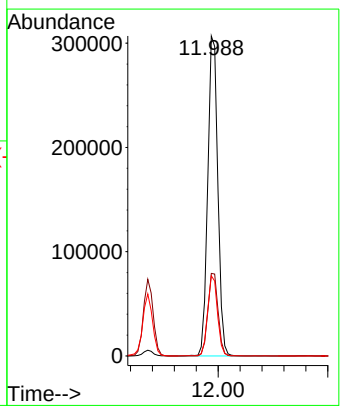
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

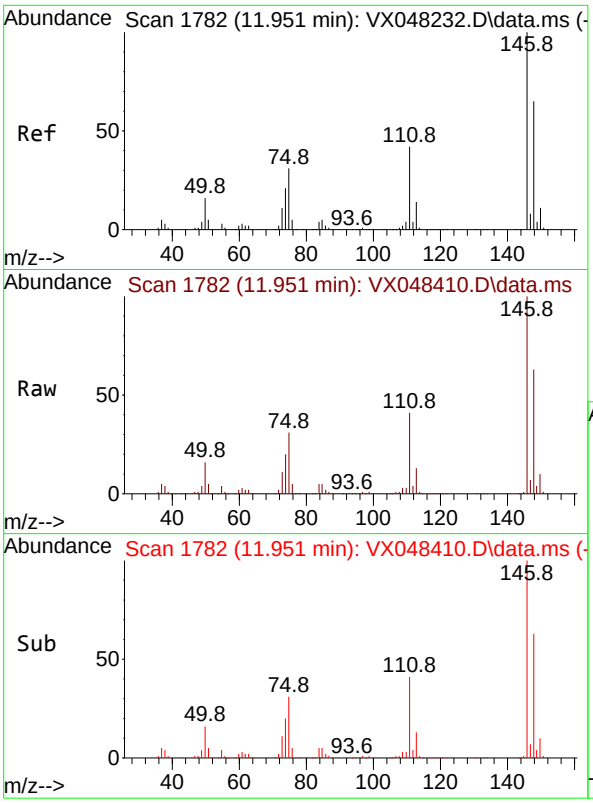


#86
p-Isopropyltoluene
Concen: 52.824 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:119 Resp: 388711

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	39.0
91	24.7	12.1	36.3

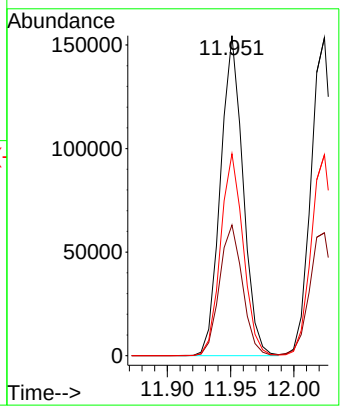




#87
1,3-Dichlorobenzene
Concen: 48.436 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:146 Resp: 19126

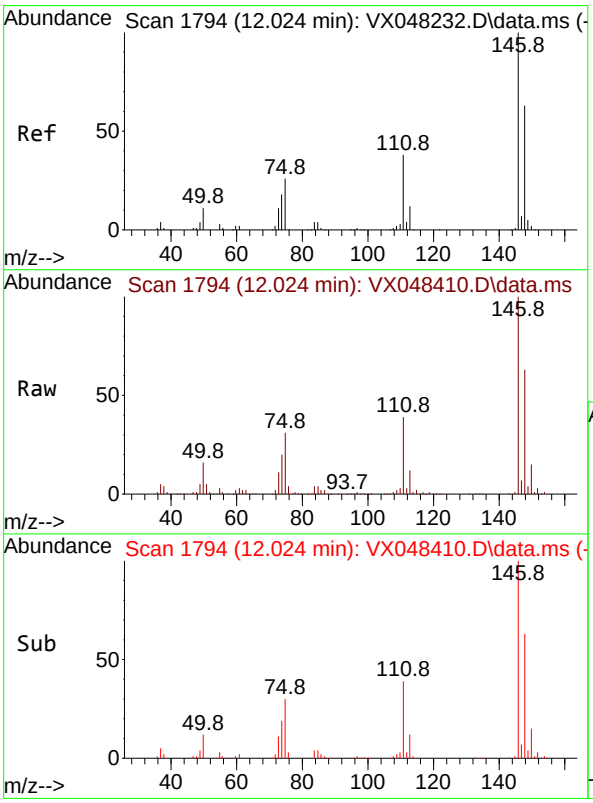
Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.2
148	63.3	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

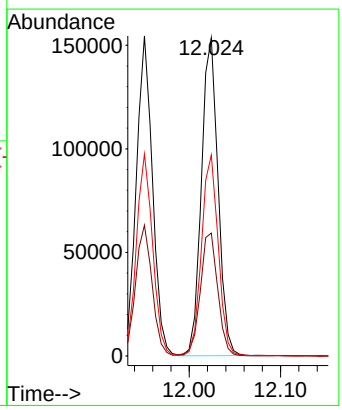
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

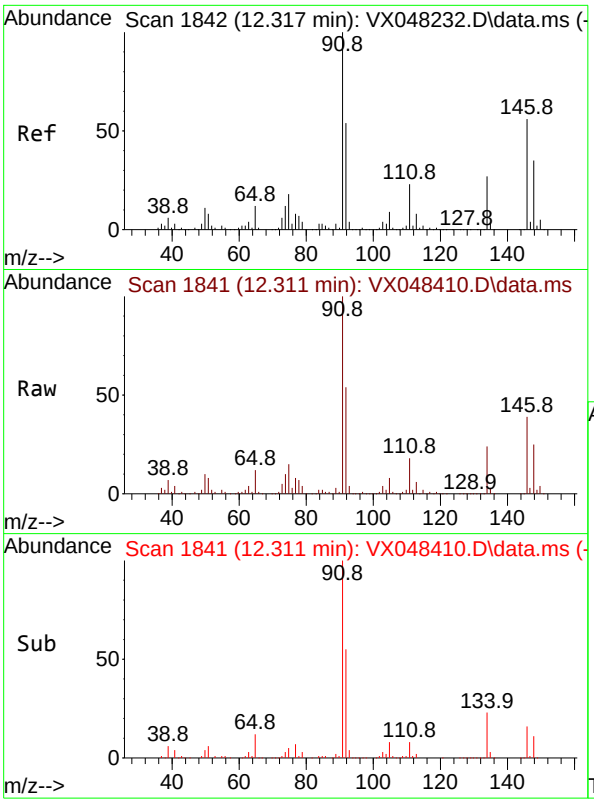


#88
1,4-Dichlorobenzene
Concen: 48.113 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:146 Resp: 193511

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	63.6	31.8	95.3

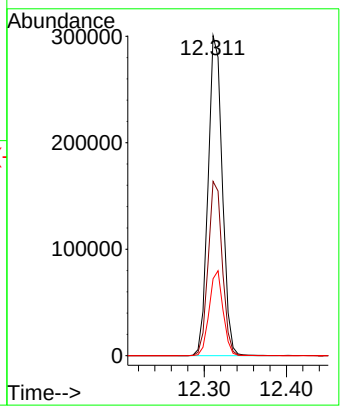




#89
n-Butylbenzene
Concen: 52.145 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 91 Resp: 36026

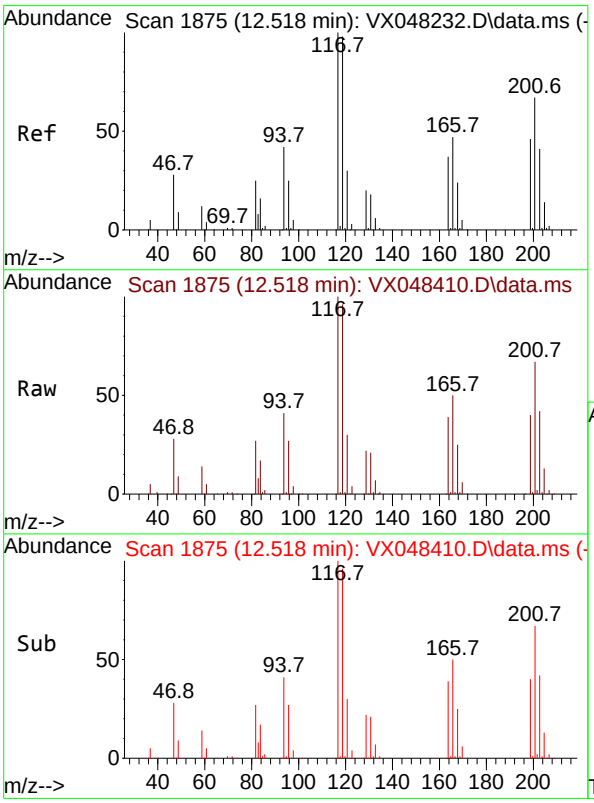
Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.9	80.6
134	25.9	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

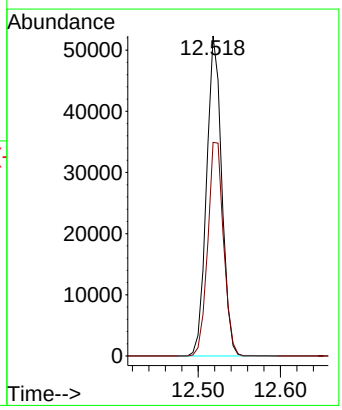
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

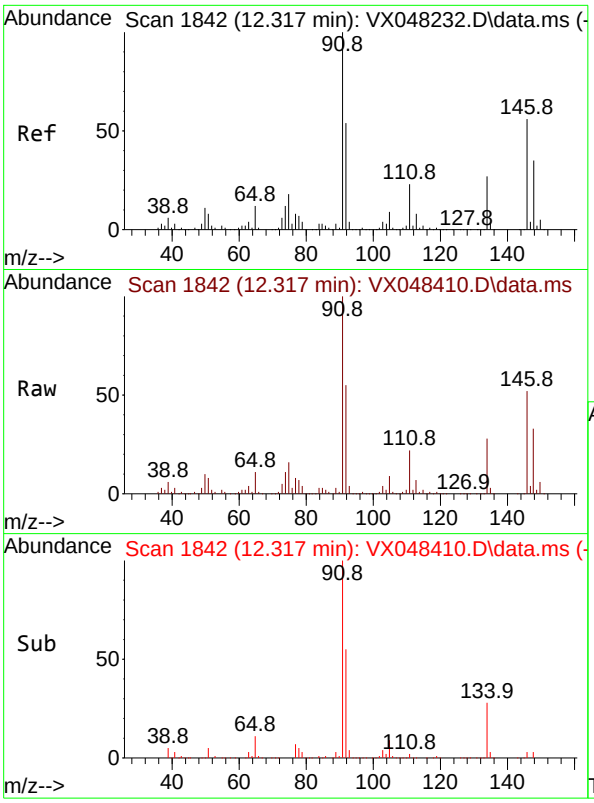


#90
Hexachloroethane
Concen: 51.954 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:117 Resp: 67177

Ion	Ratio	Lower	Upper
117	100		
201	69.3	34.1	102.2

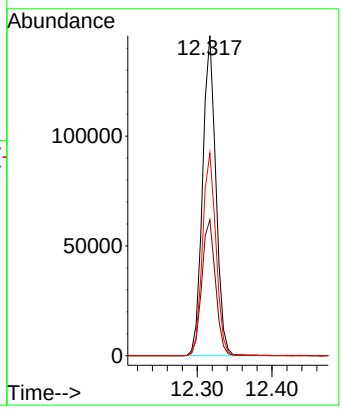




#91
1,2-Dichlorobenzene
Concen: 49.151 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:146 Resp: 17986

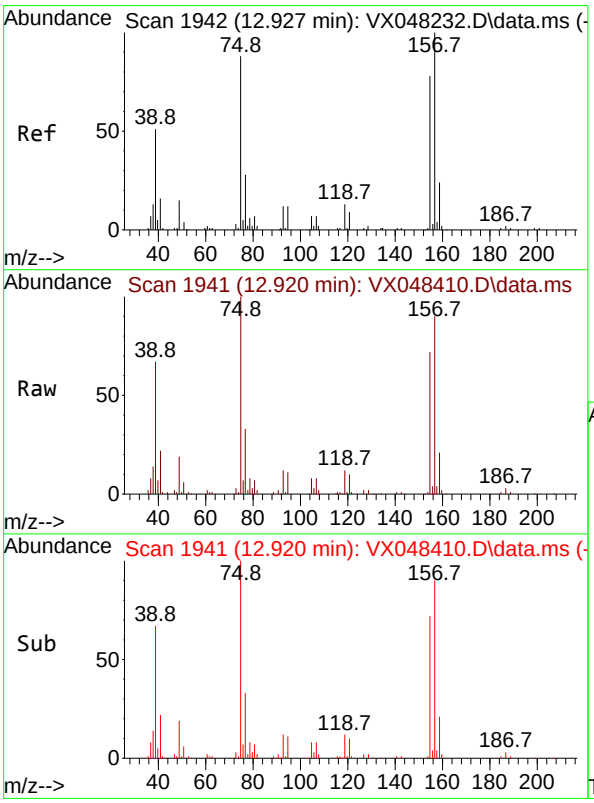
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	64.2	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

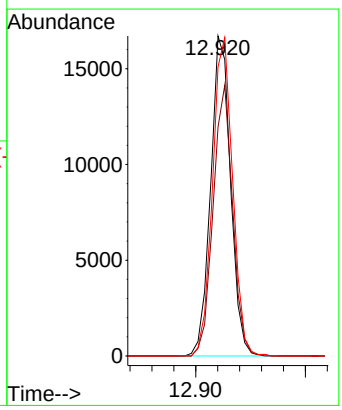
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

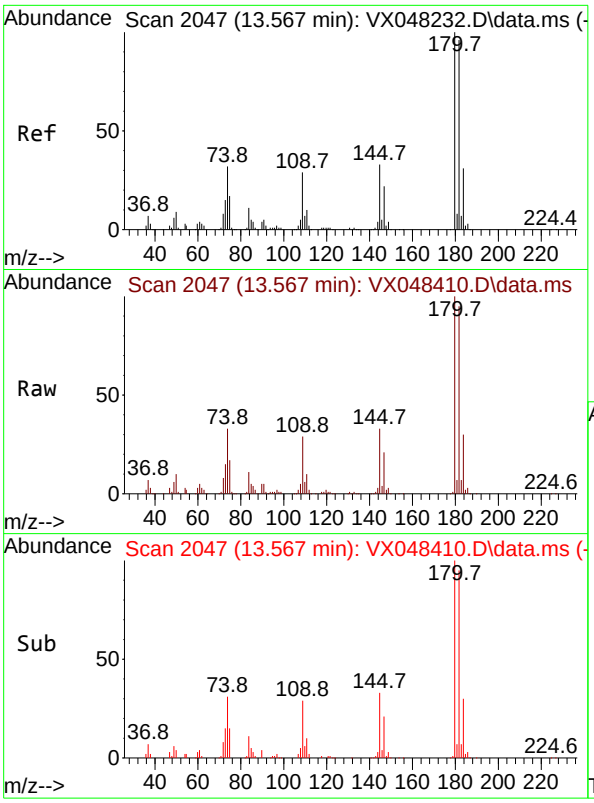


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.936 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion: 75 Resp: 21148

Ion	Ratio	Lower	Upper
75	100		
155	82.7	42.8	128.4
157	100.1	54.2	162.6

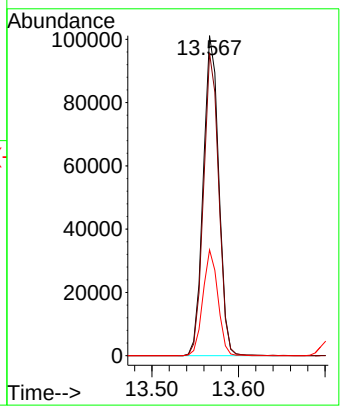




#93
1,2,4-Trichlorobenzene
Concen: 49.820 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:180 Resp: 12580

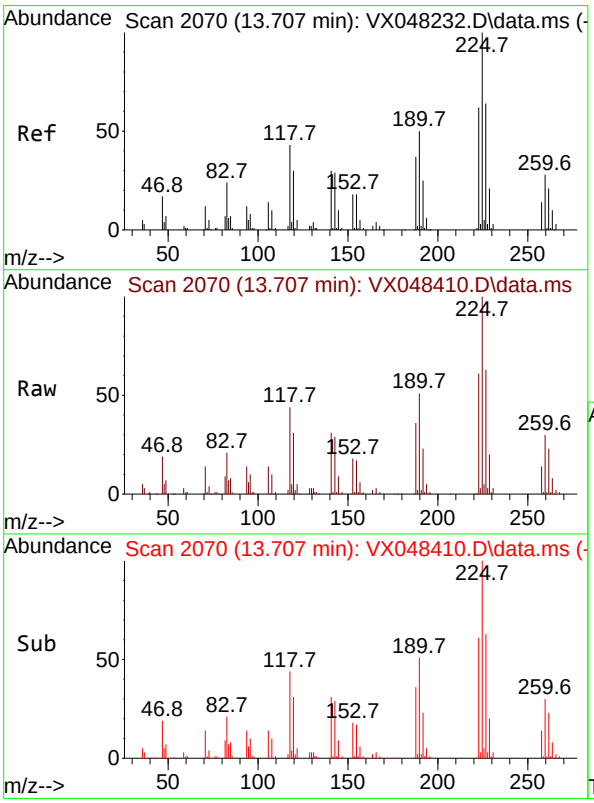
Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.3	142.0
145	32.0	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

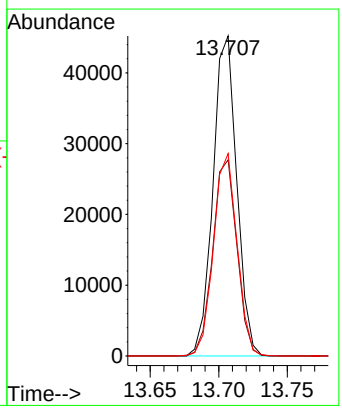
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

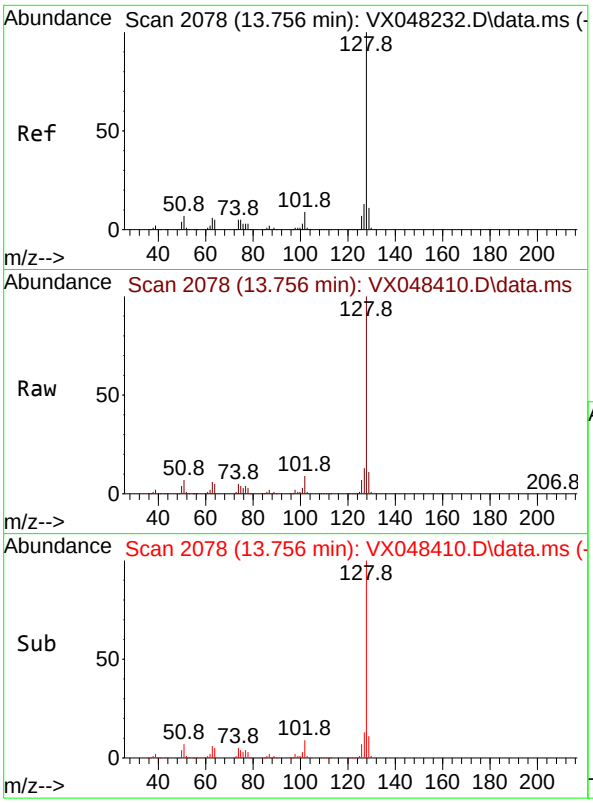


#94
Hexachlorobutadiene
Concen: 51.371 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:225 Resp: 54413

Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.6	97.7
227	62.8	32.5	97.4

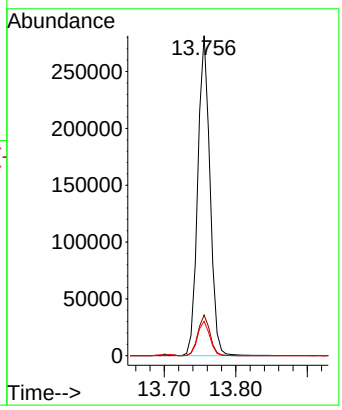




#95
Naphthalene
Concen: 52.079 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:128 Resp: 33213

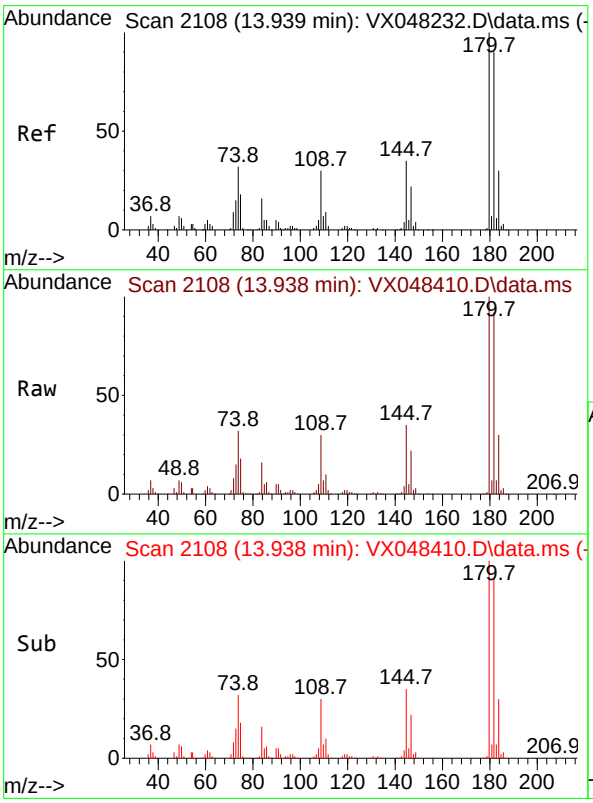
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

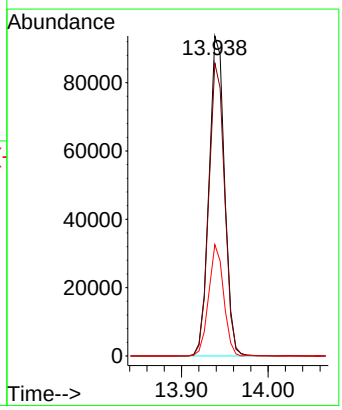
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.959 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048410.D
Acq: 29 Oct 2025 12:22

Tgt Ion:180 Resp: 116883

Ion	Ratio	Lower	Upper
180	100		
182	92.7	46.6	139.7
145	33.5	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048411.D
Acq On : 29 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	136244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	237043	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	210324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	104326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	198488	101.300	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 202.600%#			
35) Dibromofluoromethane	5.373	113	134096	99.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 198.440%#			
50) Toluene-d8	8.634	98	572267	95.926	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 191.860%#			
62) 4-Bromofluorobenzene	11.061	95	212629	95.278	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 190.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	137281	98.781	ug/l	94
3) Chloromethane	1.300	50	74538	95.062	ug/l	99
4) Vinyl Chloride	1.380	62	184353	101.782	ug/l	100
5) Bromomethane	1.611	94	64623	98.767	ug/l	96
6) Chloroethane	1.691	64	108537	100.762	ug/l	96
7) Trichlorofluoromethane	1.898	101	274205	98.791	ug/l	100
8) Diethyl Ether	2.136	74	108025	107.685	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	153910	98.581	ug/l	98
10) Methyl Iodide	2.459	142	666054	106.094	ug/l	98
11) Tert butyl alcohol	2.940	59	82628	550.424	ug/l	99
12) 1,1-Dichloroethene	2.325	96	160970	101.505	ug/l	94
13) Acrolein	2.233	56	174355	556.434	ug/l	98
14) Allyl chloride	2.666	41	274038	102.042	ug/l	98
15) Acrylonitrile	3.056	53	370003	541.798	ug/l	100
16) Acetone	2.373	43	239424	539.138	ug/l	99
17) Carbon Disulfide	2.514	76	427175	93.947	ug/l	100
18) Methyl Acetate	2.697	43	166666	112.212	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	538203	105.981	ug/l	99
20) Methylene Chloride	2.788	84	177343	103.597	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	172196	102.229	ug/l	97
22) Diisopropyl ether	3.751	45	585908	106.589	ug/l	89
23) Vinyl Acetate	3.715	43	1870693	499.934	ug/l	98
24) 1,1-Dichloroethane	3.605	63	324304	103.957	ug/l	99
25) 2-Butanone	4.544	43	391216	551.449	ug/l	99
26) 2,2-Dichloropropane	4.465	77	273061	101.660	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	210051	104.487	ug/l	98
28) Bromochloromethane	4.885	49	141528	100.105	ug/l	94
29) Tetrahydrofuran	4.983	42	276529	547.338	ug/l	97
30) Chloroform	5.080	83	330306	102.928	ug/l	97
31) Cyclohexane	5.464	56	262665	97.000	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	288051	101.676	ug/l	99
36) 1,1-Dichloropropene	5.684	75	219541	96.734	ug/l	99
37) Ethyl Acetate	4.696	43	201911	104.423	ug/l	97
38) Carbon Tetrachloride	5.665	117	245308	93.614	ug/l	99
39) Methylcyclohexane	7.366	83	277545	95.097	ug/l	96
40) Benzene	6.025	78	692820	99.925	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048411.D
Acq On : 29 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 02:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	103566	106.336	ug/l		96
42) 1,2-Dichloroethane	6.074	62	243894	99.869	ug/l		98
43) Isopropyl Acetate	6.324	43	334952	104.923	ug/l		96
44) Trichloroethene	7.110	130	179623	98.882	ug/l		98
45) 1,2-Dichloropropane	7.415	63	174772	100.932	ug/l		98
46) Dibromomethane	7.568	93	123914	102.224	ug/l		96
47) Bromodichloromethane	7.805	83	256800	99.708	ug/l		97
48) Methyl methacrylate	7.677	41	170938	109.801	ug/l		96
49) 1,4-Dioxane	7.647	88	39674	2242.121	ug/l		94
51) 4-Methyl-2-Pentanone	8.555	43	925963	521.185	ug/l		96
52) Toluene	8.702	92	433330	100.021	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	237643	101.798	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	247342	98.341	ug/l		95
55) 1,1,2-Trichloroethane	9.134	97	157981	100.765	ug/l		99
56) Ethyl methacrylate	9.104	69	252667	110.060	ug/l		95
57) 1,3-Dichloropropane	9.293	76	272104	100.095	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	666222	478.417	ug/l		97
59) 2-Hexanone	9.415	43	625915	541.437	ug/l		97
60) Dibromochloromethane	9.506	129	195285	100.712	ug/l		99
61) 1,2-Dibromoethane	9.592	107	165360	101.951	ug/l		97
64) Tetrachloroethene	9.256	164	158194	93.397	ug/l		97
65) Chlorobenzene	10.061	112	485587	100.215	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	169971	103.125	ug/l		99
67) Ethyl Benzene	10.177	91	820586	100.581	ug/l		99
68) m/p-Xylenes	10.287	106	626265	202.737	ug/l		97
69) o-Xylene	10.628	106	303089	102.675	ug/l		97
70) Styrene	10.640	104	524485	104.884	ug/l		99
71) Bromoform	10.780	173	125602	105.343	ug/l	#	99
73) Isopropylbenzene	10.945	105	772066	100.054	ug/l		99
74) N-amyl acetate	10.823	43	299571	108.827	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.195	83	199484	102.062	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	159600m	98.087	ug/l		
77) Bromobenzene	11.183	156	191695	100.568	ug/l		99
78) n-propylbenzene	11.286	91	908036	99.564	ug/l		98
79) 2-Chlorotoluene	11.347	91	544328	99.407	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	639478	101.097	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	45242	104.353	ug/l	#	76
82) 4-Chlorotoluene	11.439	91	641755	99.695	ug/l		97
83) tert-Butylbenzene	11.695	119	646483	100.392	ug/l		98
84) 1,2,4-Trimethylbenzene	11.731	105	643122	102.686	ug/l		99
85) sec-Butylbenzene	11.872	105	791505	98.644	ug/l		100
86) p-Isopropyltoluene	11.994	119	679495	100.170	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	347642	95.499	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	351340	94.761	ug/l		99
89) n-Butylbenzene	12.317	91	626533	98.374	ug/l		98
90) Hexachloroethane	12.518	117	122970	103.167	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	335364	99.415	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	40725	106.406	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	234564	100.768	ug/l		99
94) Hexachlorobutadiene	13.707	225	89940	92.112	ug/l		98
95) Naphthalene	13.756	128	639328	108.748	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	214795	101.587	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048411.D
Acq On : 29 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

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

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

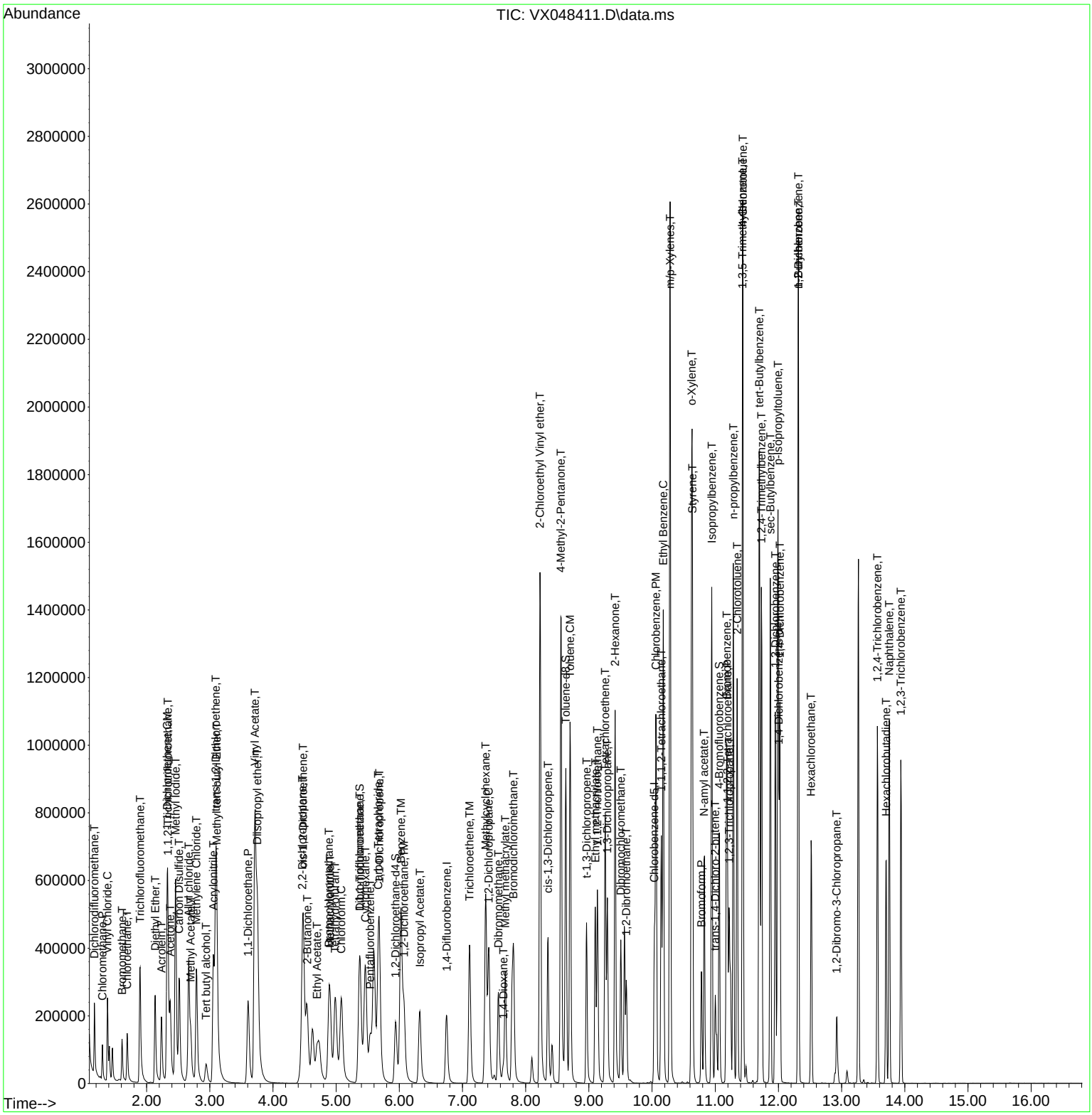
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048411.D
Acq On : 29 Oct 2025 12:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

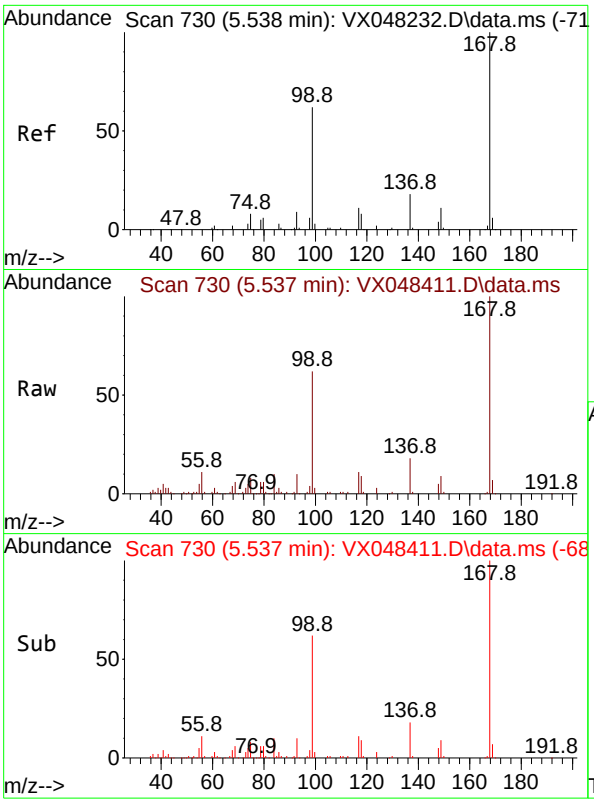
Quant Time: Oct 30 02:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

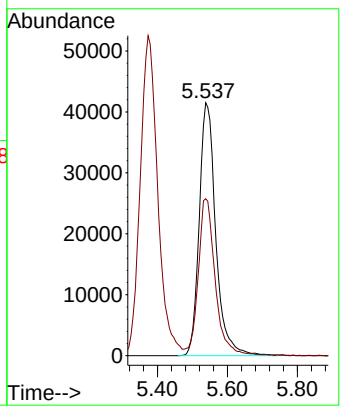




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:168 Resp: 13624

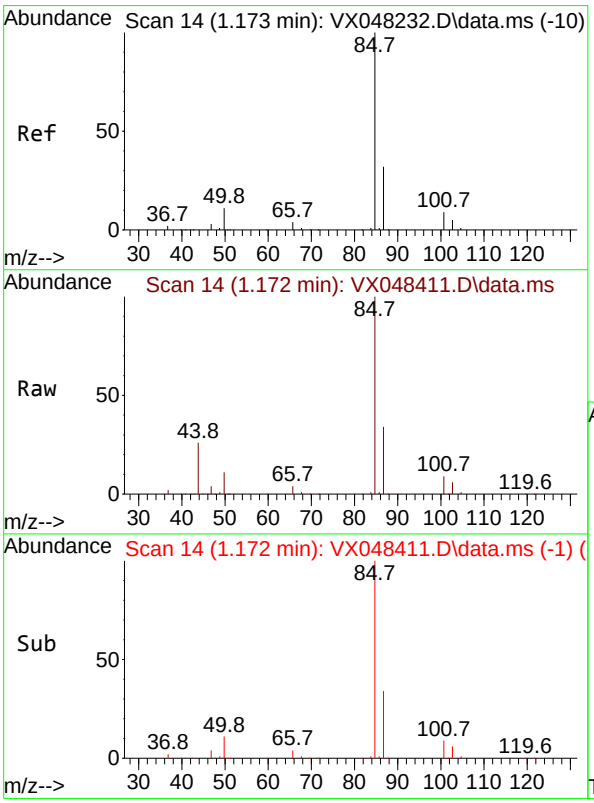
Ion	Ratio	Lower	Upper
168	100		
99	61.7	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

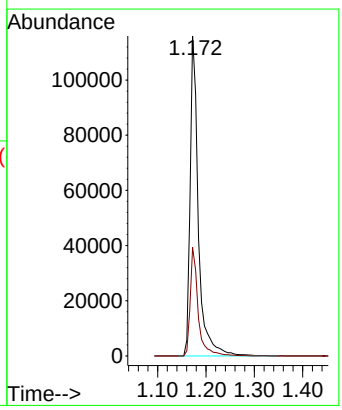
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

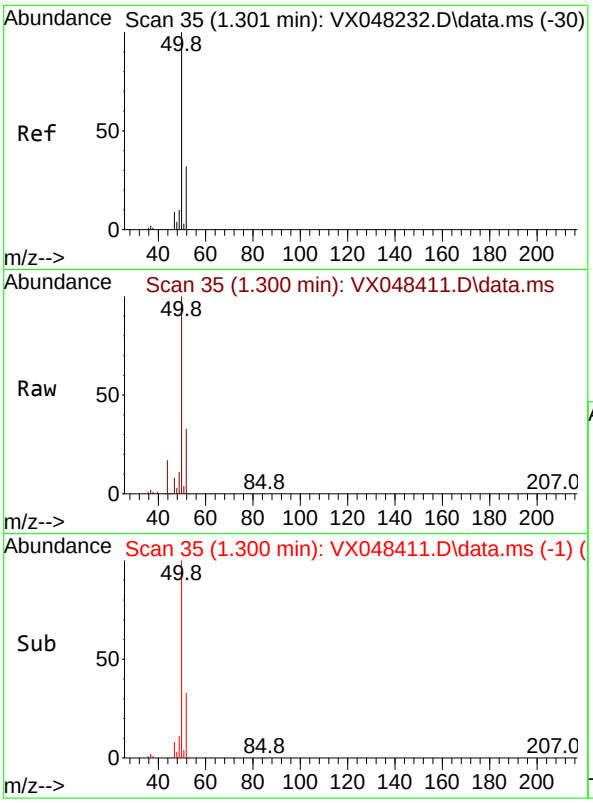


#2
Dichlorodifluoromethane
Concen: 98.781 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 85 Resp: 137281

Ion	Ratio	Lower	Upper
85	100		
87	34.0	15.3	45.9

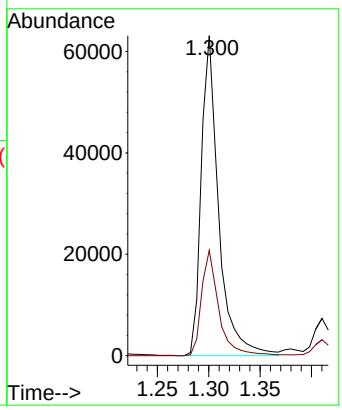




#3
Chloromethane
Concen: 95.062 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 50 Resp: 7453

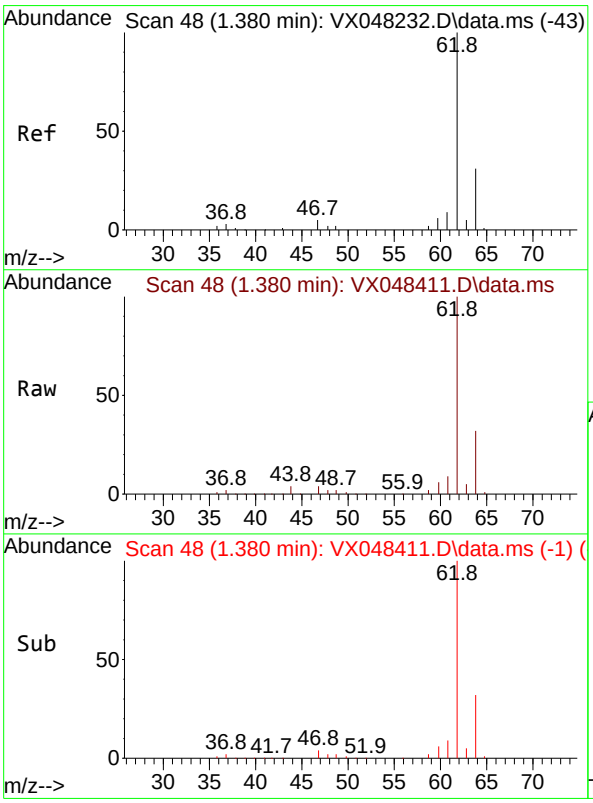
Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

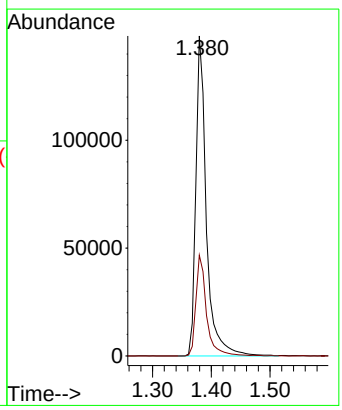
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

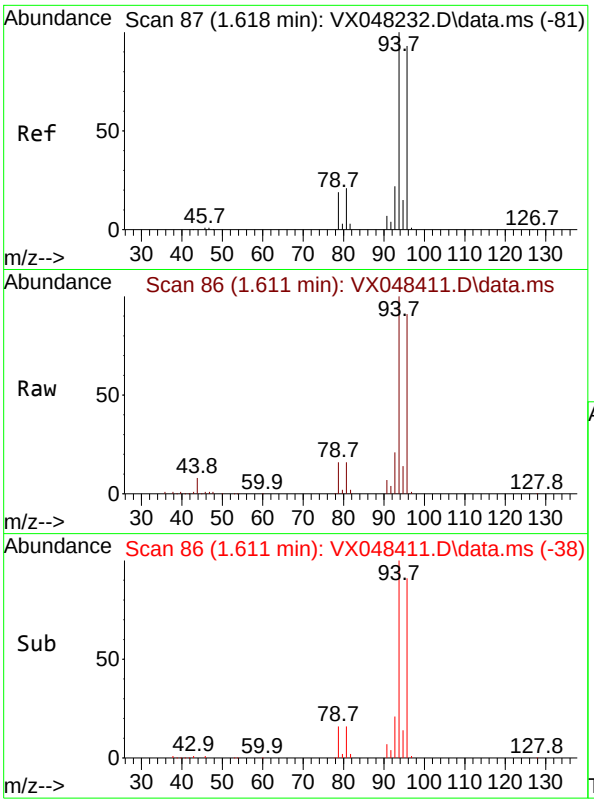


#4
Vinyl Chloride
Concen: 101.782 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 62 Resp: 184353

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.1	37.7

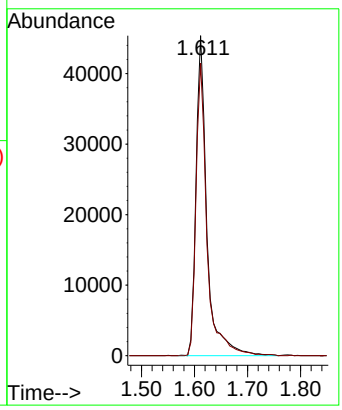




#5
Bromomethane
Concen: 98.767 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 94 Resp: 6462

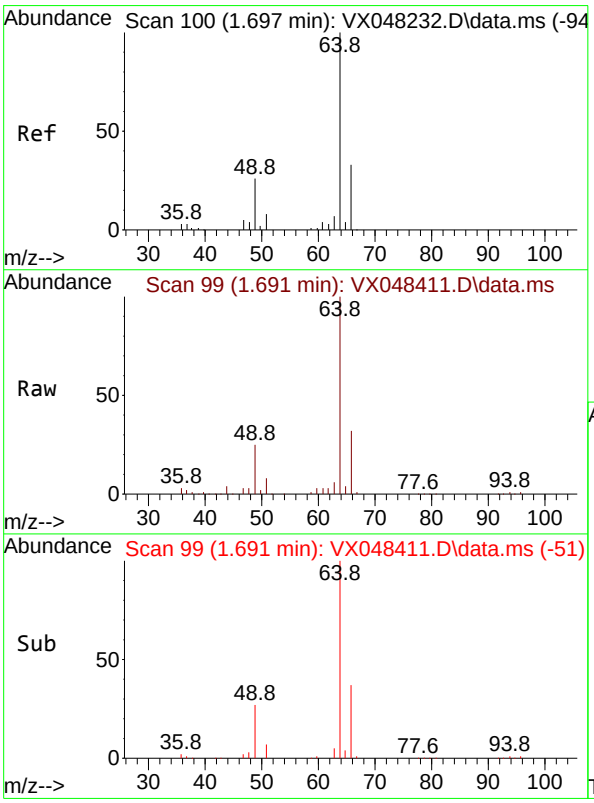
Ion	Ratio	Lower	Upper
94	100		
96	91.4	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

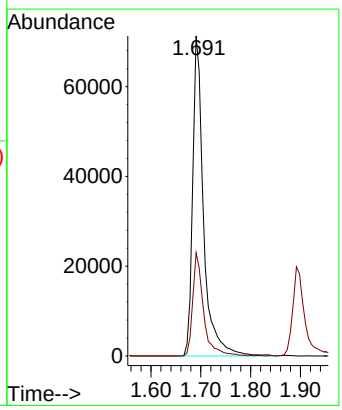
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

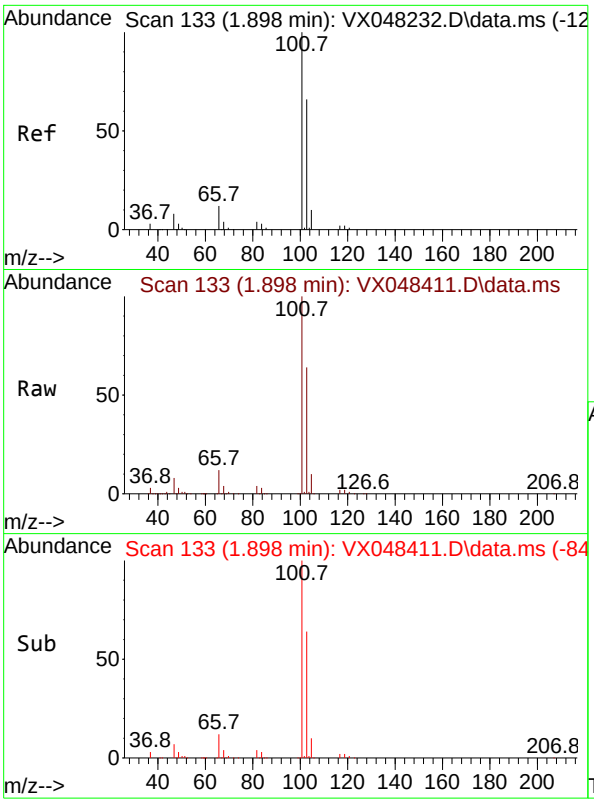


#6
Chloroethane
Concen: 100.762 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 64 Resp: 108537

Ion	Ratio	Lower	Upper
64	100		
66	32.2	23.9	35.9

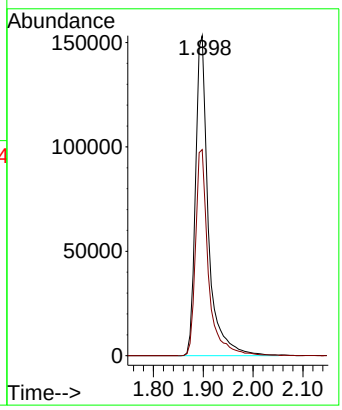




#7
Trichlorofluoromethane
Concen: 98.791 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:101 Resp: 27420

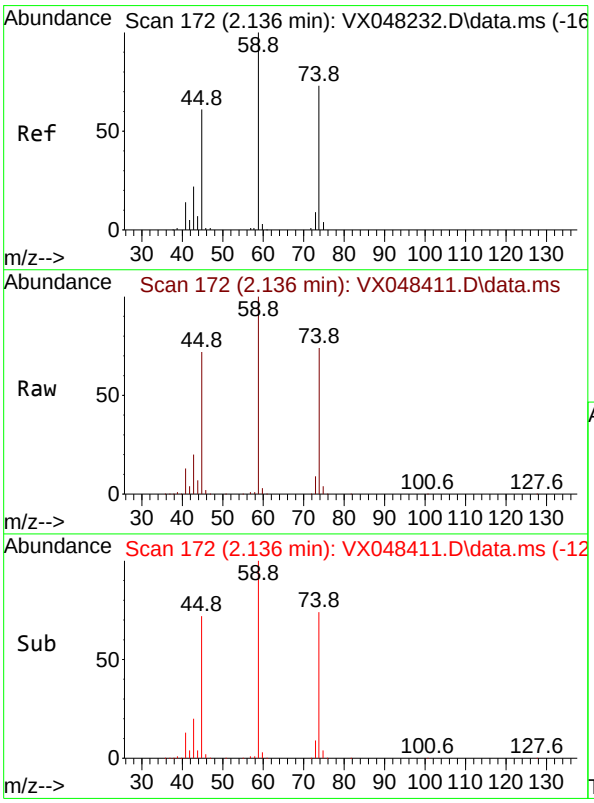
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

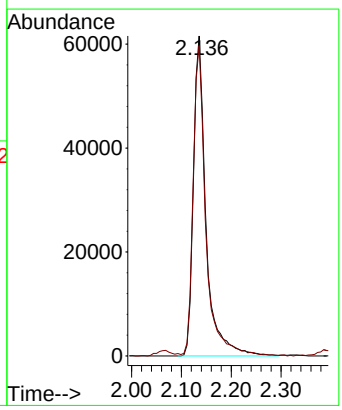
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

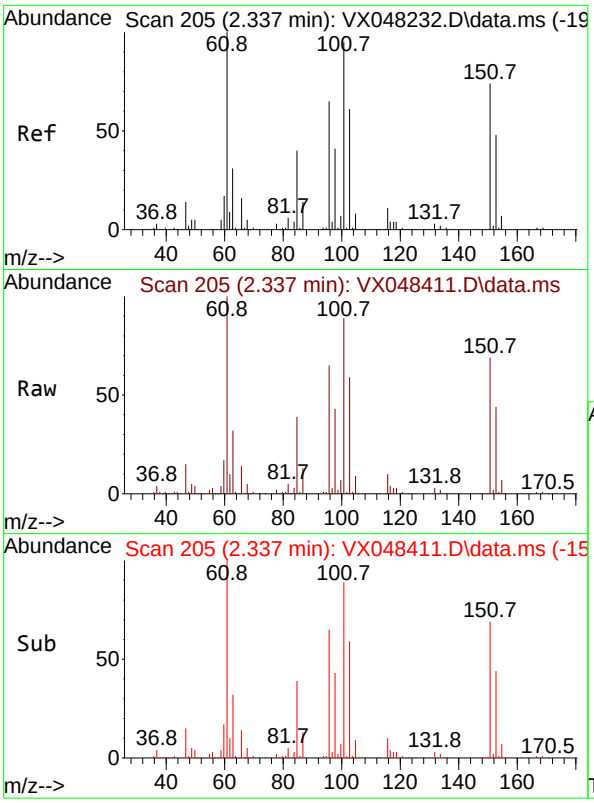


#8
Diethyl Ether
Concen: 107.685 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 74 Resp: 108025

Ion	Ratio	Lower	Upper
74	100		
45	97.3	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.581 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

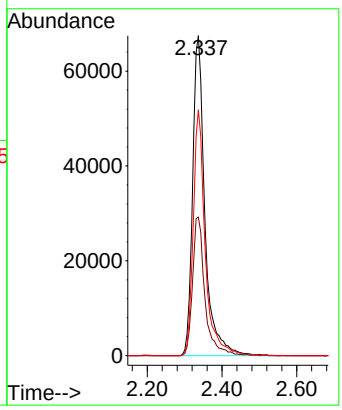
Tgt Ion:101 Resp: 15391

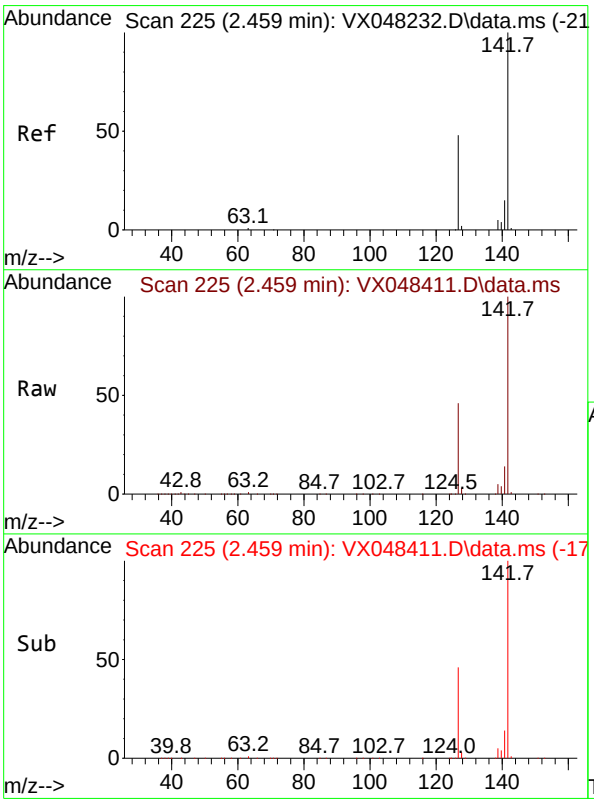
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.6	53.4
151	75.0	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

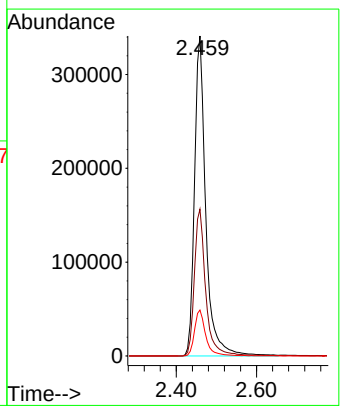


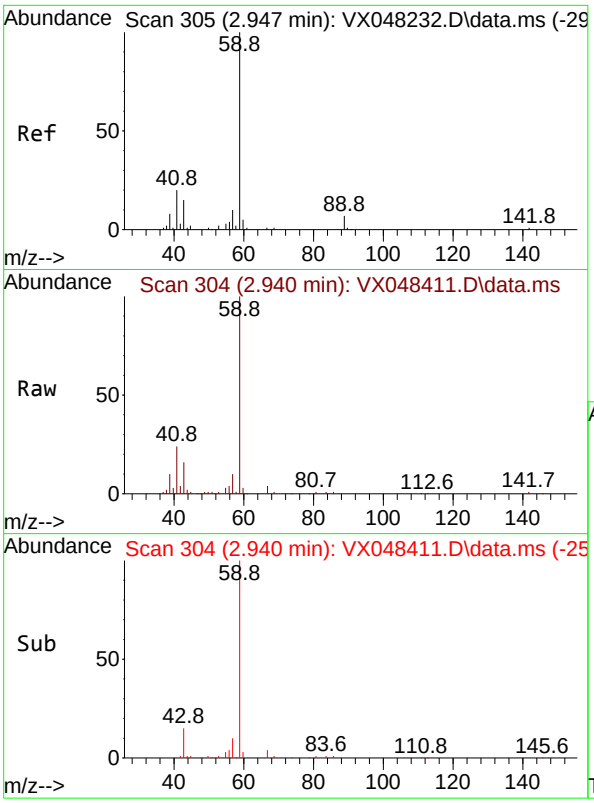


#10
Methyl Iodide
Concen: 106.094 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:142 Resp: 666054

Ion	Ratio	Lower	Upper
142	100		
127	46.5	38.5	57.7
141	14.4	11.6	17.4

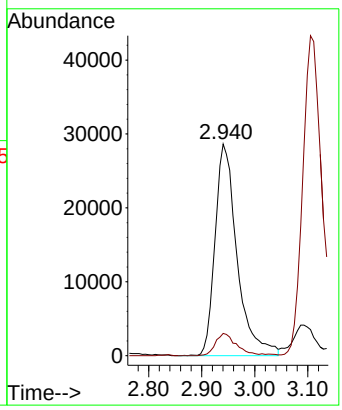




#11
Tert butyl alcohol
Concen: 550.424 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 59 Resp: 8262

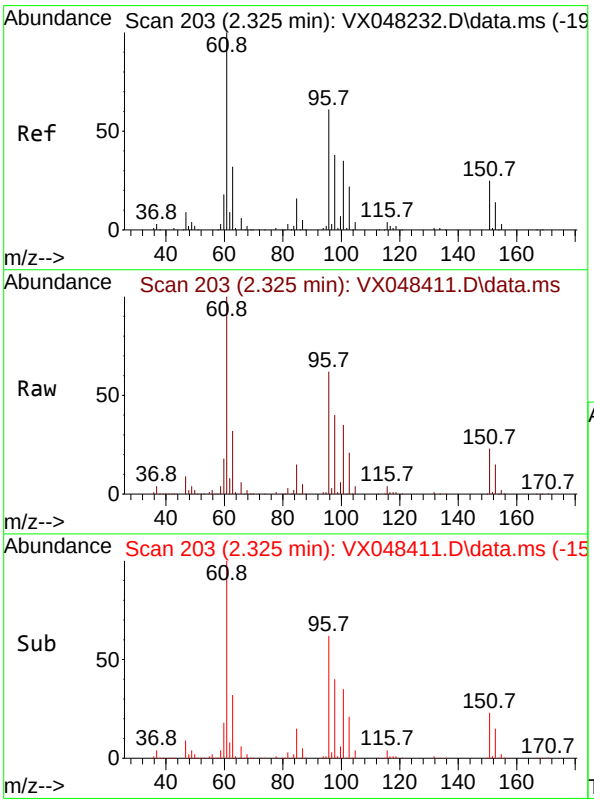
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

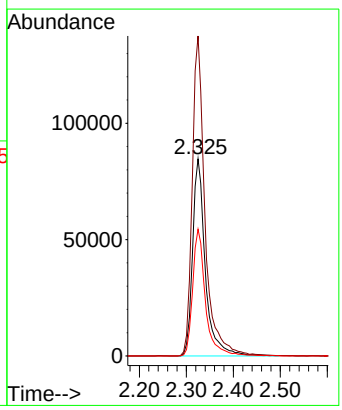
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

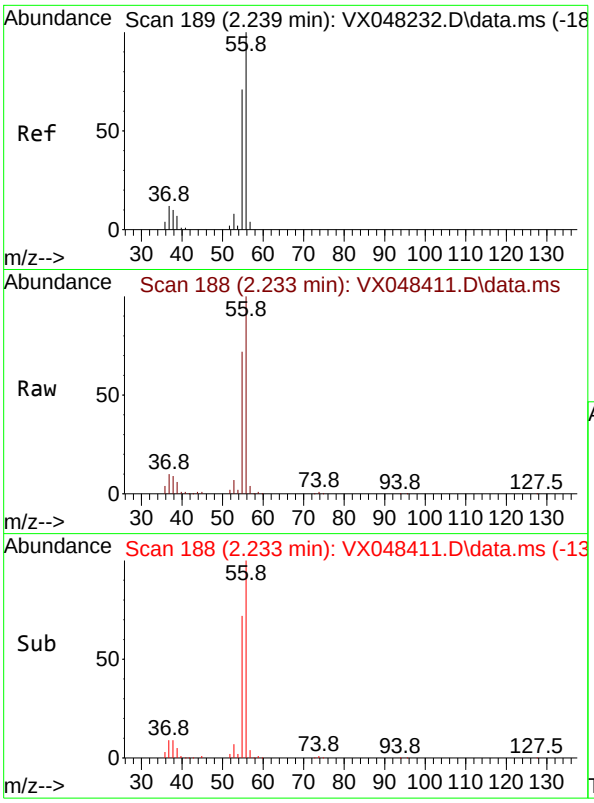


#12
1,1-Dichloroethene
Concen: 101.505 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 96 Resp: 160970

Ion	Ratio	Lower	Upper
96	100		
61	162.3	139.0	208.6
98	64.3	52.4	78.6

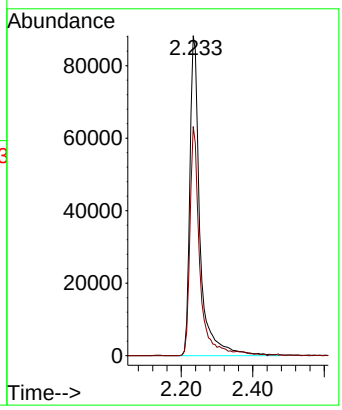




#13
Acrolein
Concen: 556.434 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 56 Resp: 17435

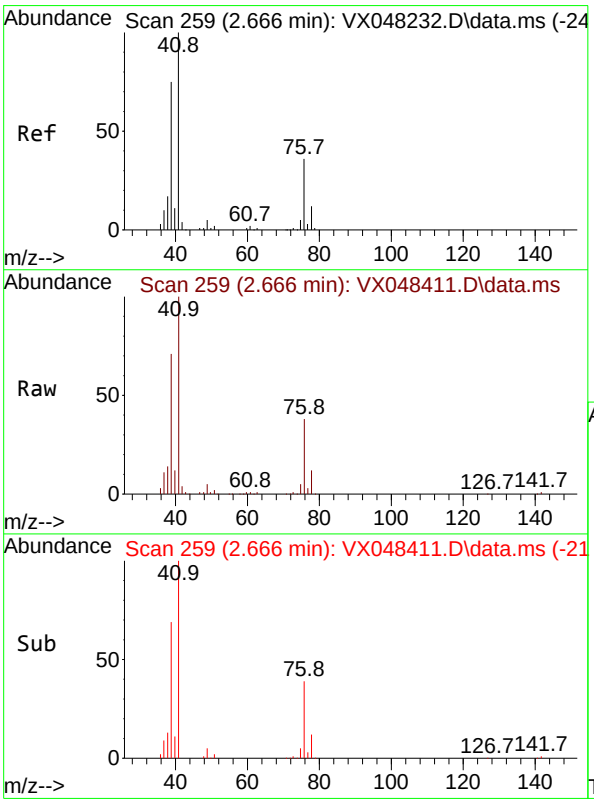
Ion	Ratio	Lower	Upper
56	100		
55	68.5	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

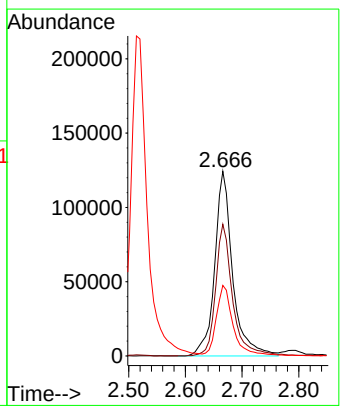
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

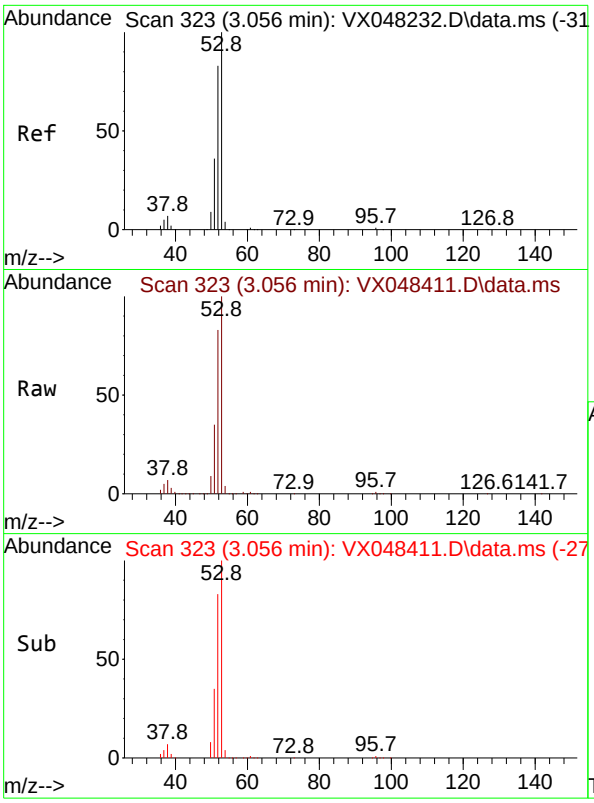


#14
Allyl chloride
Concen: 102.042 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 41 Resp: 274038

Ion	Ratio	Lower	Upper
41	100		
39	67.5	56.0	84.0
76	34.9	27.5	41.3

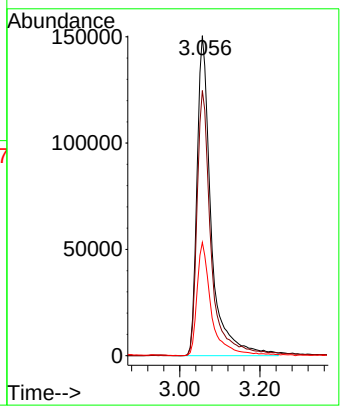




#15
Acrylonitrile
Concen: 541.798 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 53 Resp: 37000

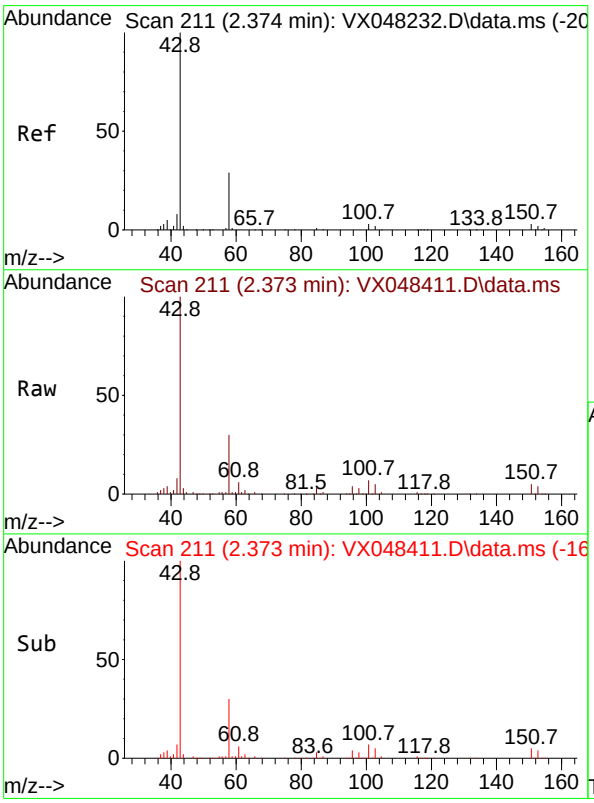
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.1	99.1
51	36.1	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

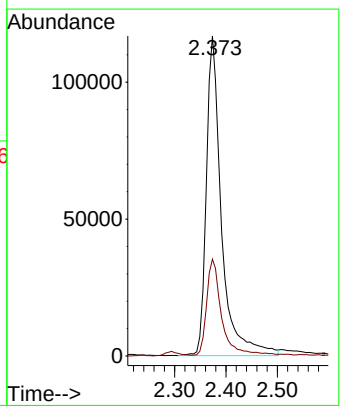
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

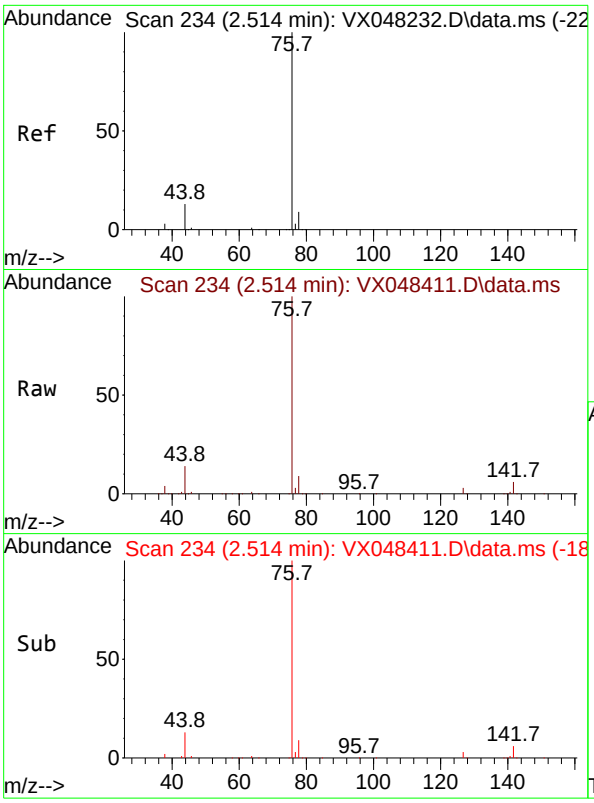


#16
Acetone
Concen: 539.138 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 43 Resp: 239424

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.4	35.2

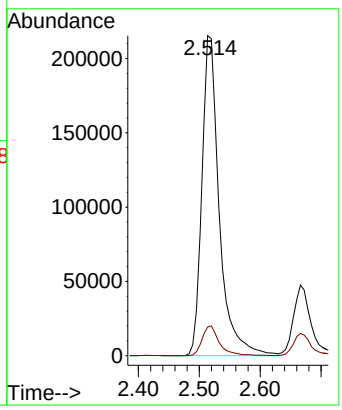




#17
Carbon Disulfide
Concen: 93.947 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 76 Resp: 42717

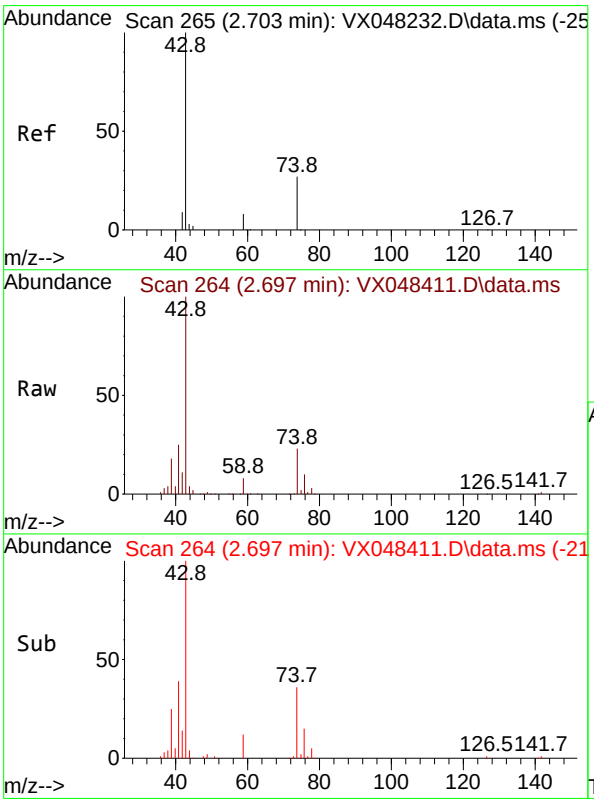
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

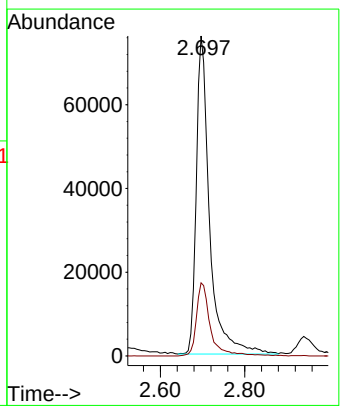
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

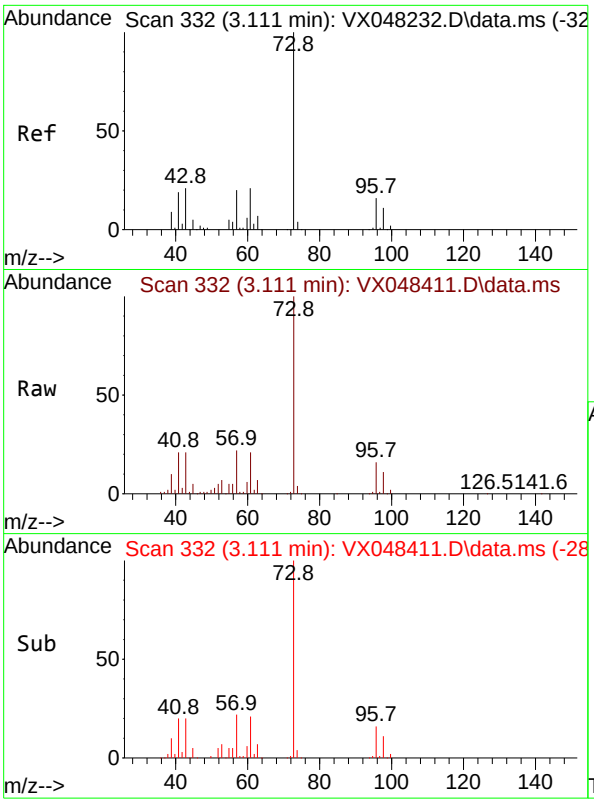


#18
Methyl Acetate
Concen: 112.212 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 43 Resp: 166666

Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.5	26.3

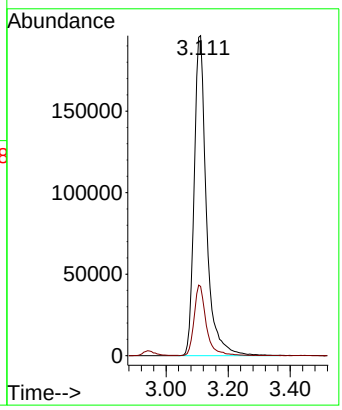




#19
Methyl tert-butyl Ether
Concen: 105.981 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 73 Resp: 53820

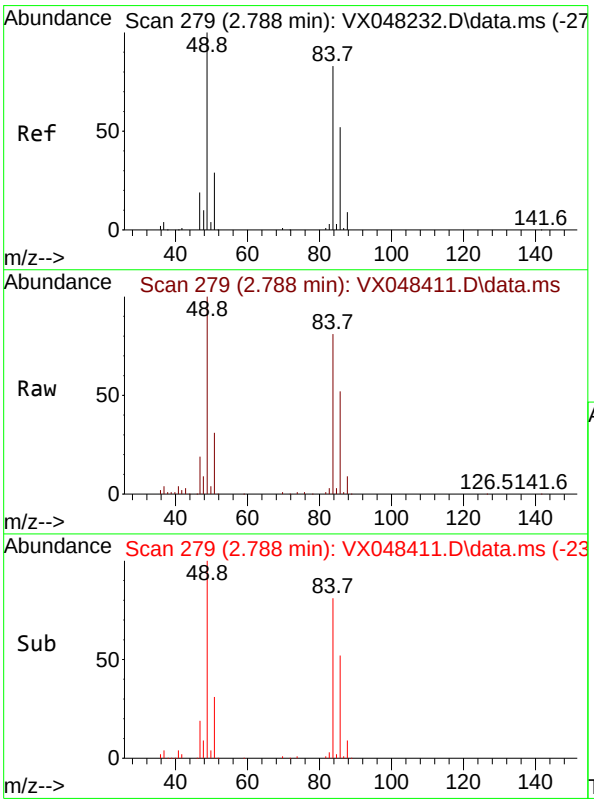
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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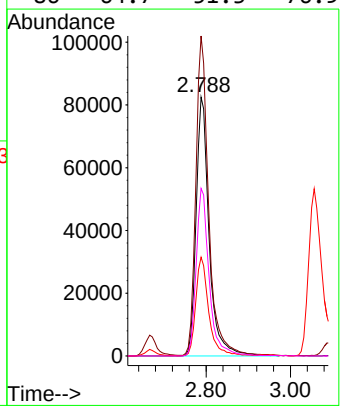
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

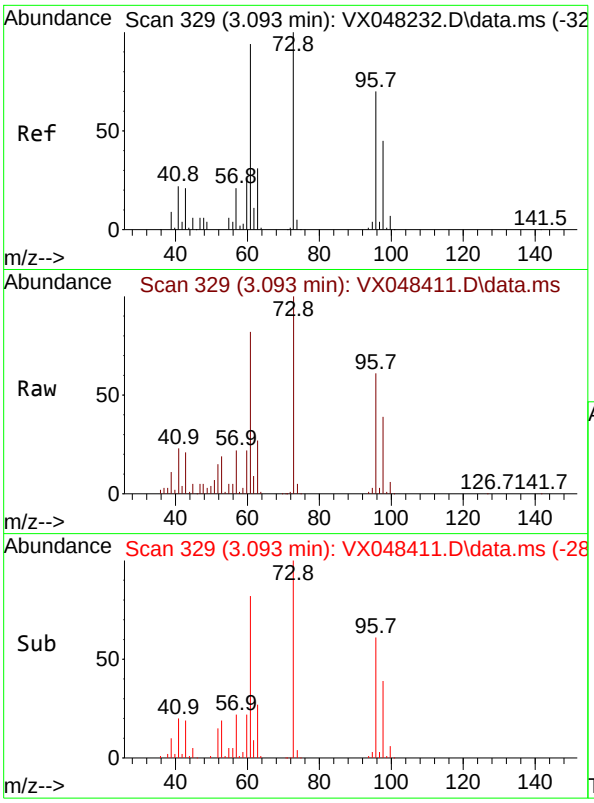


#20
Methylene Chloride
Concen: 103.597 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 84 Resp: 177343

Ion	Ratio	Lower	Upper
84	100		
49	123.4	104.1	156.1
51	38.2	31.3	46.9
86	64.7	51.3	76.9

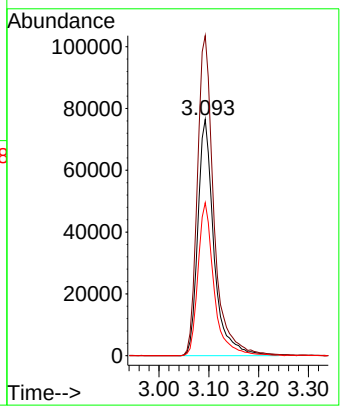




#21
trans-1,2-Dichloroethene
Concen: 102.229 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 96 Resp: 17219

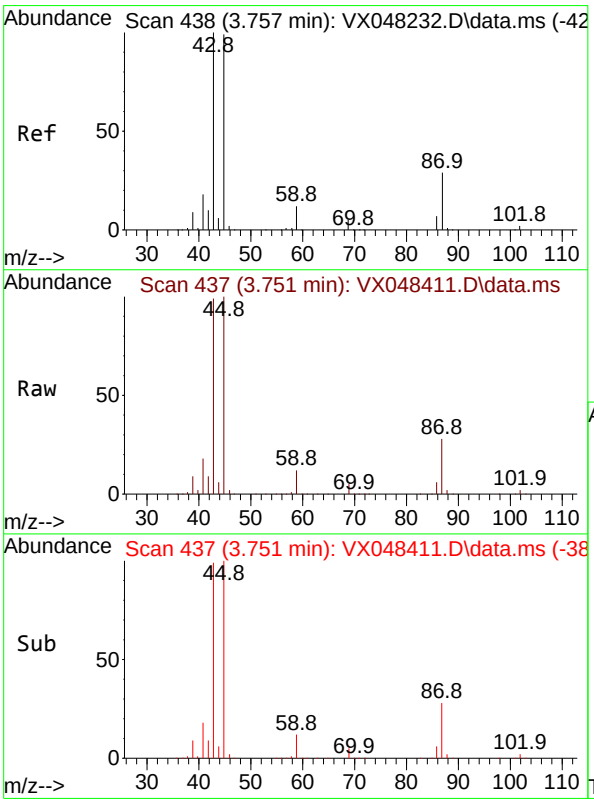
Ion	Ratio	Lower	Upper
96	100		
61	135.4	111.9	167.9
98	64.7	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

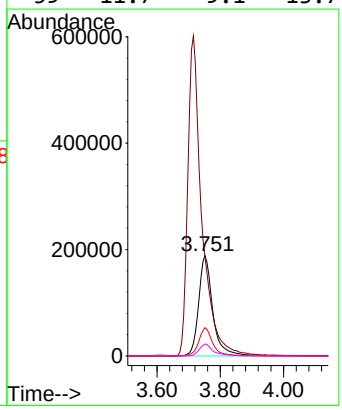
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

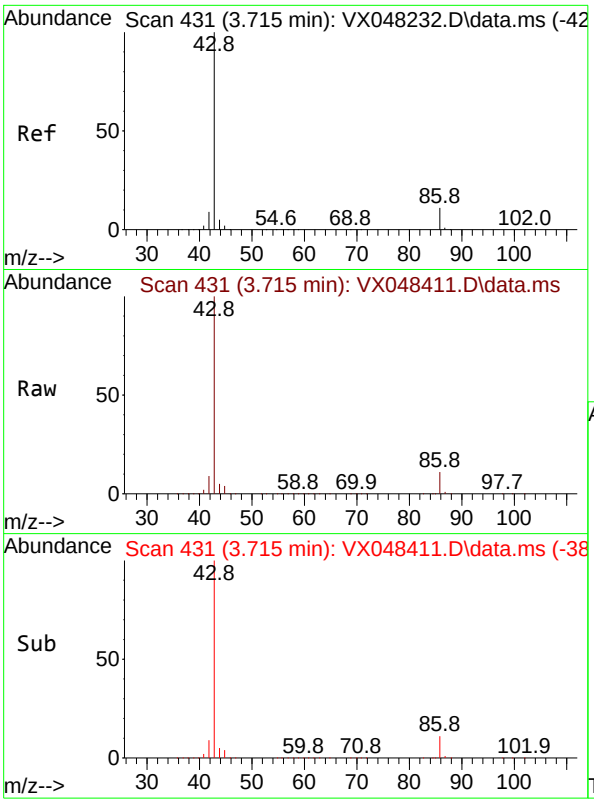


#22
Diisopropyl ether
Concen: 106.589 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 45 Resp: 585908

Ion	Ratio	Lower	Upper
45	100		
43	98.4	89.8	134.8
87	28.2	20.6	31.0
59	11.7	9.1	13.7





#23
Vinyl Acetate
Concen: 499.934 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

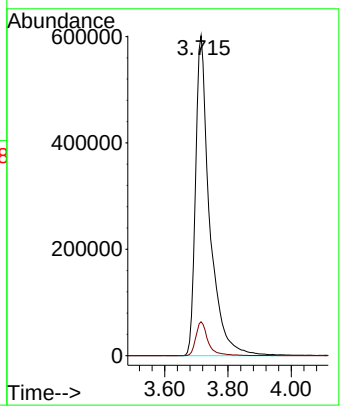
Tgt Ion: 43 Resp: 187069

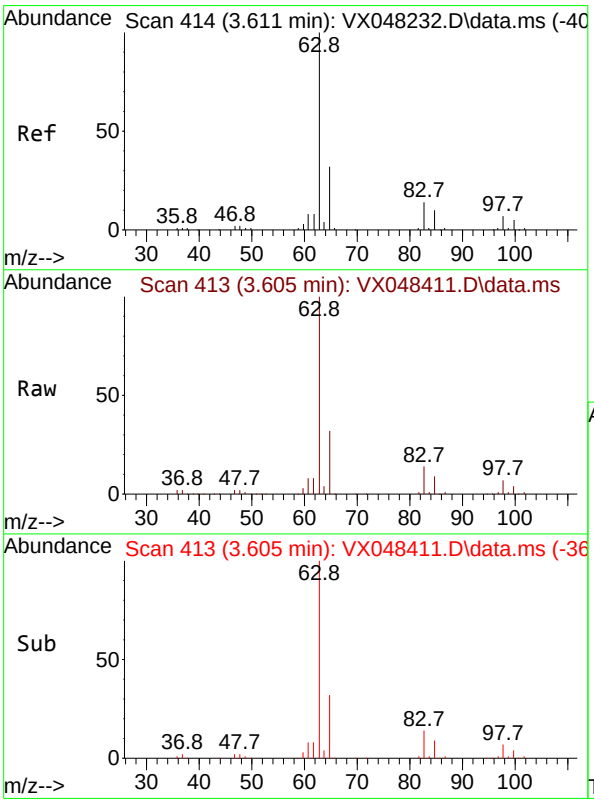
Ion	Ratio	Lower	Upper
43	100		
86	10.6	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

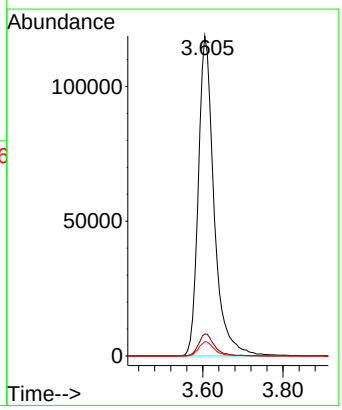


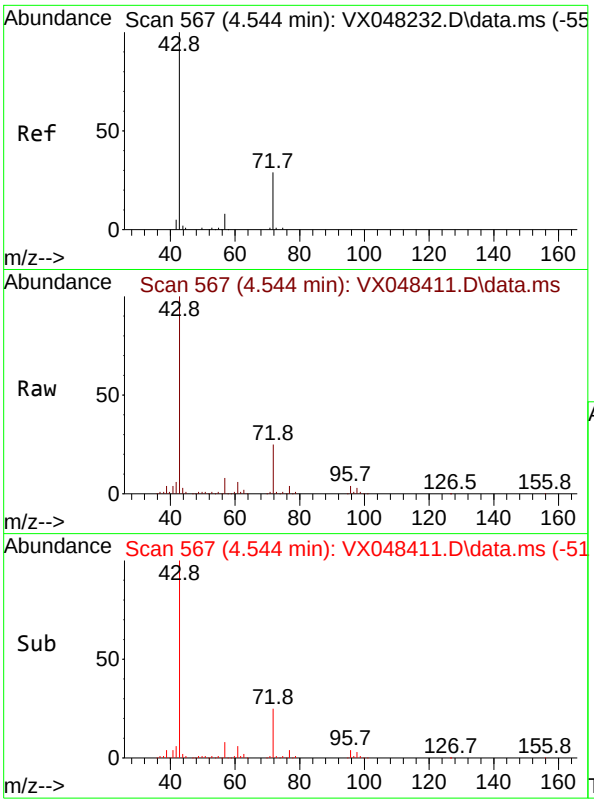


#24
1,1-Dichloroethane
Concen: 103.957 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 63 Resp: 324304

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.7	2.1	6.3





#25
2-Butanone
Concen: 551.449 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

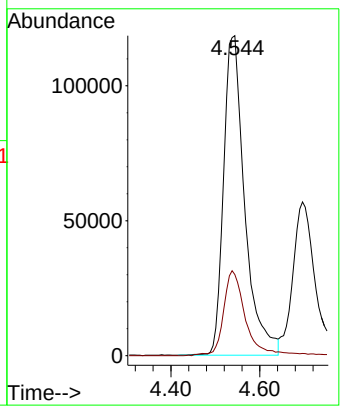
Tgt Ion: 43 Resp: 39121

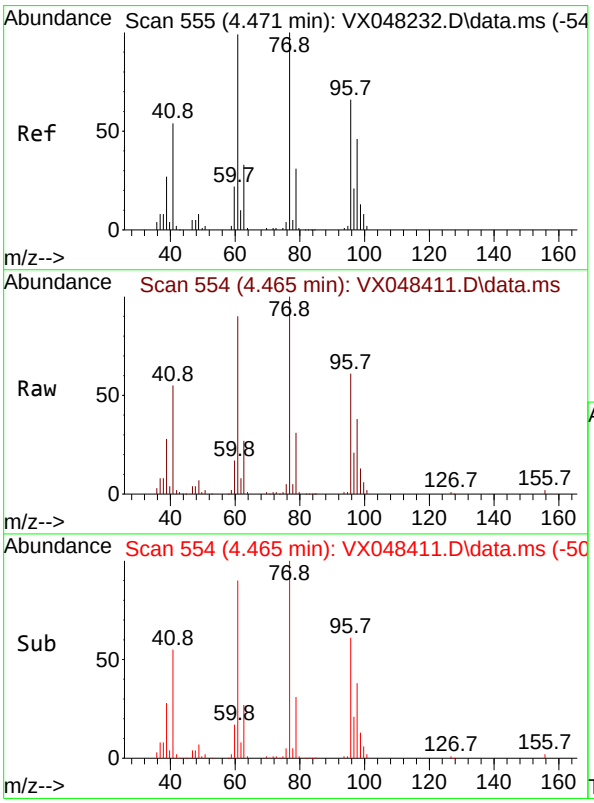
Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

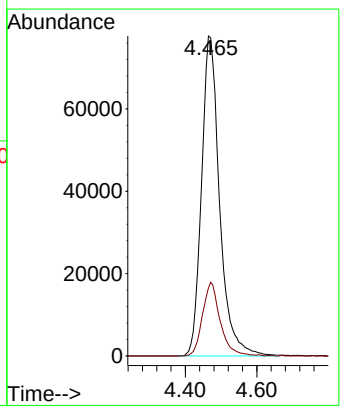


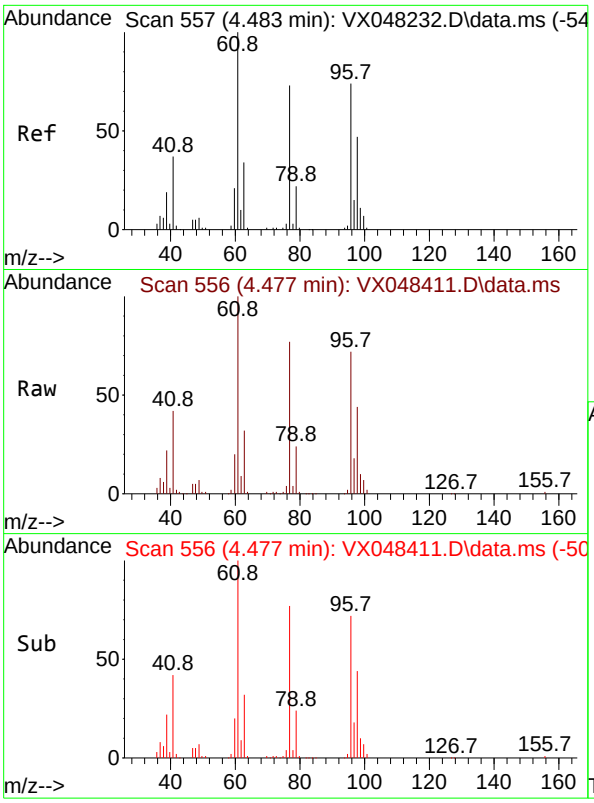


#26
2,2-Dichloropropane
Concen: 101.660 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 77 Resp: 273061

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.1	33.3





#27
cis-1,2-Dichloroethene
Concen: 104.487 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

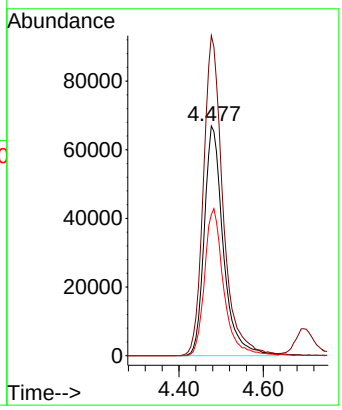
Tgt Ion: 96 Resp: 21005

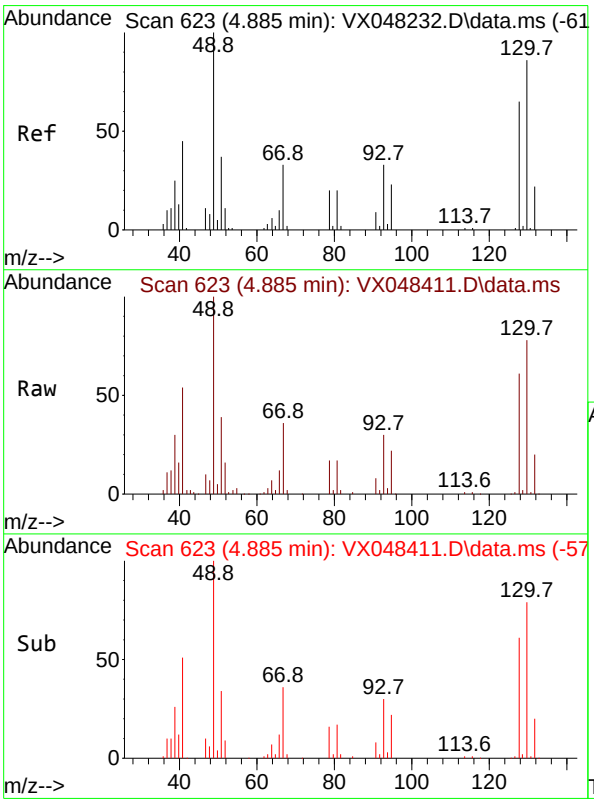
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	294.2
98	64.4	0.0	128.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

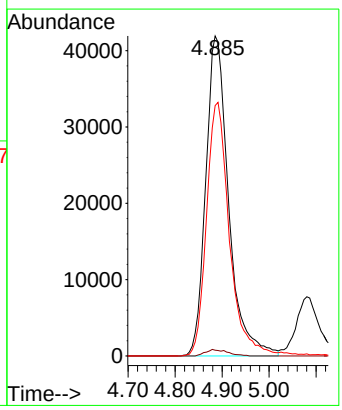


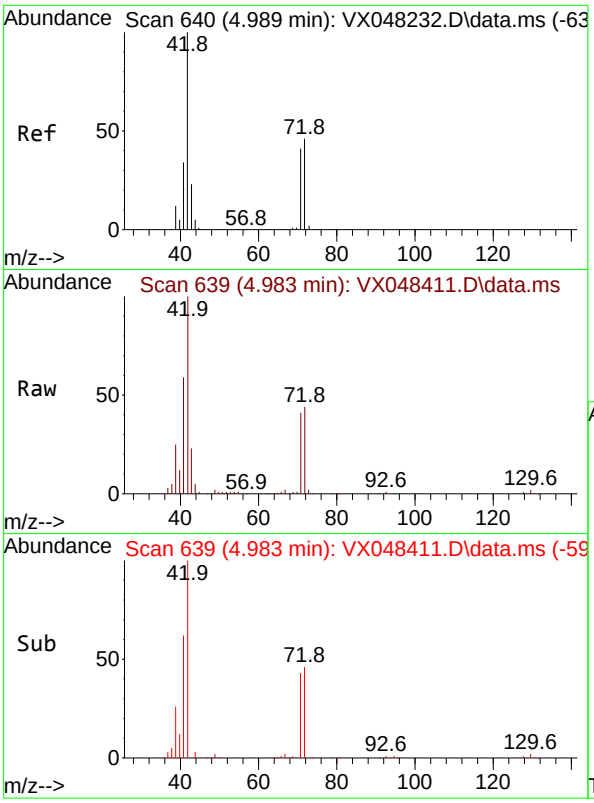


#28
Bromochloromethane
Concen: 100.105 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 49 Resp: 141528

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	79.2	59.3	88.9





#29
Tetrahydrofuran
Concen: 547.338 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

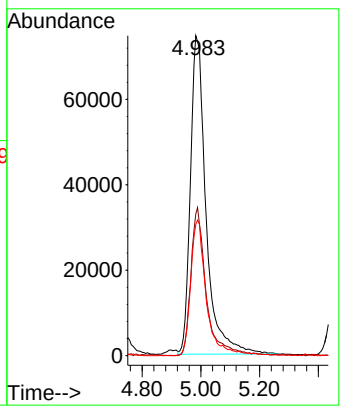
Tgt Ion: 42 Resp: 27652

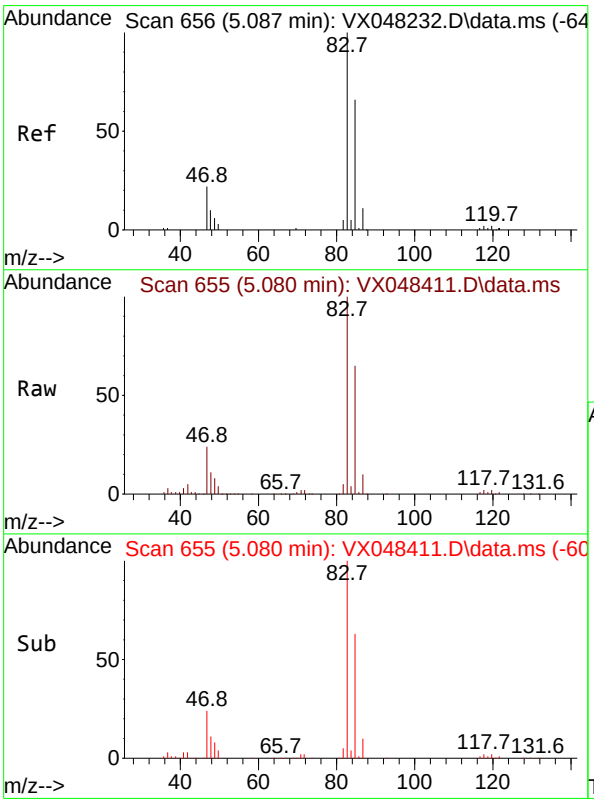
Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.3	52.9
71	42.0	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

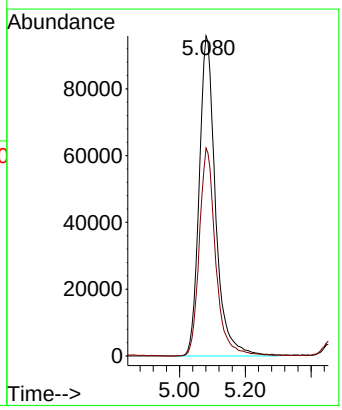


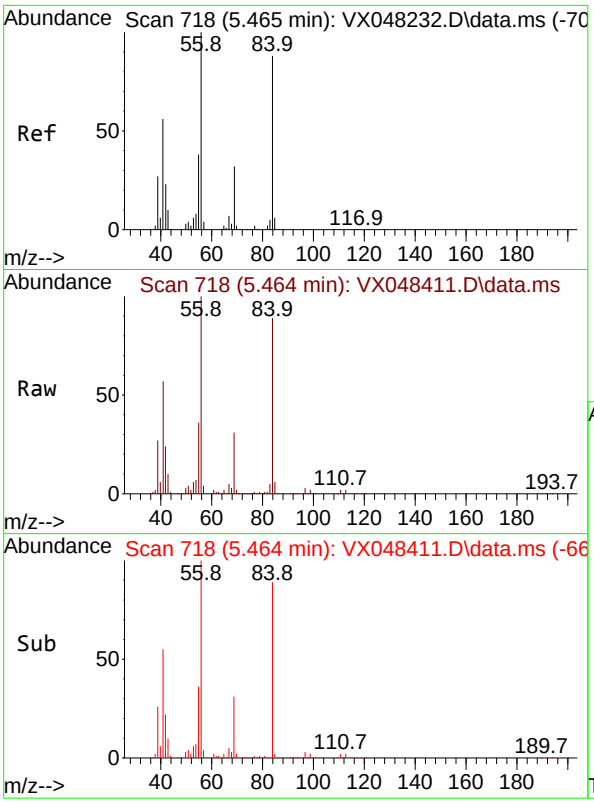


#30
Chloroform
Concen: 102.928 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 83 Resp: 330306

Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.1	75.1

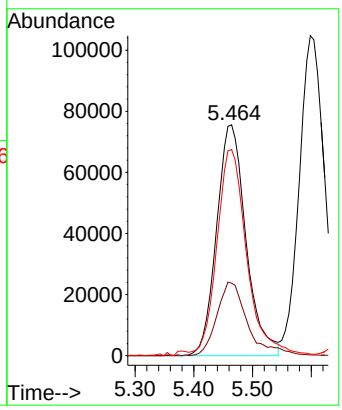




#31
Cyclohexane
Concen: 97.000 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 56 Resp: 26266

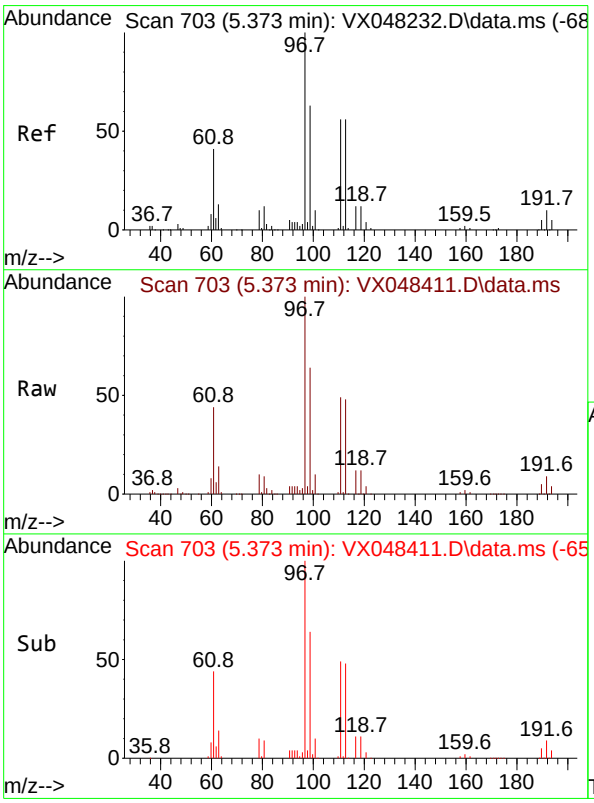
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.0	34.6
84	87.0	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

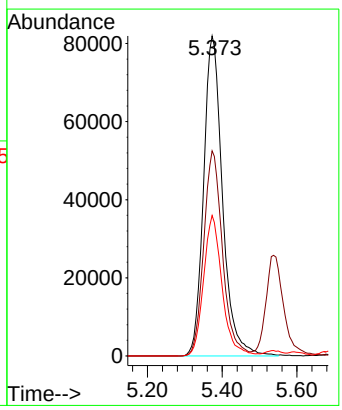
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

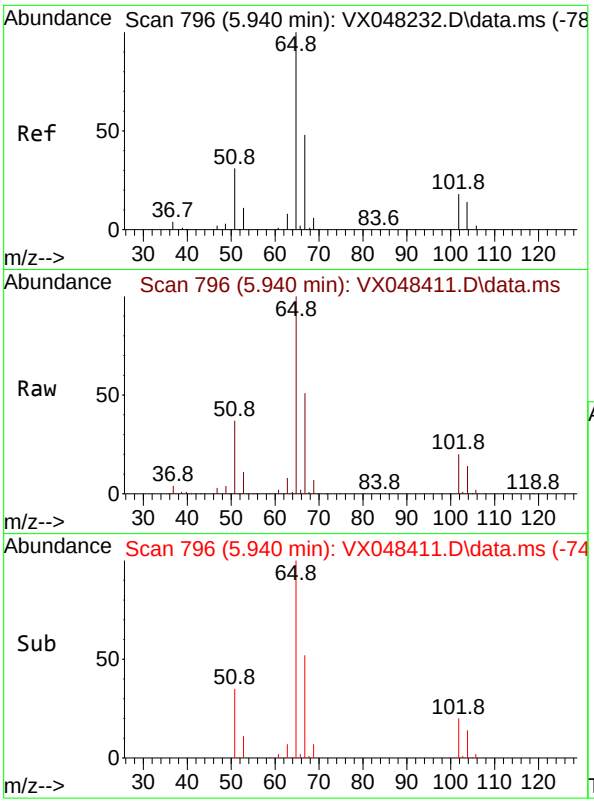


#32
1,1,1-Trichloroethane
Concen: 101.676 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 97 Resp: 288051

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.7	77.5
61	42.8	34.8	52.2

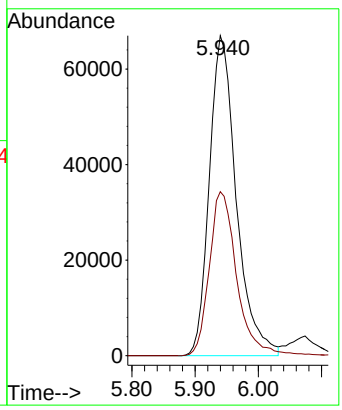




#33
1,2-Dichloroethane-d4
Concen: 101.300 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 65 Resp: 19848

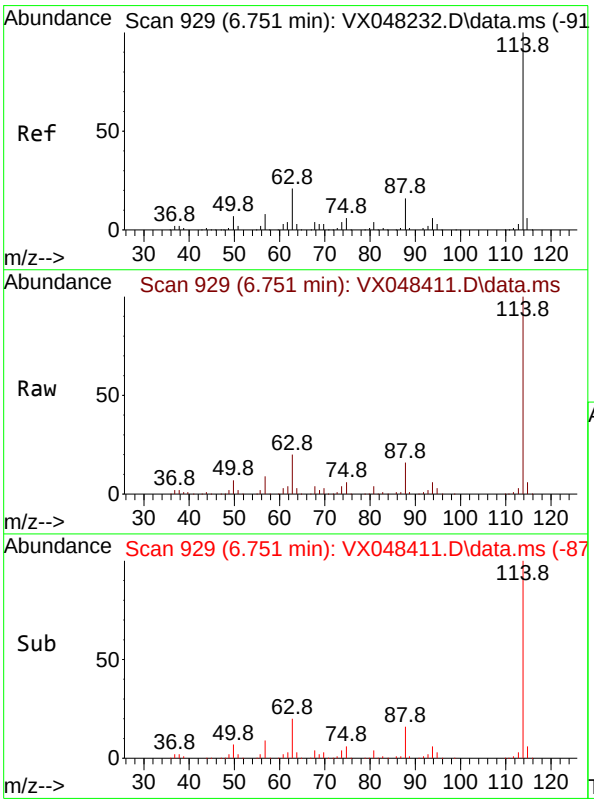
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

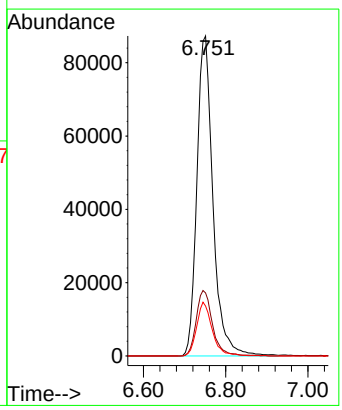
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

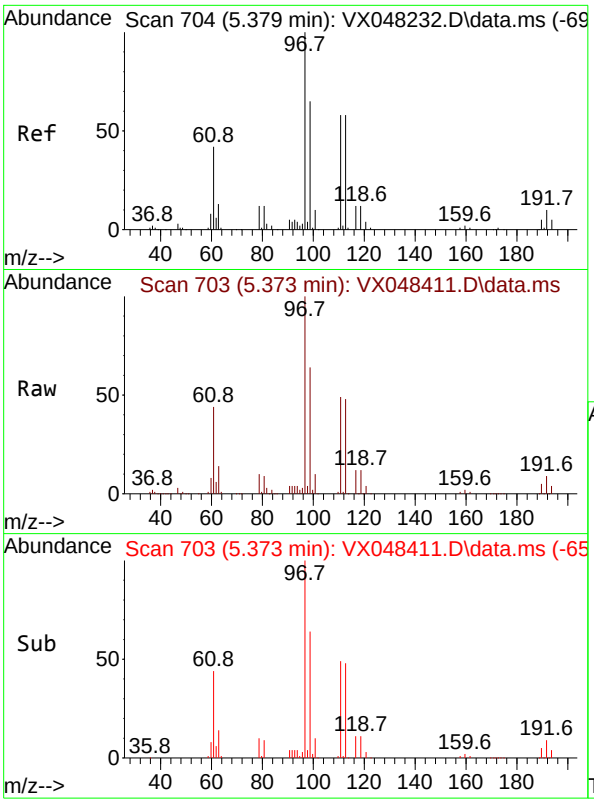


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:114 Resp: 237043

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.2
88	15.6	0.0	33.6

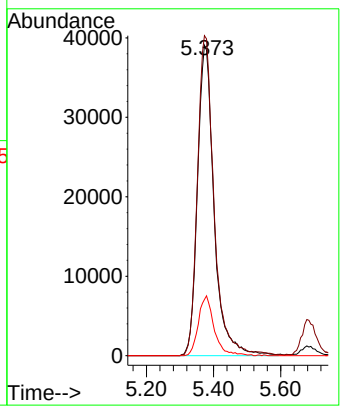




#35
Dibromofluoromethane
Concen: 99.222 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:113 Resp: 13409

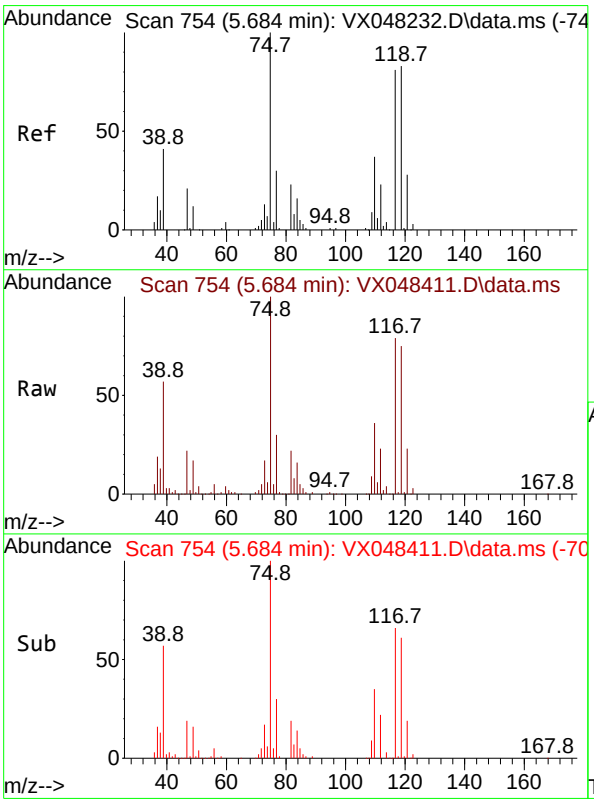
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	18.3	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

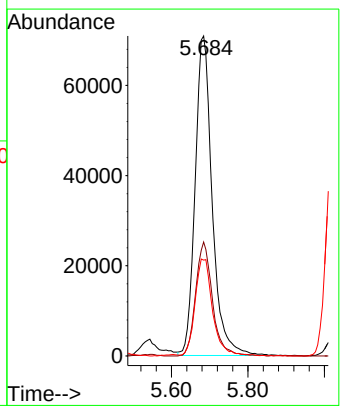
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

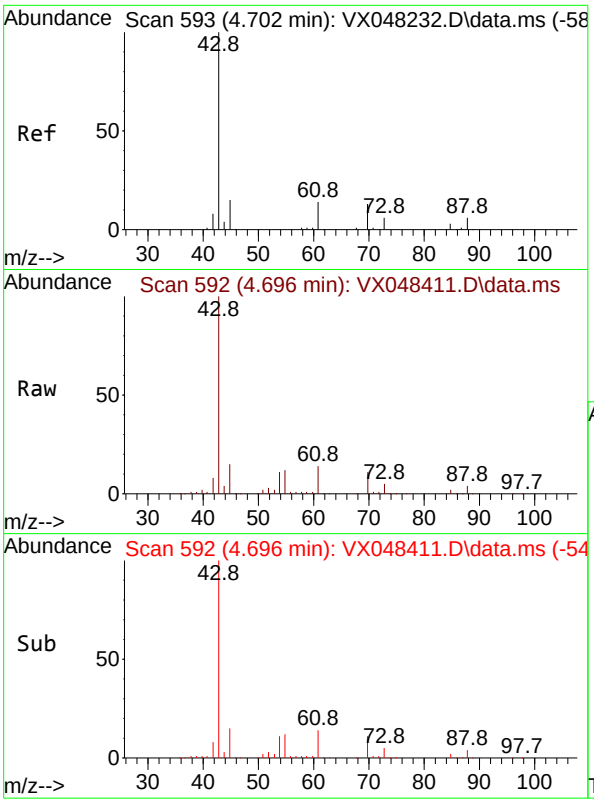


#36
1,1-Dichloropropene
Concen: 96.734 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 75 Resp: 219541

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.7	53.1
77	31.4	24.3	36.5

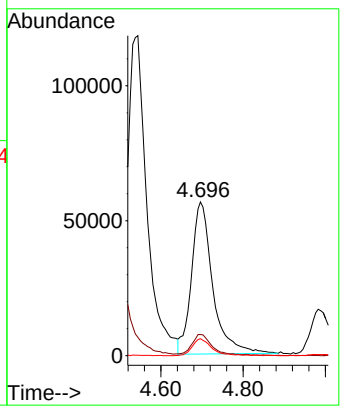




#37
Ethyl Acetate
Concen: 104.423 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 43 Resp: 20191

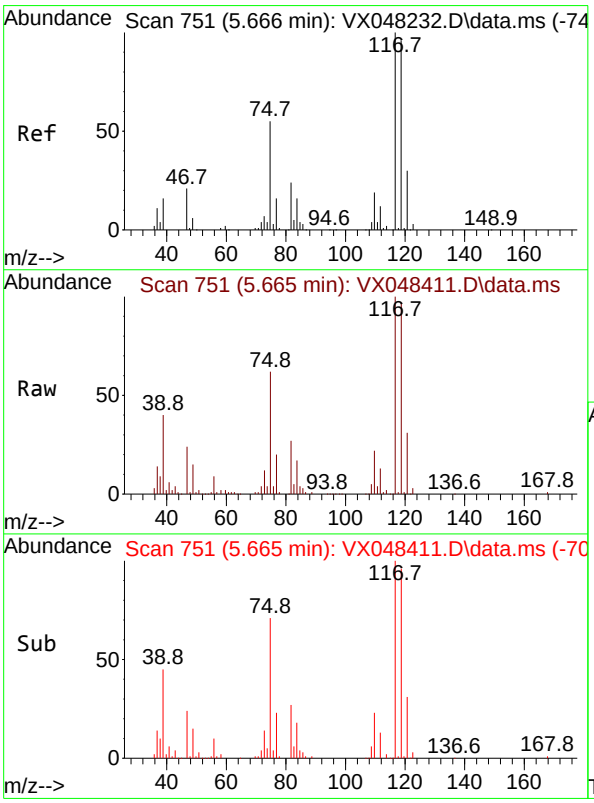
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.6	15.8
70	10.3	7.8	11.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

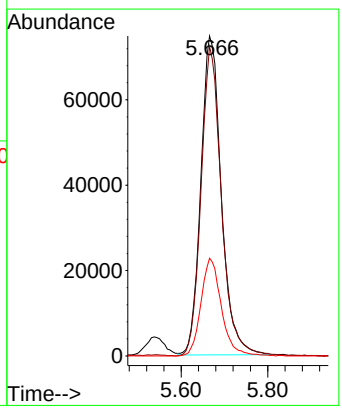
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

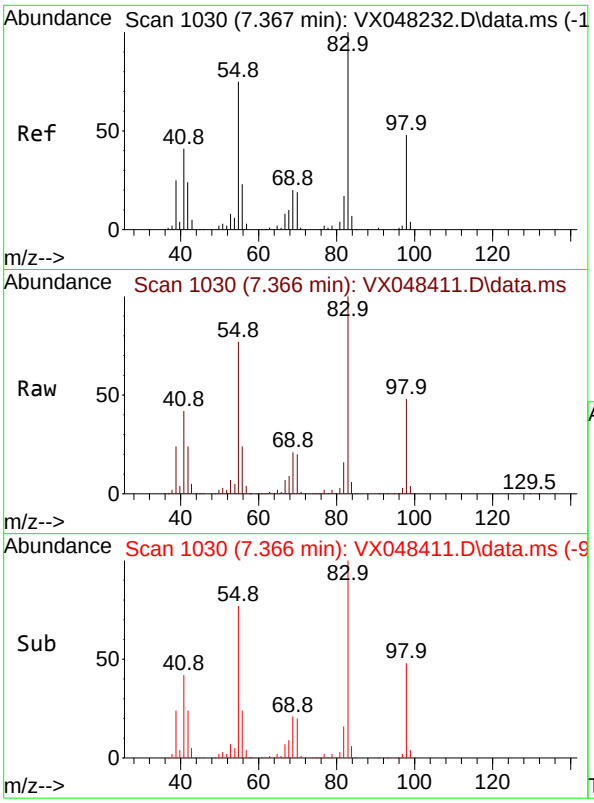


#38
Carbon Tetrachloride
Concen: 93.614 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:117 Resp: 245308

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.2	115.8
121	30.7	24.8	37.2

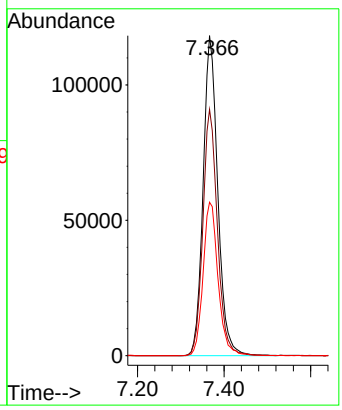




#39
Methylcyclohexane
Concen: 95.097 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 83 Resp: 27754

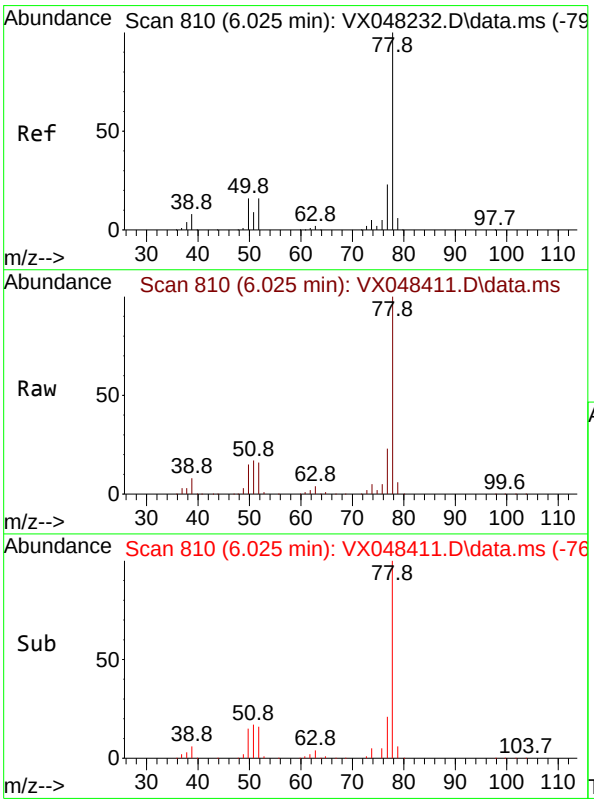
Ion	Ratio	Lower	Upper
83	100		
55	76.9	66.2	99.2
98	47.9	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

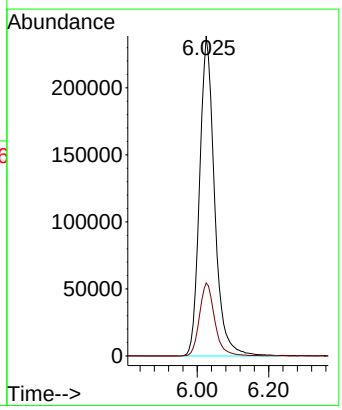
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

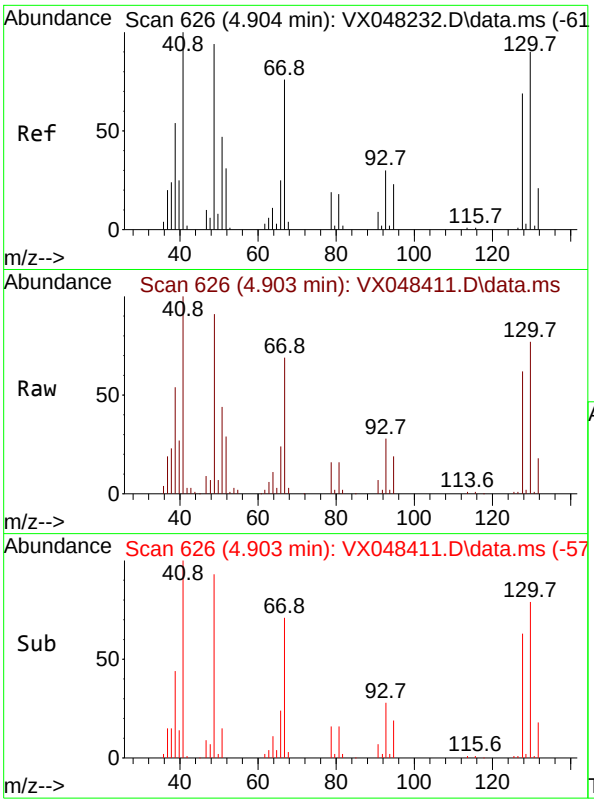


#40
Benzene
Concen: 99.925 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 78 Resp: 692820

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.3	28.9

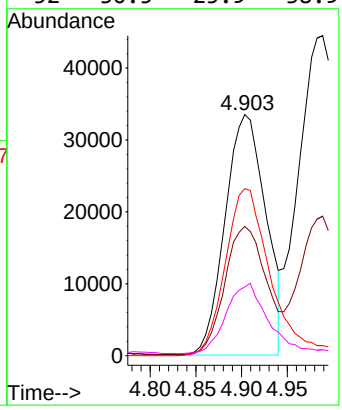




#41
Methacrylonitrile
Concen: 106.336 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 41 Resp: 10356

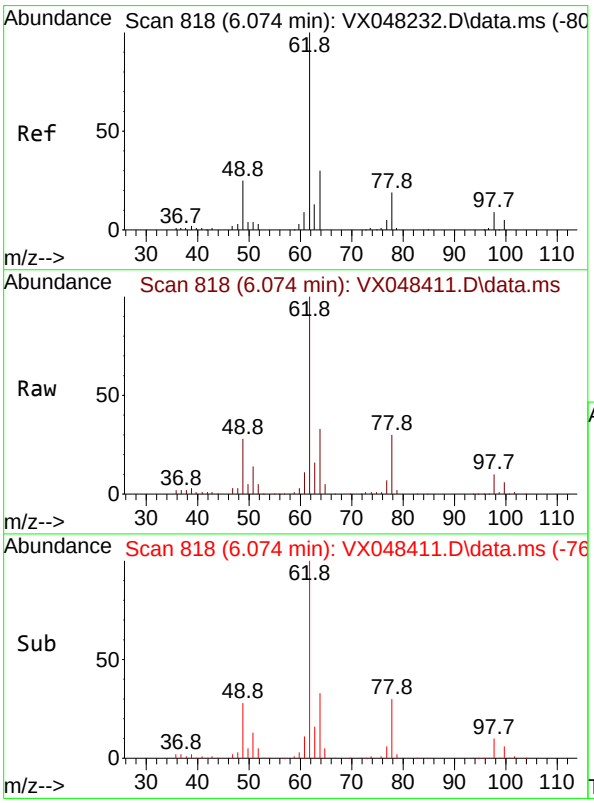
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.0	66.0
67	79.9	58.7	88.1
52	30.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

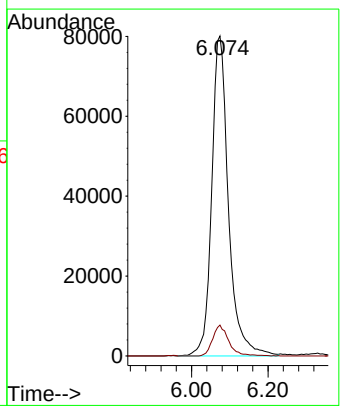
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

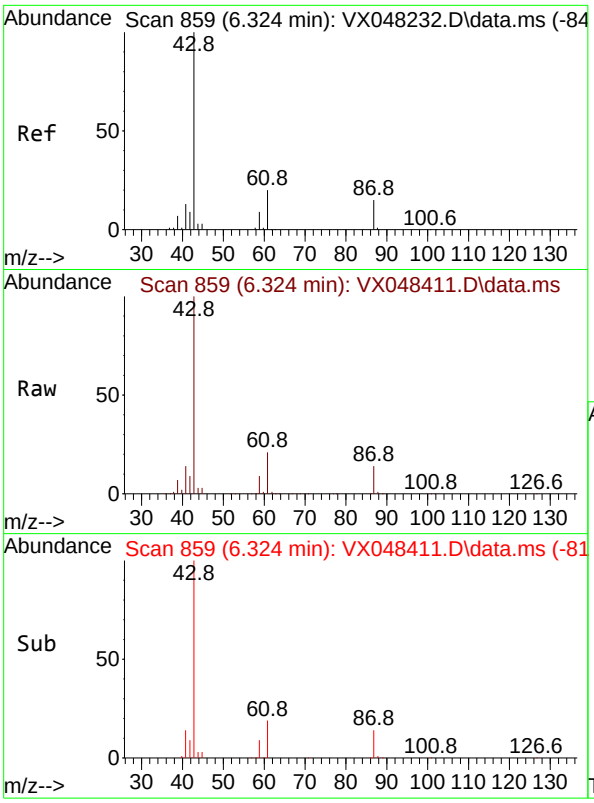


#42
1,2-Dichloroethane
Concen: 99.869 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 62 Resp: 243894

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.2

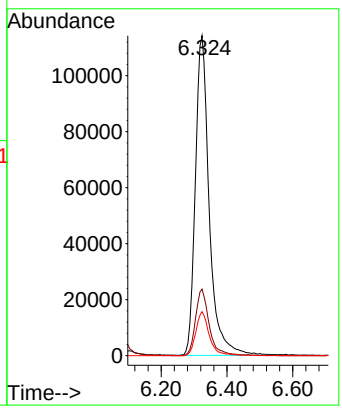




#43
Isopropyl Acetate
Concen: 104.923 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 43 Resp: 33495

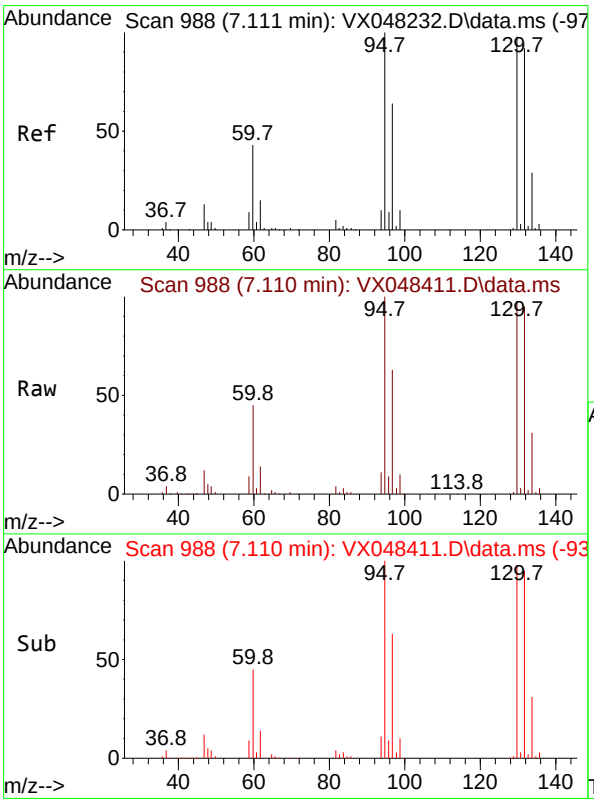
Ion	Ratio	Lower	Upper
43	100		
61	20.5	14.9	22.3
87	13.3	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

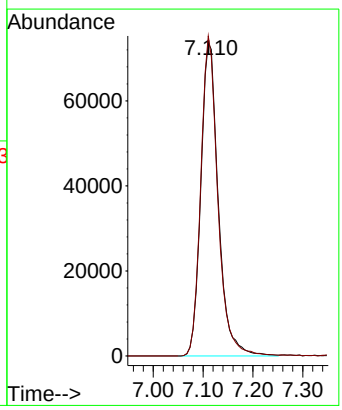
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

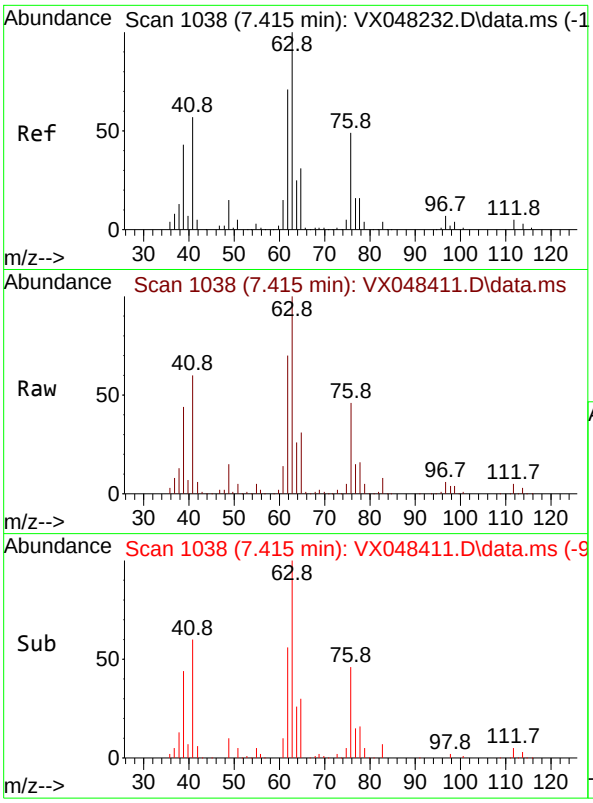


#44
Trichloroethene
Concen: 98.882 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:130 Resp: 179623

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	200.6

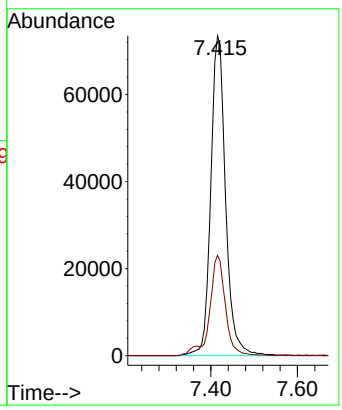




#45
1,2-Dichloropropane
Concen: 100.932 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 63 Resp: 17477

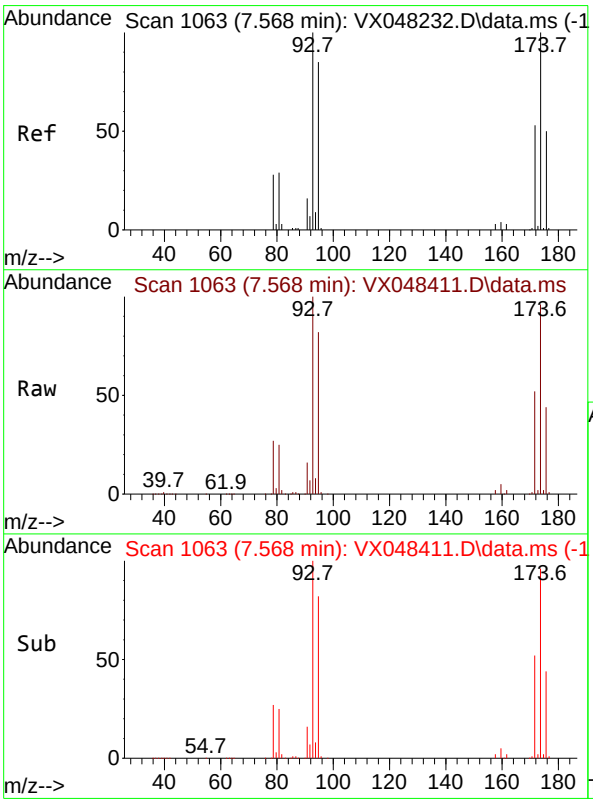
Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

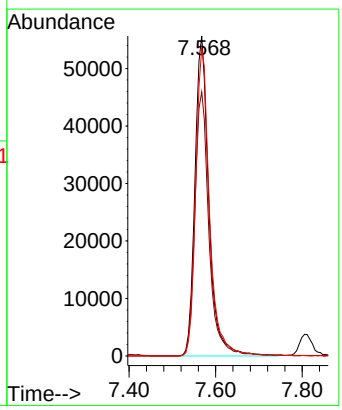
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

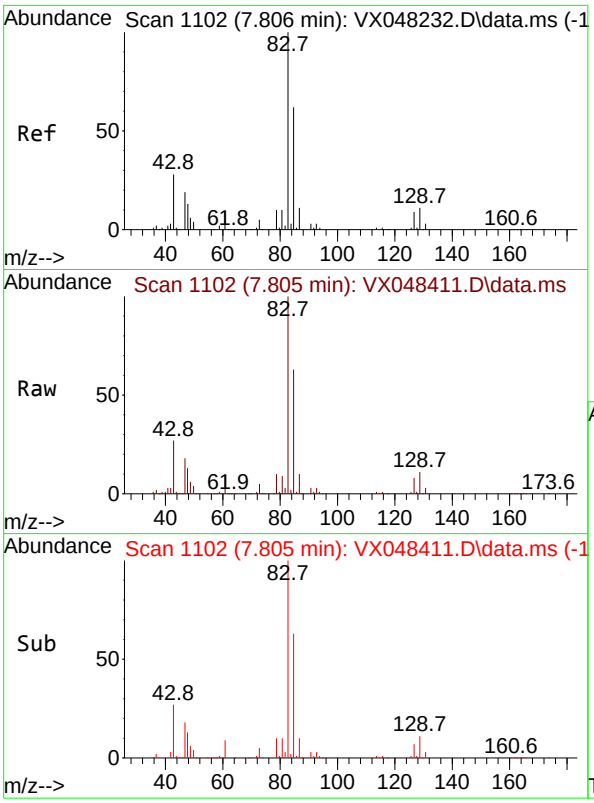


#46
Dibromomethane
Concen: 102.224 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 93 Resp: 123914

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.9	98.9
174	95.9	71.7	107.5

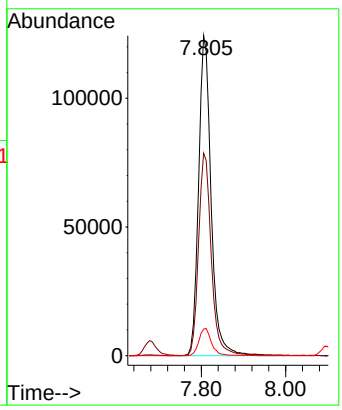




#47
Bromodichloromethane
Concen: 99.708 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 83 Resp: 25680

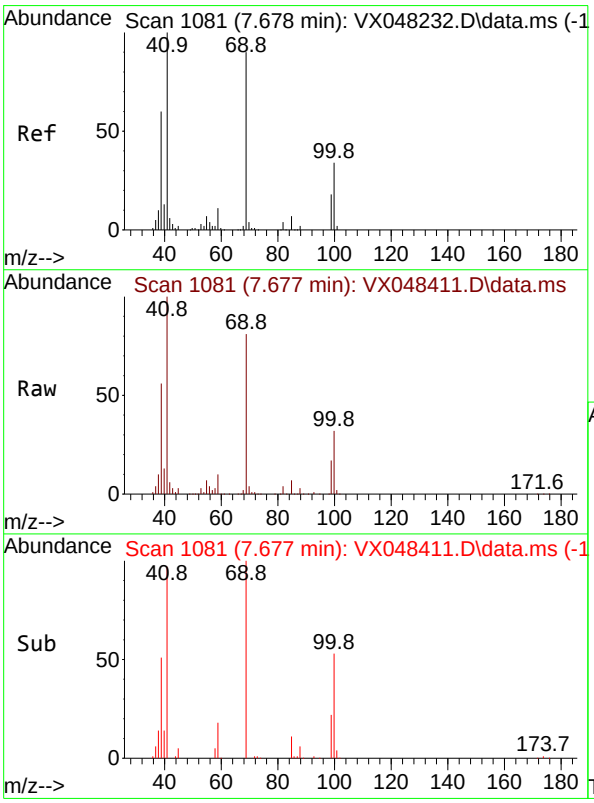
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.4
127	8.3	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

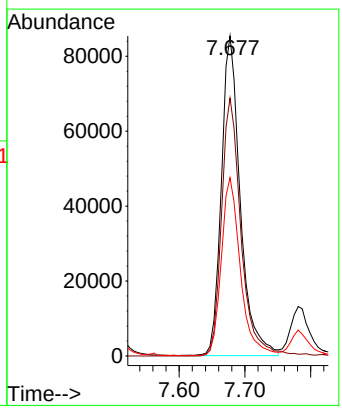
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

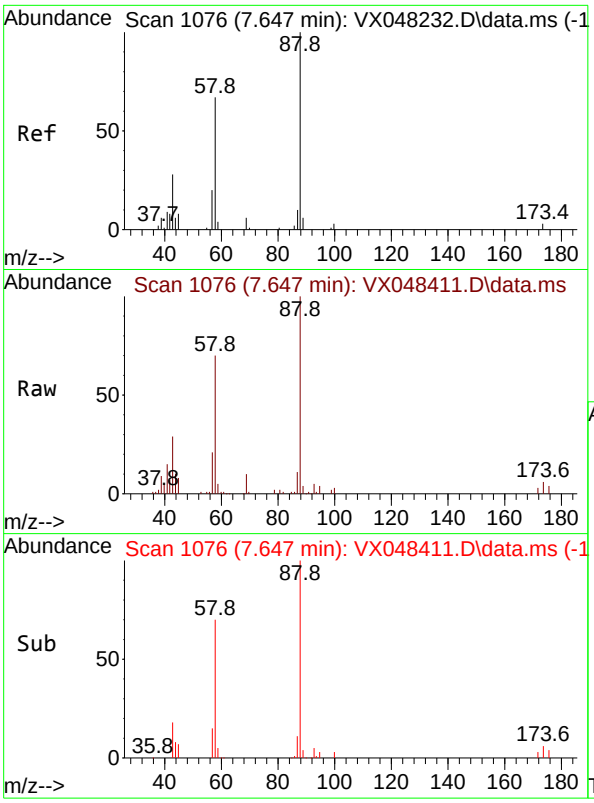


#48
Methyl methacrylate
Concen: 109.801 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 41 Resp: 170938

Ion	Ratio	Lower	Upper
41	100		
69	83.2	63.4	95.0
39	56.1	47.1	70.7

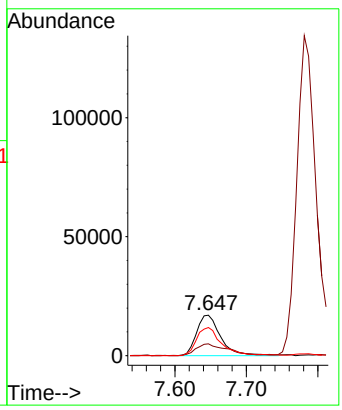




#49
1,4-Dioxane
Concen: 2242.121 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 88 Resp: 3967

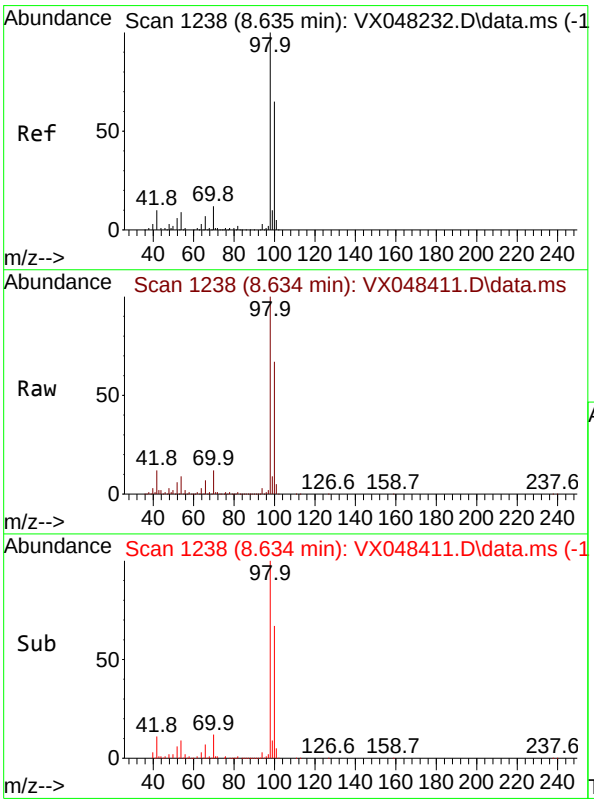
Ion	Ratio	Lower	Upper
88	100		
43	37.8	35.0	52.4
58	73.2	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

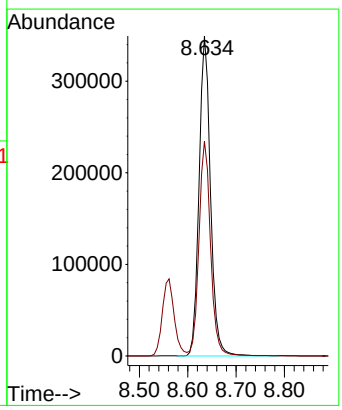
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

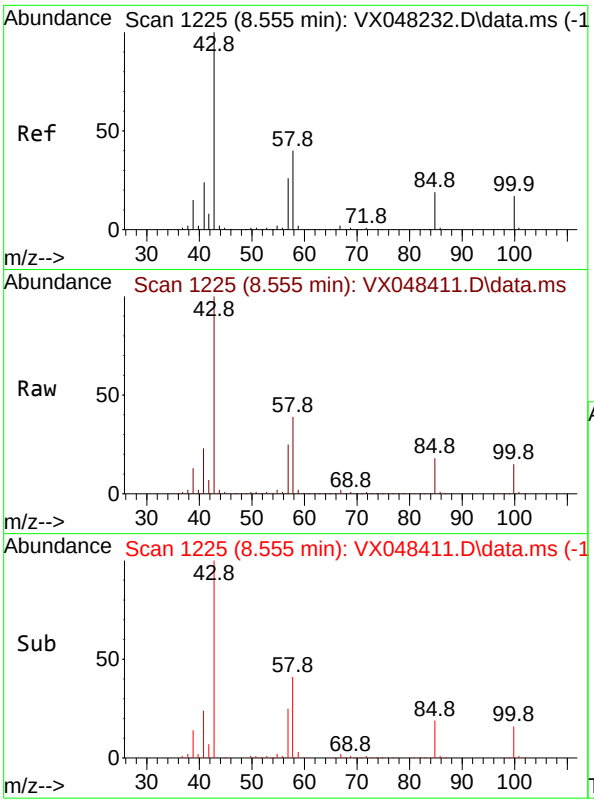


#50
Toluene-d8
Concen: 95.926 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 98 Resp: 572267

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4

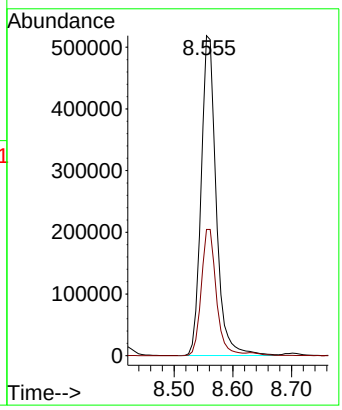




#51
4-Methyl-2-Pentanone
Concen: 521.185 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 43 Resp: 92596

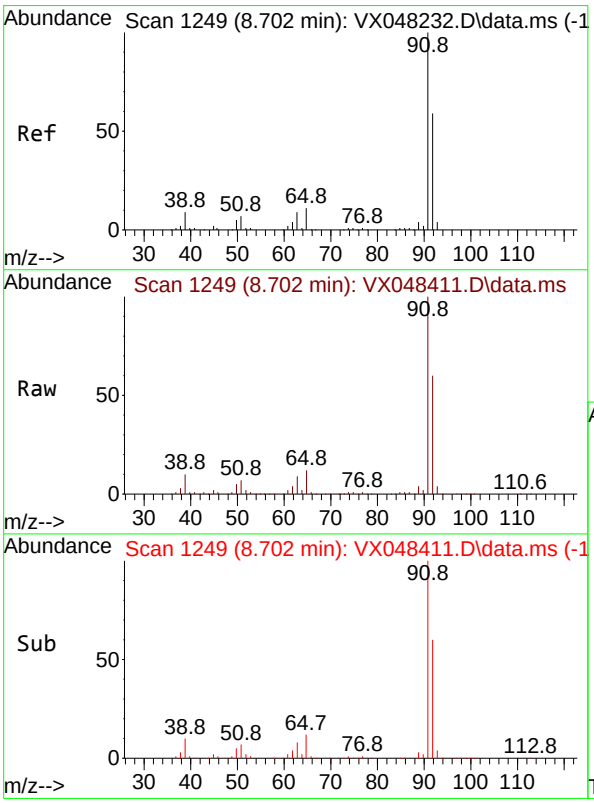
Ion	Ratio	Lower	Upper
43	100		
58	39.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

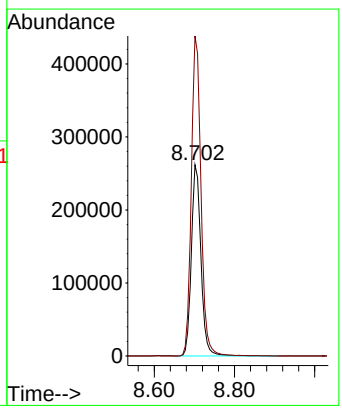
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

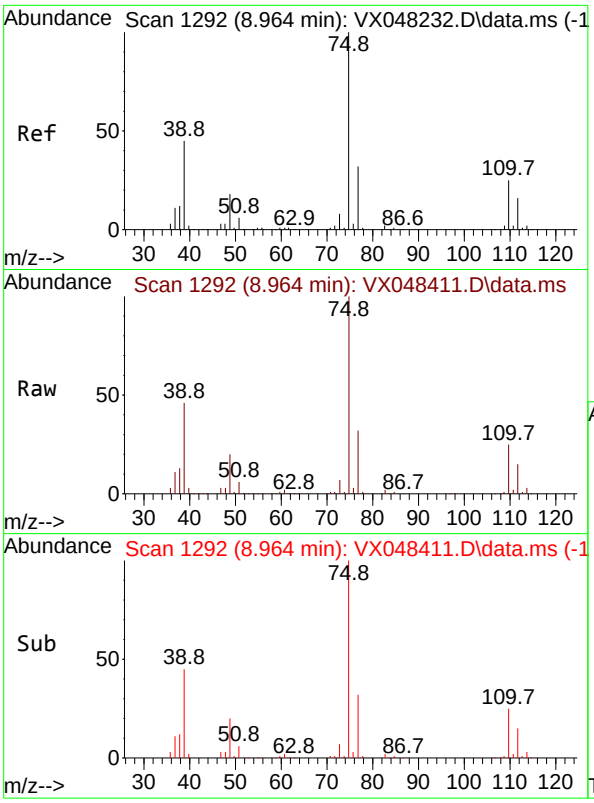


#52
Toluene
Concen: 100.021 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 92 Resp: 433330

Ion	Ratio	Lower	Upper
92	100		
91	169.4	136.1	204.1

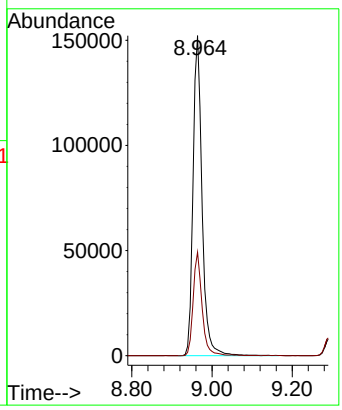




#53
t-1,3-Dichloropropene
Concen: 101.798 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 75 Resp: 23764

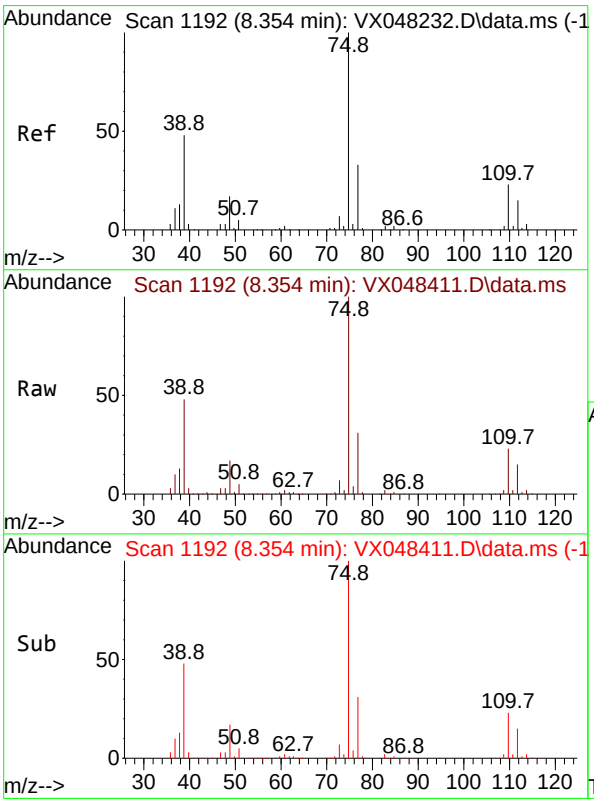
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

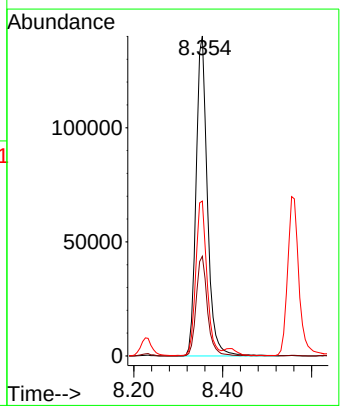
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

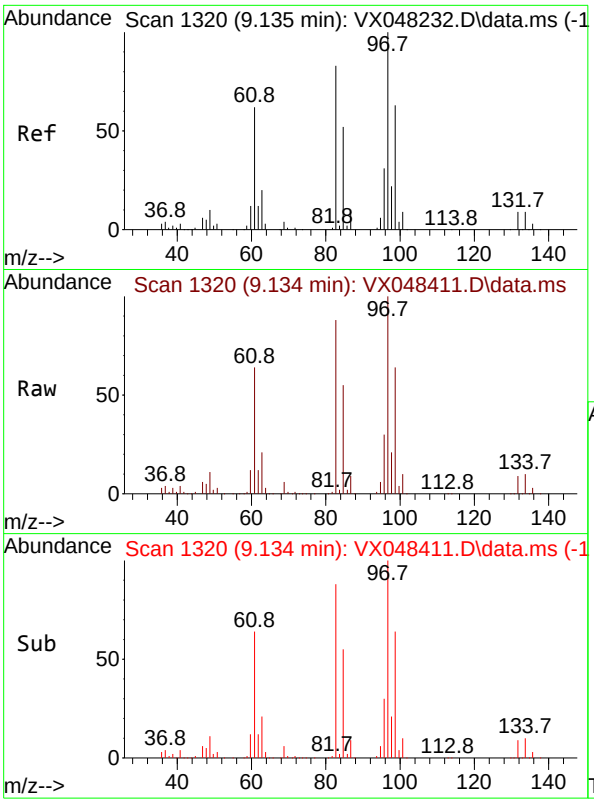


#54
cis-1,3-Dichloropropene
Concen: 98.341 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 75 Resp: 247342

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.9	37.3
39	47.9	42.6	64.0

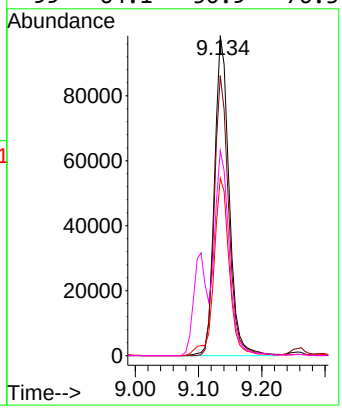




#55
1,1,2-Trichloroethane
Concen: 100.765 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 97 Resp: 15798

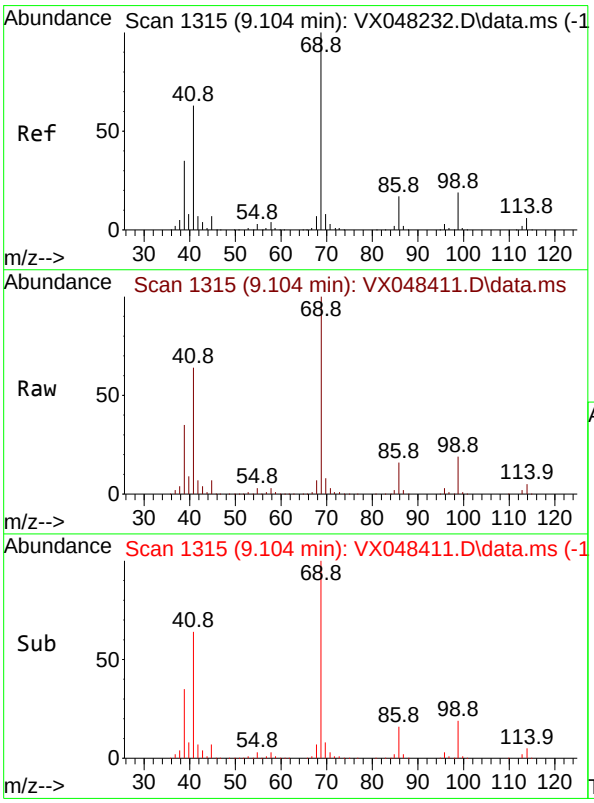
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.6	105.8
85	55.5	45.0	67.6
99	64.1	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

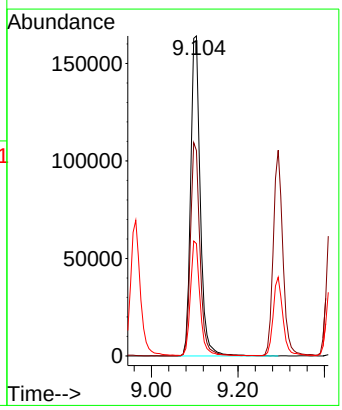
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

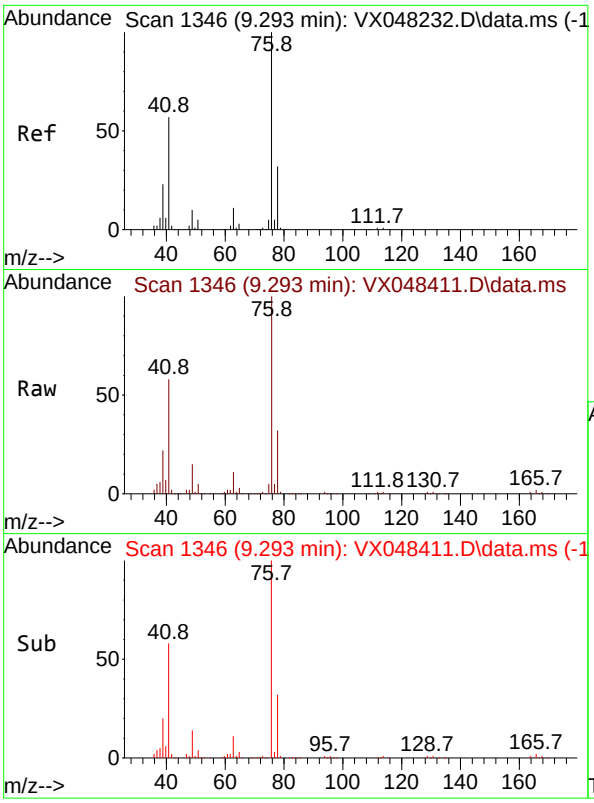


#56
Ethyl methacrylate
Concen: 110.060 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 69 Resp: 252667

Ion	Ratio	Lower	Upper
69	100		
41	66.2	56.0	84.0
39	35.8	31.6	47.4

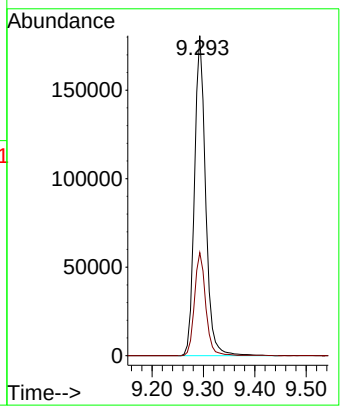




#57
1,3-Dichloropropane
Concen: 100.095 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 76 Resp: 27210

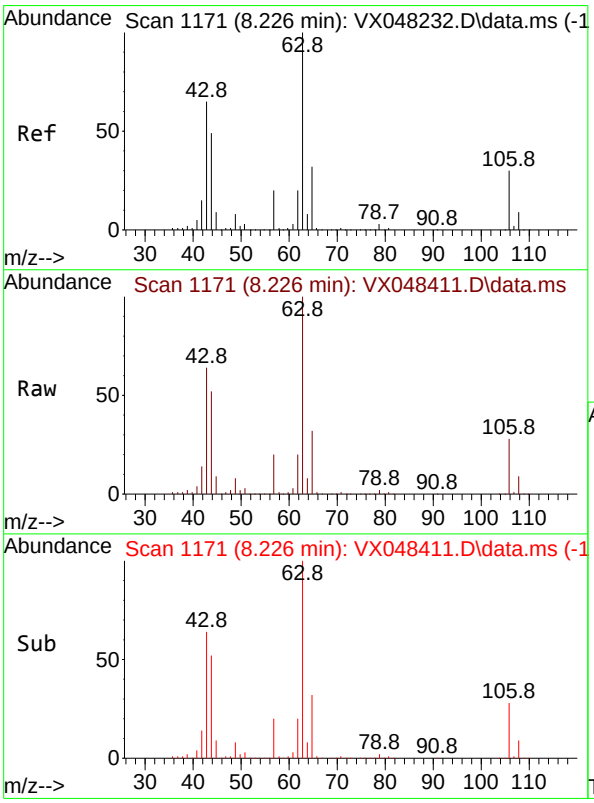
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

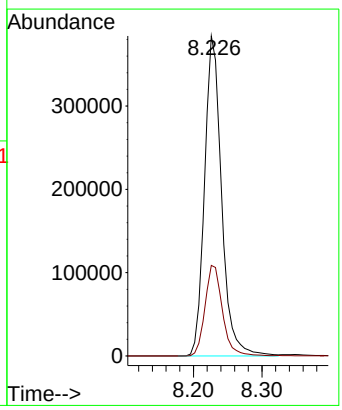
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

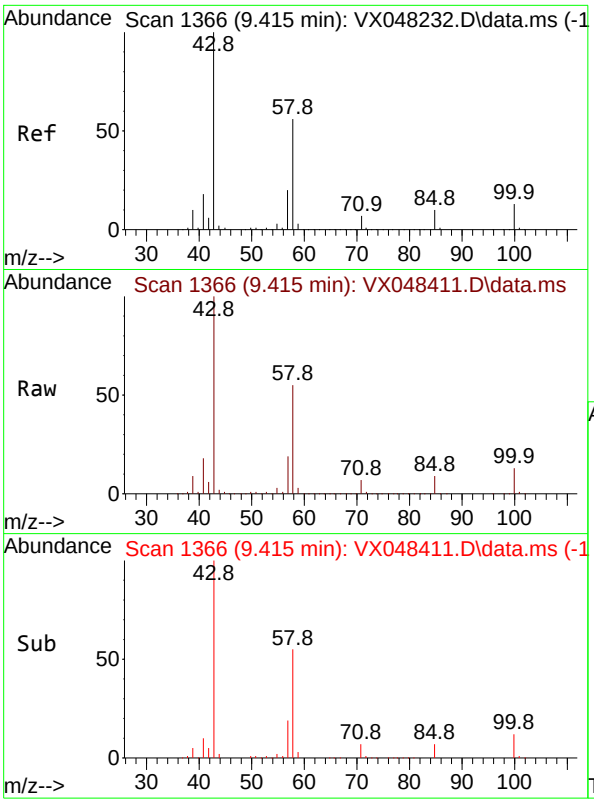


#58
2-Chloroethyl Vinyl ether
Concen: 478.417 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 63 Resp: 666222

Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.2	33.2

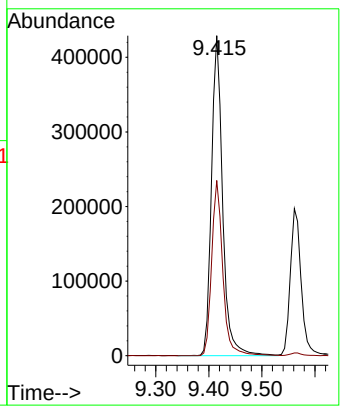




#59
2-Hexanone
Concen: 541.437 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 43 Resp: 62591

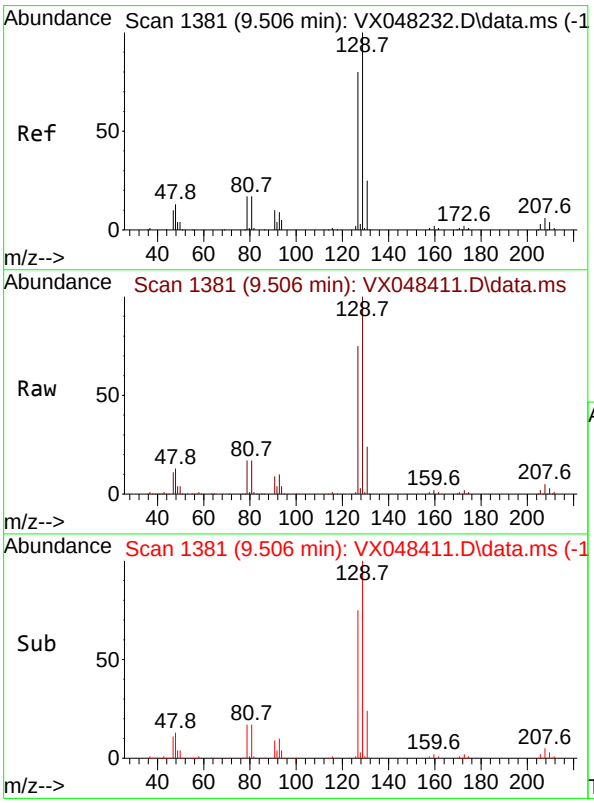
Ion	Ratio	Lower	Upper
43	100		
58	54.7	26.3	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

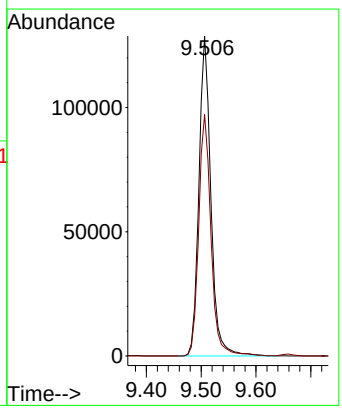
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

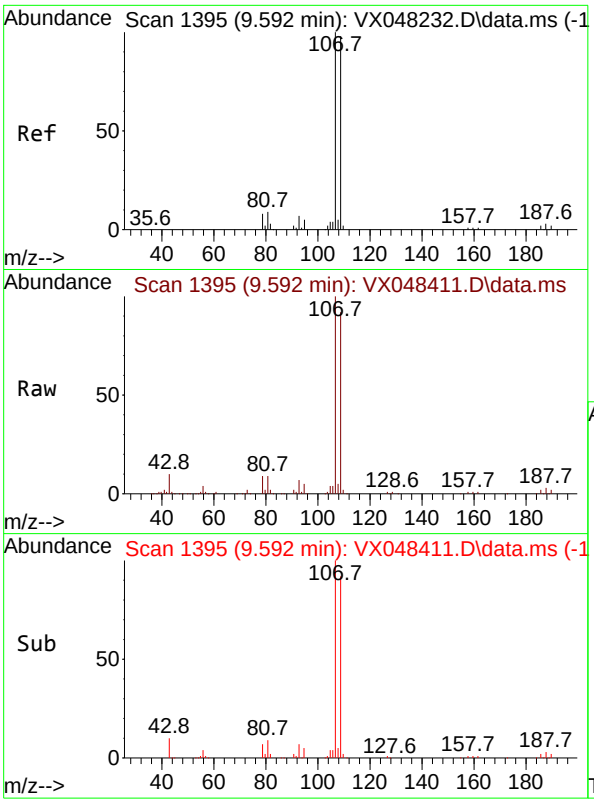


#60
Dibromochloromethane
Concen: 100.712 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:129 Resp: 195285

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7

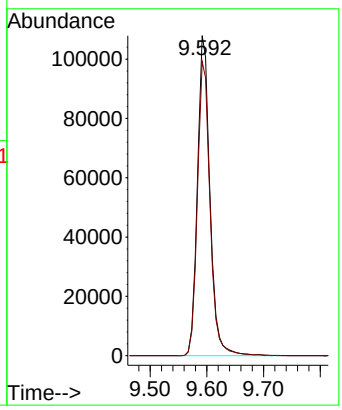




#61
1,2-Dibromoethane
Concen: 101.951 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:107 Resp: 16536

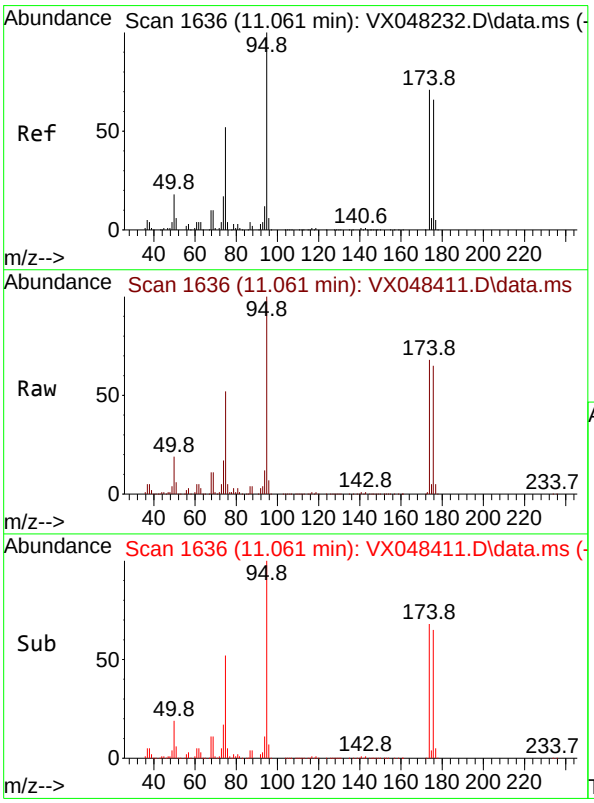
Ion	Ratio	Lower	Upper
107	100		
109	93.0	77.0	115.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

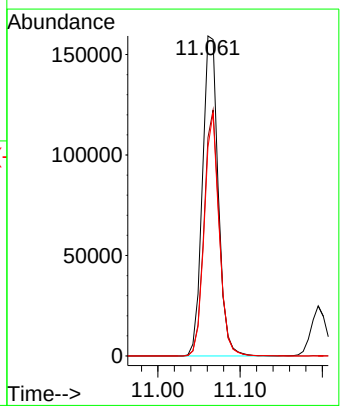
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

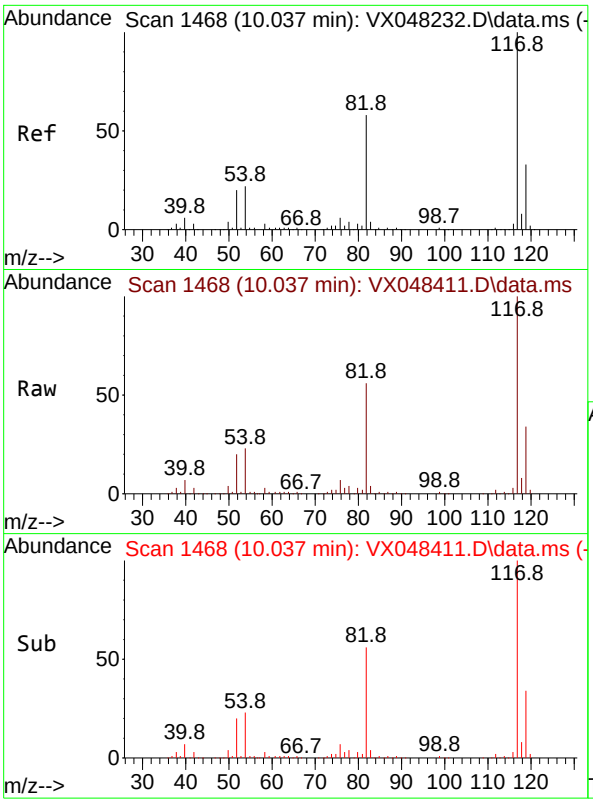


#62
4-Bromofluorobenzene
Concen: 95.278 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 95 Resp: 212629

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	147.8
176	71.4	0.0	142.8

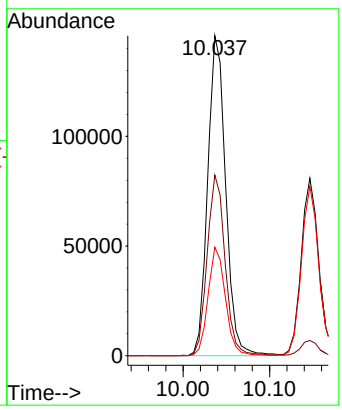




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:117 Resp: 21032

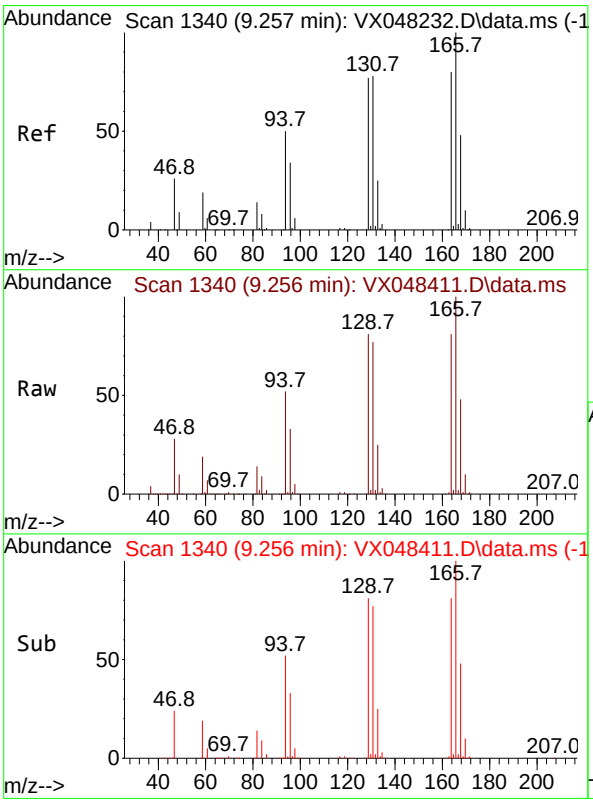
Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.5	69.7
119	33.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

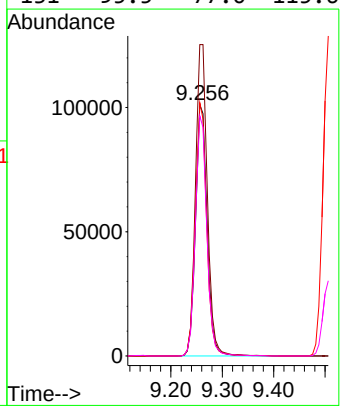
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

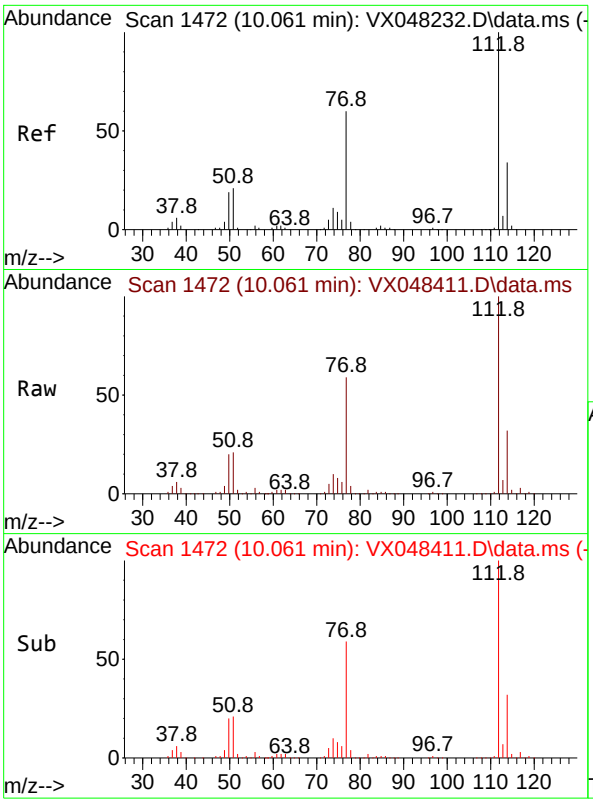


#64
Tetrachloroethene
Concen: 93.397 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:164 Resp: 158194

Ion	Ratio	Lower	Upper
164	100		
166	123.8	104.5	156.7
129	100.8	81.8	122.6
131	95.5	77.0	115.6

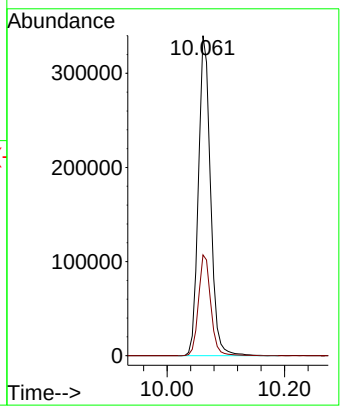




#65
Chlorobenzene
Concen: 100.215 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:112 Resp: 48558

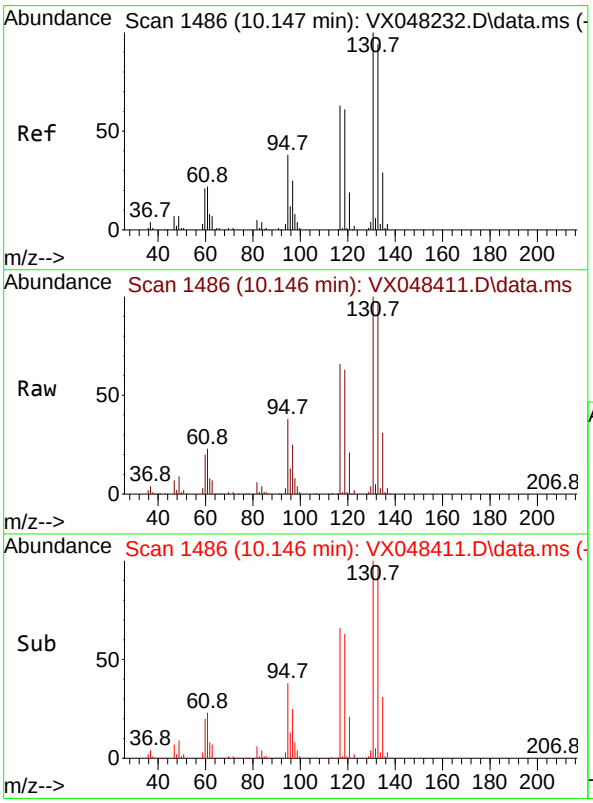
Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

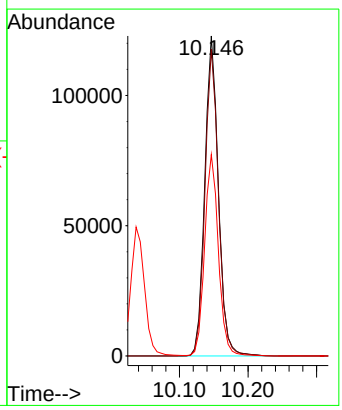
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

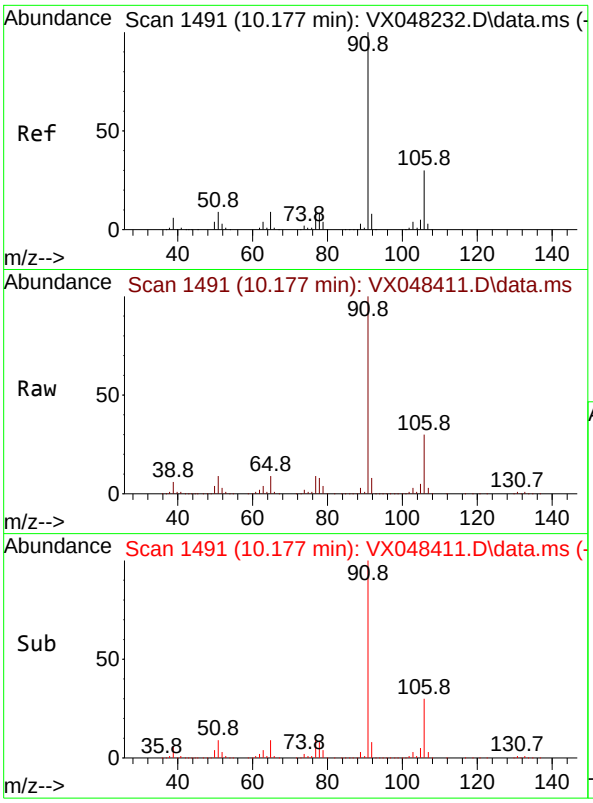


#66
1,1,1,2-Tetrachloroethane
Concen: 103.125 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:131 Resp: 169971

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.6	142.8
119	63.8	32.5	97.5

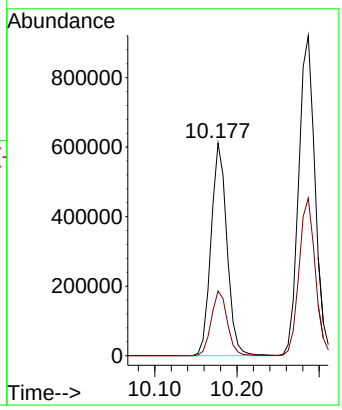




#67
Ethyl Benzene
Concen: 100.581 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 91 Resp: 82058

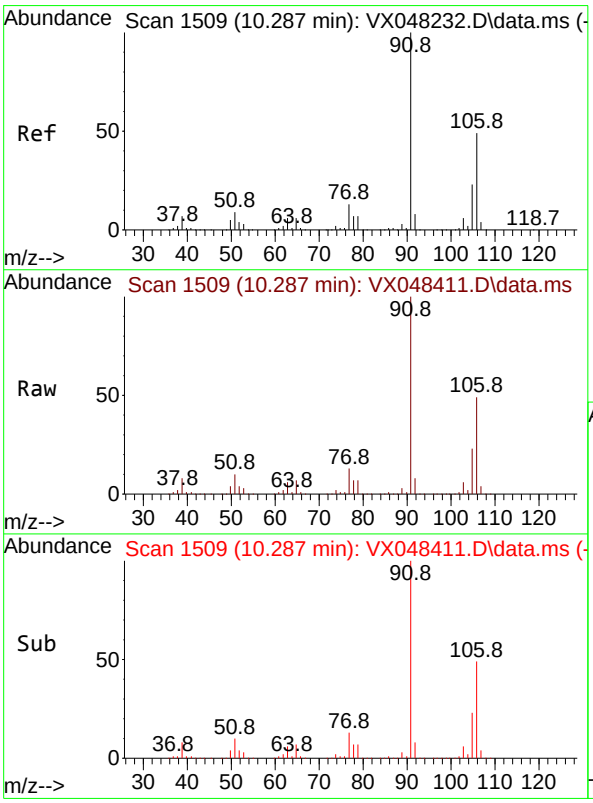
Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

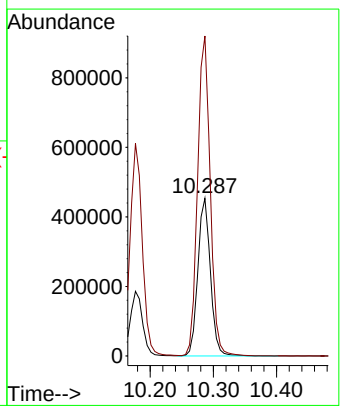
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

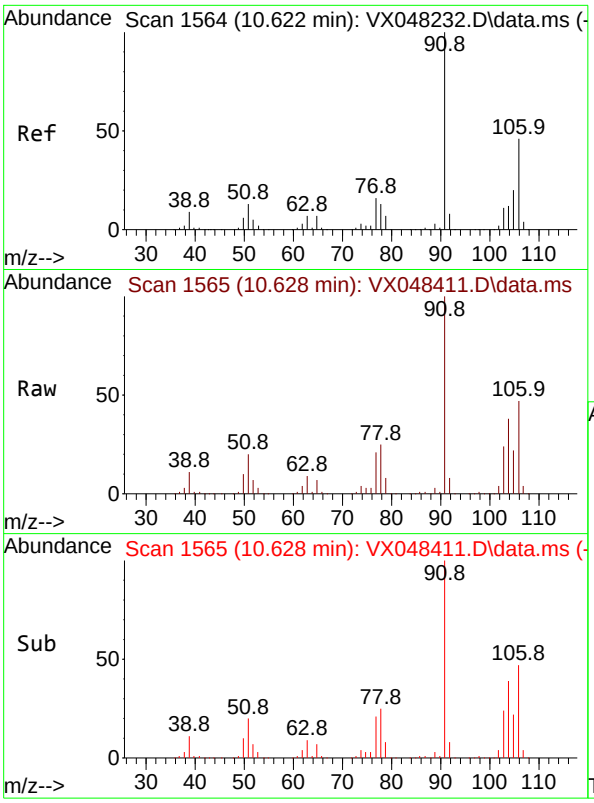


#68
m/p-Xylenes
Concen: 202.737 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:106 Resp: 626265

Ion	Ratio	Lower	Upper
106	100		
91	204.8	167.9	251.9

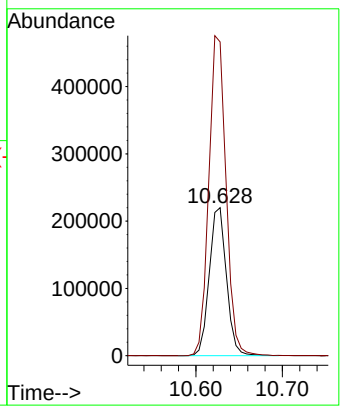




#69
o-Xylene
Concen: 102.675 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:106 Resp: 30308

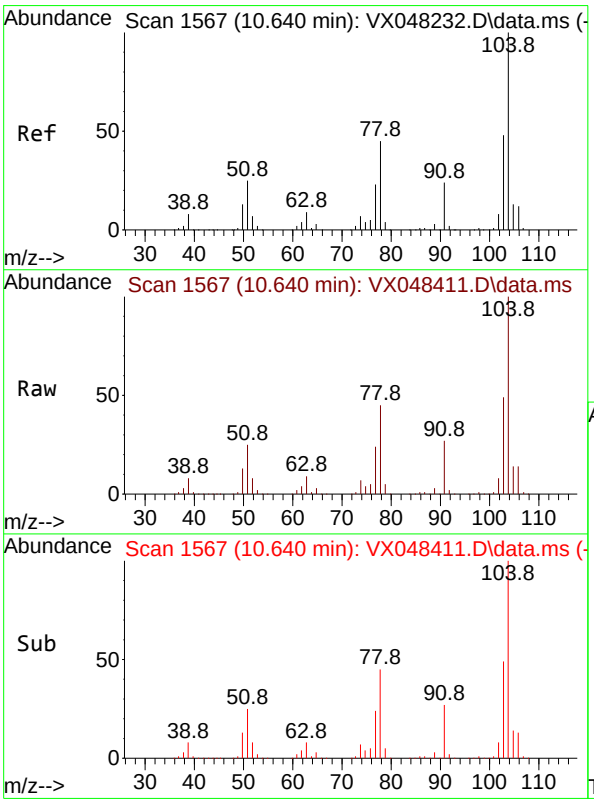
Ion	Ratio	Lower	Upper
106	100		
91	217.2	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

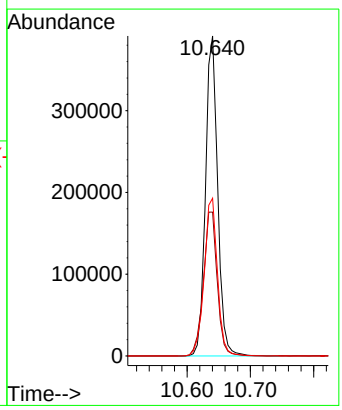
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

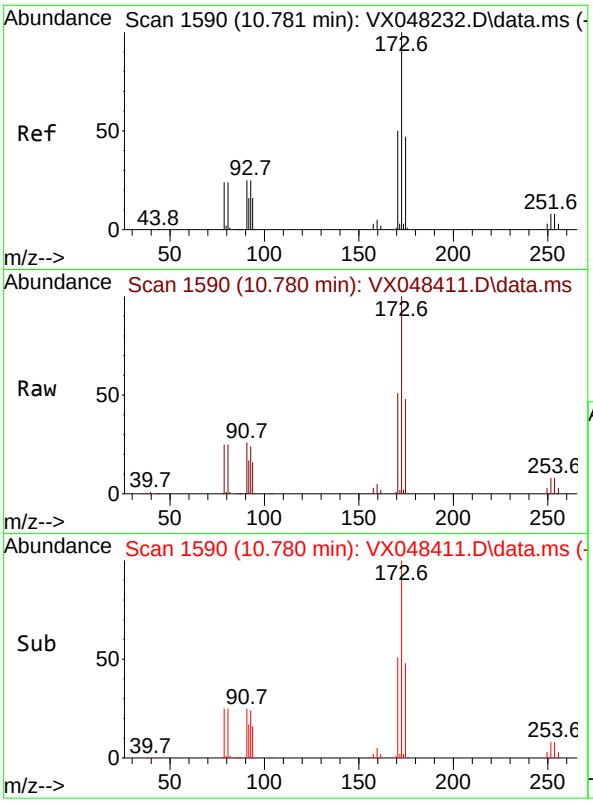


#70
Styrene
Concen: 104.884 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:104 Resp: 524485

Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.2	63.4
103	53.9	43.0	64.4





#71
Bromoform
Concen: 105.343 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

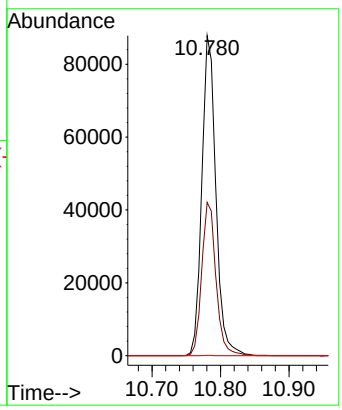
Tgt Ion:173 Resp: 12560

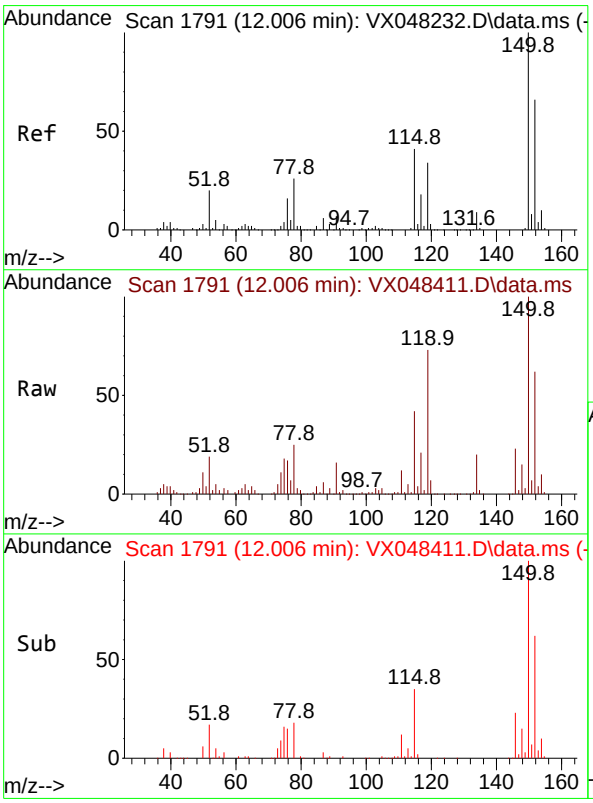
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.0	72.0
254	0.1	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

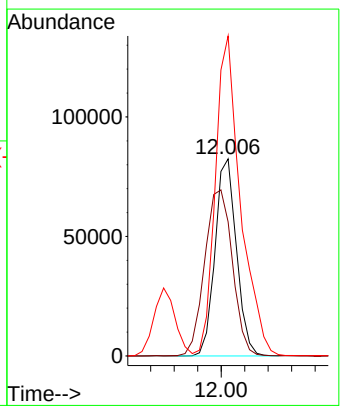


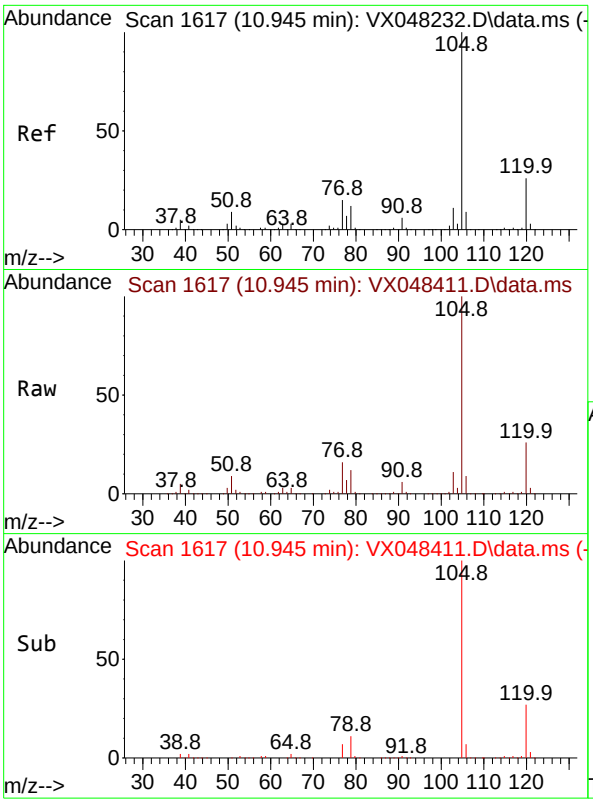


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:152 Resp: 104326

Ion	Ratio	Lower	Upper
152	100		
115	108.9	43.1	129.4
150	191.2	0.0	353.0

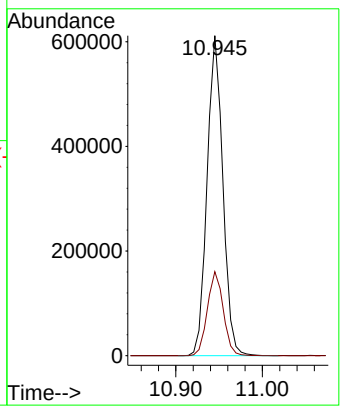




#73
Isopropylbenzene
Concen: 100.054 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:105 Resp: 77206

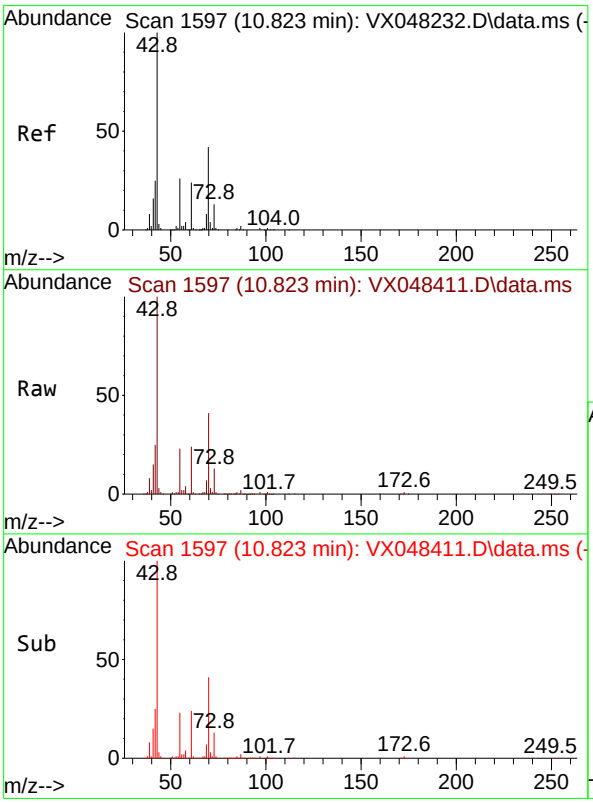
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

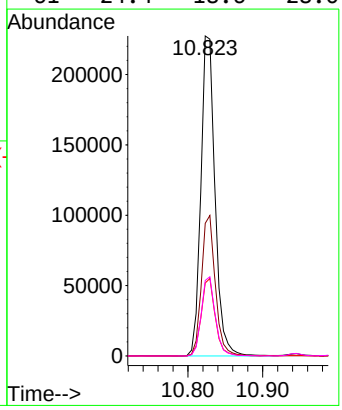
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

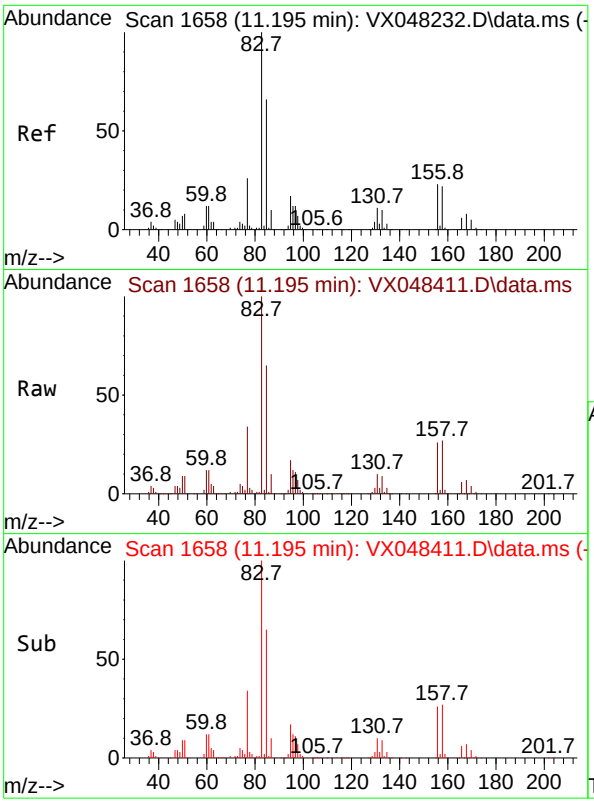


#74
N-amyl acetate
Concen: 108.827 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 43 Resp: 299571

Ion	Ratio	Lower	Upper
43	100		
70	43.0	32.2	48.2
55	24.0	19.1	28.7
61	24.4	18.6	28.0

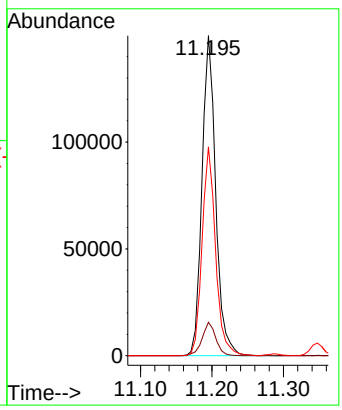




#75
1,1,2,2-Tetrachloroethane
Concen: 102.062 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 83 Resp: 19948

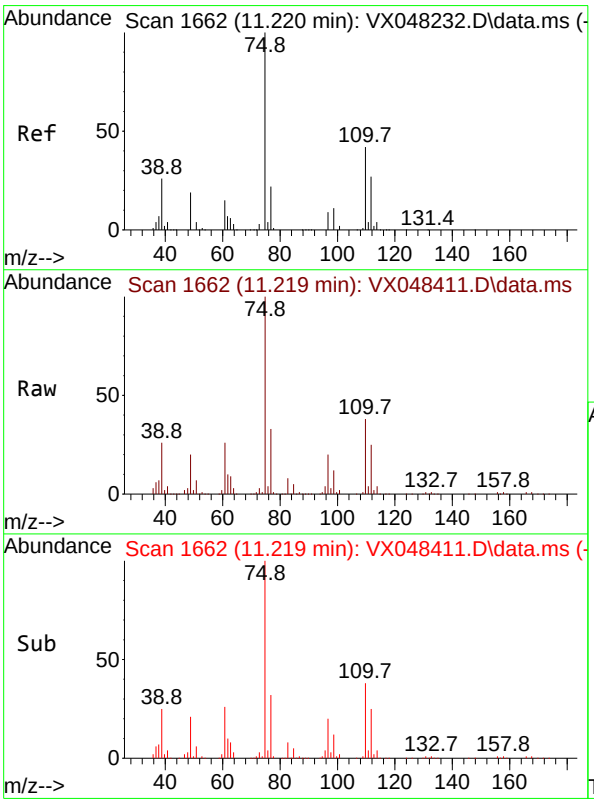
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.4
85	64.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

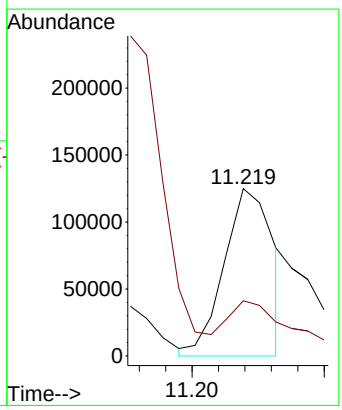
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

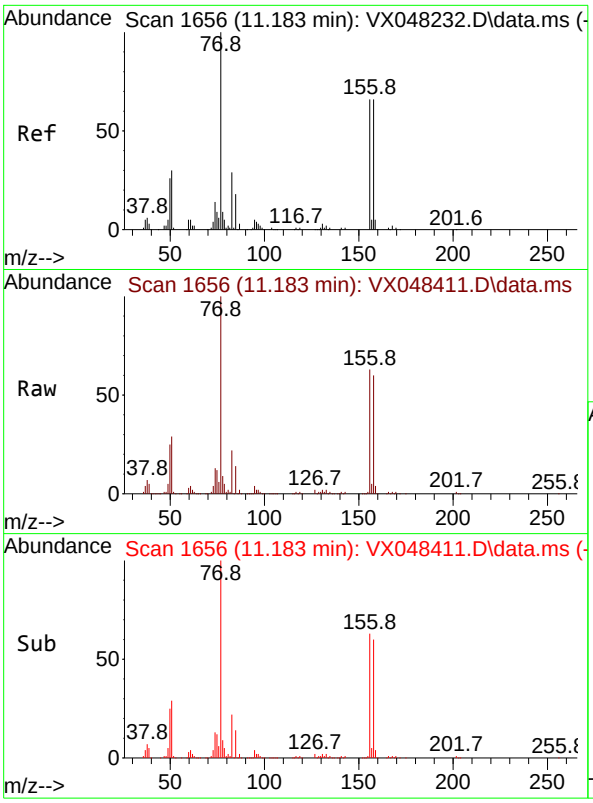


#76
1,2,3-Trichloropropane
Concen: 98.087 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 75 Resp: 159600

Ion	Ratio	Lower	Upper
75	100		
77	43.4	22.4	67.2

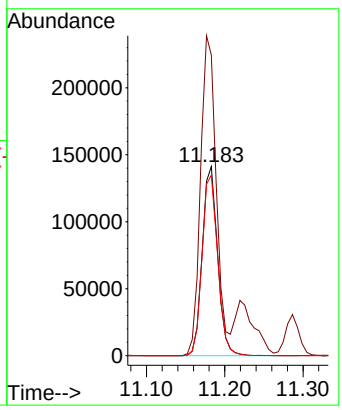




#77
Bromobenzene
Concen: 100.568 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:156 Resp: 19169

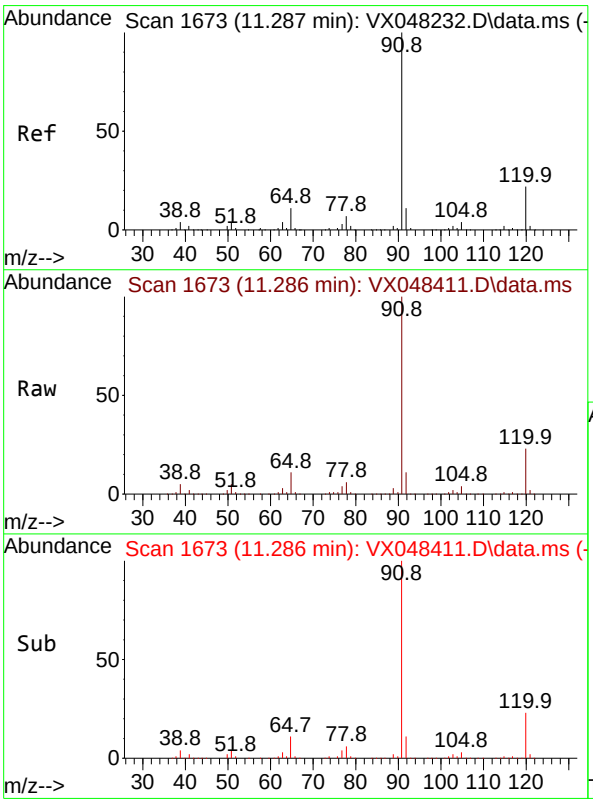
Ion	Ratio	Lower	Upper
156	100		
77	174.0	87.0	261.0
158	97.5	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

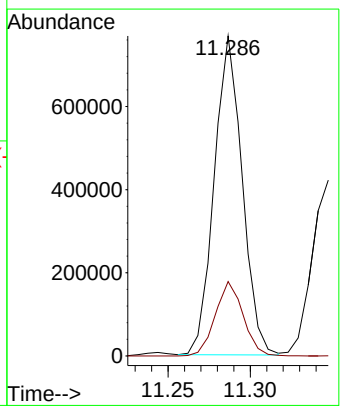
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

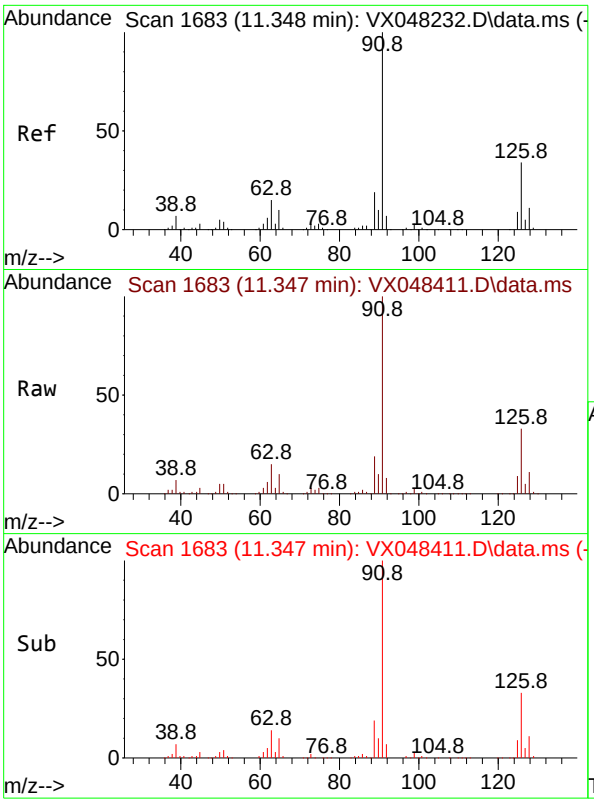


#78
n-propylbenzene
Concen: 99.564 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 91 Resp: 908036

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.1	33.1





#79
2-Chlorotoluene
Concen: 99.407 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

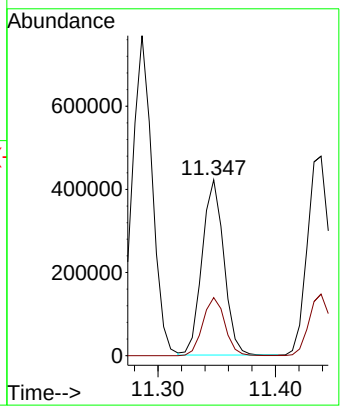
Tgt Ion: 91 Resp: 54432

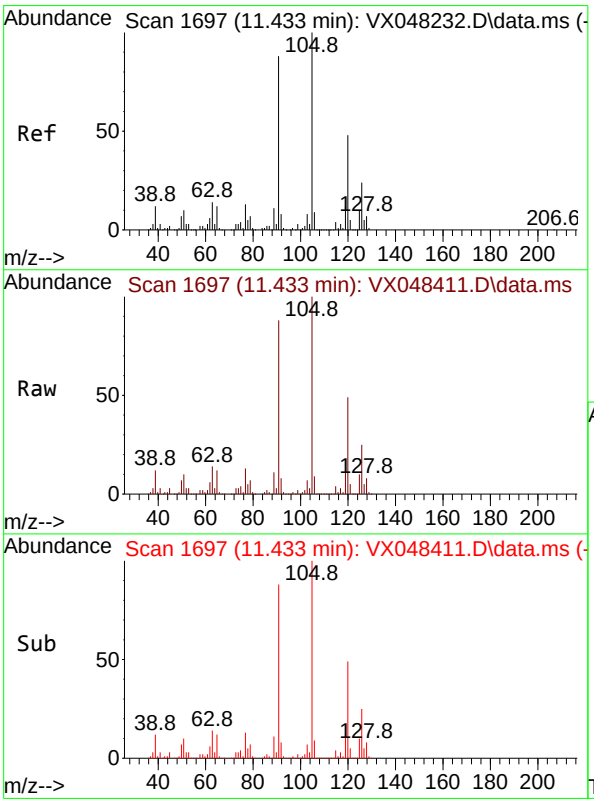
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

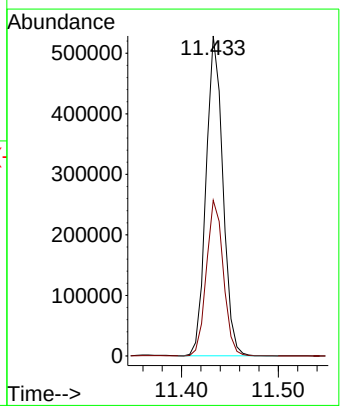


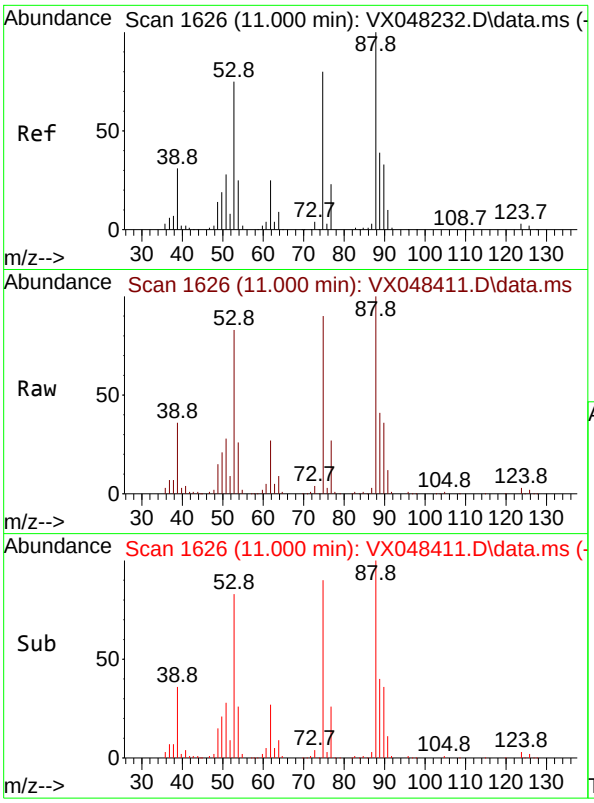


#80
1,3,5-Trimethylbenzene
Concen: 101.097 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:105 Resp: 639478

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.0	72.0

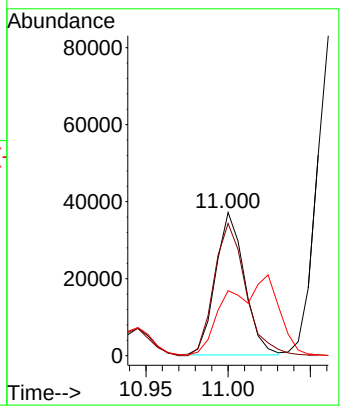




#81
trans-1,4-Dichloro-2-butene
Concen: 104.353 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 75 Resp: 4524

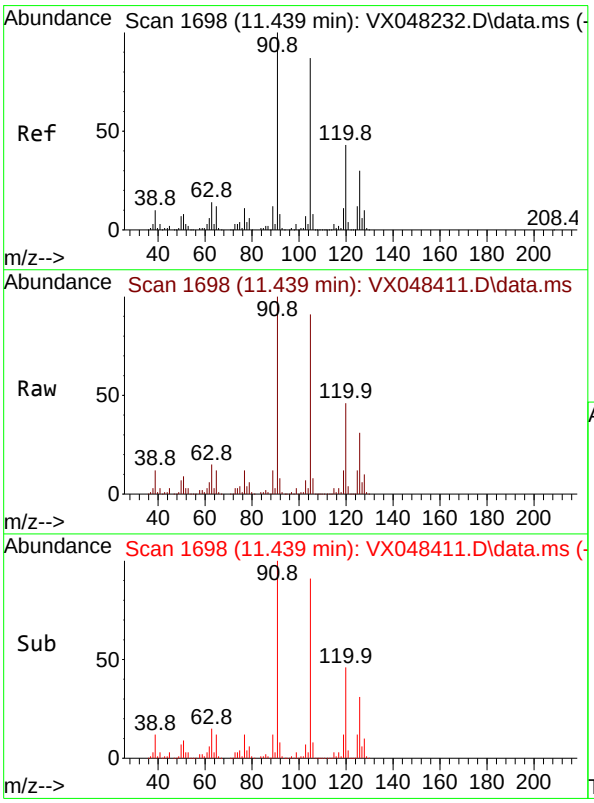
Ion	Ratio	Lower	Upper
75	100		
53	102.8	79.5	119.3
89	0.0	36.8	55.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

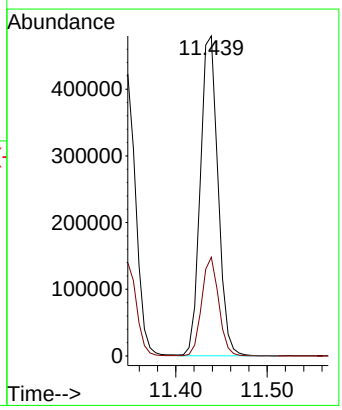
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

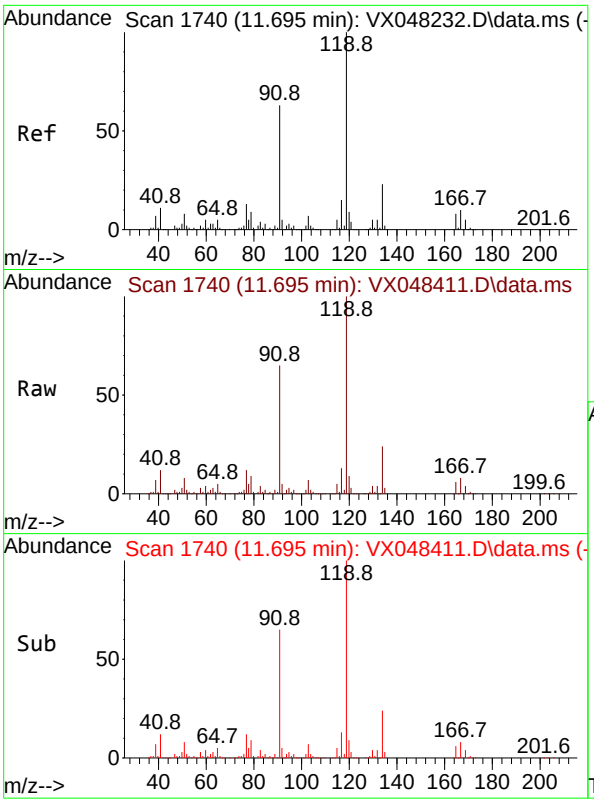


#82
4-Chlorotoluene
Concen: 99.695 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 91 Resp: 641755

Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.1	42.4

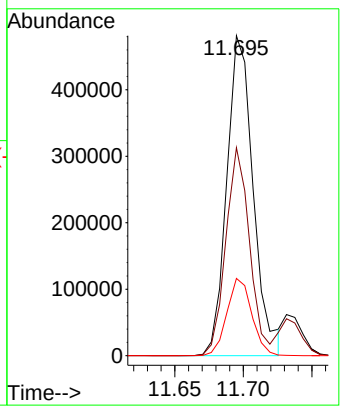




#83
tert-Butylbenzene
Concen: 100.392 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:119 Resp: 64648

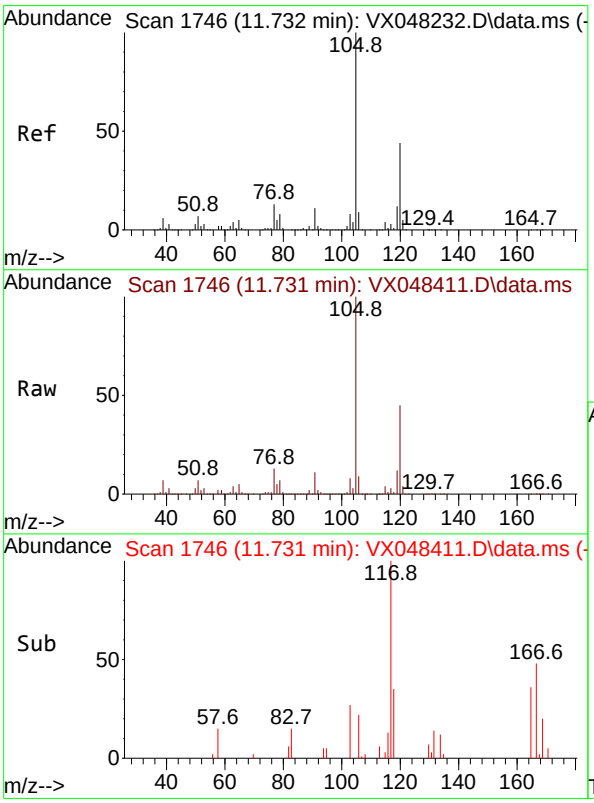
Ion	Ratio	Lower	Upper
119	100		
91	58.4	30.3	91.0
134	22.8	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

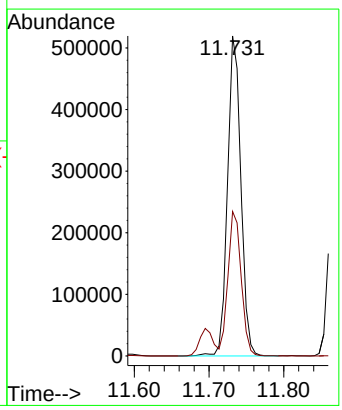
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

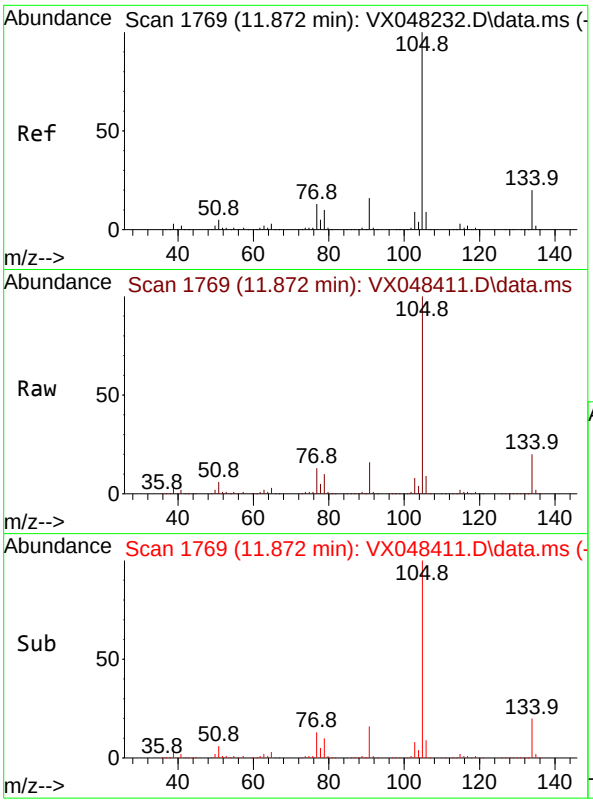


#84
1,2,4-Trimethylbenzene
Concen: 102.686 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:105 Resp: 643122

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.1	66.5

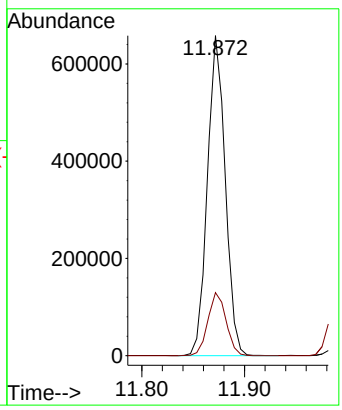




#85
sec-Butylbenzene
Concen: 98.644 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:105 Resp: 79150

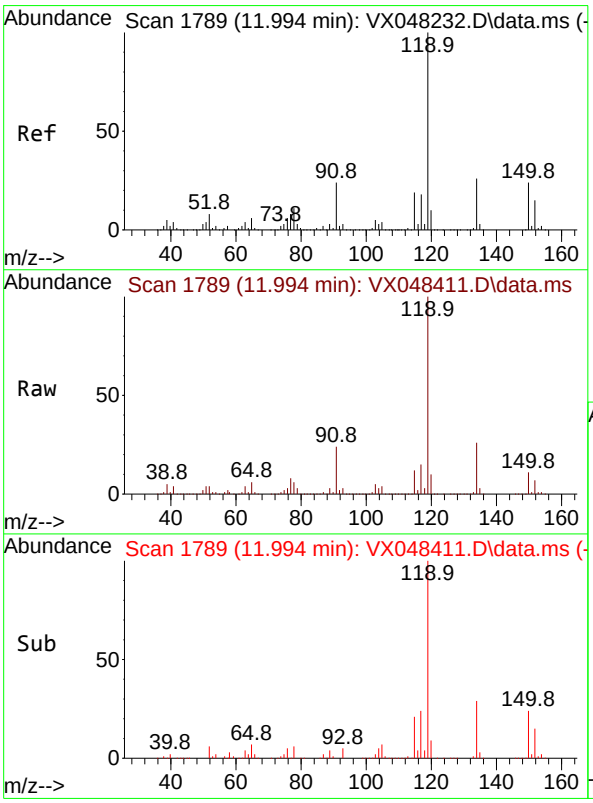
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

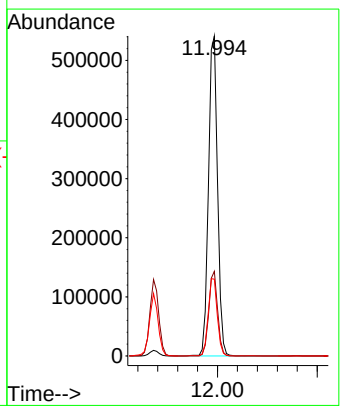
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

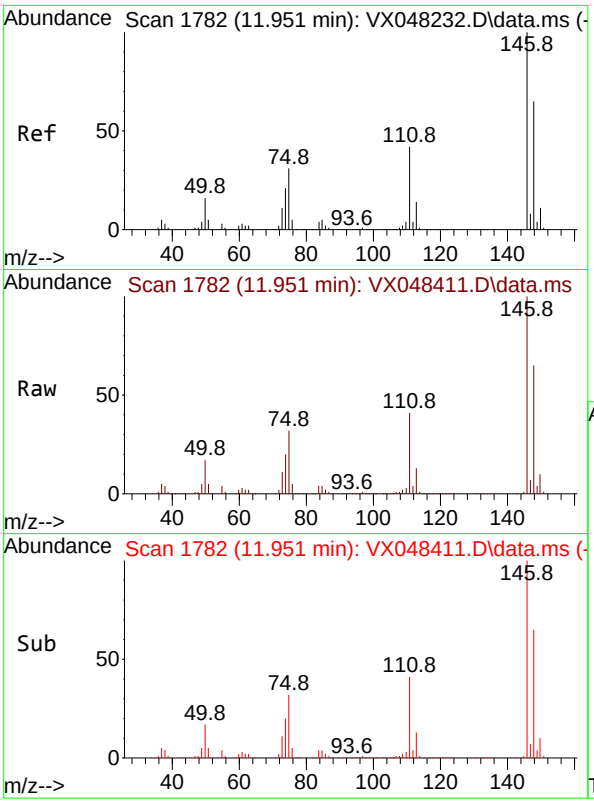


#86
p-Isopropyltoluene
Concen: 100.170 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:119 Resp: 679495

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	24.4	12.1	36.3

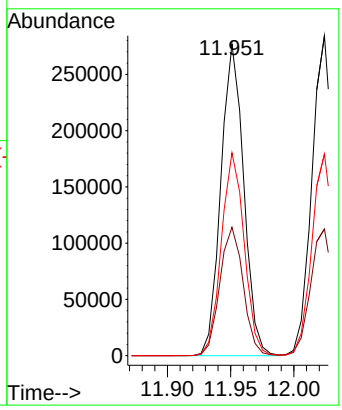




#87
1,3-Dichlorobenzene
Concen: 95.499 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:146 Resp: 34764

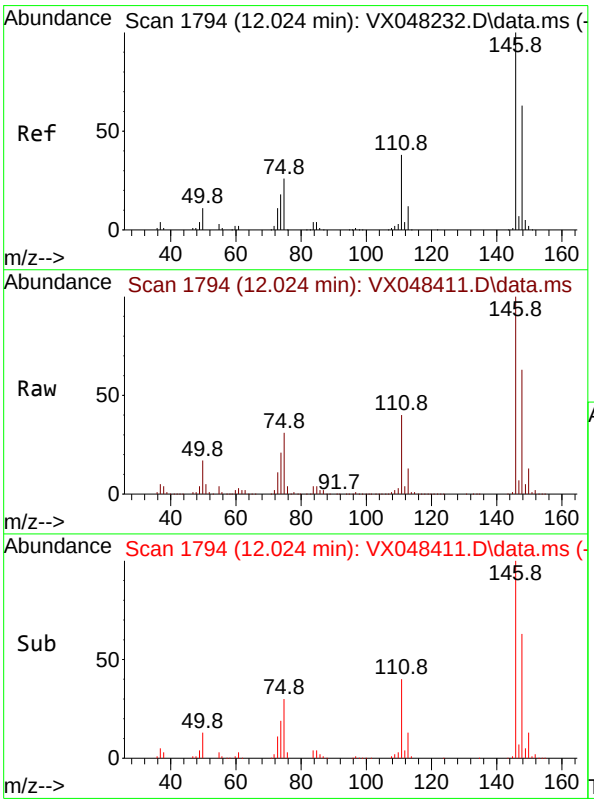
Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.2
148	65.0	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

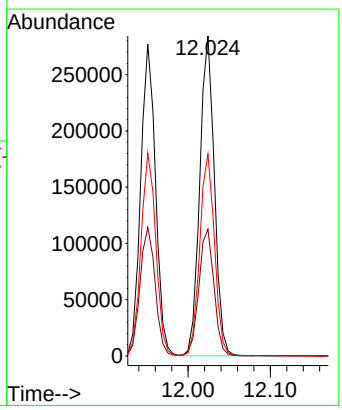
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

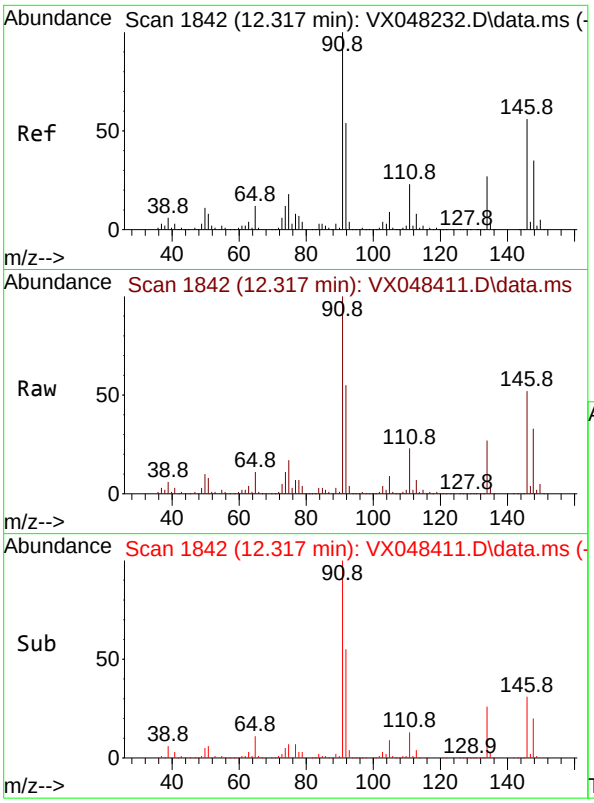


#88
1,4-Dichlorobenzene
Concen: 94.761 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:146 Resp: 351340

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.1	60.2
148	63.7	31.8	95.3

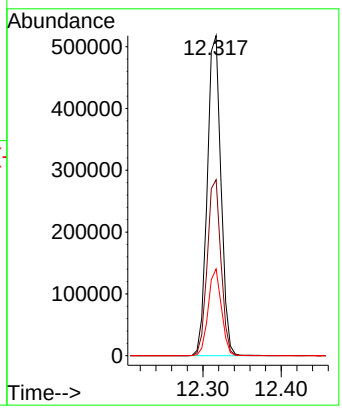




#89
n-Butylbenzene
Concen: 98.374 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 91 Resp: 62653

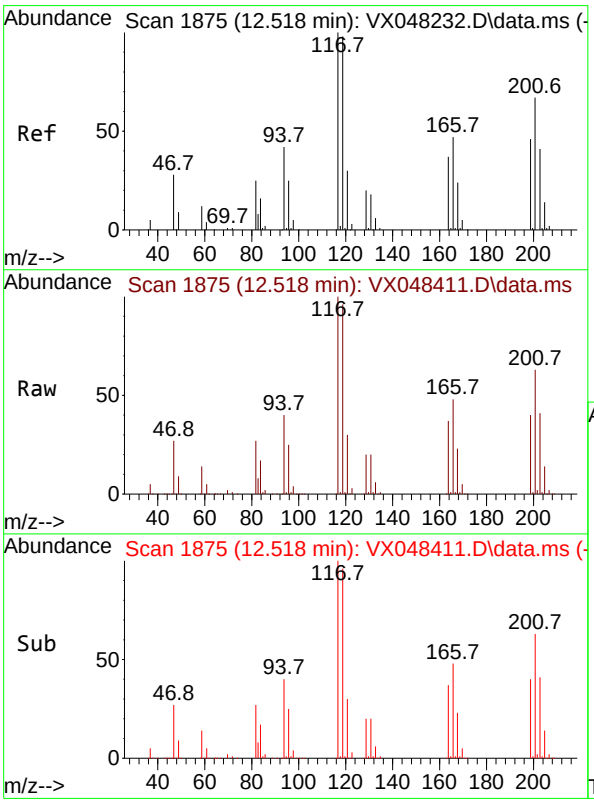
Ion	Ratio	Lower	Upper
91	100		
92	55.0	26.9	80.6
134	26.2	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

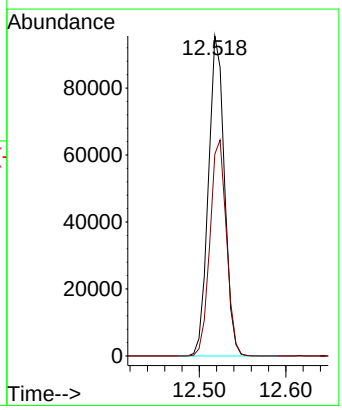
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

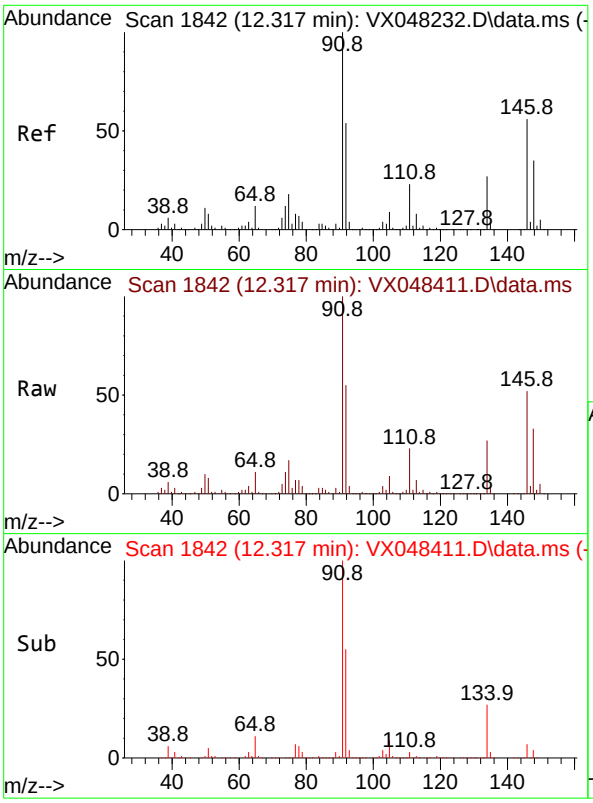


#90
Hexachloroethane
Concen: 103.167 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:117 Resp: 122970

Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.1	102.2

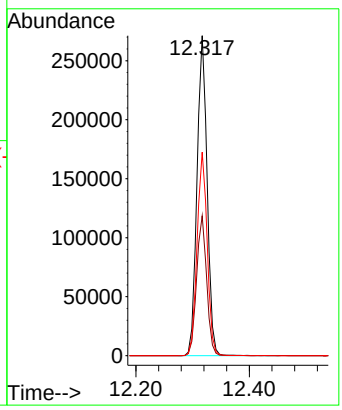




#91
1,2-Dichlorobenzene
Concen: 99.415 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:146 Resp: 33536

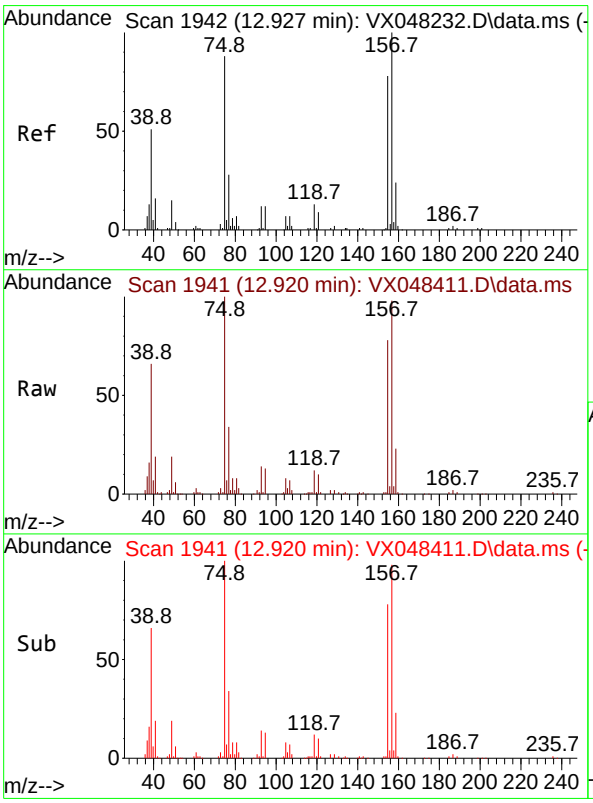
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.5
148	63.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

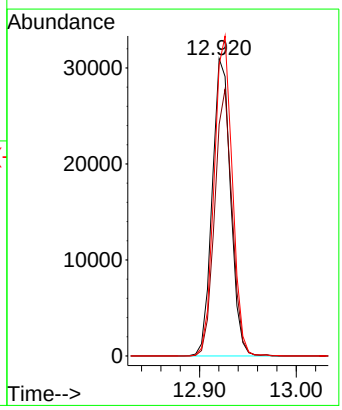
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

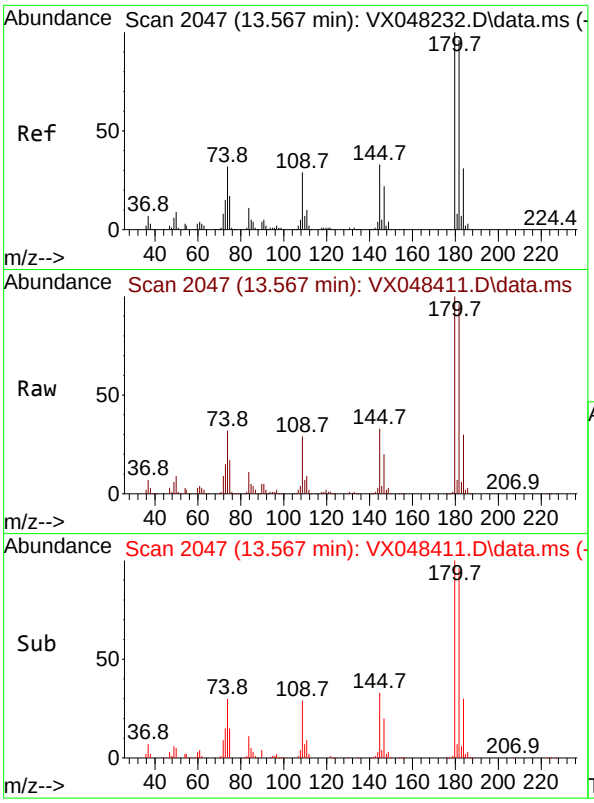


#92
1,2-Dibromo-3-Chloropropane
Concen: 106.406 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion: 75 Resp: 40725

Ion	Ratio	Lower	Upper
75	100		
155	85.6	42.8	128.4
157	106.5	54.2	162.6

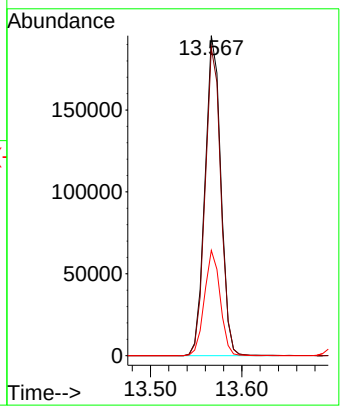




#93
1,2,4-Trichlorobenzene
Concen: 100.768 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:180 Resp: 23456

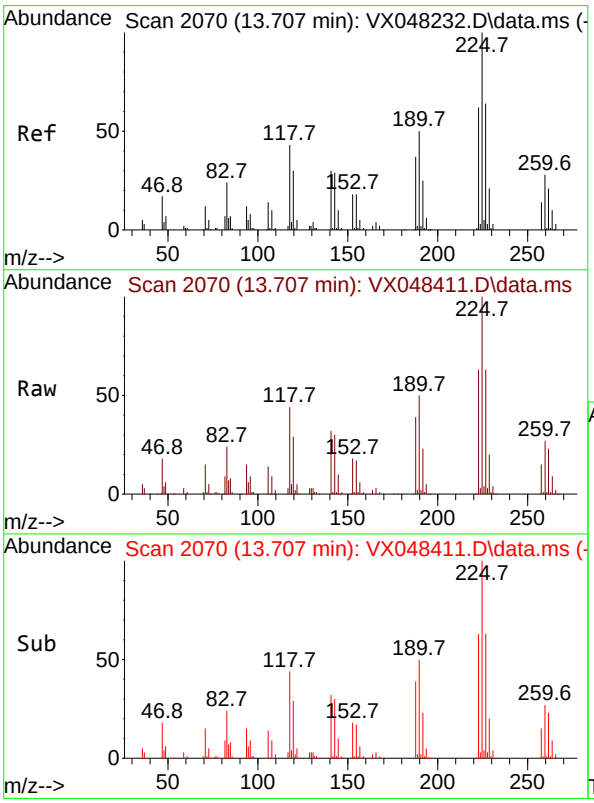
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	142.0
145	32.7	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

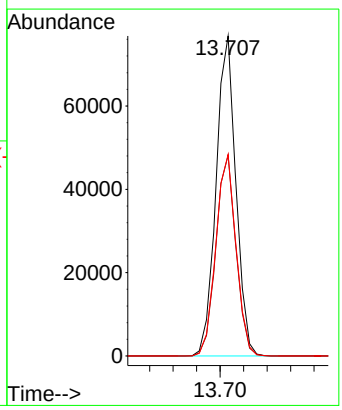
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

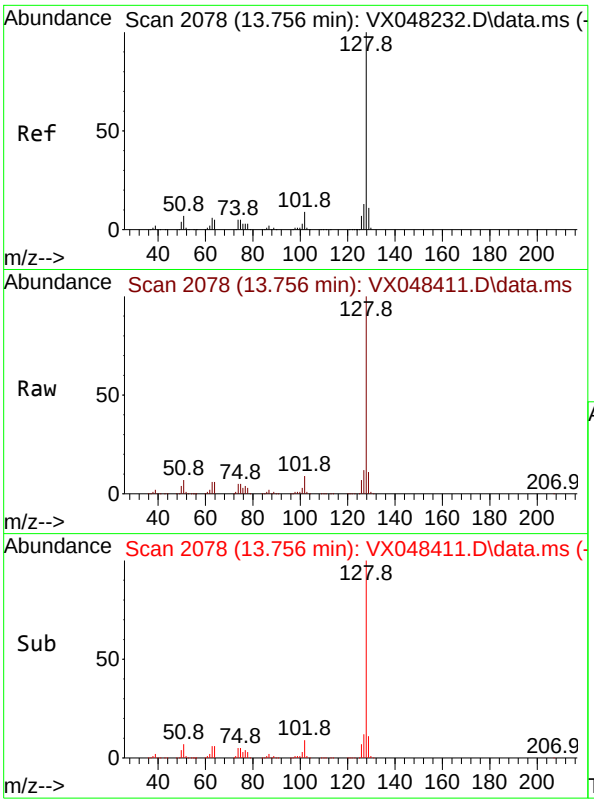


#94
Hexachlorobutadiene
Concen: 92.112 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:225 Resp: 89940

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.6	97.7
227	64.3	32.5	97.4

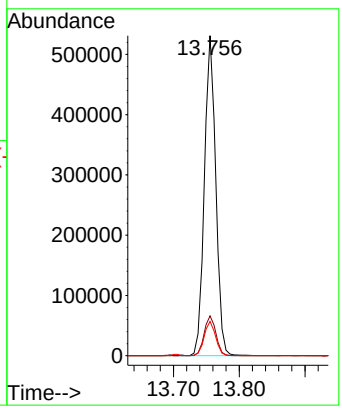




#95
Naphthalene
Concen: 108.748 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:128 Resp: 63932

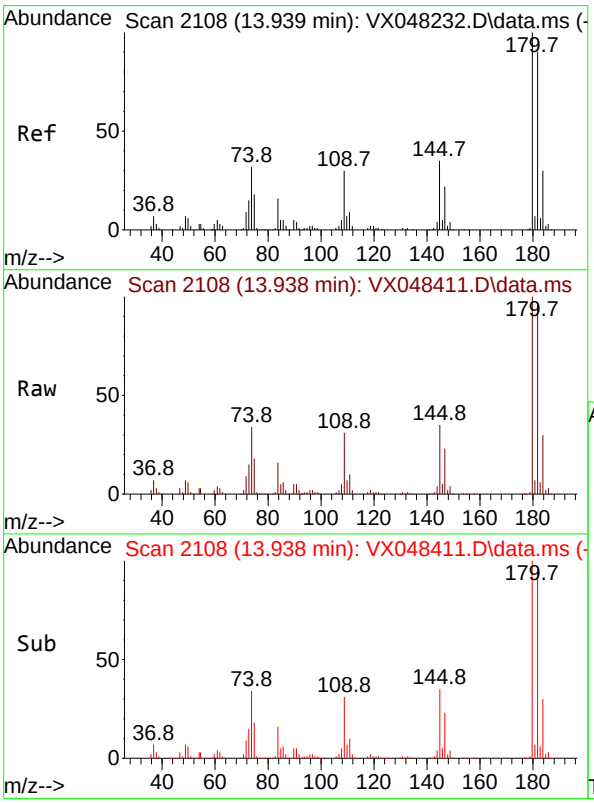
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

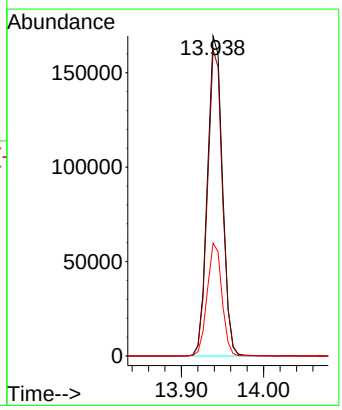
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 101.587 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048411.D
Acq: 29 Oct 2025 12:43

Tgt Ion:180 Resp: 214795

Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.6	139.7
145	34.6	16.9	50.7



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048412.D
Acq On : 29 Oct 2025 13:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 02:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	133860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	221426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	196412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	93582	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	296654	154.097	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117			Recovery = 308.200%#		
35) Dibromofluoromethane	5.373	113	203803	161.437	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124			Recovery = 322.880%#		
50) Toluene-d8	8.635	98	889352	159.591	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112			Recovery = 319.180%#		
62) 4-Bromofluorobenzene	11.061	95	322251	154.584	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123			Recovery = 309.160%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	226734	166.052	ug/l	95
3) Chloromethane	1.300	50	111106	144.222	ug/l	100
4) Vinyl Chloride	1.380	62	288493	162.114	ug/l	100
5) Bromomethane	1.605	94	84416	131.315	ug/l	99
6) Chloroethane	1.691	64	161444	152.548	ug/l	97
7) Trichlorofluoromethane	1.892	101	441827	162.017	ug/l	100
8) Diethyl Ether	2.136	74	153088	155.324	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	251534	163.980	ug/l	97
10) Methyl Iodide	2.459	142	1010524	163.830	ug/l	98
11) Tert butyl alcohol	2.947	59	118407	802.812	ug/l	100
12) 1,1-Dichloroethene	2.325	96	252174	161.849	ug/l	92
13) Acrolein	2.233	56	237424	771.206	ug/l	100
14) Allyl chloride	2.666	41	401170	152.042	ug/l	97
15) Acrylonitrile	3.056	53	523106	779.630	ug/l	100
16) Acetone	2.373	43	351359	805.286	ug/l	99
17) Carbon Disulfide	2.514	76	633259	141.750	ug/l	99
18) Methyl Acetate	2.697	43	251146	172.102	ug/l	96
19) Methyl tert-butyl Ether	3.105	73	766372	153.599	ug/l	99
20) Methylene Chloride	2.788	84	252059	149.866	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	258099	155.957	ug/l	98
22) Diisopropyl ether	3.751	45	832265	154.103	ug/l	87
23) Vinyl Acetate	3.715	43	2484119	675.692	ug/l	98
24) 1,1-Dichloroethane	3.605	63	472207	154.064	ug/l	100
25) 2-Butanone	4.544	43	552156	792.168	ug/l	99
26) 2,2-Dichloropropane	4.471	77	415494	157.443	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	305748	154.799	ug/l	98
28) Bromochloromethane	4.885	49	219437	157.975	ug/l	93
29) Tetrahydrofuran	4.989	42	381074	767.699	ug/l	96
30) Chloroform	5.080	83	473786	150.268	ug/l	98
31) Cyclohexane	5.458	56	426944	160.475	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	435417	156.431	ug/l	99
36) 1,1-Dichloropropene	5.684	75	339315	160.053	ug/l	99
37) Ethyl Acetate	4.696	43	285505	158.070	ug/l	99
38) Carbon Tetrachloride	5.666	117	379794	155.159	ug/l	98
39) Methylcyclohexane	7.366	83	462064	169.485	ug/l	96
40) Benzene	6.025	78	1012290	156.299	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048412.D
Acq On : 29 Oct 2025 13:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	143222	157.424	ug/l		95
42) 1,2-Dichloroethane	6.074	62	342371	150.080	ug/l		98
43) Isopropyl Acetate	6.324	43	474716	159.192	ug/l		96
44) Trichloroethene	7.110	130	269776	158.985	ug/l		97
45) 1,2-Dichloropropane	7.415	63	250400	154.807	ug/l		98
46) Dibromomethane	7.568	93	174988	154.540	ug/l		95
47) Bromodichloromethane	7.805	83	365541	151.939	ug/l		97
48) Methyl methacrylate	7.677	41	241987	166.402	ug/l		95
49) 1,4-Dioxane	7.647	88	56913	3443.207	ug/l		90
51) 4-Methyl-2-Pentanone	8.561	43	1289048	776.723	ug/l		96
52) Toluene	8.702	92	634130	156.693	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	327554	150.209	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	335804	142.929	ug/l		94
55) 1,1,2-Trichloroethane	9.134	97	222130	151.673	ug/l		99
56) Ethyl methacrylate	9.104	69	353810	164.986	ug/l		95
57) 1,3-Dichloropropane	9.293	76	382063	150.457	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	1003535	765.777	ug/l		98
59) 2-Hexanone	9.415	43	873591	808.982	ug/l		97
60) Dibromochloromethane	9.506	129	277503	153.207	ug/l		99
61) 1,2-Dibromoethane	9.592	107	230295	152.001	ug/l		97
64) Tetrachloroethene	9.256	164	241539	152.704	ug/l		96
65) Chlorobenzene	10.061	112	694655	153.517	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	245997	159.824	ug/l		99
67) Ethyl Benzene	10.177	91	1219491	160.063	ug/l		98
68) m/p-Xylenes	10.287	106	915429	317.337	ug/l		97
69) o-Xylene	10.628	106	441800	160.266	ug/l		95
70) Styrene	10.640	104	750150	160.637	ug/l		99
71) Bromoform	10.780	173	178023	159.885	ug/l	#	99
73) Isopropylbenzene	10.945	105	1146983	165.706	ug/l		99
74) N-amyl acetate	10.829	43	420212	170.178	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.195	83	277481	158.267	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	218653m	149.808	ug/l		
77) Bromobenzene	11.183	156	276189	161.530	ug/l		100
78) n-propylbenzene	11.287	91	1358131	166.012	ug/l		98
79) 2-Chlorotoluene	11.347	91	793064	161.461	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	945889	166.707	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	64047	164.688	ug/l	#	81
82) 4-Chlorotoluene	11.439	91	926294	160.417	ug/l		97
83) tert-Butylbenzene	11.695	119	971214	168.135	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	941993	167.674	ug/l		99
85) sec-Butylbenzene	11.872	105	1200340	166.771	ug/l		99
86) p-Isopropyltoluene	11.994	119	1026794	168.747	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	507315	155.362	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	513410	154.371	ug/l		99
89) n-Butylbenzene	12.317	91	967683	169.383	ug/l		99
90) Hexachloroethane	12.518	117	187919	175.757	ug/l		96
91) 1,2-Dichlorobenzene	12.317	146	480520	158.798	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	58903	171.570	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	346016	165.713	ug/l		99
94) Hexachlorobutadiene	13.707	225	144920	165.459	ug/l		98
95) Naphthalene	13.756	128	916442	173.781	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	320819	169.151	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048412.D
Acq On : 29 Oct 2025 13:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

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

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

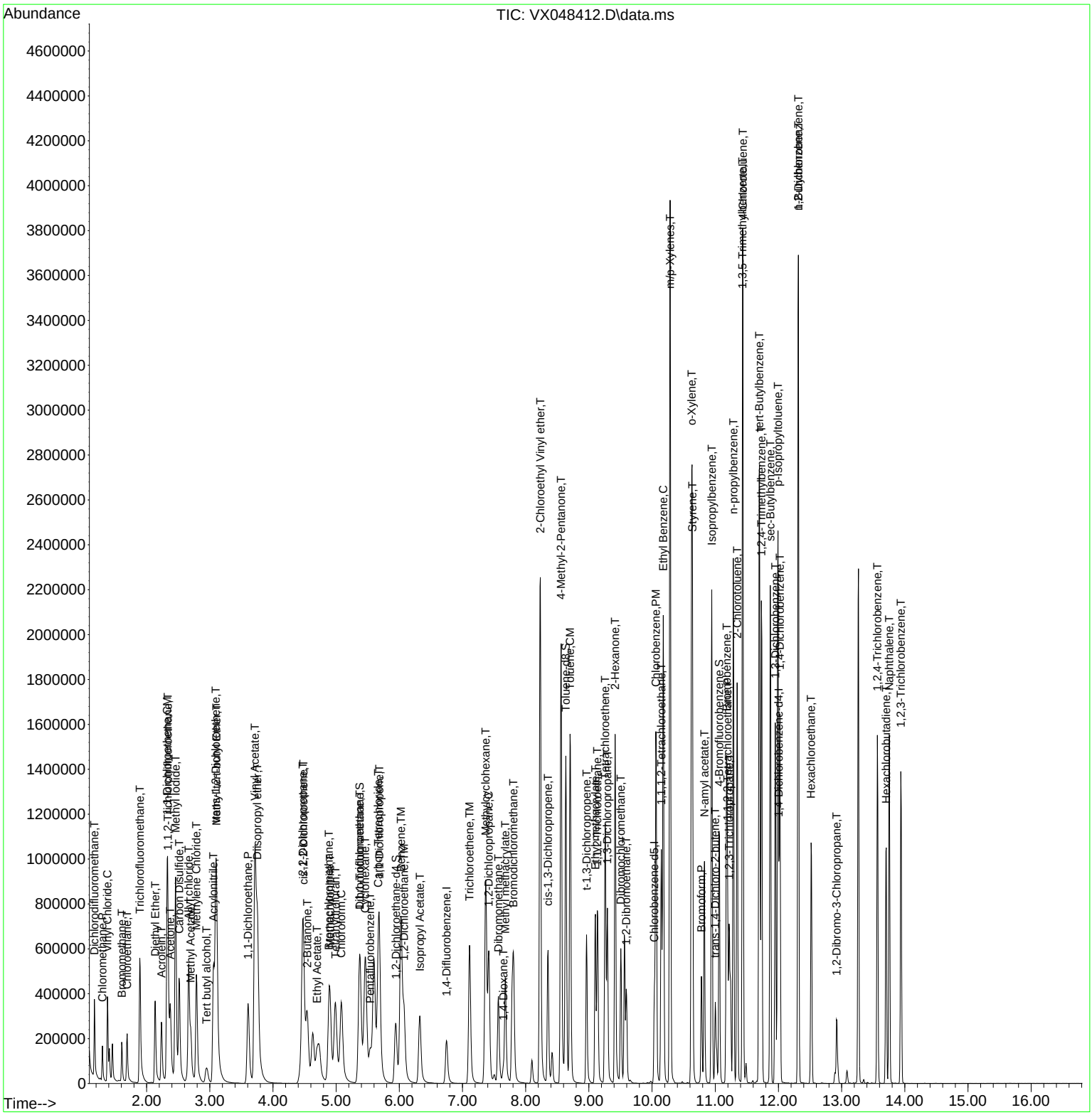
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Data File : VX048412.D
Acq On : 29 Oct 2025 13:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

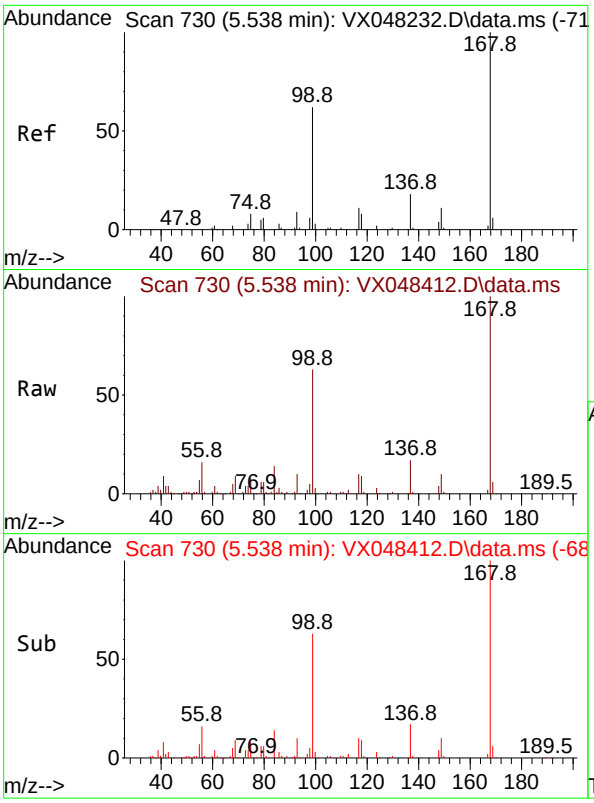
Quant Time: Oct 30 02:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:16:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

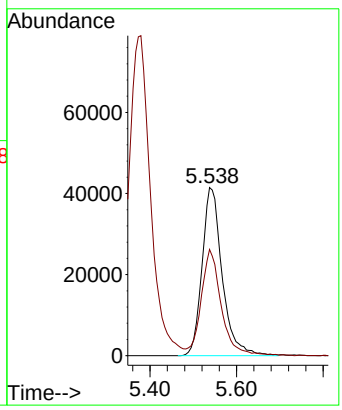




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:168 Resp: 13386

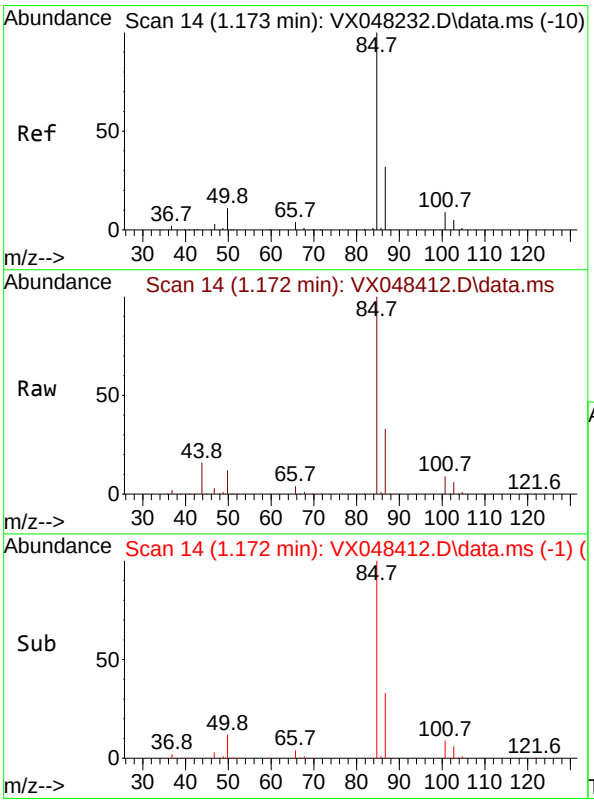
Ion	Ratio	Lower	Upper
168	100		
99	62.8	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

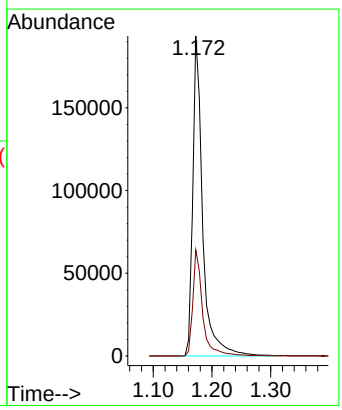
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

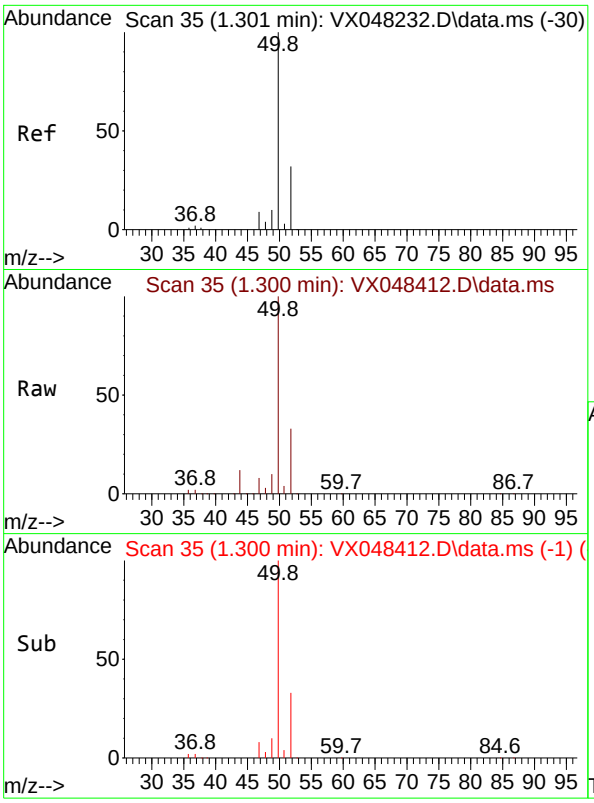


#2
Dichlorodifluoromethane
Concen: 166.052 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 85 Resp: 226734

Ion	Ratio	Lower	Upper
85	100		
87	33.1	15.3	45.9

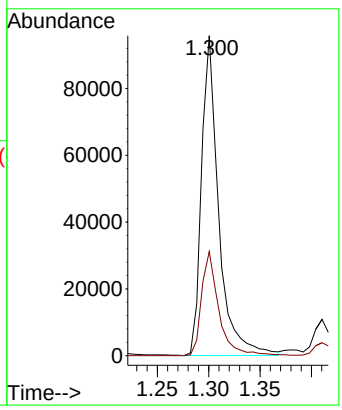




#3
Chloromethane
Concen: 144.222 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 50 Resp: 11110

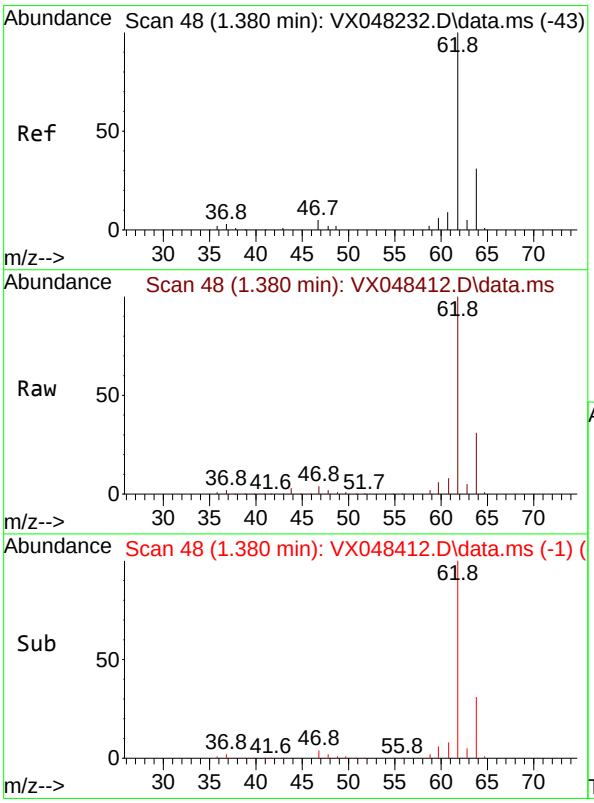
Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

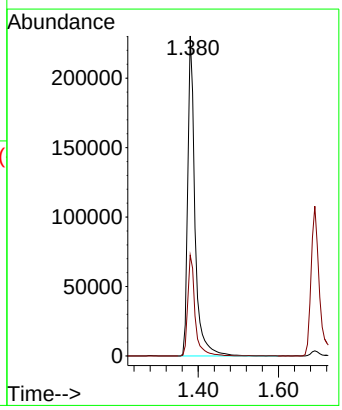
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

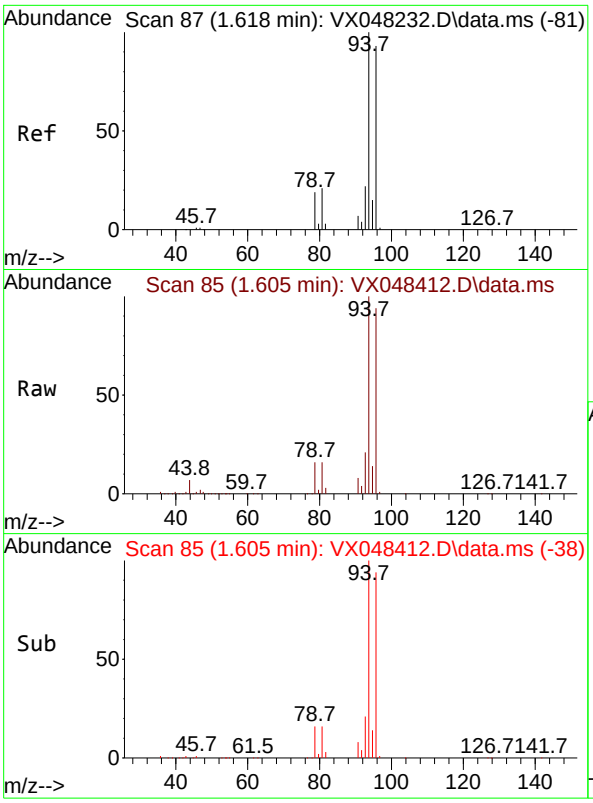


#4
Vinyl Chloride
Concen: 162.114 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 62 Resp: 288493

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.1	37.7

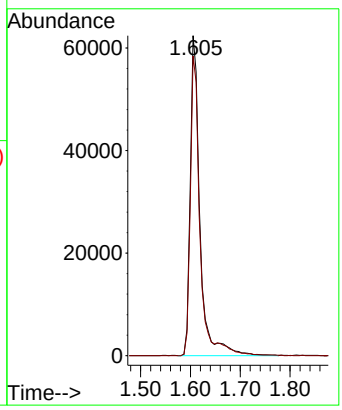




#5
Bromomethane
Concen: 131.315 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 94 Resp: 8441

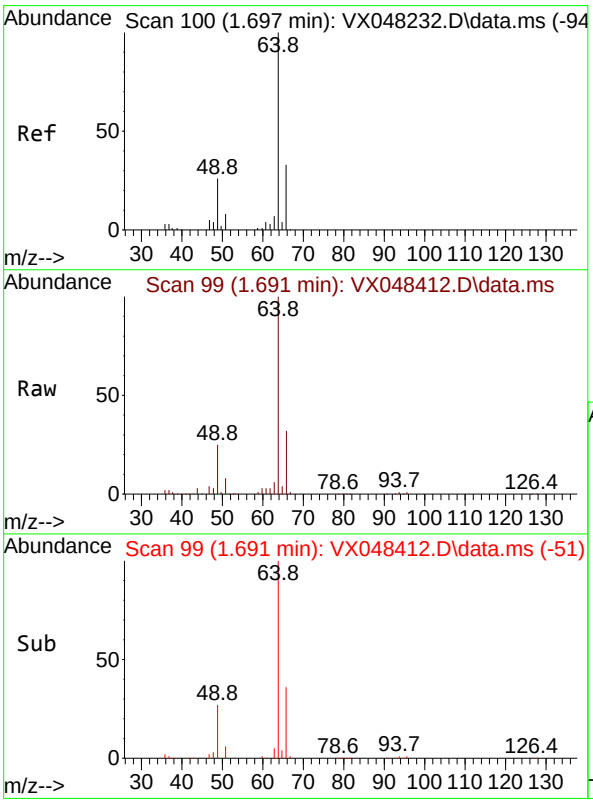
Ion	Ratio	Lower	Upper
94	100		
96	93.7	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

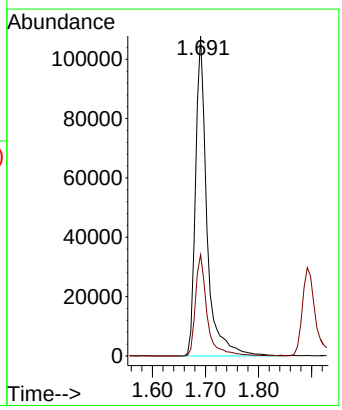
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

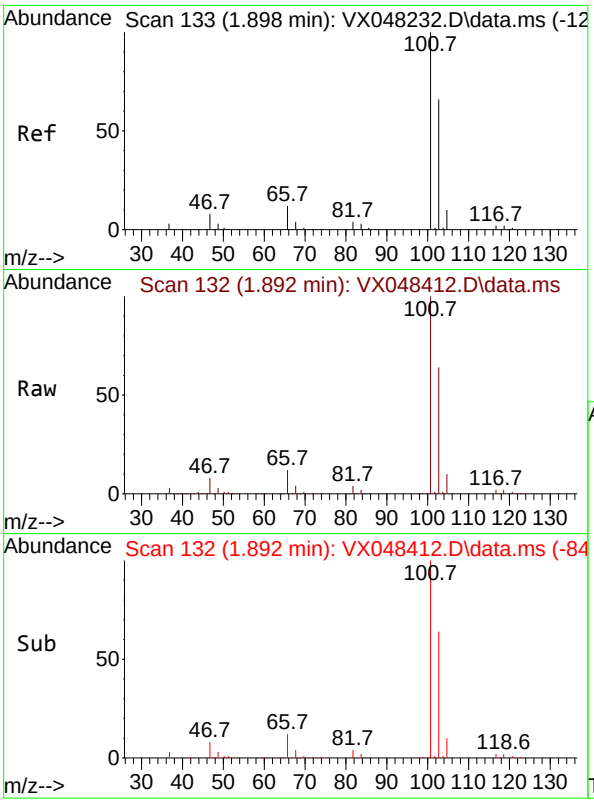


#6
Chloroethane
Concen: 152.548 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 64 Resp: 161444

Ion	Ratio	Lower	Upper
64	100		
66	31.6	23.9	35.9

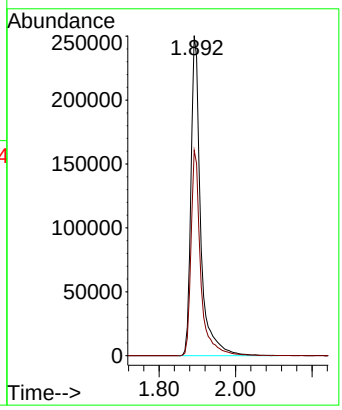




#7
Trichlorofluoromethane
Concen: 162.017 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:101 Resp: 44182

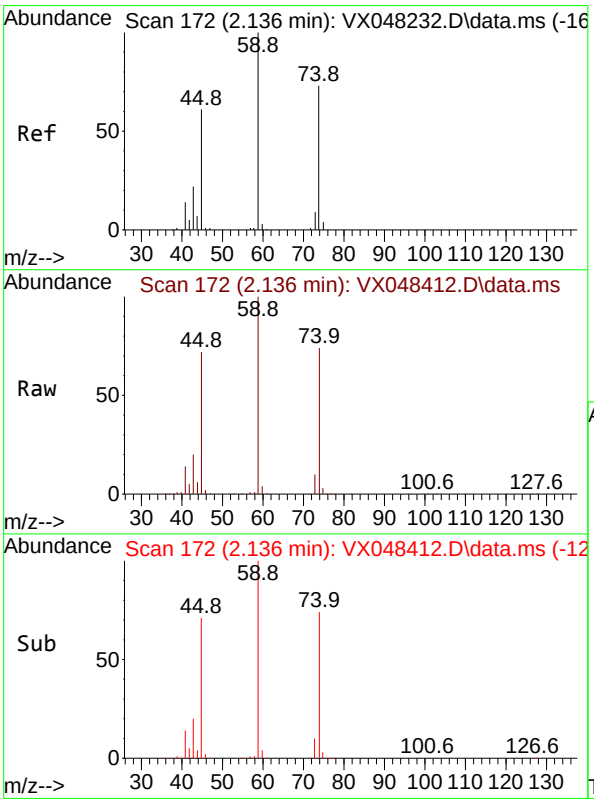
Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

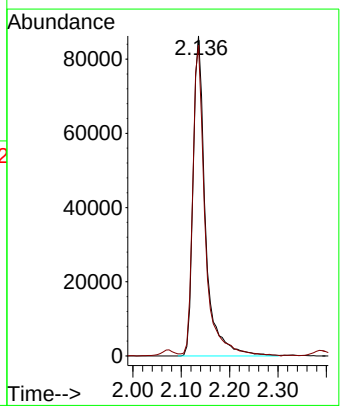
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

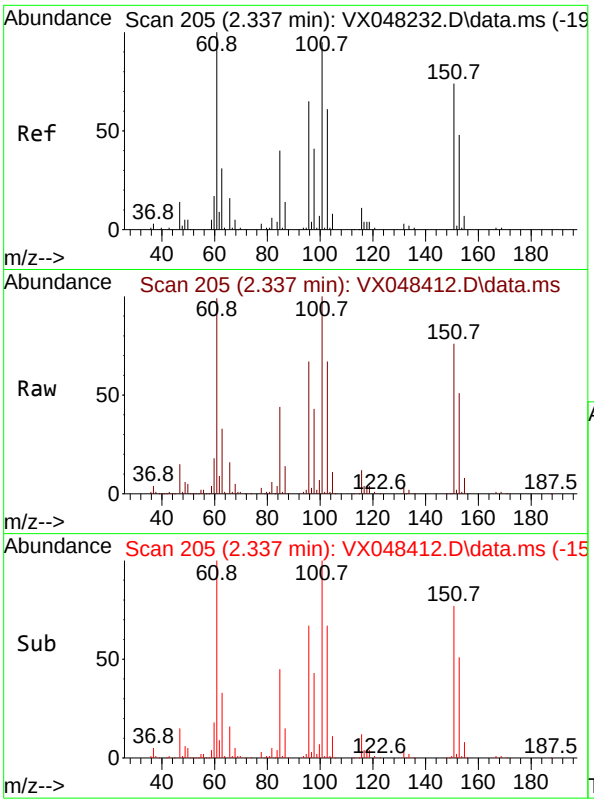


#8
Diethyl Ether
Concen: 155.324 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 74 Resp: 153088

Ion	Ratio	Lower	Upper
74	100		
45	97.3	50.0	149.8

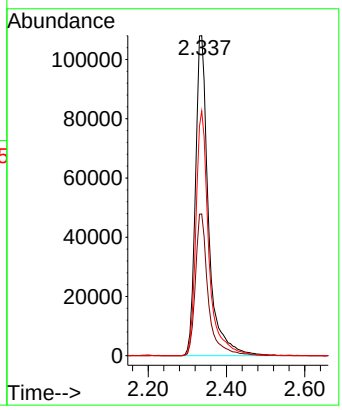




#9
1,1,2-Trichlorotrifluoroethane
Concen: 163.980 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:101 Resp: 25153

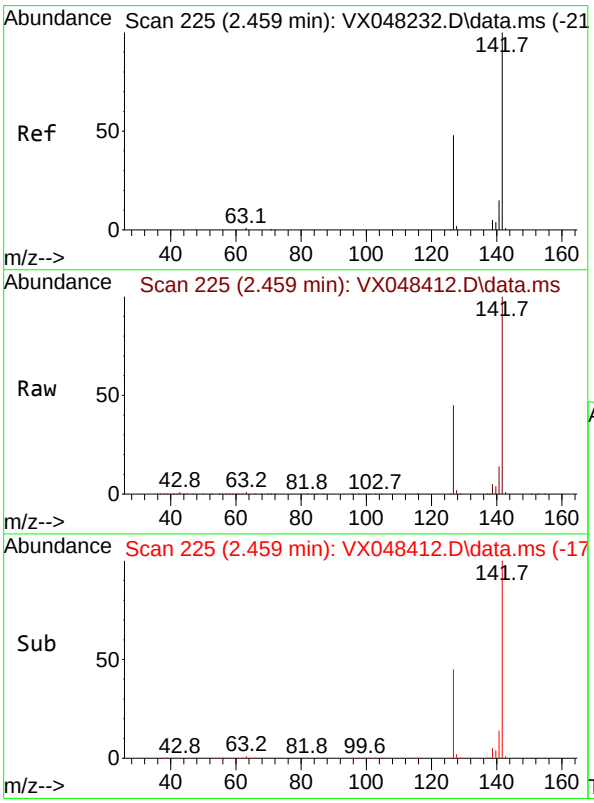
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.6	53.4
151	75.4	58.0	87.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

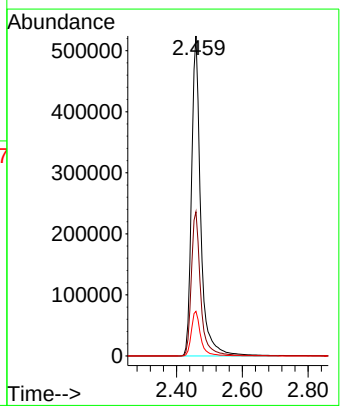
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

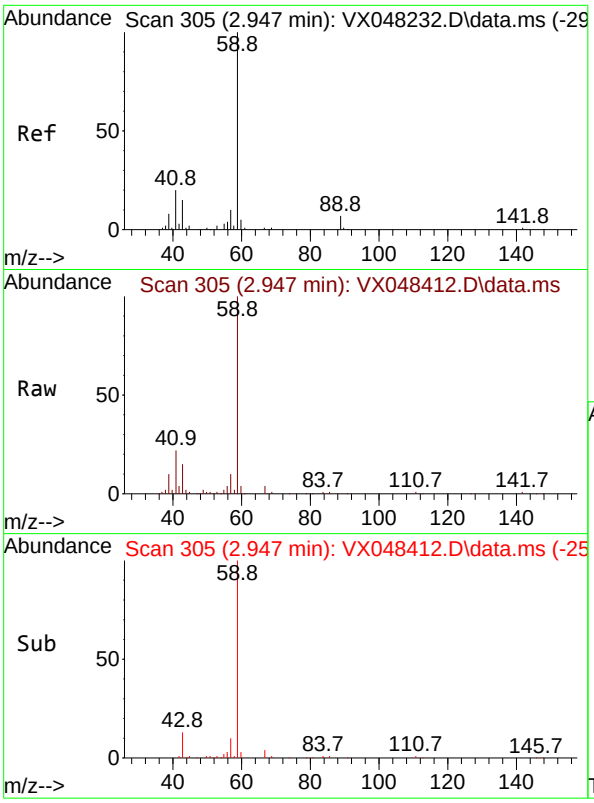


#10
Methyl Iodide
Concen: 163.830 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:142 Resp: 1010524

Ion	Ratio	Lower	Upper
142	100		
127	46.3	38.5	57.7
141	14.3	11.6	17.4

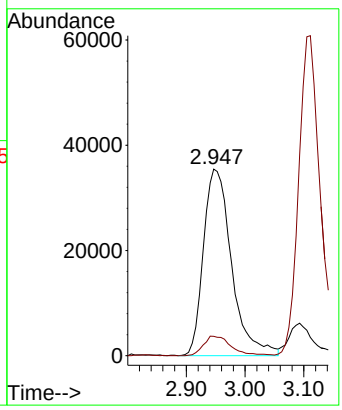




#11
Tert butyl alcohol
Concen: 802.812 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 59 Resp: 11840

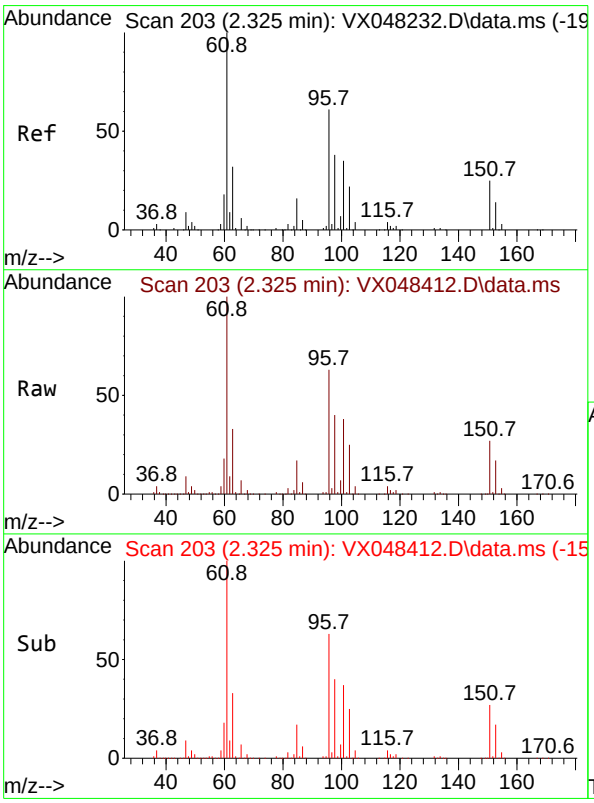
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

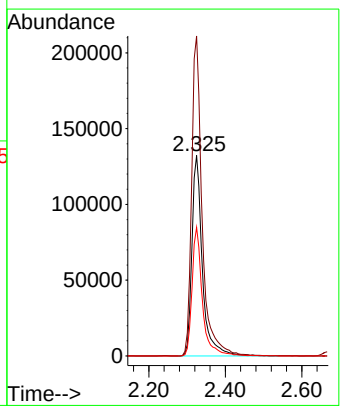
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

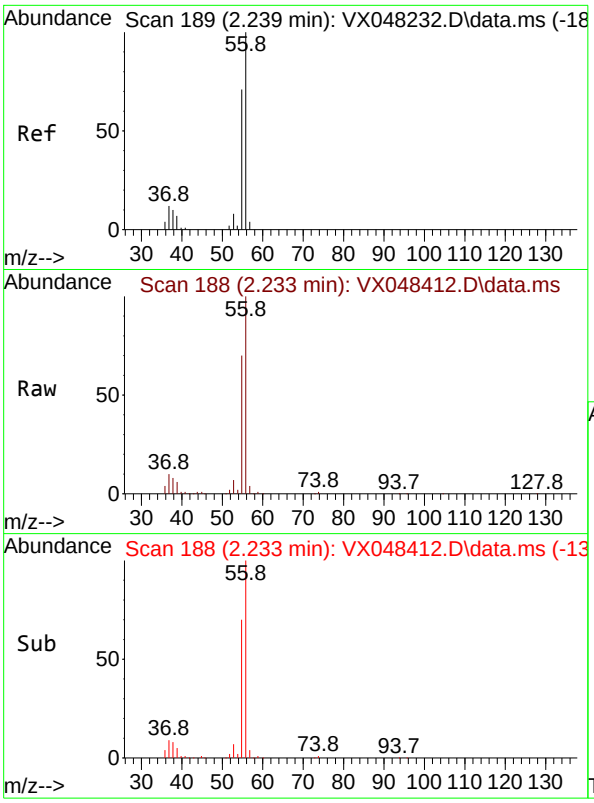


#12
1,1-Dichloroethene
Concen: 161.849 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 96 Resp: 252174

Ion	Ratio	Lower	Upper
96	100		
61	159.6	139.0	208.6
98	64.2	52.4	78.6

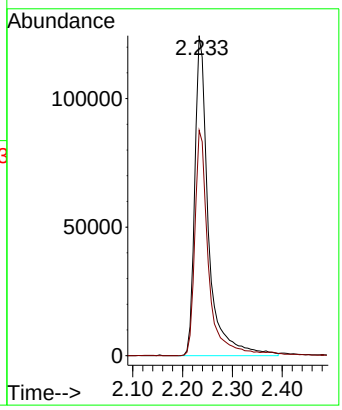




#13
Acrolein
Concen: 771.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 56 Resp: 23742

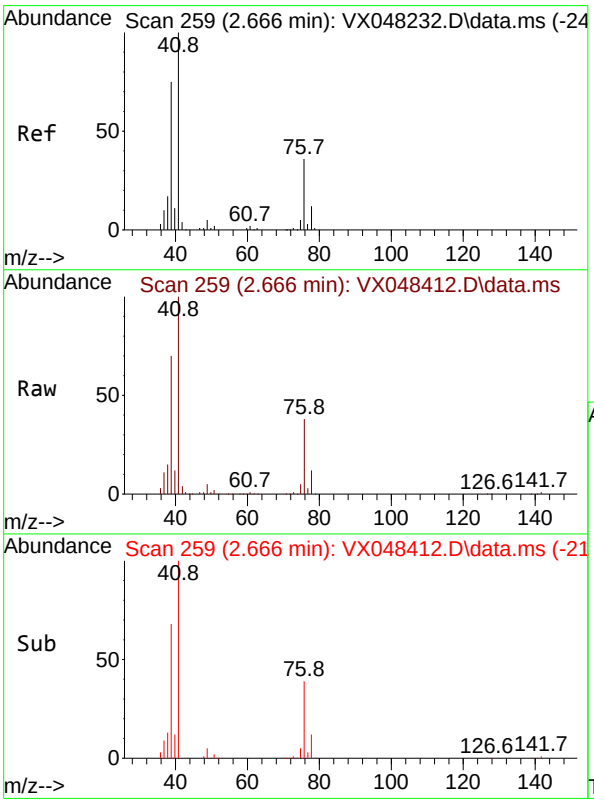
Ion	Ratio	Lower	Upper
56	100		
55	69.9	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

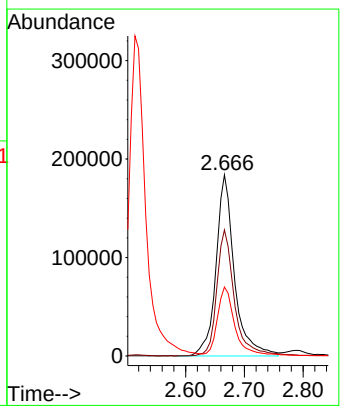
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

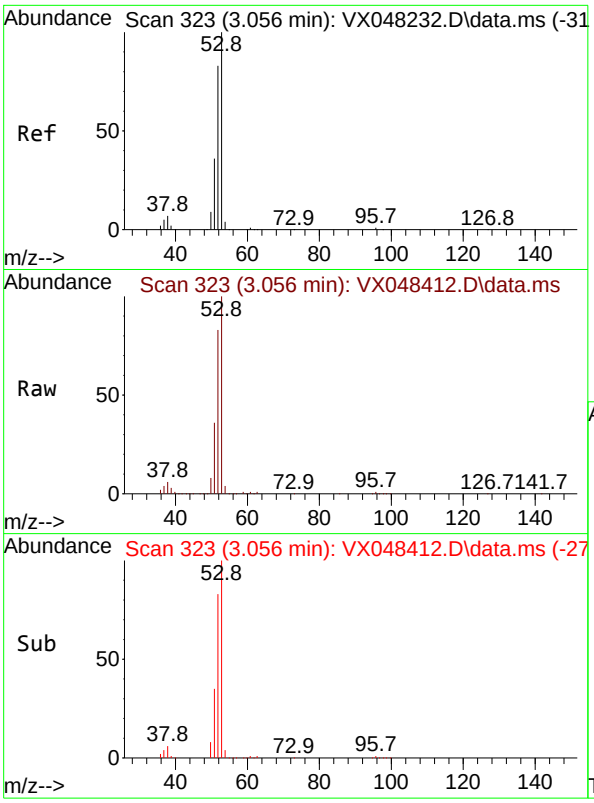


#14
Allyl chloride
Concen: 152.042 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 41 Resp: 401170

Ion	Ratio	Lower	Upper
41	100		
39	67.2	56.0	84.0
76	36.2	27.5	41.3

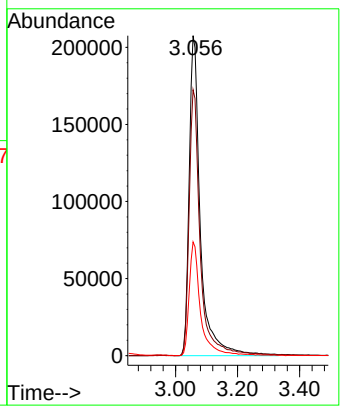




#15
Acrylonitrile
Concen: 779.630 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 53 Resp: 52310

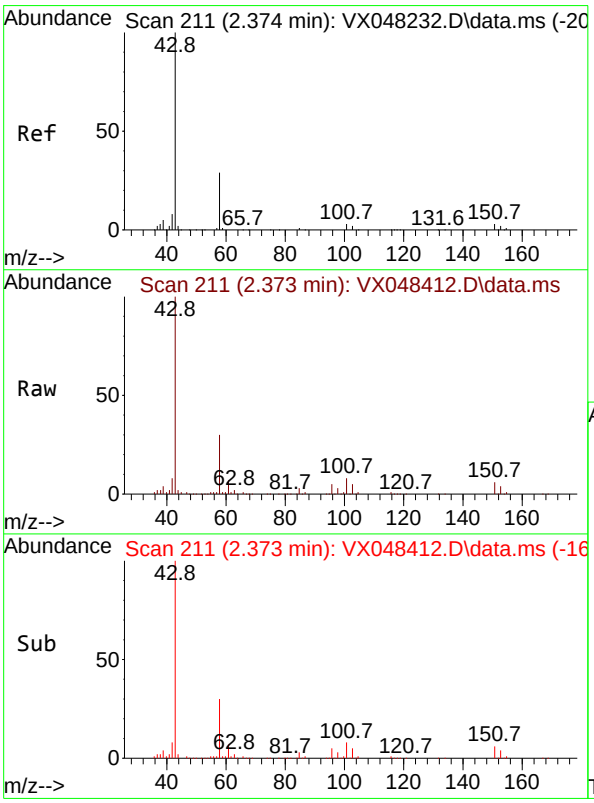
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.1	99.1
51	36.3	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

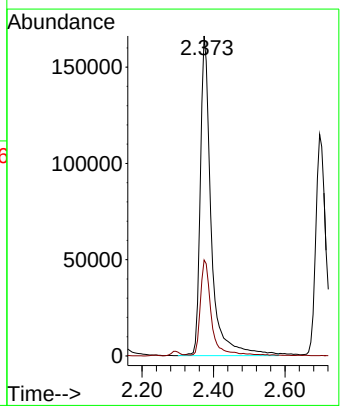
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

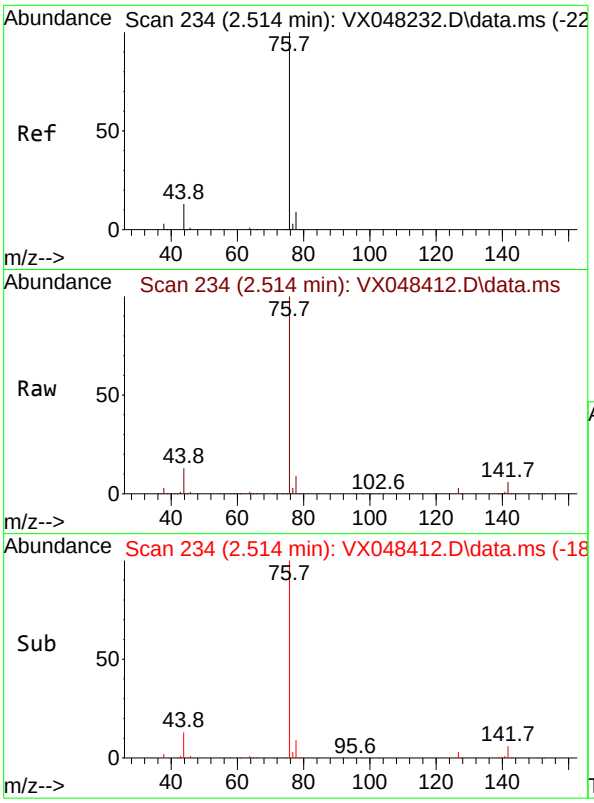


#16
Acetone
Concen: 805.286 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 43 Resp: 351359

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.4	35.2

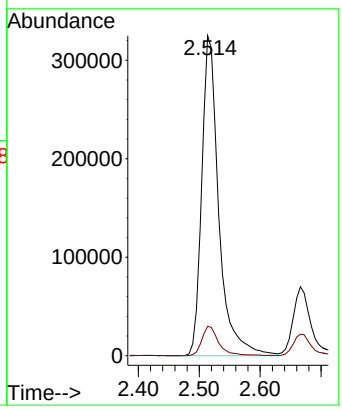




#17
Carbon Disulfide
Concen: 141.750 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 76 Resp: 63325

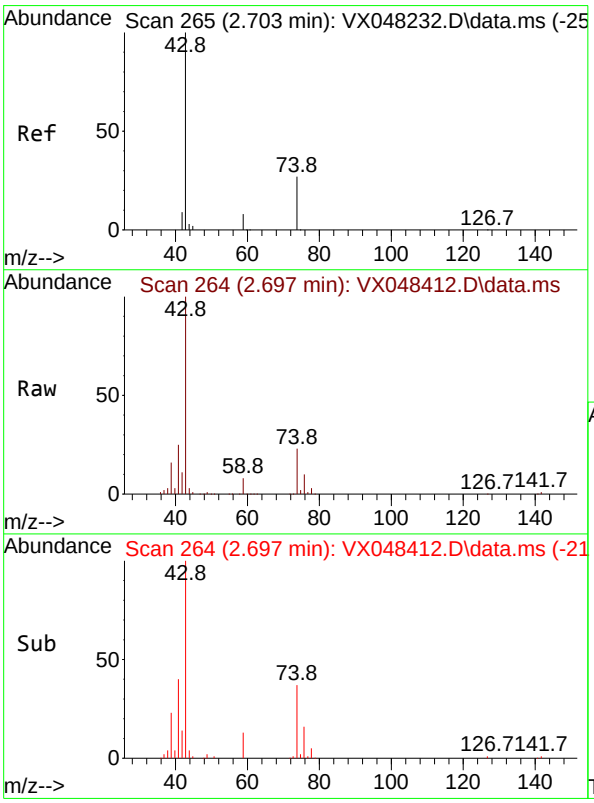
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

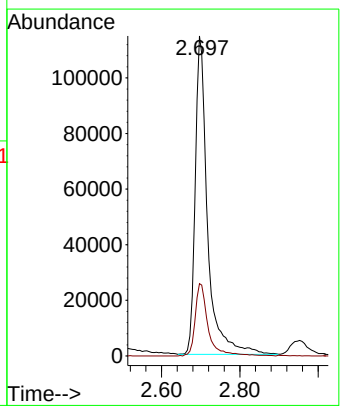
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

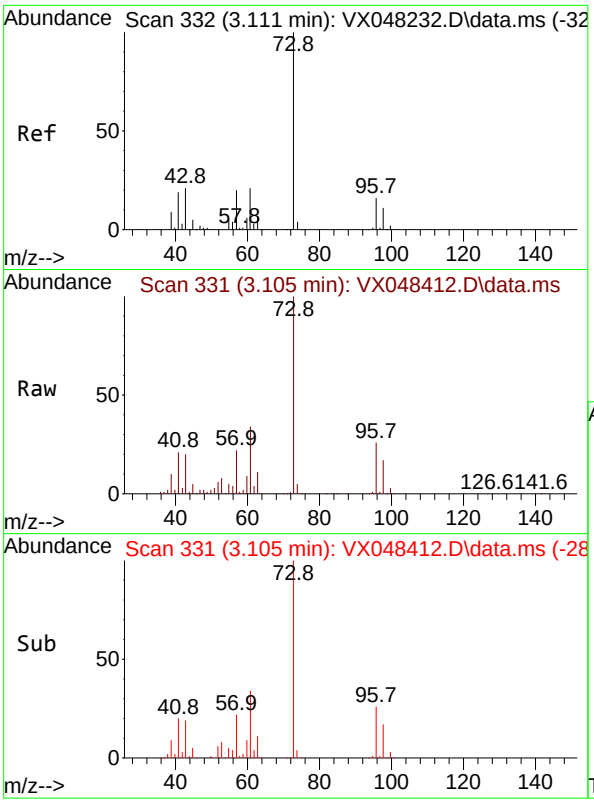


#18
Methyl Acetate
Concen: 172.102 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 43 Resp: 251146

Ion	Ratio	Lower	Upper
43	100		
74	23.8	17.5	26.3

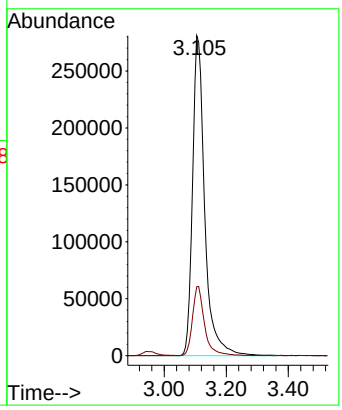




#19
Methyl tert-butyl Ether
Concen: 153.599 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 73 Resp: 76637

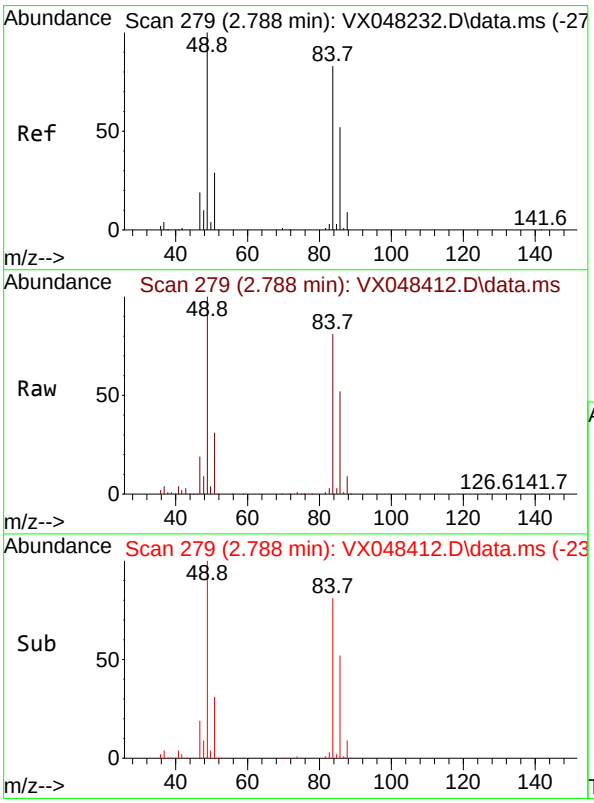
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

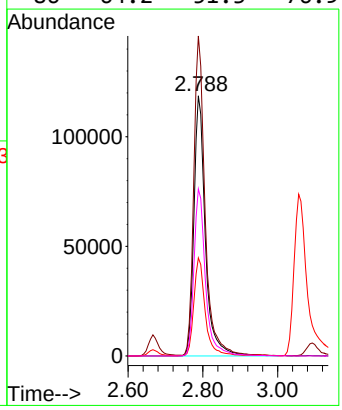
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

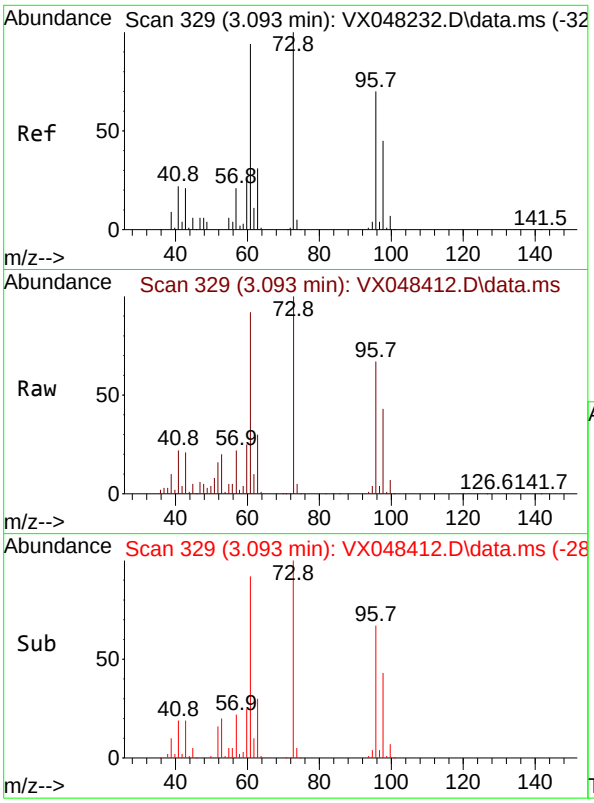


#20
Methylene Chloride
Concen: 149.866 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 84 Resp: 252059

Ion	Ratio	Lower	Upper
84	100		
49	122.9	104.1	156.1
51	37.7	31.3	46.9
86	64.2	51.3	76.9

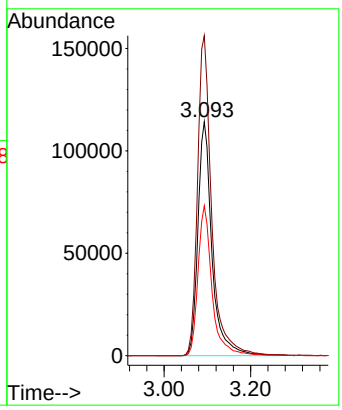




#21
trans-1,2-Dichloroethene
Concen: 155.957 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 96 Resp: 25809

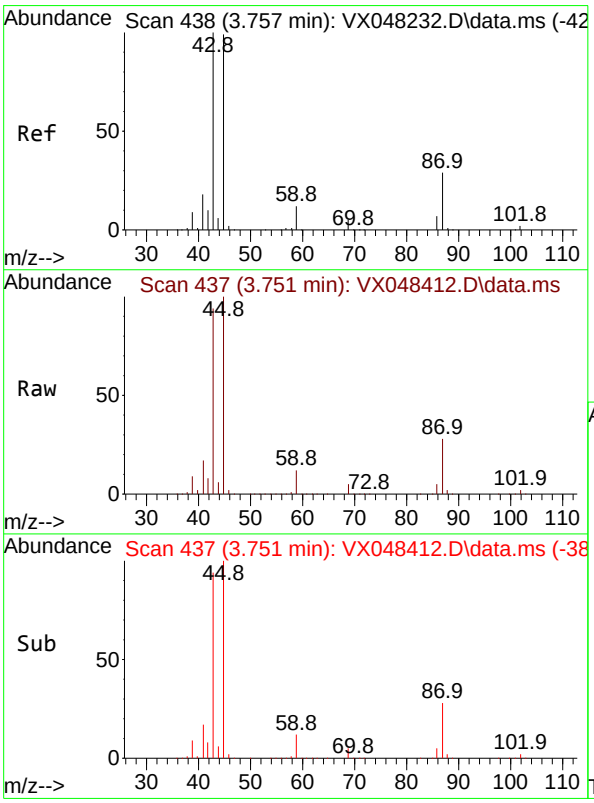
Ion	Ratio	Lower	Upper
96	100		
61	136.8	111.9	167.9
98	64.1	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

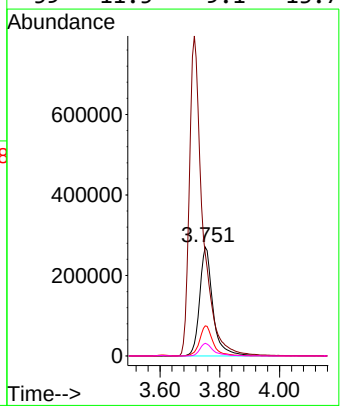
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

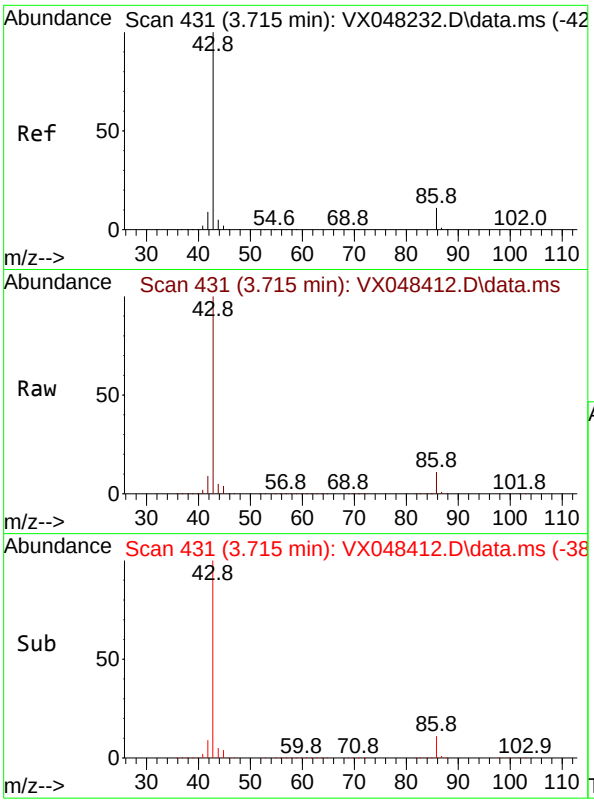


#22
Diisopropyl ether
Concen: 154.103 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 45 Resp: 832265

Ion	Ratio	Lower	Upper
45	100		
43	94.1	89.8	134.8
87	27.6	20.6	31.0
59	11.5	9.1	13.7





#23
Vinyl Acetate
Concen: 675.692 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

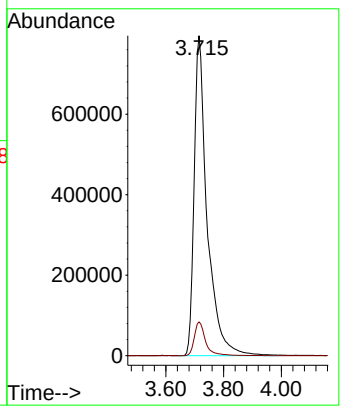
Tgt Ion: 43 Resp: 248411

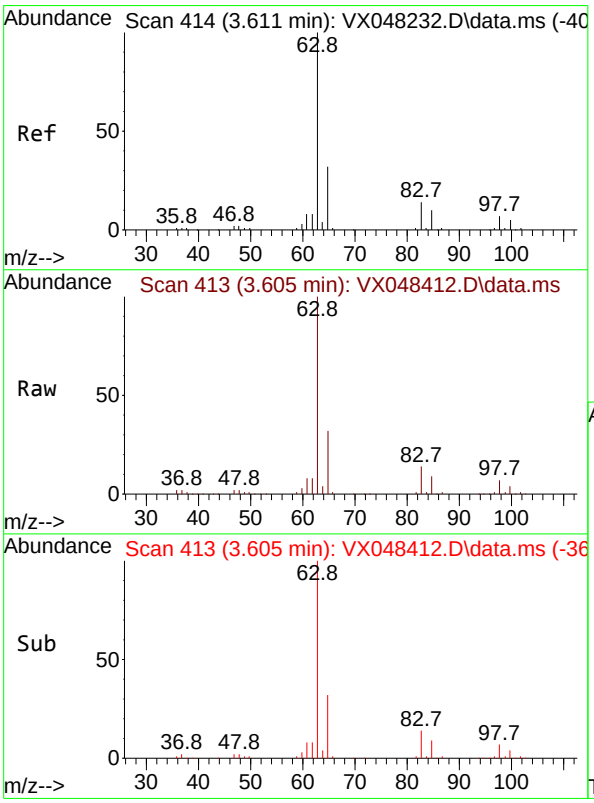
Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

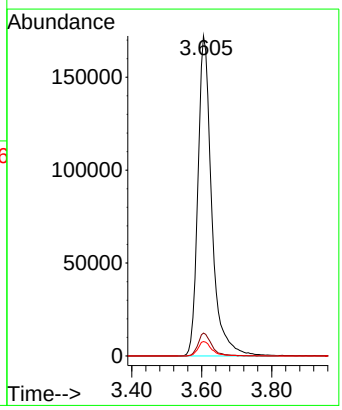


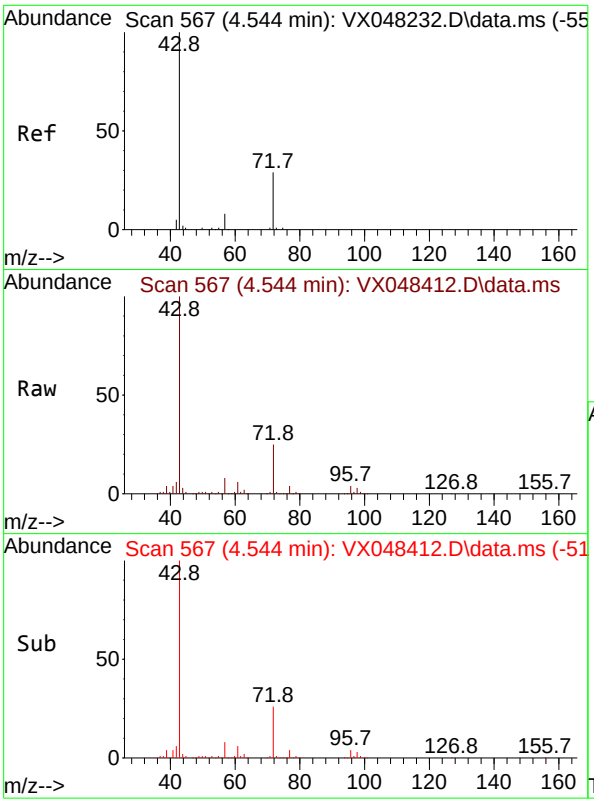


#24
1,1-Dichloroethane
Concen: 154.064 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 63 Resp: 472207

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	4.5	2.1	6.3

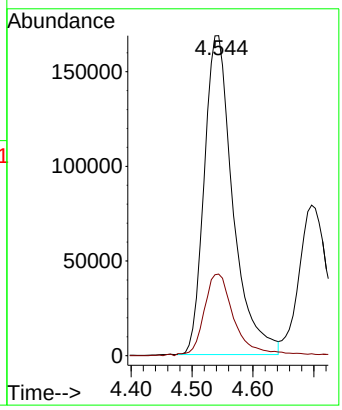




#25
2-Butanone
Concen: 792.168 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 43 Resp: 55215

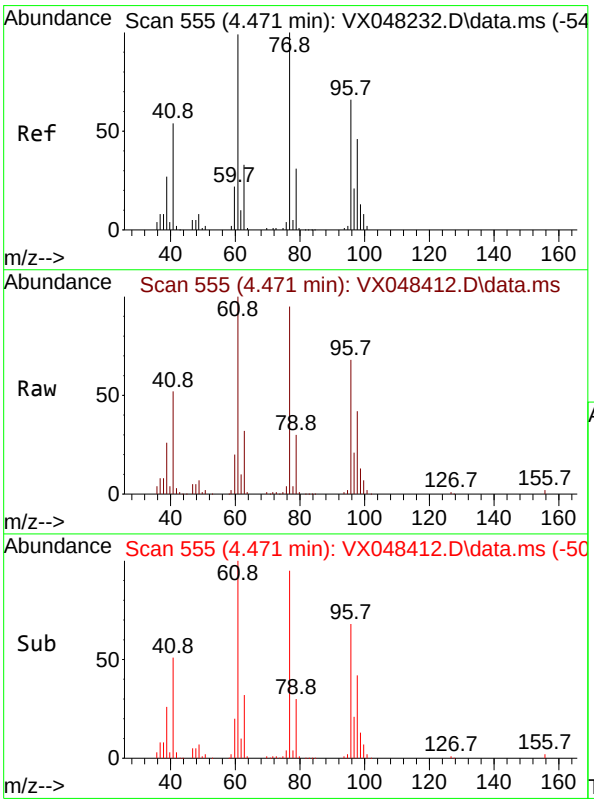
Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.9	29.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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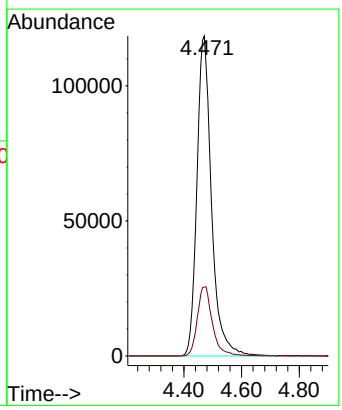
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

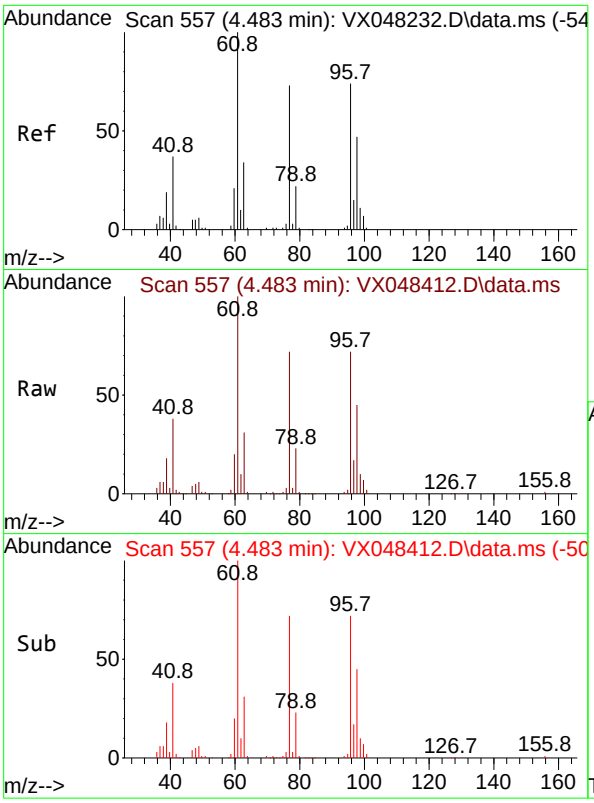


#26
2,2-Dichloropropane
Concen: 157.443 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 77 Resp: 415494

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.1	33.3





#27
cis-1,2-Dichloroethene
Concen: 154.799 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

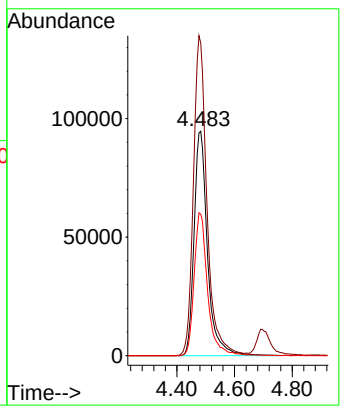
Tgt Ion: 96 Resp: 30574

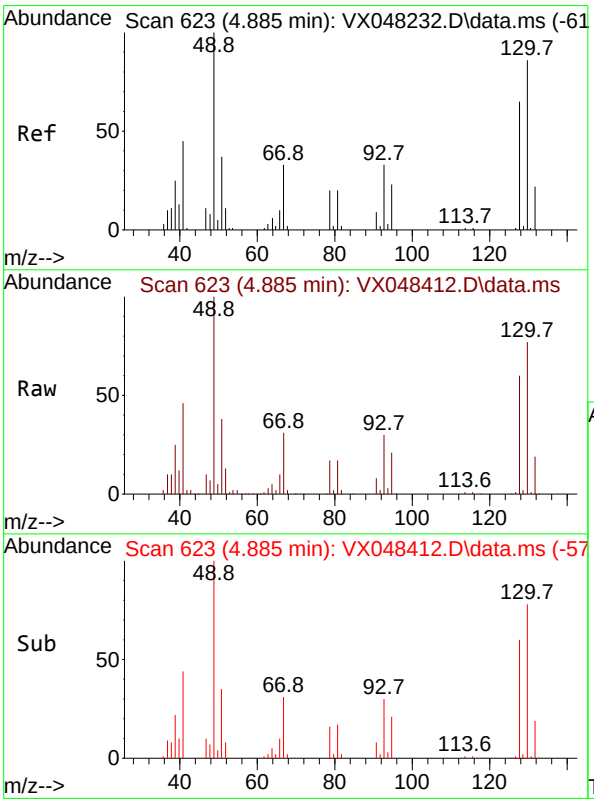
Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	294.2
98	63.9	0.0	128.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

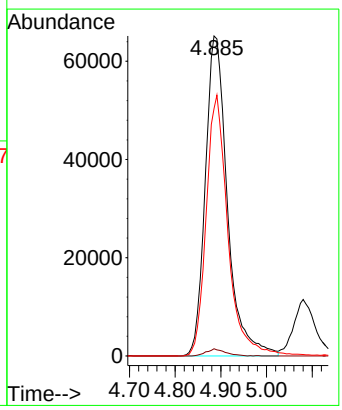


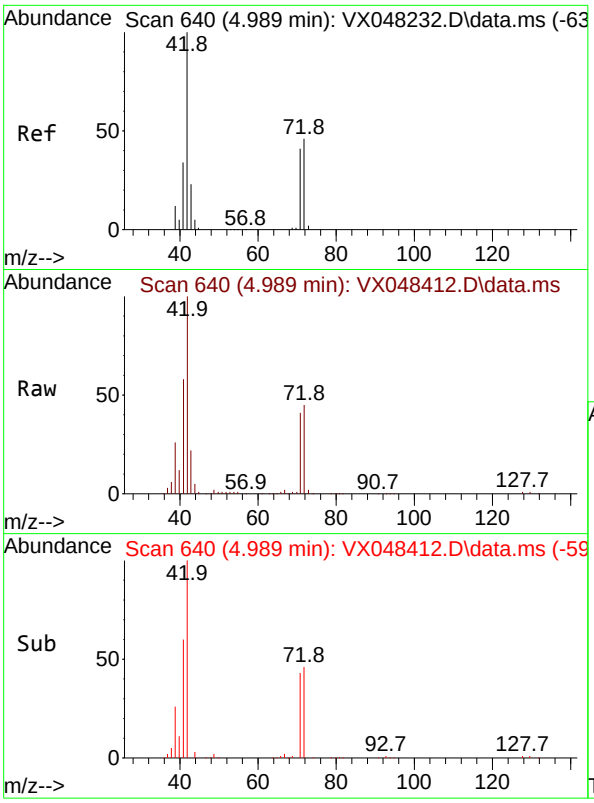


#28
Bromochloromethane
Concen: 157.975 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 49 Resp: 219437

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	80.2	59.3	88.9





#29
Tetrahydrofuran
Concen: 767.699 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

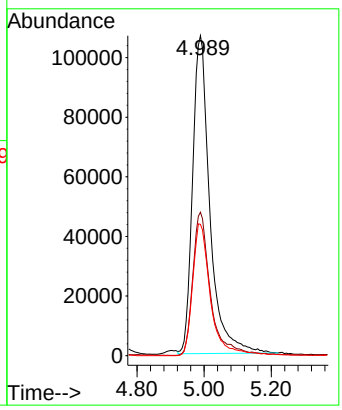
Tgt Ion: 42 Resp: 38107

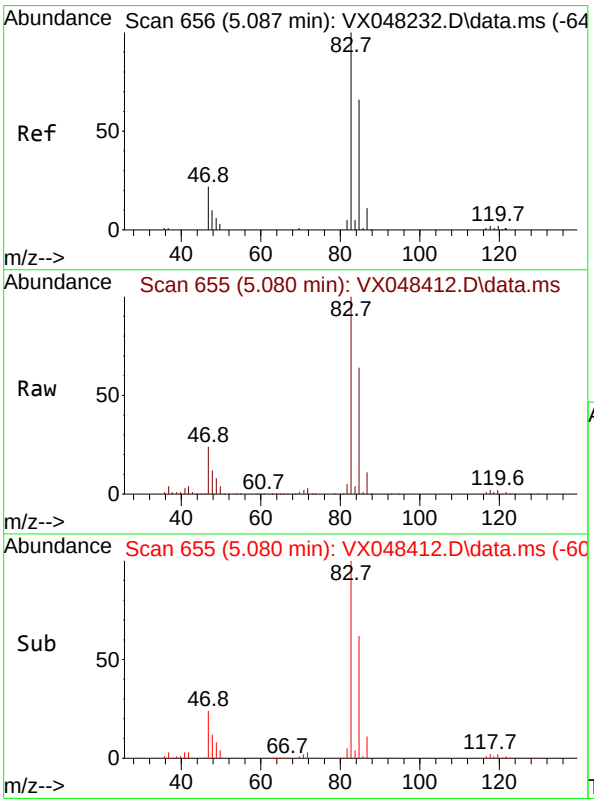
Ion	Ratio	Lower	Upper
42	100		
72	46.5	35.3	52.9
71	42.9	32.2	48.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

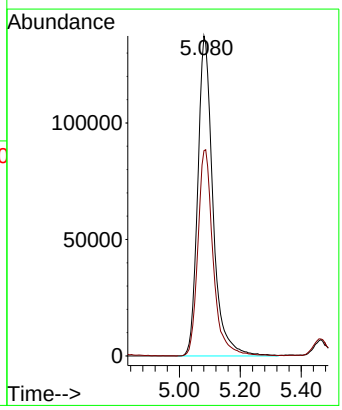


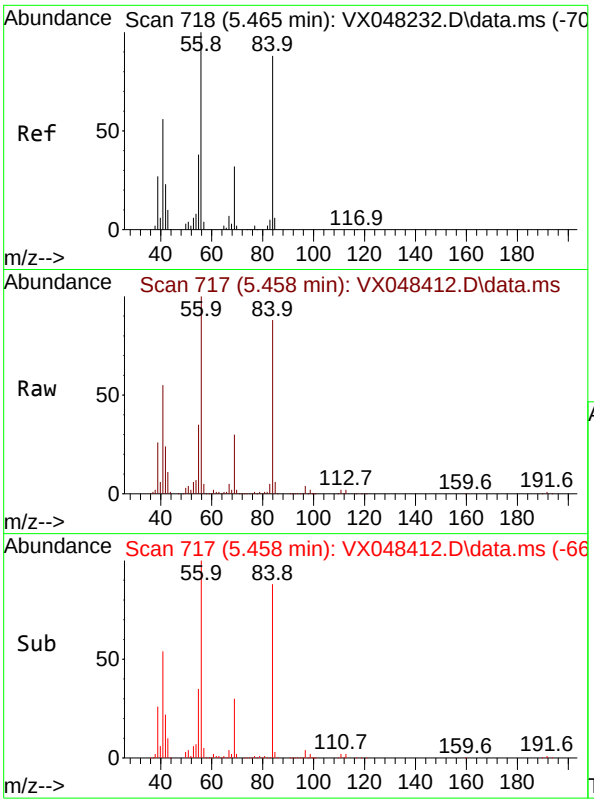


#30
Chloroform
Concen: 150.268 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 83 Resp: 473786

Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.1	75.1

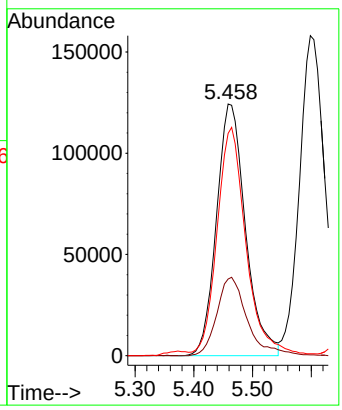




#31
Cyclohexane
Concen: 160.475 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 56 Resp: 42694

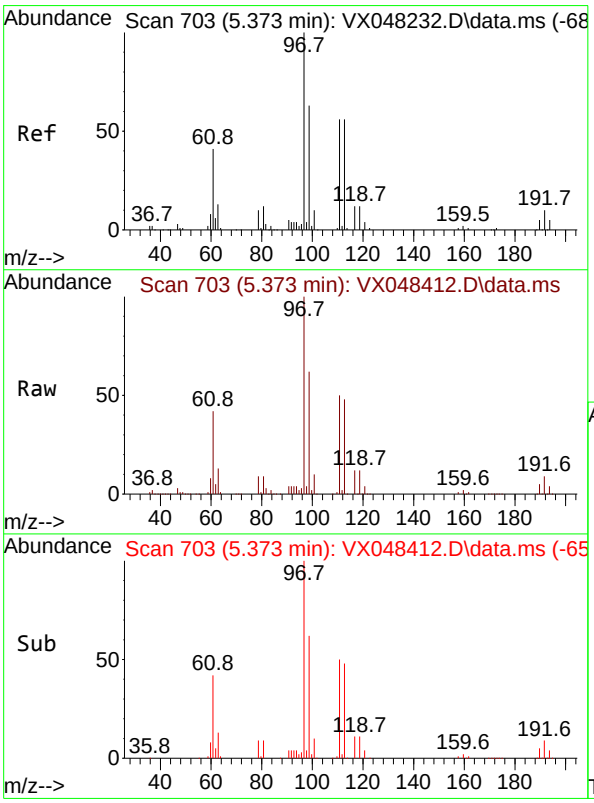
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.0	34.6
84	86.5	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

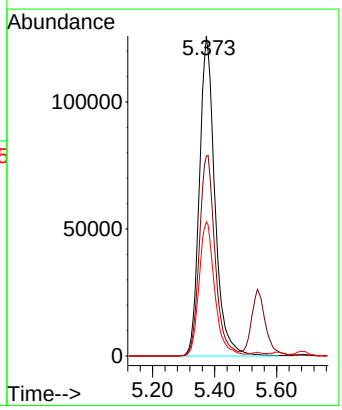
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

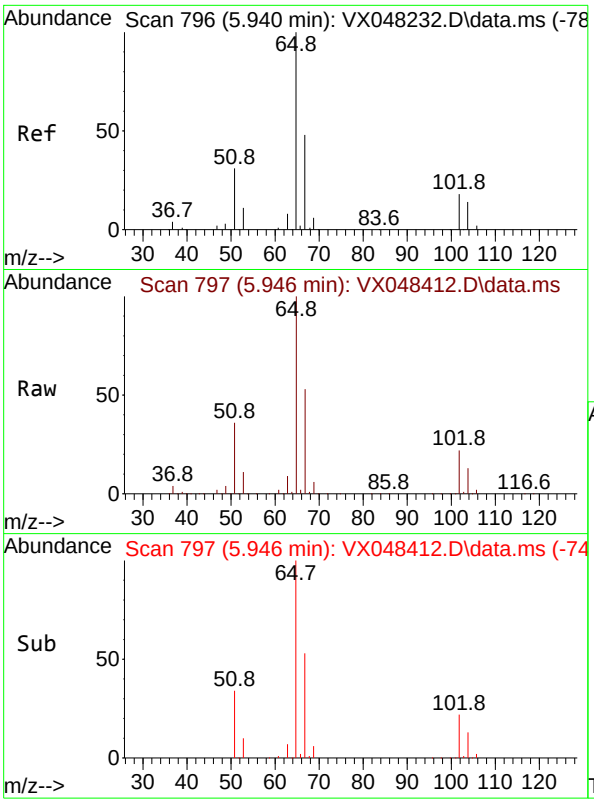


#32
1,1,1-Trichloroethane
Concen: 156.431 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 97 Resp: 435417

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	42.5	34.8	52.2

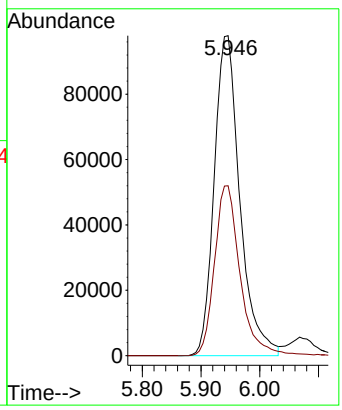




#33
1,2-Dichloroethane-d4
Concen: 154.097 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 65 Resp: 29665

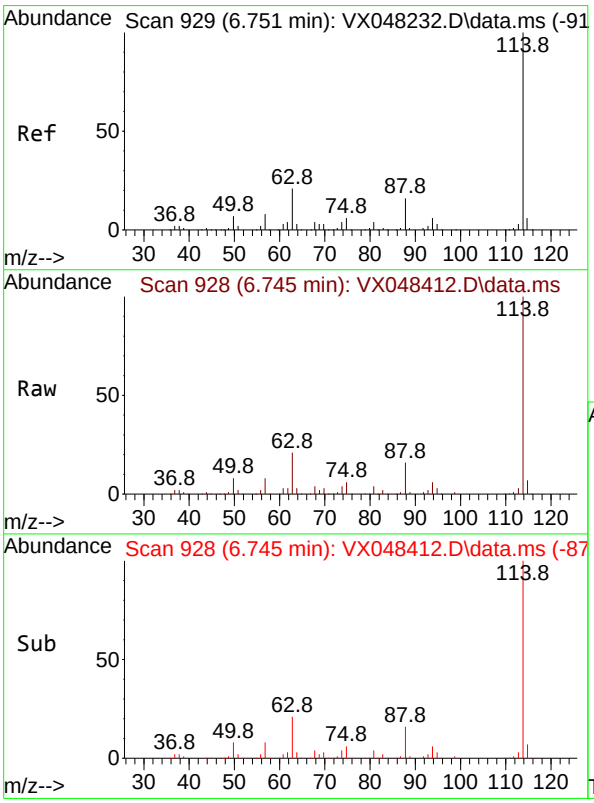
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

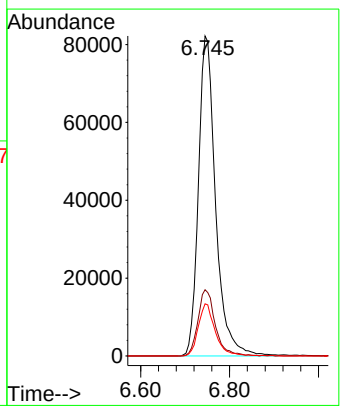
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

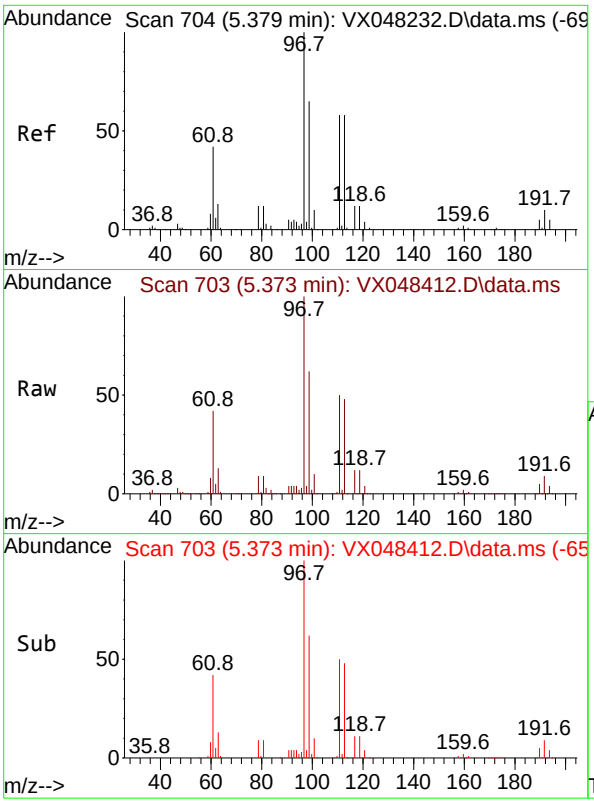


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:114 Resp: 221426

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	16.3	0.0	33.6

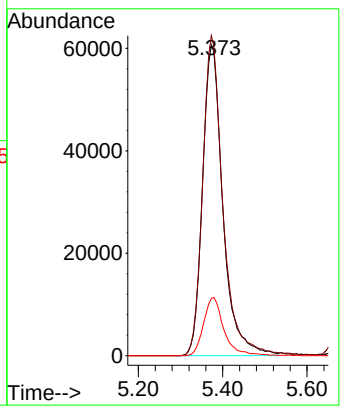




#35
Dibromofluoromethane
Concen: 161.437 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:113 Resp: 20380

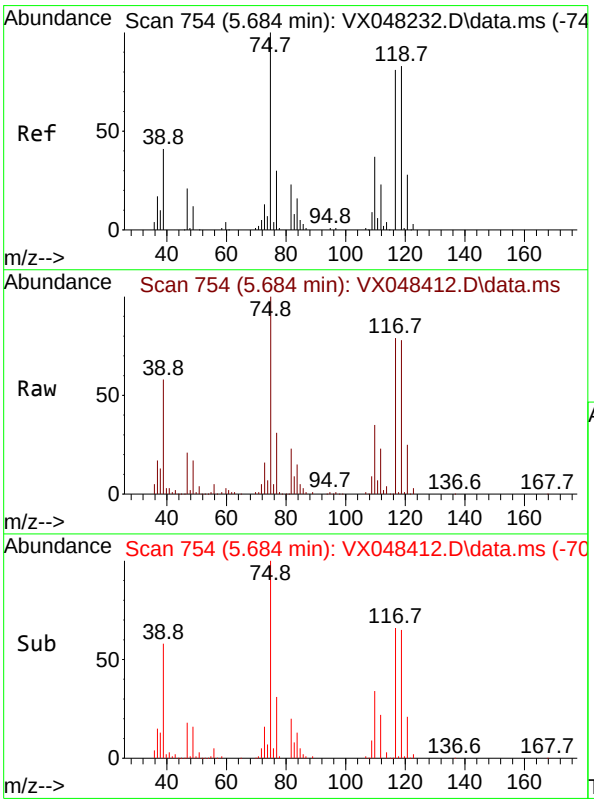
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	18.7	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

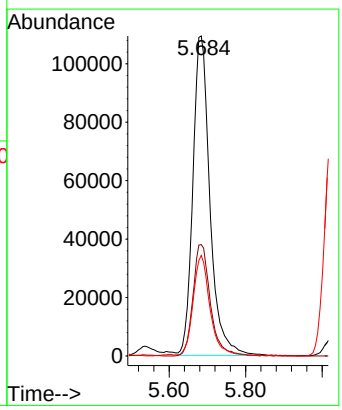
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

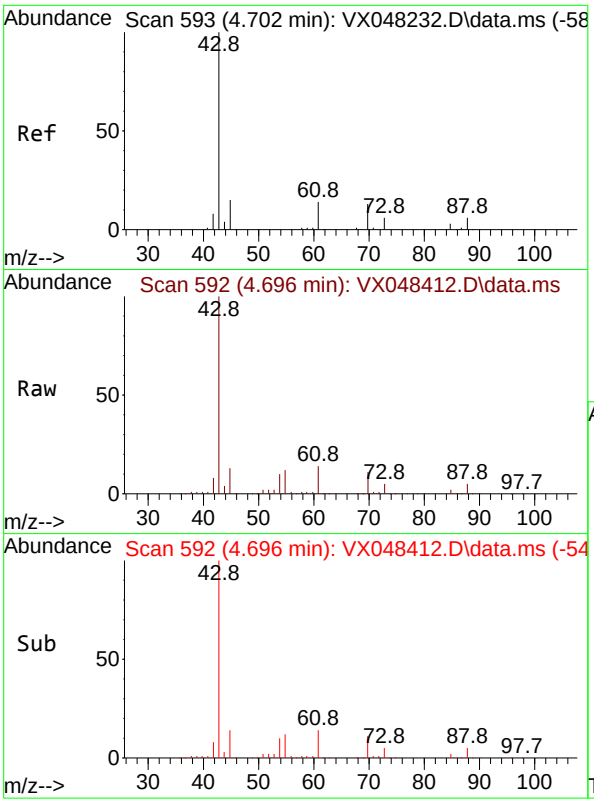


#36
1,1-Dichloropropene
Concen: 160.053 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 75 Resp: 339315

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.7	53.1
77	30.9	24.3	36.5

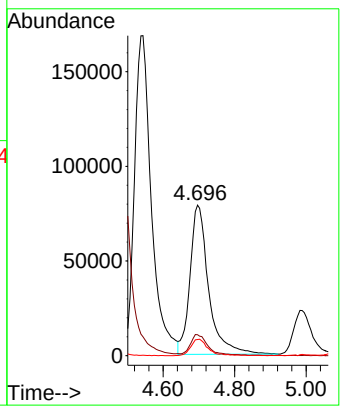




#37
Ethyl Acetate
Concen: 158.070 ug/l
RT: 4.696 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 43 Resp: 28550

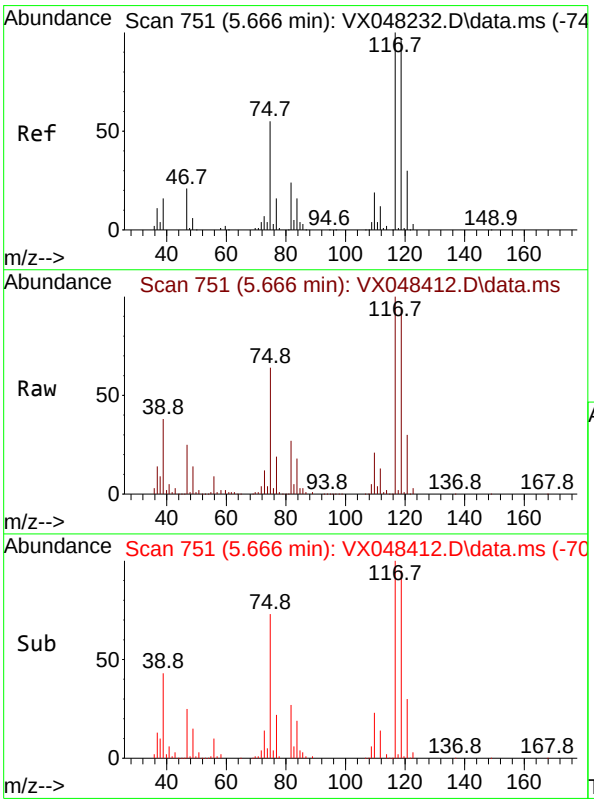
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.6	15.8
70	10.3	7.8	11.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

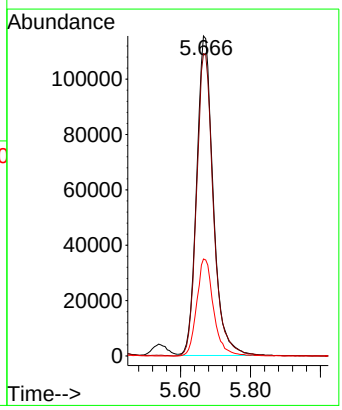
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

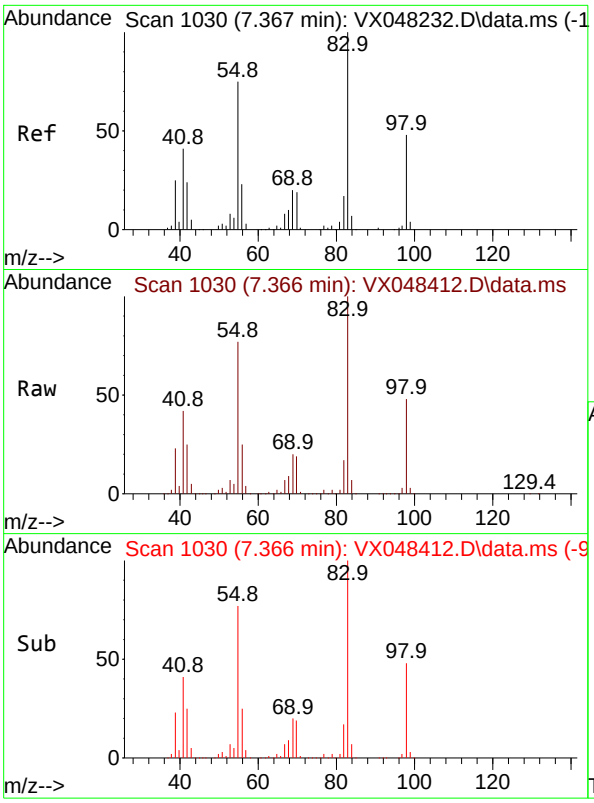


#38
Carbon Tetrachloride
Concen: 155.159 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:117 Resp: 379794

Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.2	115.8
121	30.4	24.8	37.2

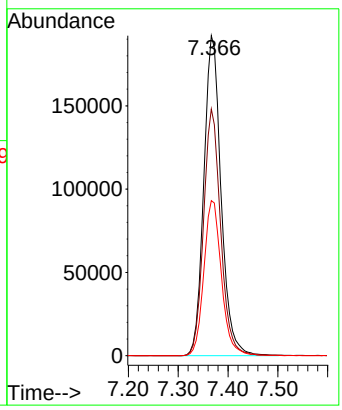




#39
Methylcyclohexane
Concen: 169.485 ug/l
RT: 7.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 83 Resp: 46206

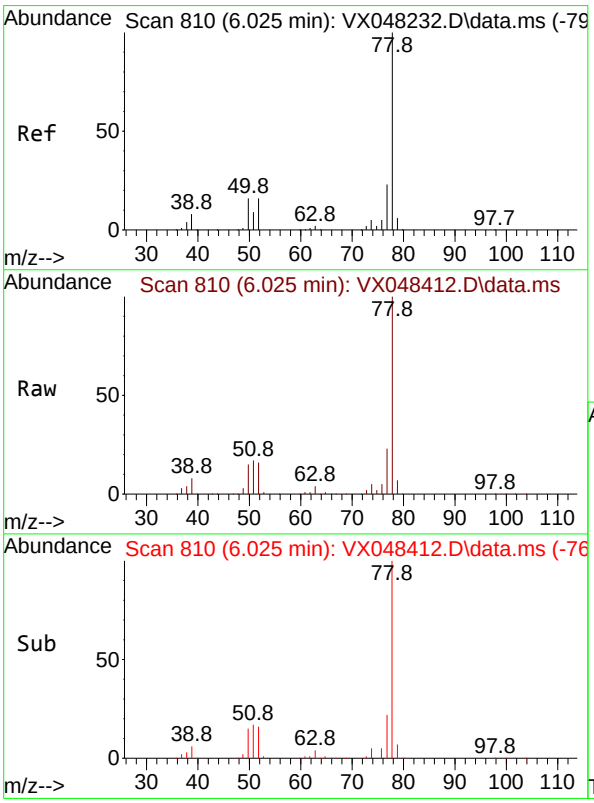
Ion	Ratio	Lower	Upper
83	100		
55	77.1	66.2	99.2
98	48.4	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

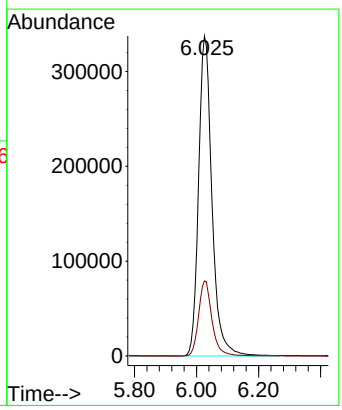
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

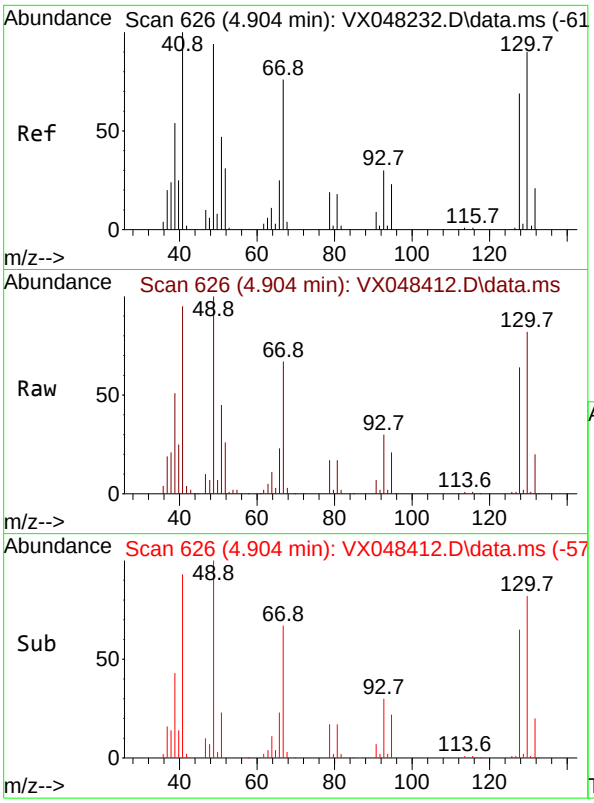


#40
Benzene
Concen: 156.299 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 78 Resp: 1012290

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9

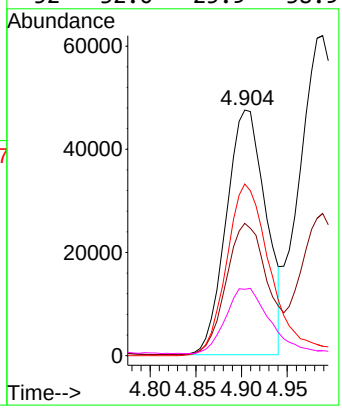




#41
Methacrylonitrile
Concen: 157.424 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 41 Resp: 14322

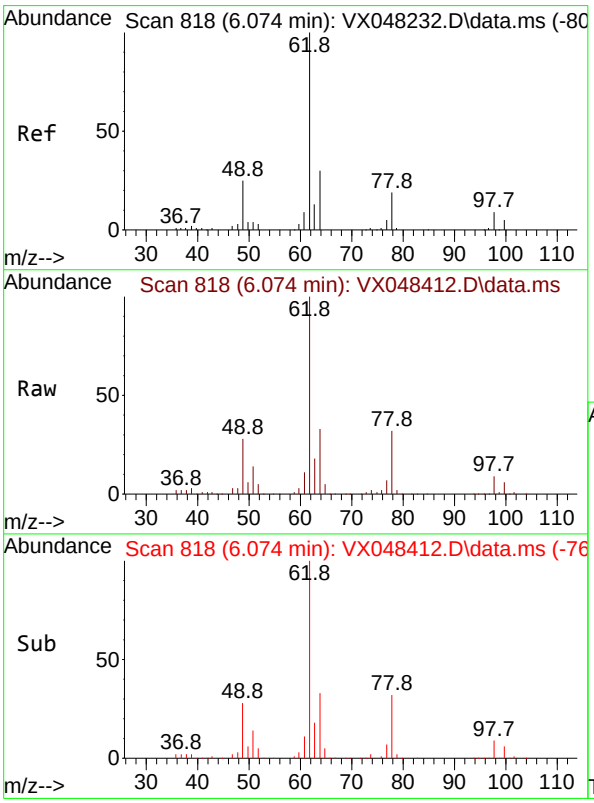
Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.0	66.0
67	81.3	58.7	88.1
52	32.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

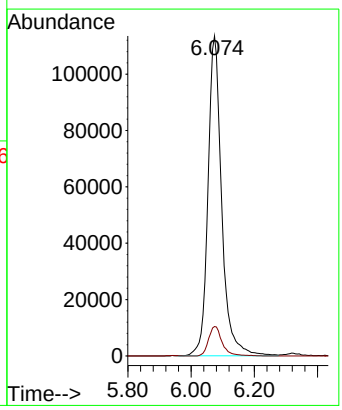
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

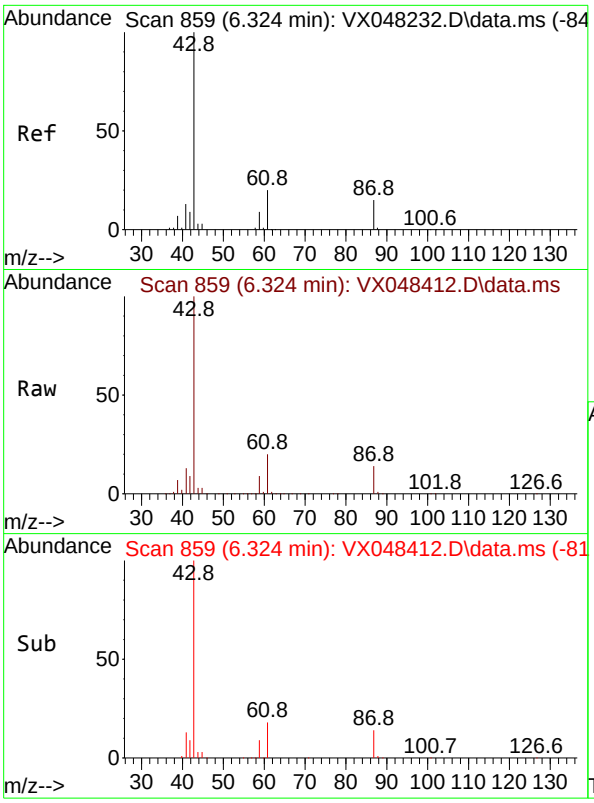


#42
1,2-Dichloroethane
Concen: 150.080 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 62 Resp: 342371

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.2

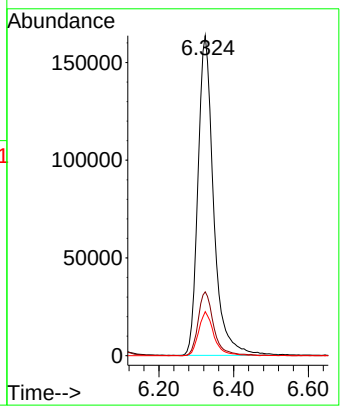




#43
Isopropyl Acetate
Concen: 159.192 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 43 Resp: 47471

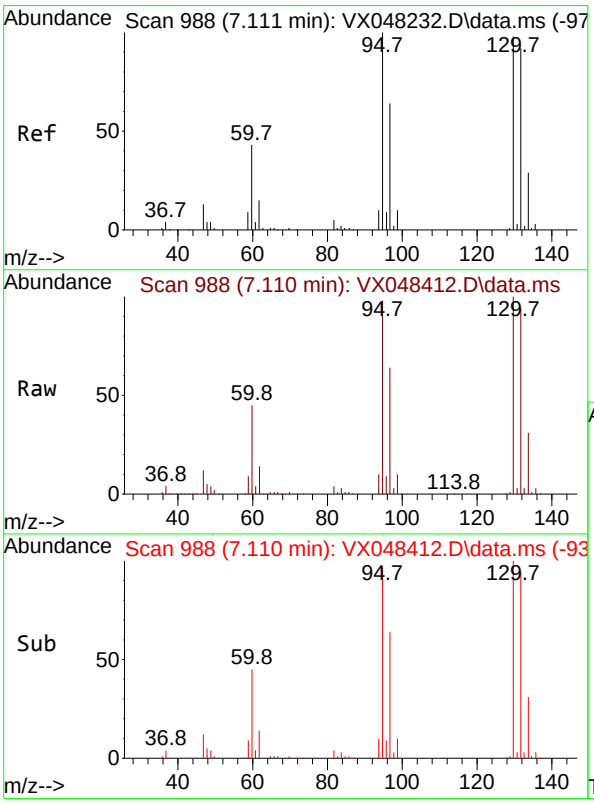
Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.9	22.3
87	13.5	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

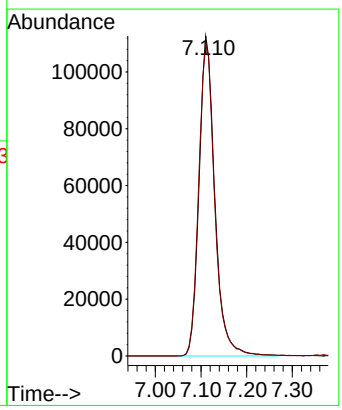
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

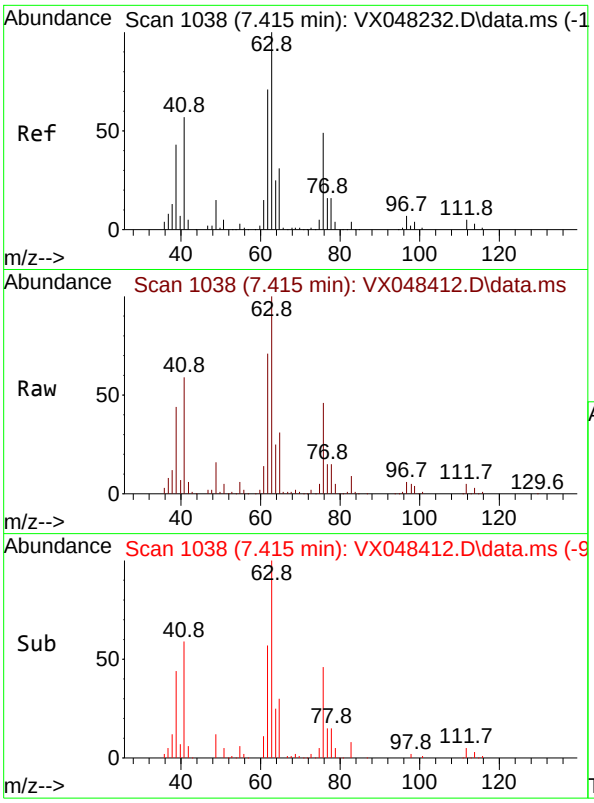


#44
Trichloroethene
Concen: 158.985 ug/l
RT: 7.110 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:130 Resp: 269776

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	200.6

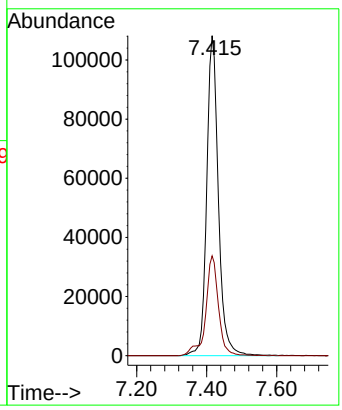




#45
1,2-Dichloropropane
Concen: 154.807 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 63 Resp: 25040

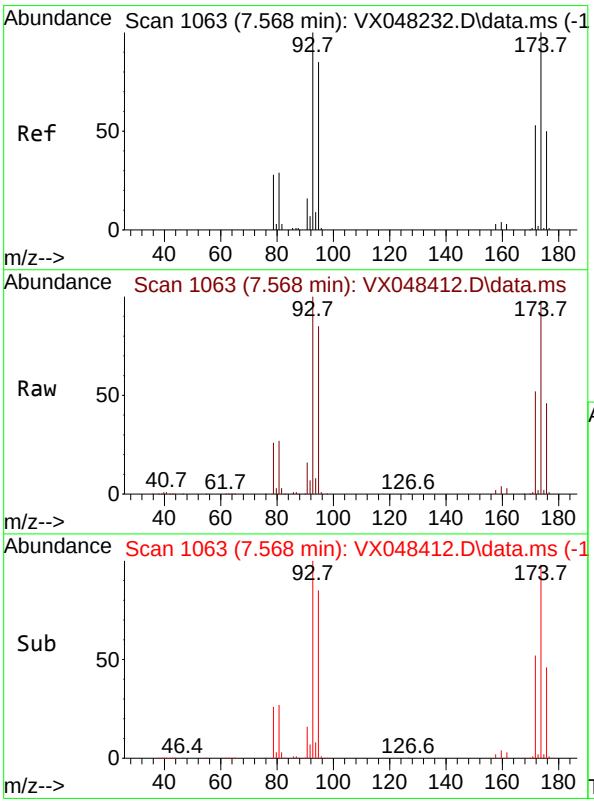
Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

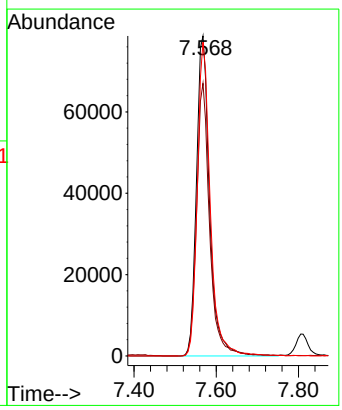
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

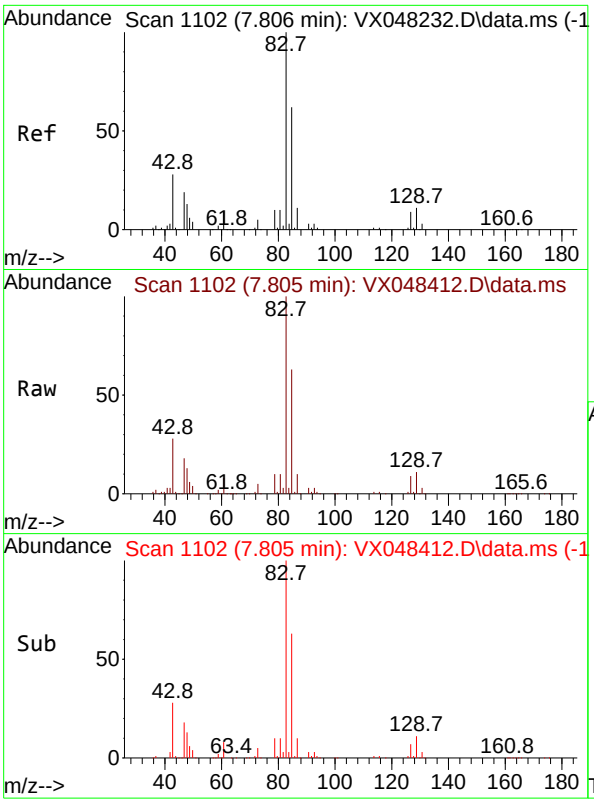


#46
Dibromomethane
Concen: 154.540 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 93 Resp: 174988

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.9	98.9
174	96.3	71.7	107.5

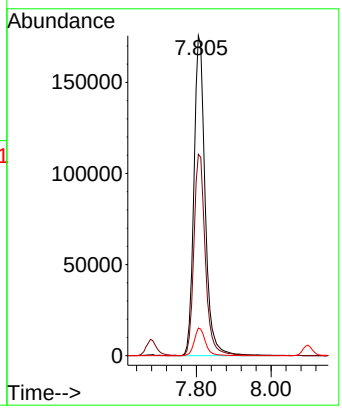




#47
Bromodichloromethane
Concen: 151.939 ug/l
RT: 7.805 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 83 Resp: 36554

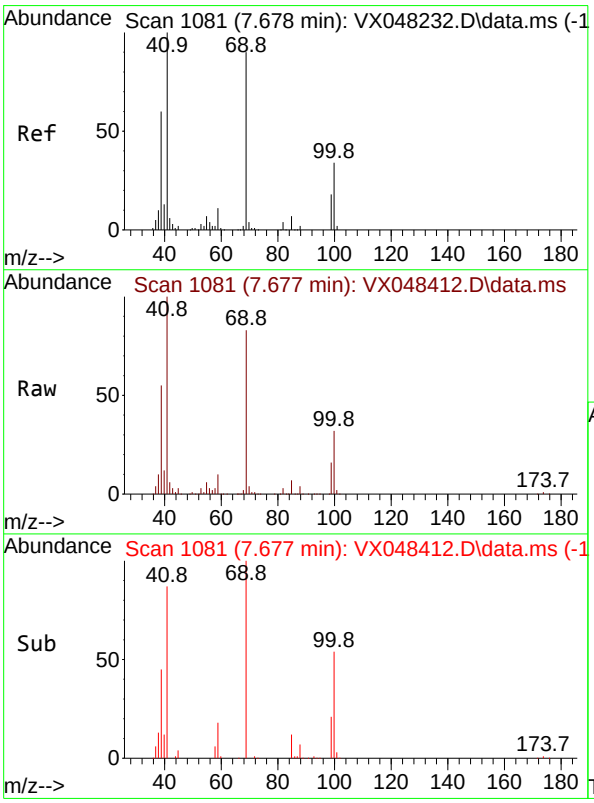
Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.4
127	8.7	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

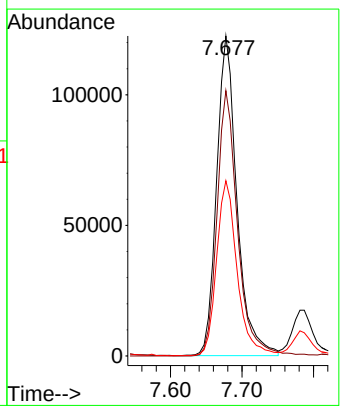
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

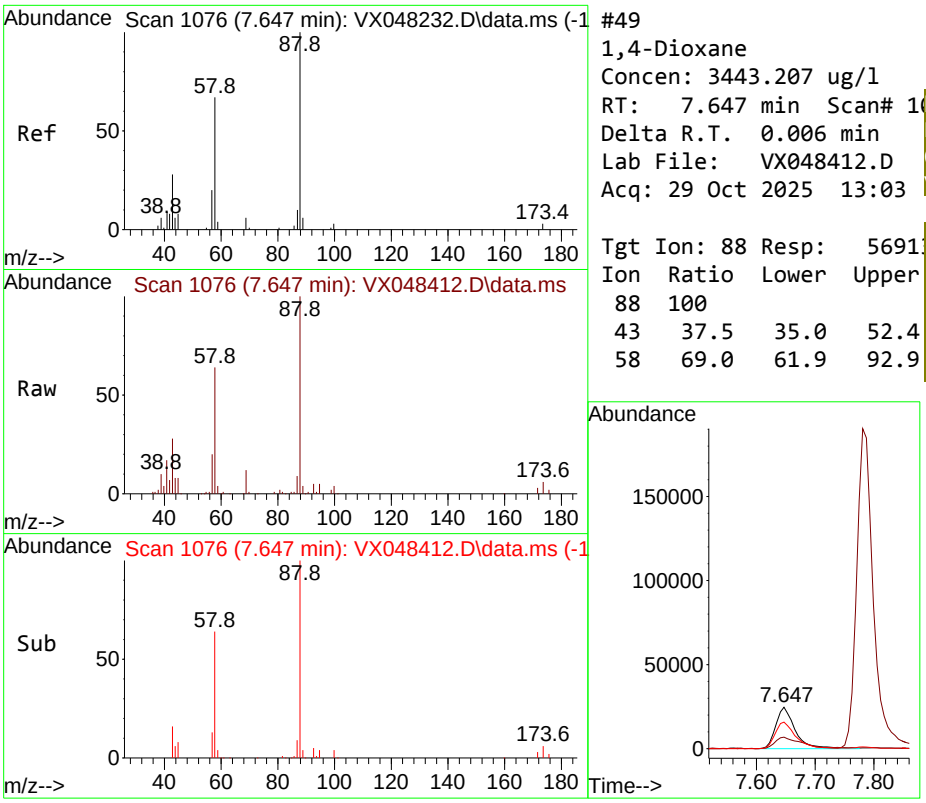


#48
Methyl methacrylate
Concen: 166.402 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 41 Resp: 241987

Ion	Ratio	Lower	Upper
41	100		
69	84.2	63.4	95.0
39	55.4	47.1	70.7





#49
1,4-Dioxane
Concen: 3443.207 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

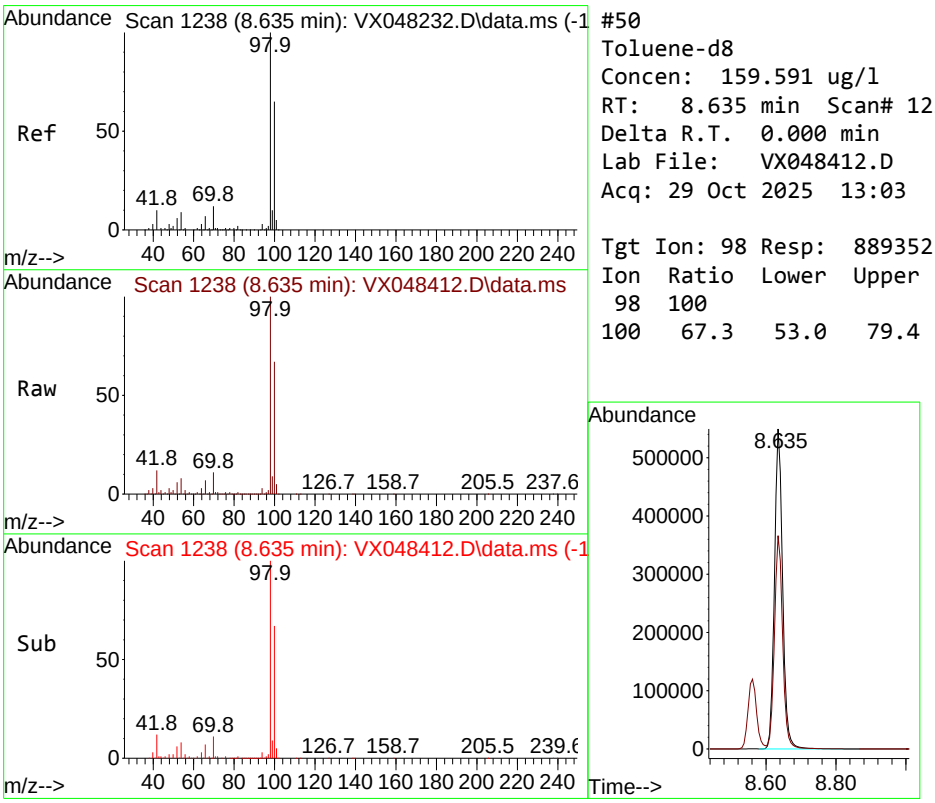
Tgt Ion: 88 Resp: 5691

Ion	Ratio	Lower	Upper
88	100		
43	37.5	35.0	52.4
58	69.0	61.9	92.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

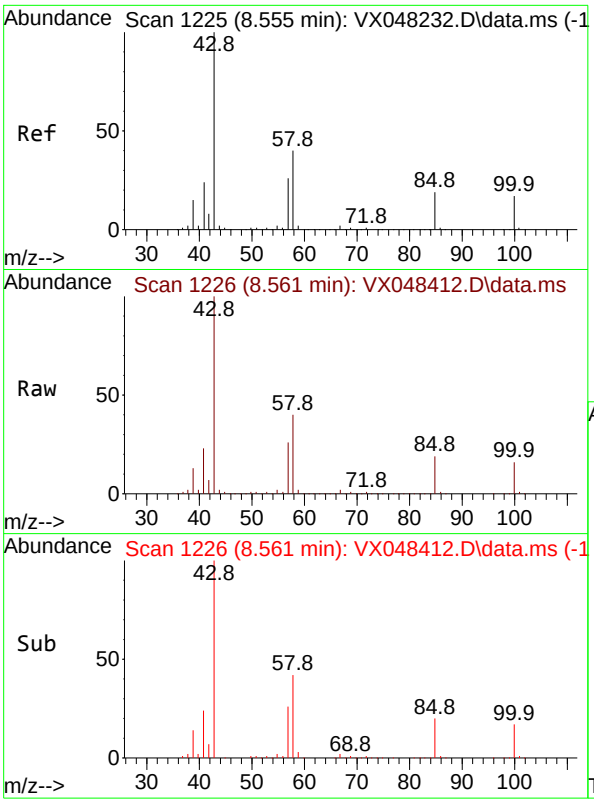
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#50
Toluene-d8
Concen: 159.591 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 98 Resp: 889352

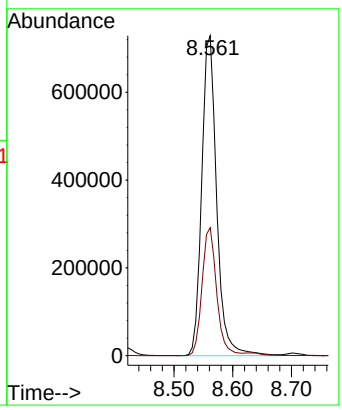
Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4



#51
4-Methyl-2-Pentanone
Concen: 776.723 ug/l
RT: 8.561 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 43 Resp: 128904

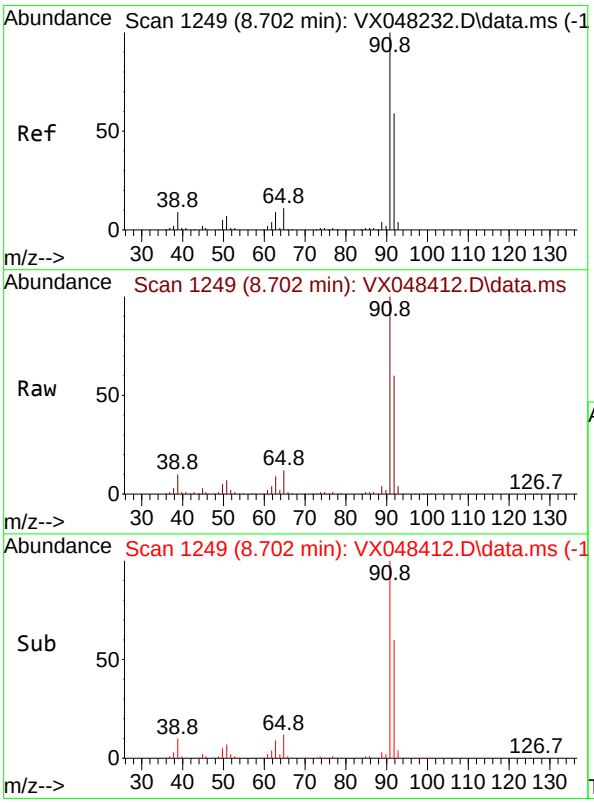
Ion	Ratio	Lower	Upper
43	100		
58	39.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

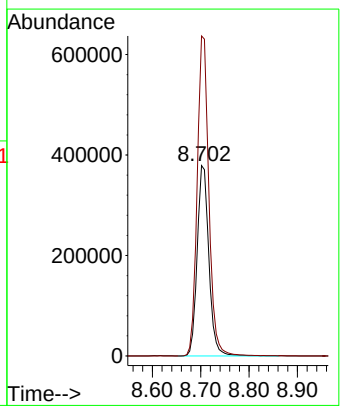
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

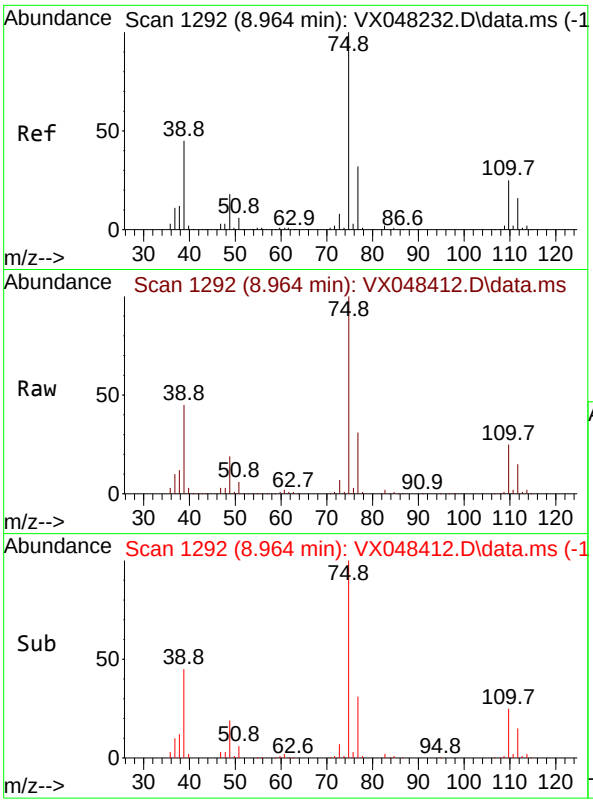


#52
Toluene
Concen: 156.693 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 92 Resp: 634130

Ion	Ratio	Lower	Upper
92	100		
91	168.1	136.1	204.1

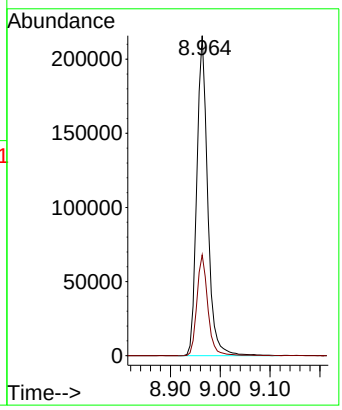




#53
t-1,3-Dichloropropene
Concen: 150.209 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 75 Resp: 32755

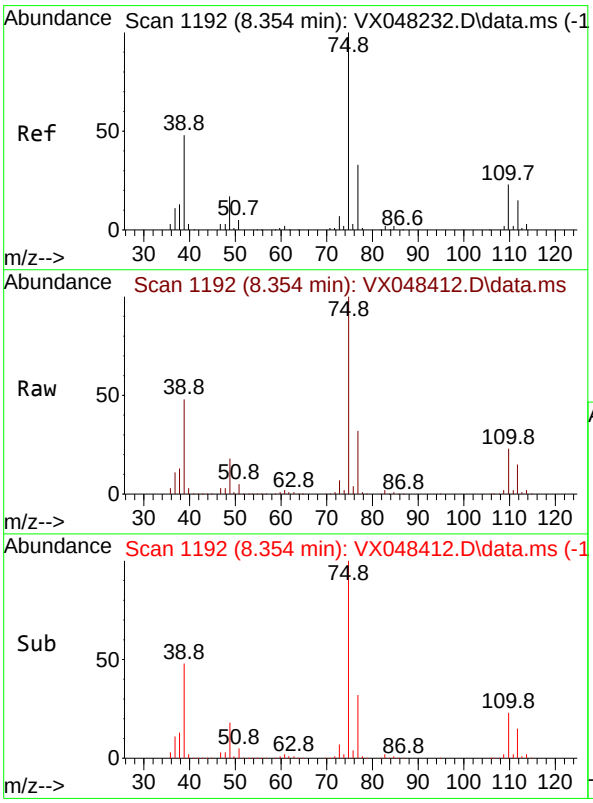
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

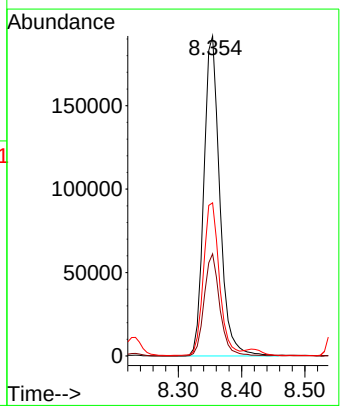
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

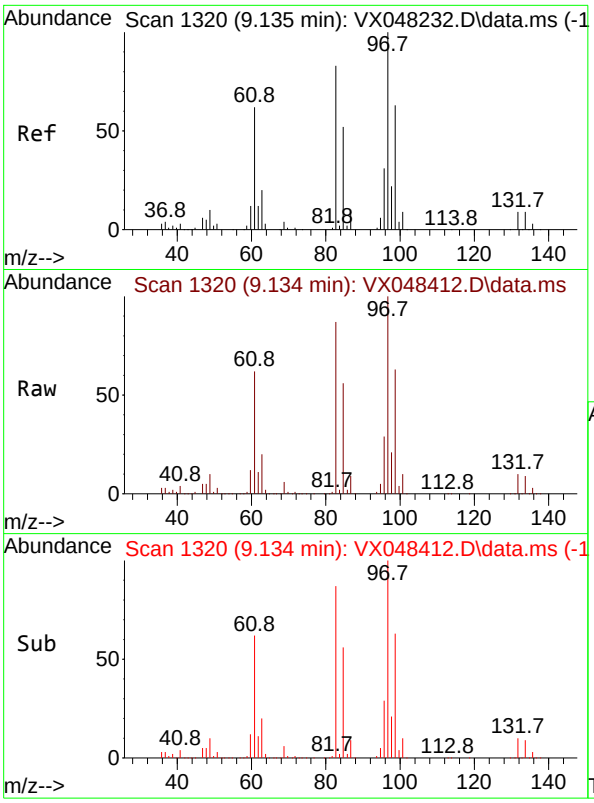


#54
cis-1,3-Dichloropropene
Concen: 142.929 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 75 Resp: 335804

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	47.6	42.6	64.0

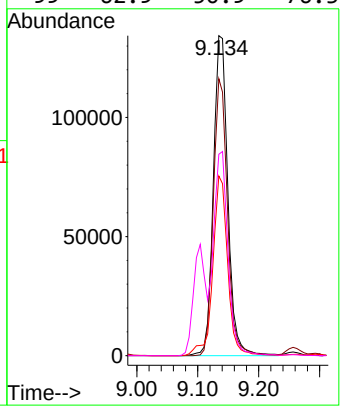




#55
1,1,2-Trichloroethane
Concen: 151.673 ug/l
RT: 9.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 97 Resp: 22213

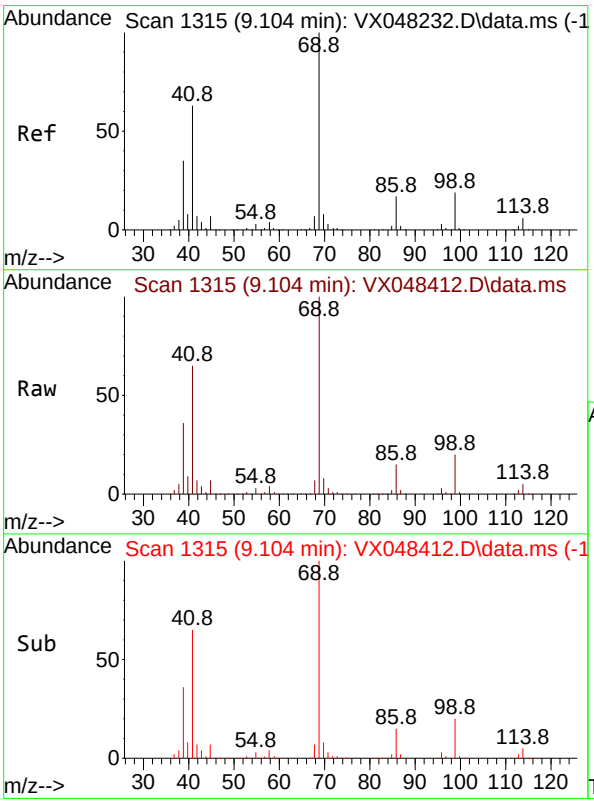
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.6	105.8
85	56.2	45.0	67.6
99	62.9	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

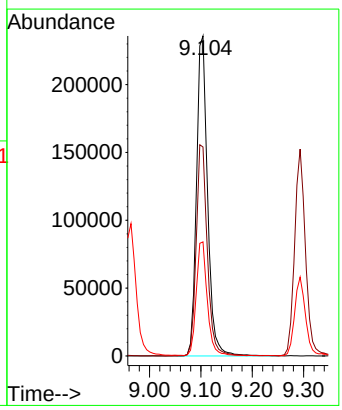
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

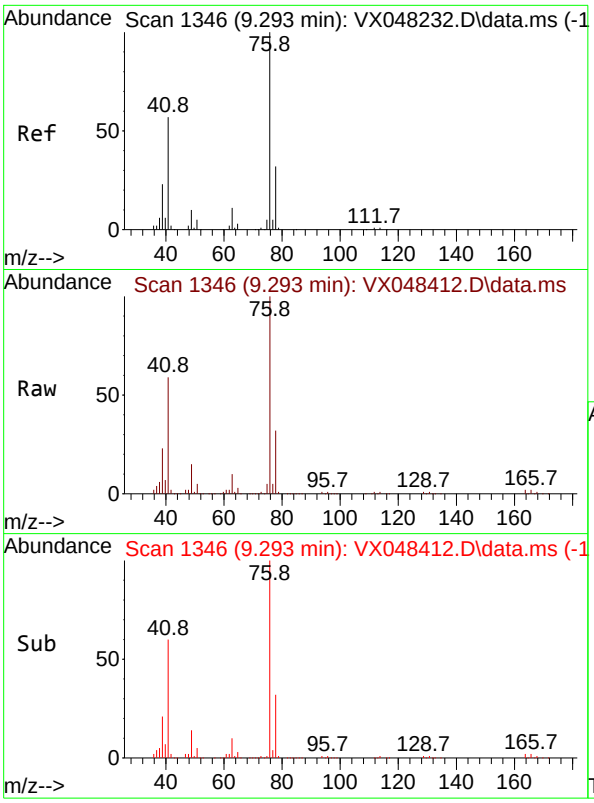


#56
Ethyl methacrylate
Concen: 164.986 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 69 Resp: 353810

Ion	Ratio	Lower	Upper
69	100		
41	66.0	56.0	84.0
39	35.4	31.6	47.4

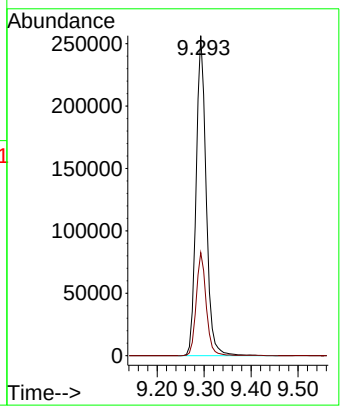




#57
1,3-Dichloropropane
Concen: 150.457 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 76 Resp: 38206

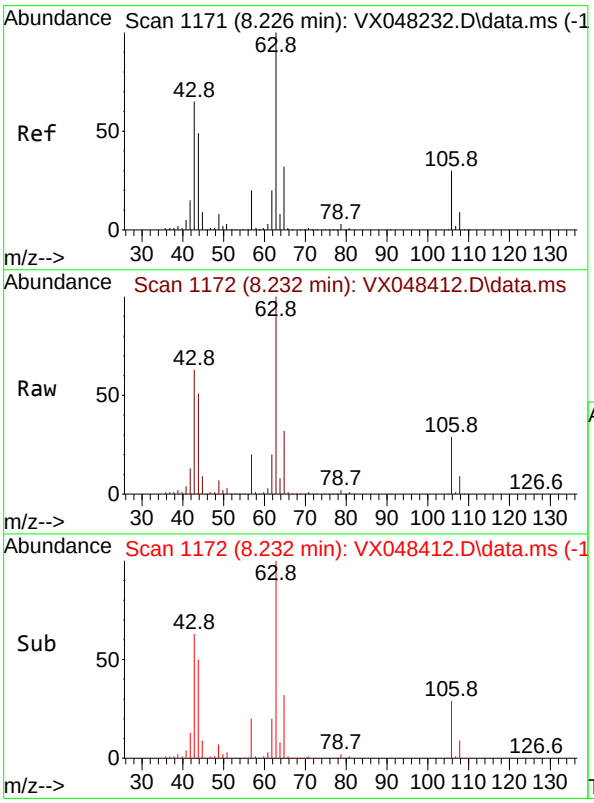
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

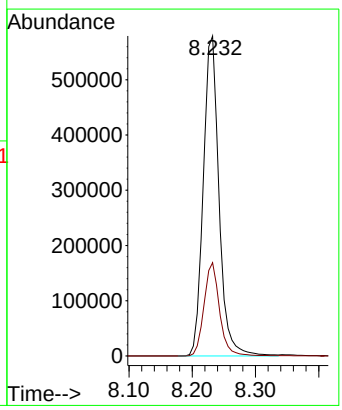
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

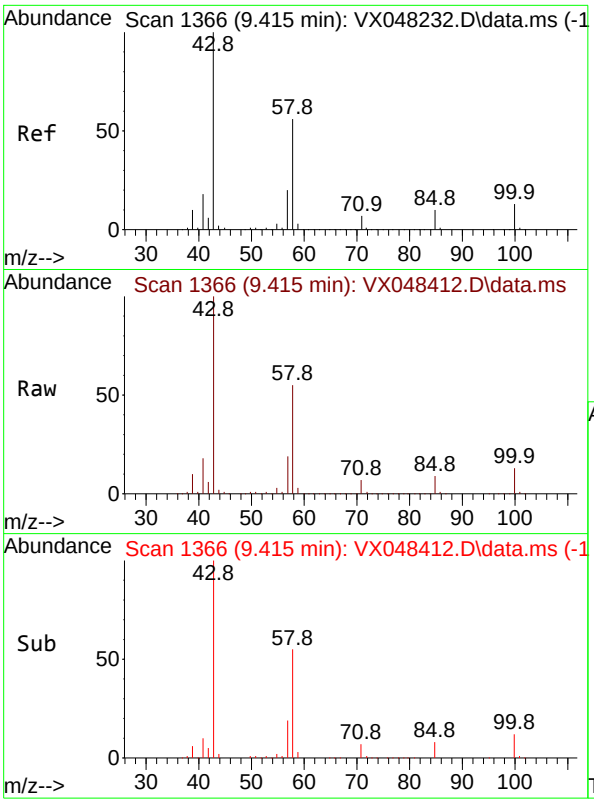


#58
2-Chloroethyl Vinyl ether
Concen: 765.777 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 63 Resp: 1003535

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.2	33.2

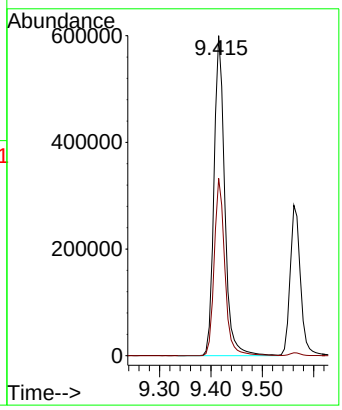




#59
2-Hexanone
Concen: 808.982 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 43 Resp: 87359

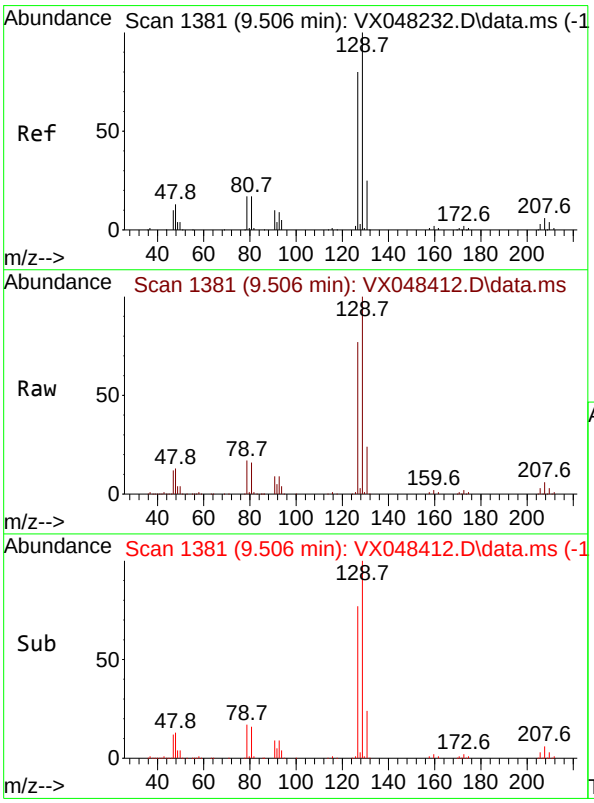
Ion	Ratio	Lower	Upper
43	100		
58	54.8	26.3	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

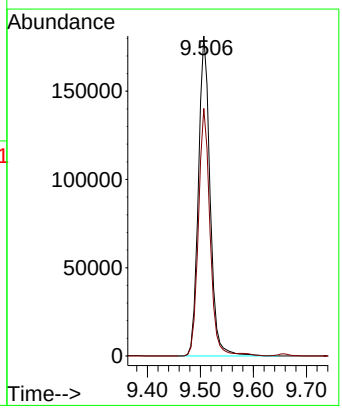
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

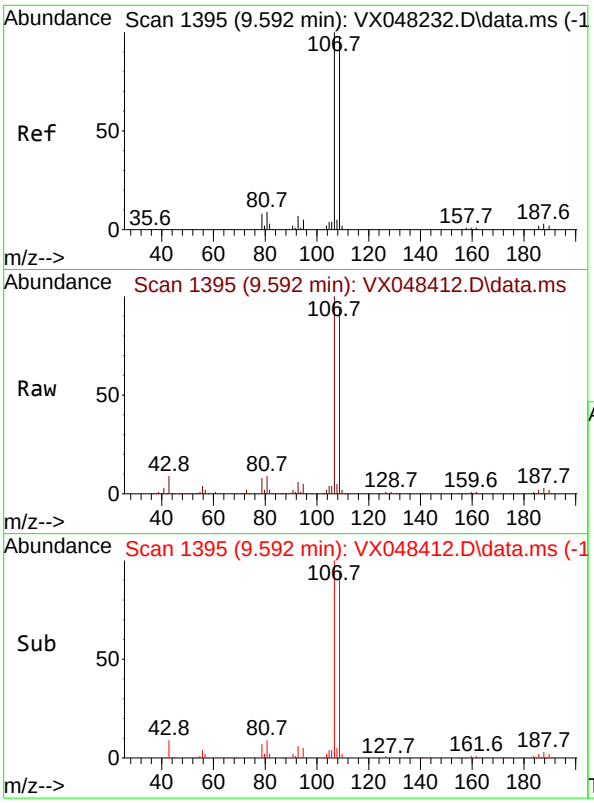


#60
Dibromochloromethane
Concen: 153.207 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:129 Resp: 277503

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.7

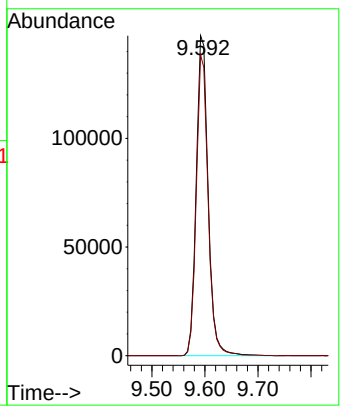




#61
1,2-Dibromoethane
Concen: 152.001 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:107 Resp: 23029

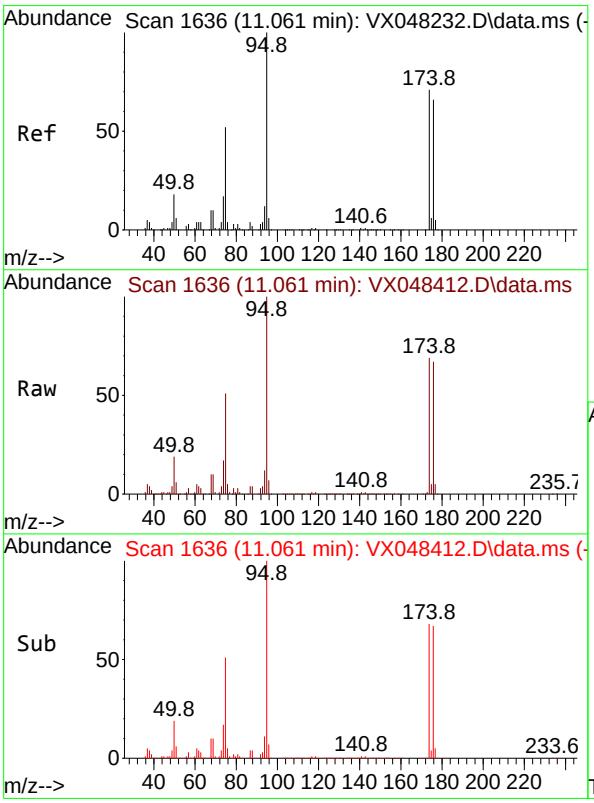
Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.0	115.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

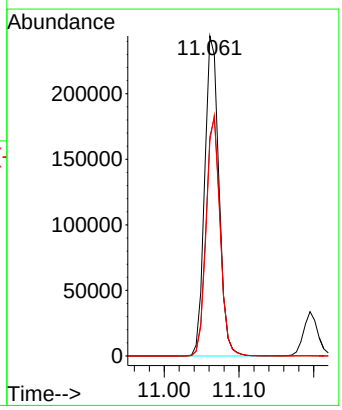
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

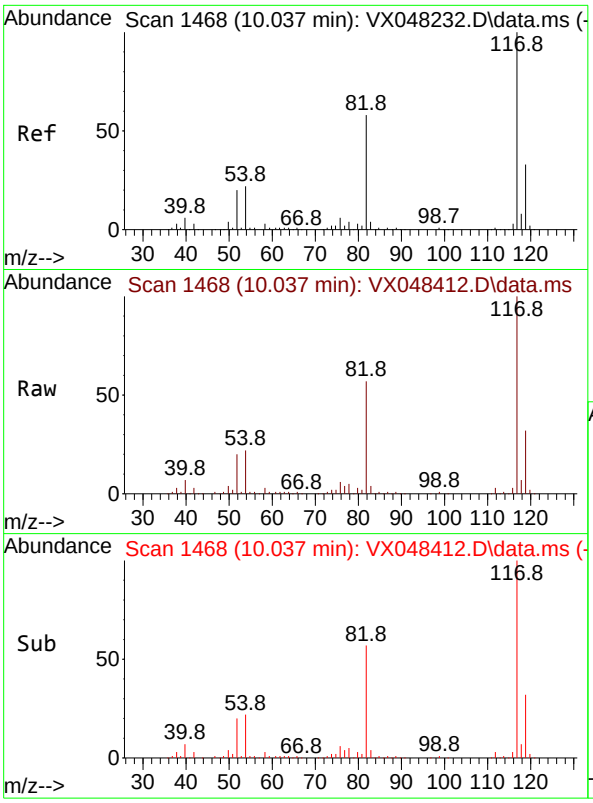


#62
4-Bromofluorobenzene
Concen: 154.584 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 95 Resp: 322251

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	147.8
176	72.9	0.0	142.8

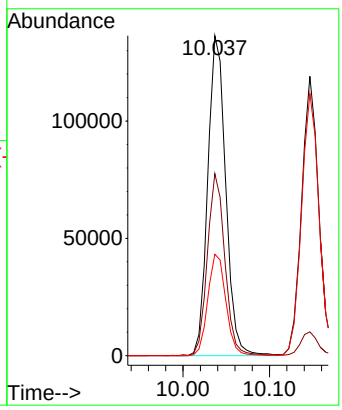




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:117 Resp: 19641

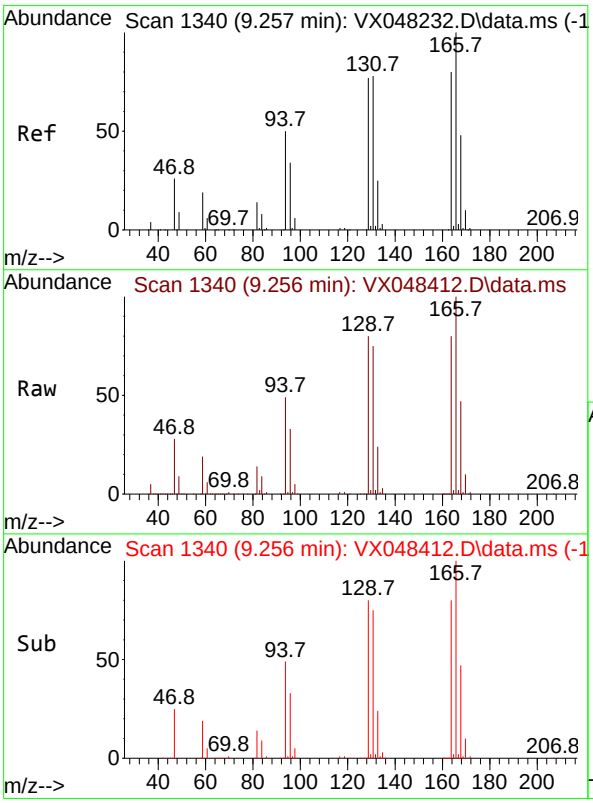
Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.5	69.7
119	31.7	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

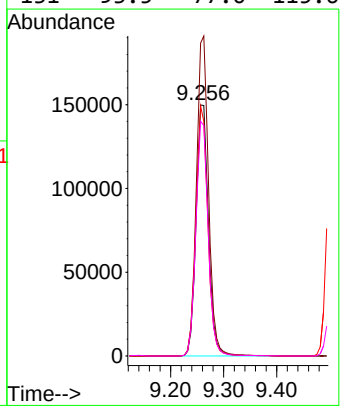
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

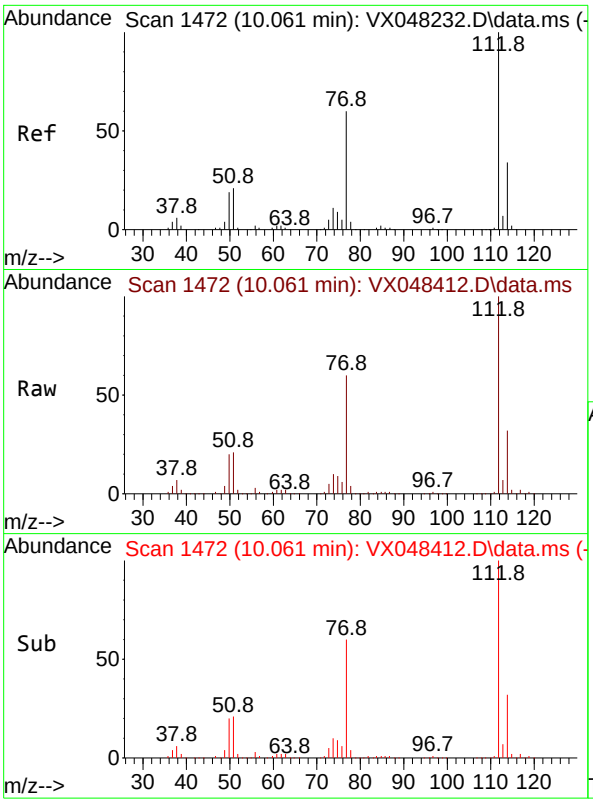


#64
Tetrachloroethene
Concen: 152.704 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:164 Resp: 241539

Ion	Ratio	Lower	Upper
164	100		
166	124.6	104.5	156.7
129	99.5	81.8	122.6
131	93.5	77.0	115.6





#65
Chlorobenzene
Concen: 153.517 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

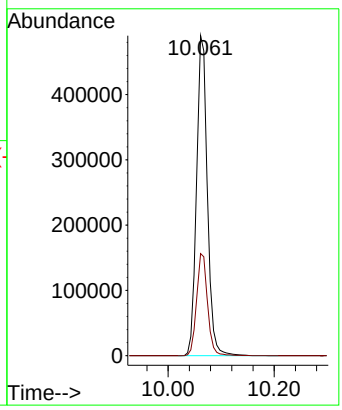
Tgt Ion:112 Resp: 69465

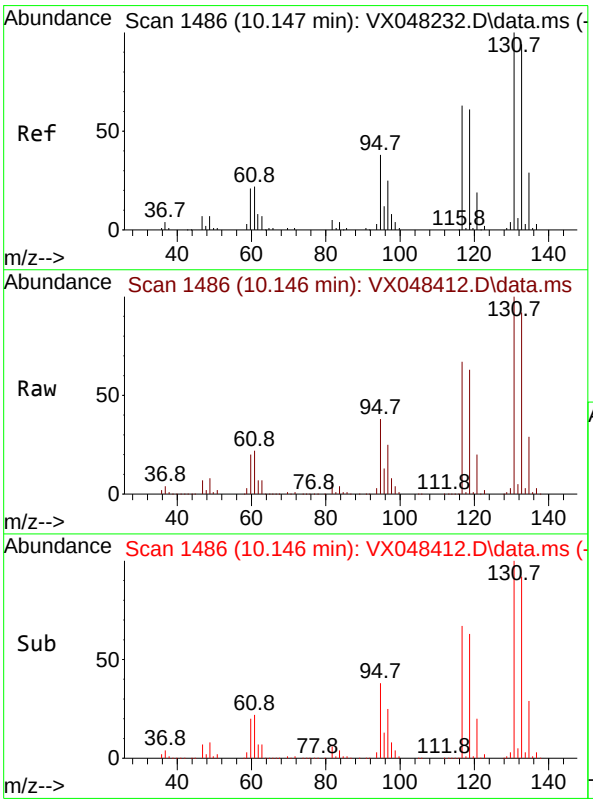
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

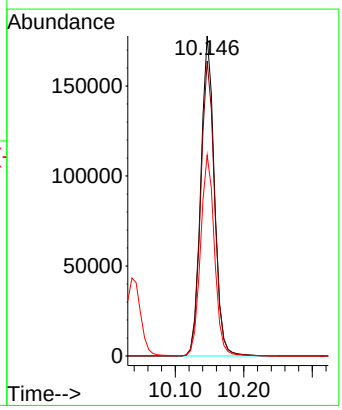


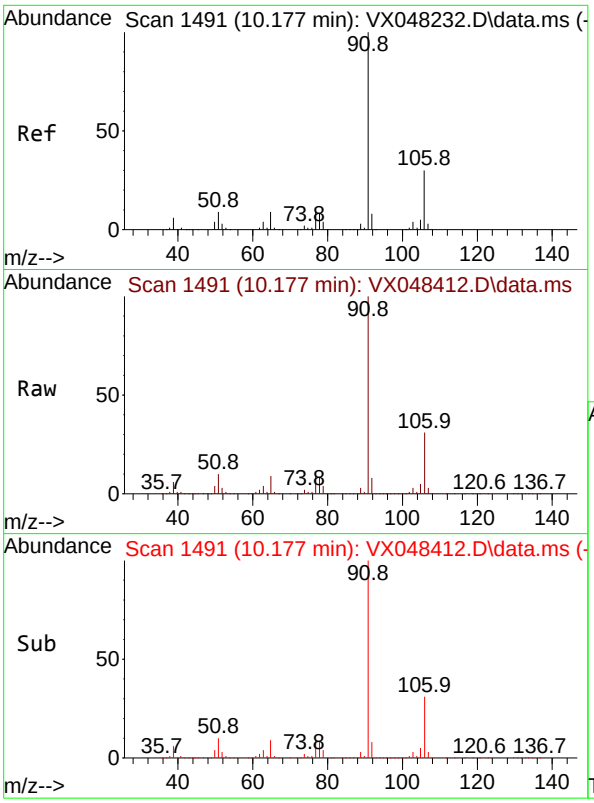


#66
1,1,1,2-Tetrachloroethane
Concen: 159.824 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:131 Resp: 245997

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.6	142.8
119	64.3	32.5	97.5

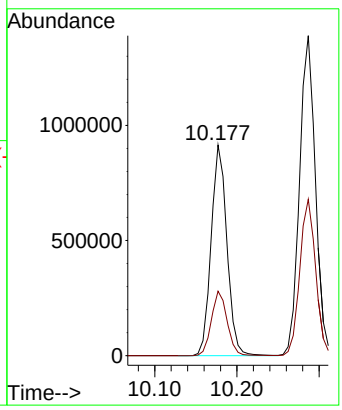




#67
Ethyl Benzene
Concen: 160.063 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 91 Resp: 121949

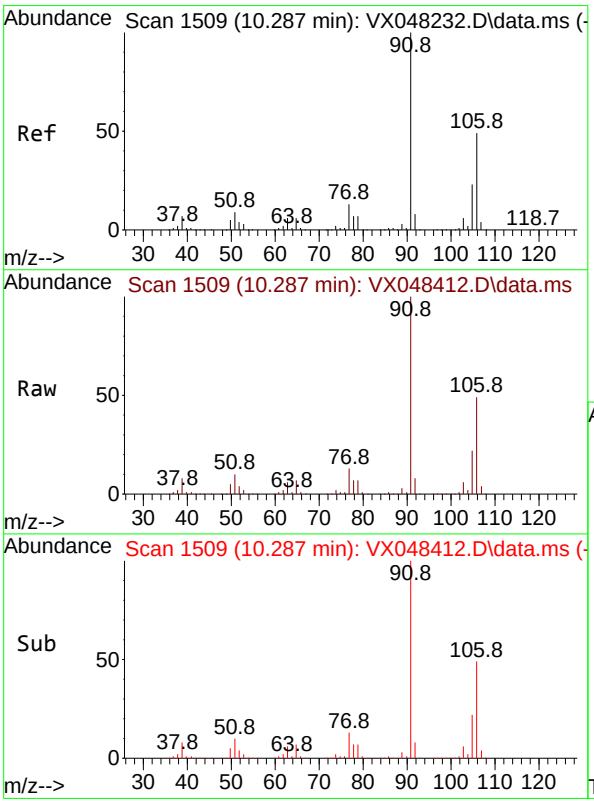
Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

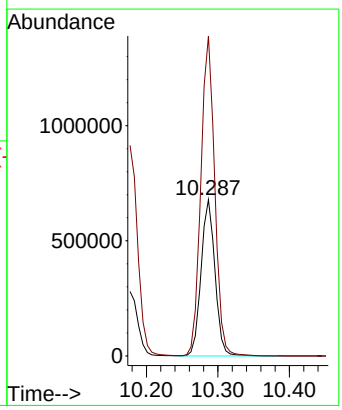
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

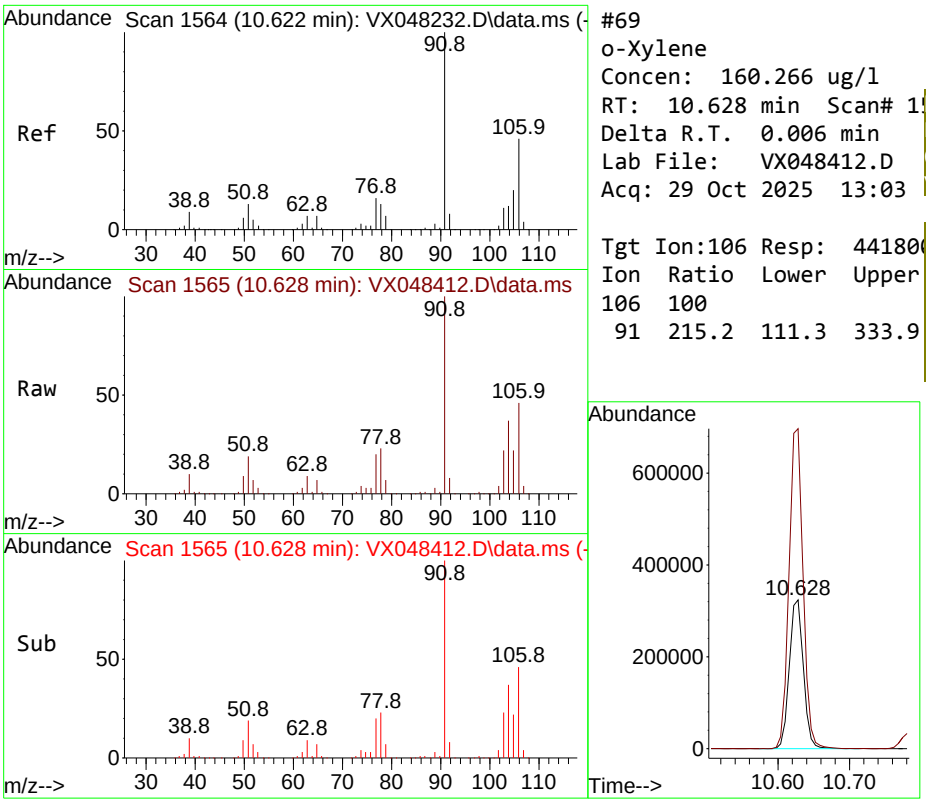


#68
m/p-Xylenes
Concen: 317.337 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:106 Resp: 915429

Ion	Ratio	Lower	Upper
106	100		
91	205.1	167.9	251.9





#69
o-Xylene
Concen: 160.266 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

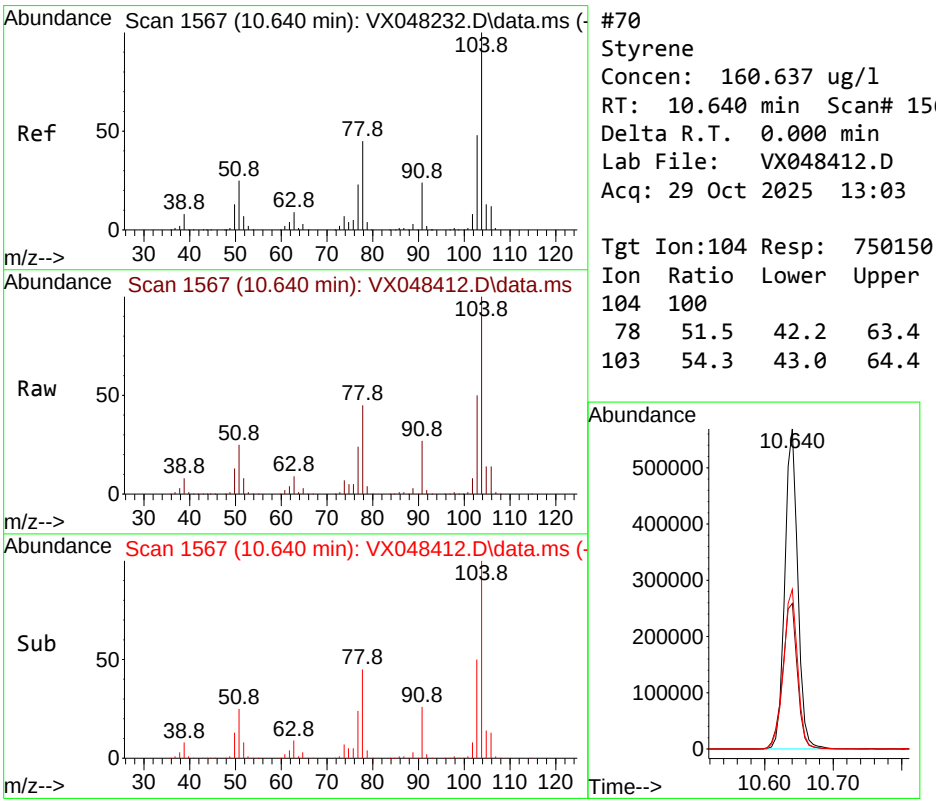
Tgt Ion:106 Resp: 44180

Ion	Ratio	Lower	Upper
106	100		
91	215.2	111.3	333.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

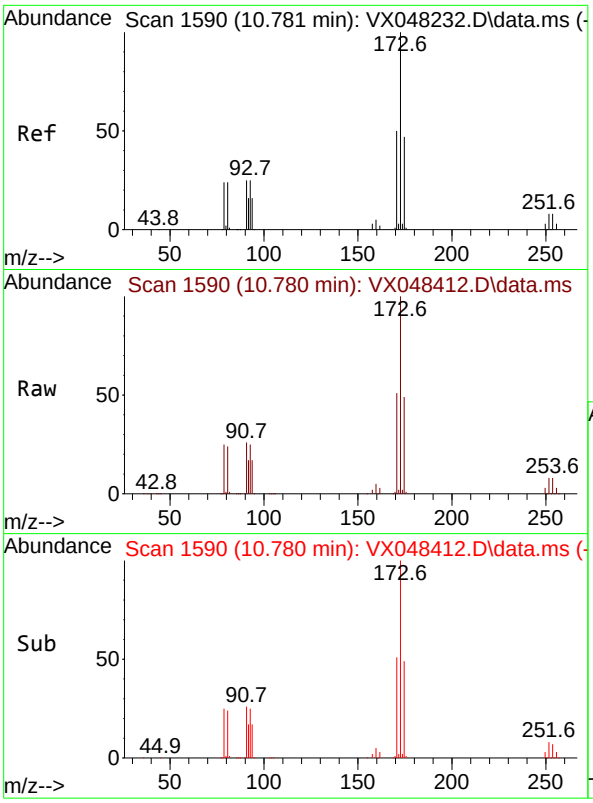
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#70
Styrene
Concen: 160.637 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:104 Resp: 750150

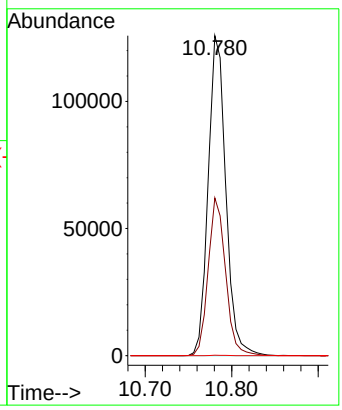
Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.2	63.4
103	54.3	43.0	64.4



#71
Bromoform
Concen: 159.885 ug/l
RT: 10.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:173 Resp: 17802

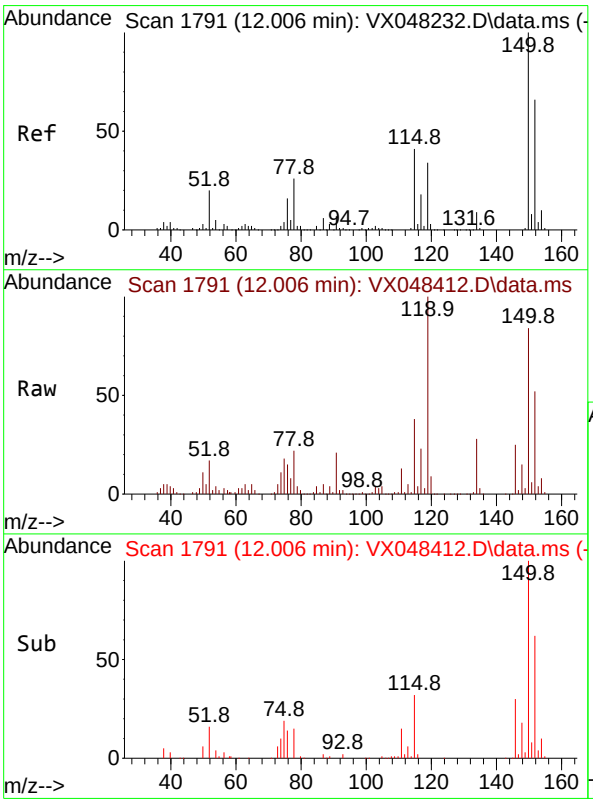
Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

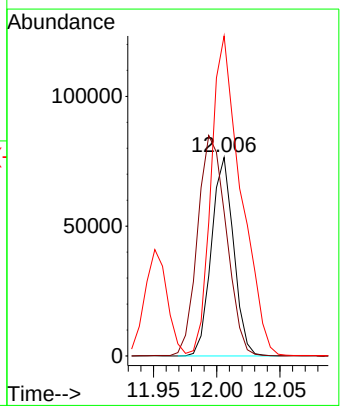
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

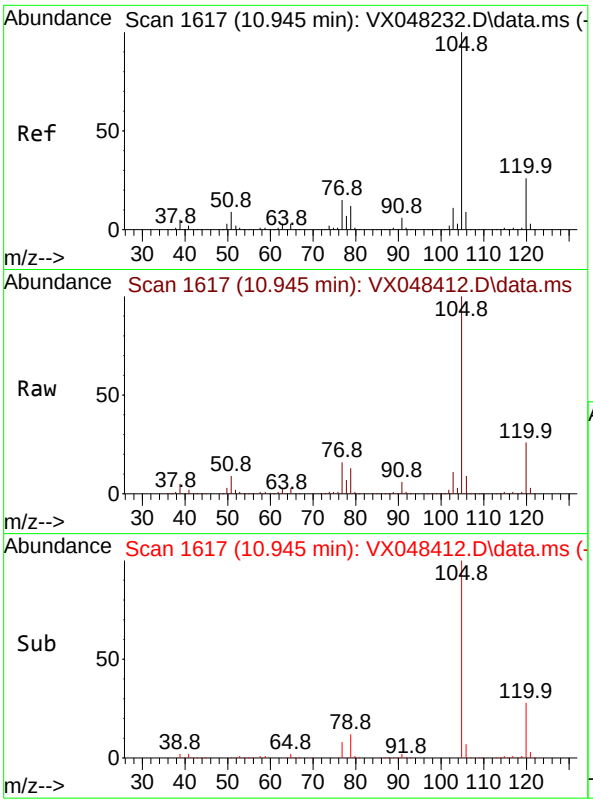


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:152 Resp: 93582

Ion	Ratio	Lower	Upper
152	100		
115	143.4	43.1	129.4#
150	216.4	0.0	353.0

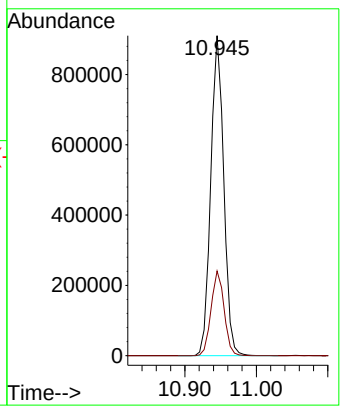




#73
Isopropylbenzene
Concen: 165.706 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:105 Resp: 114698

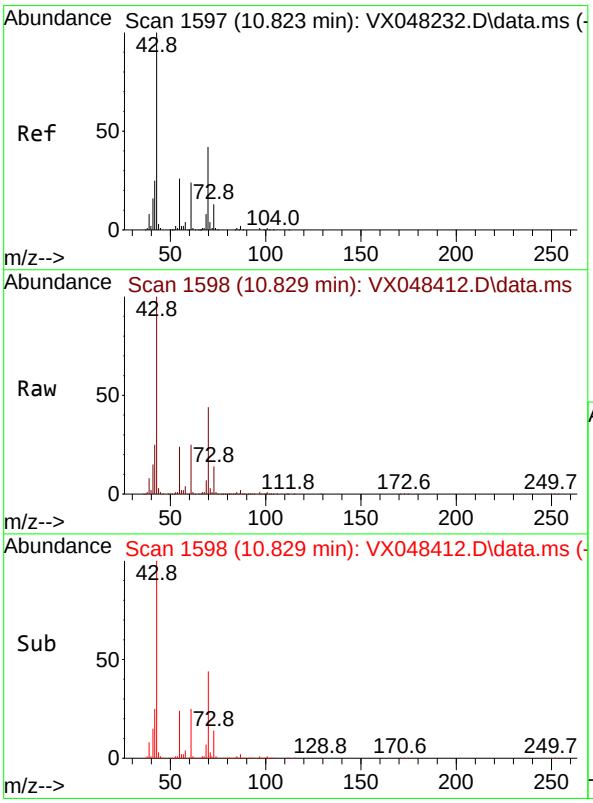
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

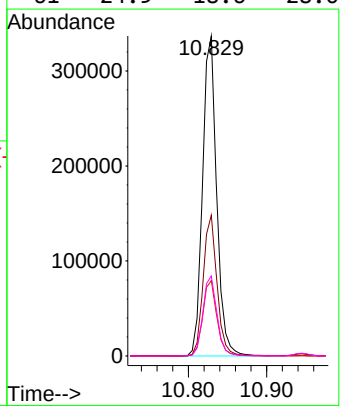
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

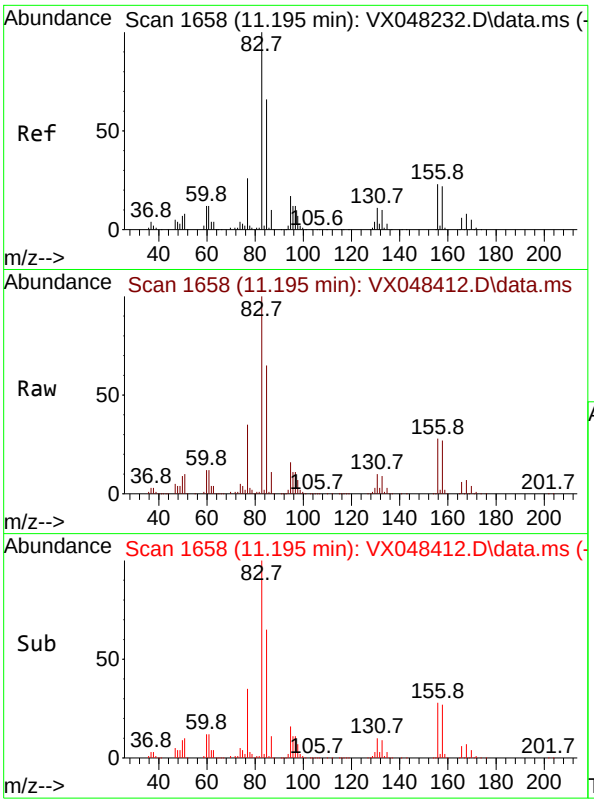


#74
N-amyl acetate
Concen: 170.178 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 43 Resp: 420212

Ion	Ratio	Lower	Upper
43	100		
70	43.1	32.2	48.2
55	23.8	19.1	28.7
61	24.9	18.6	28.0

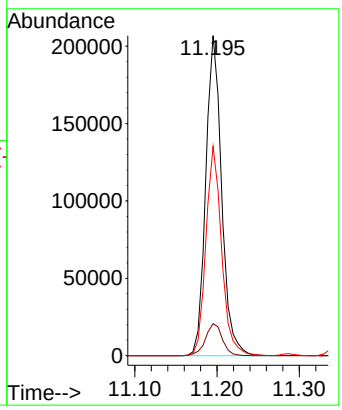




#75
1,1,2,2-Tetrachloroethane
Concen: 158.267 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 83 Resp: 27748

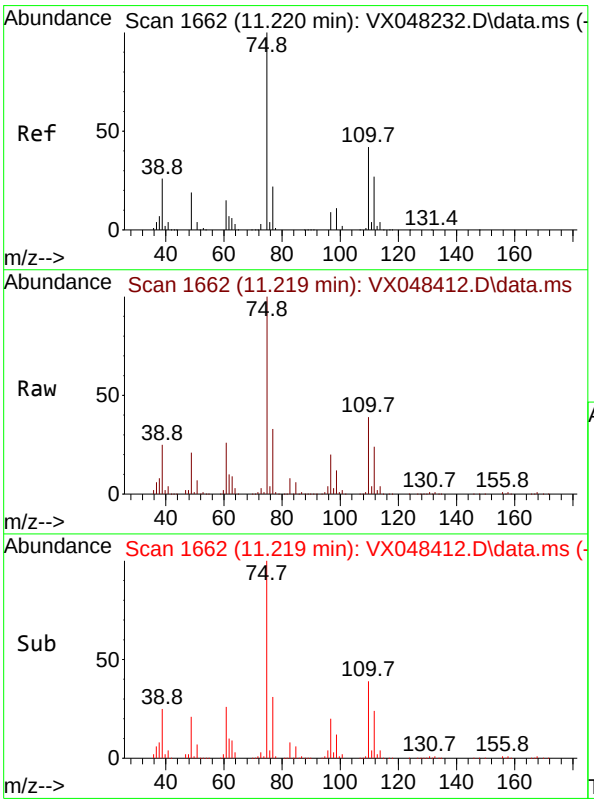
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.8	14.4
85	64.7	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

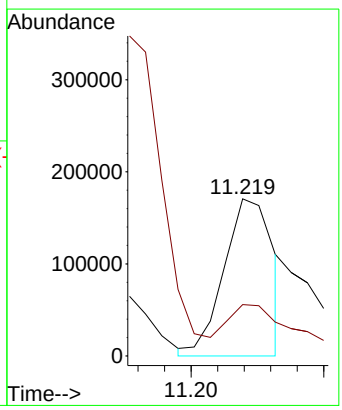
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

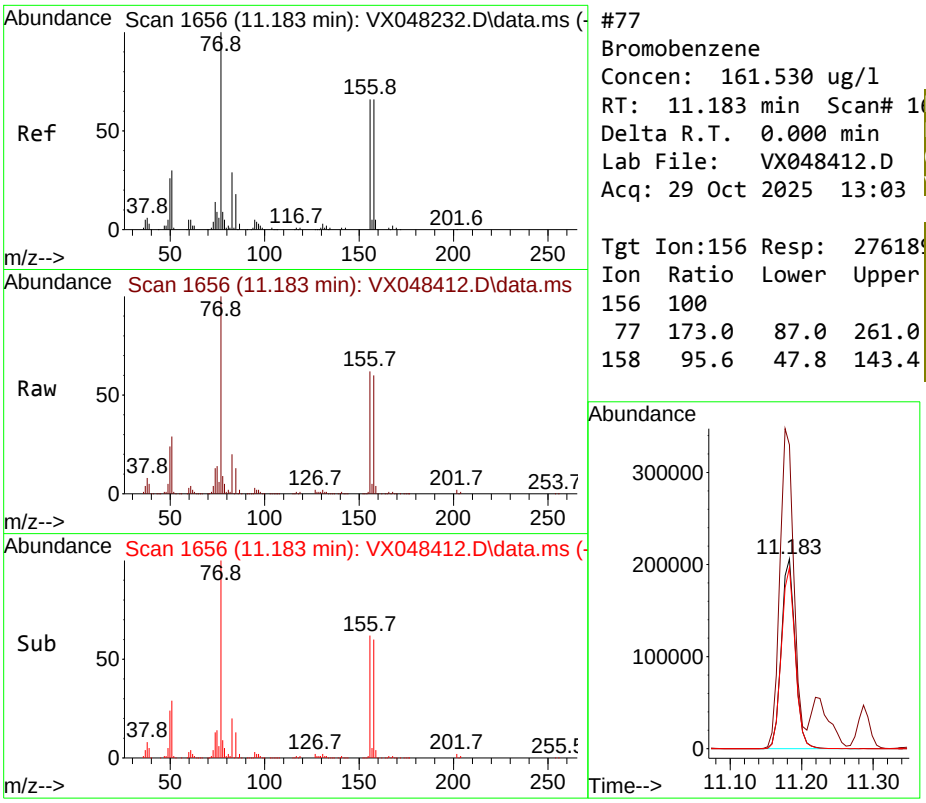


#76
1,2,3-Trichloropropane
Concen: 149.808 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 75 Resp: 218653

Ion	Ratio	Lower	Upper
75	100		
77	44.6	22.4	67.2





#77
Bromobenzene
Concen: 161.530 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

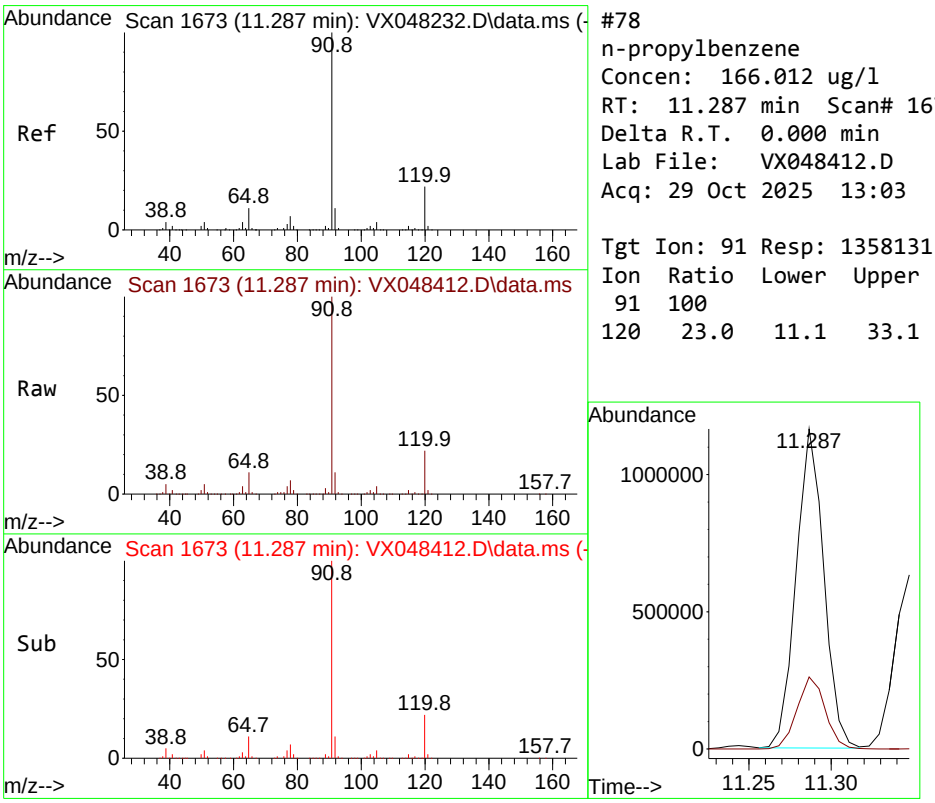
Tgt Ion:156 Resp: 27618

Ion	Ratio	Lower	Upper
156	100		
77	173.0	87.0	261.0
158	95.6	47.8	143.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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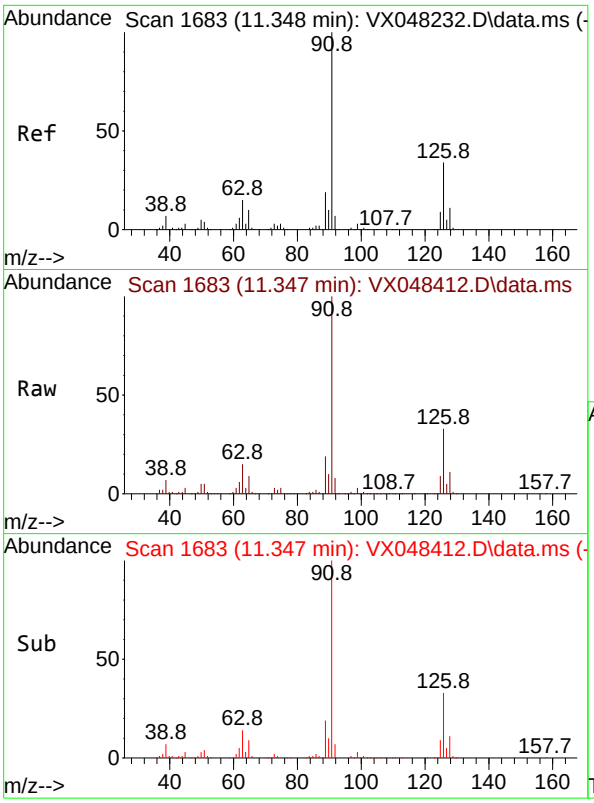
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#78
n-propylbenzene
Concen: 166.012 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 91 Resp: 1358131

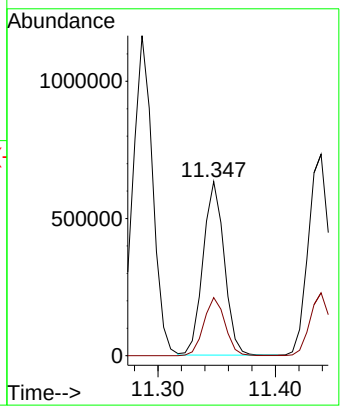
Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.1	33.1



#79
2-Chlorotoluene
Concen: 161.461 ug/l
RT: 11.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 91 Resp: 79306

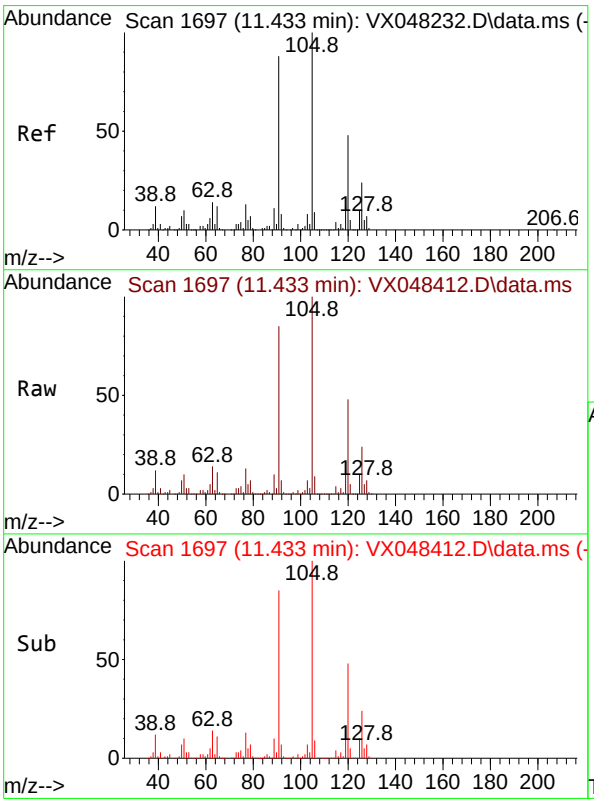
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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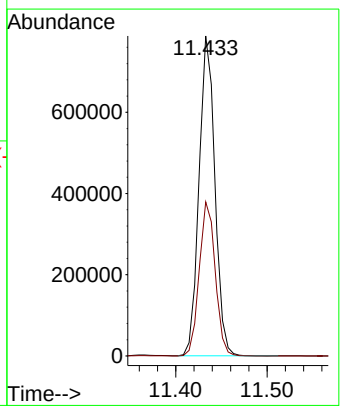
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

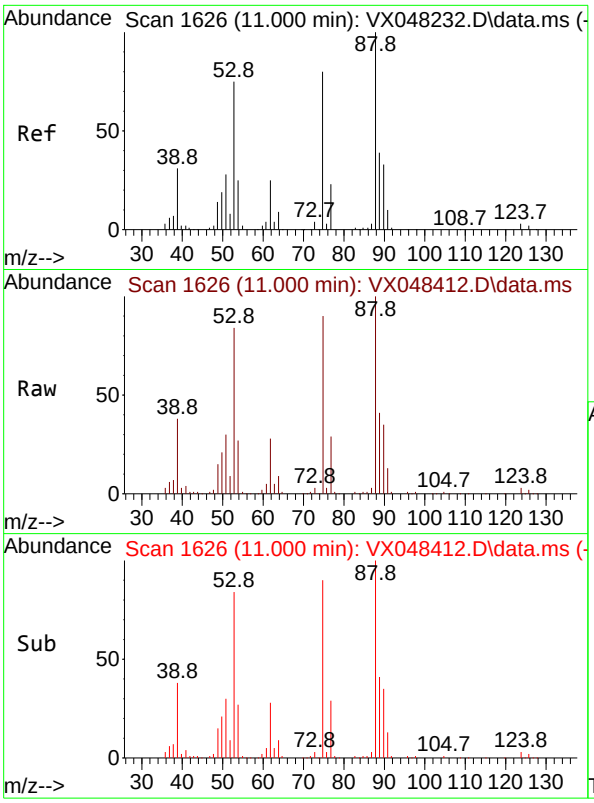


#80
1,3,5-Trimethylbenzene
Concen: 166.707 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:105 Resp: 945889

Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 164.688 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

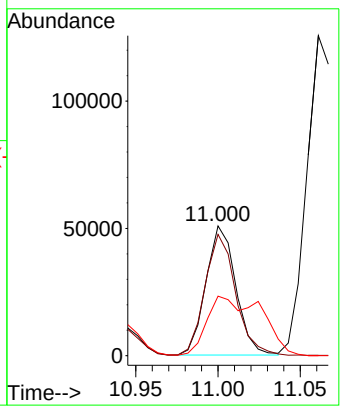
Tgt Ion: 75 Resp: 6404

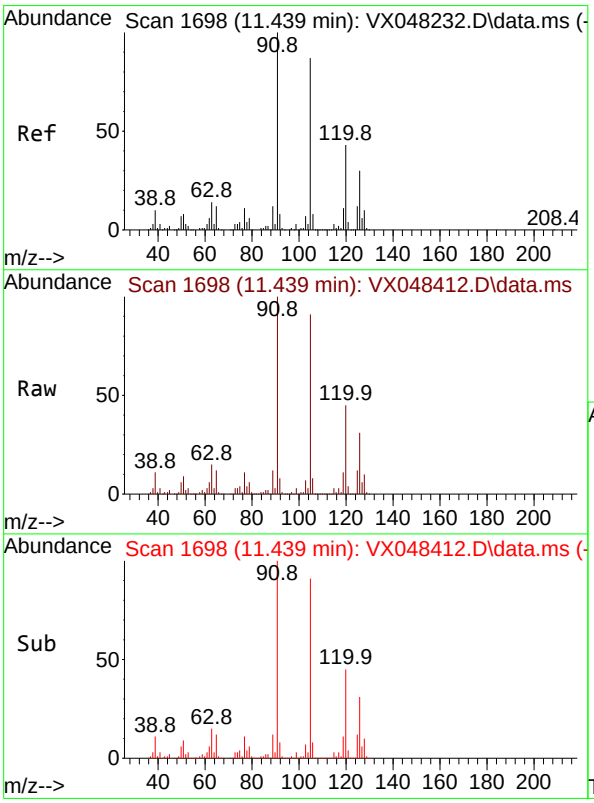
Ion	Ratio	Lower	Upper
75	100		
53	98.1	79.5	119.3
89	84.2	36.8	55.2#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

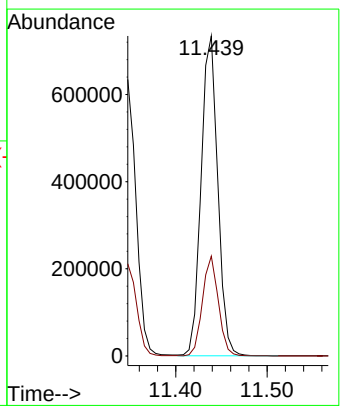


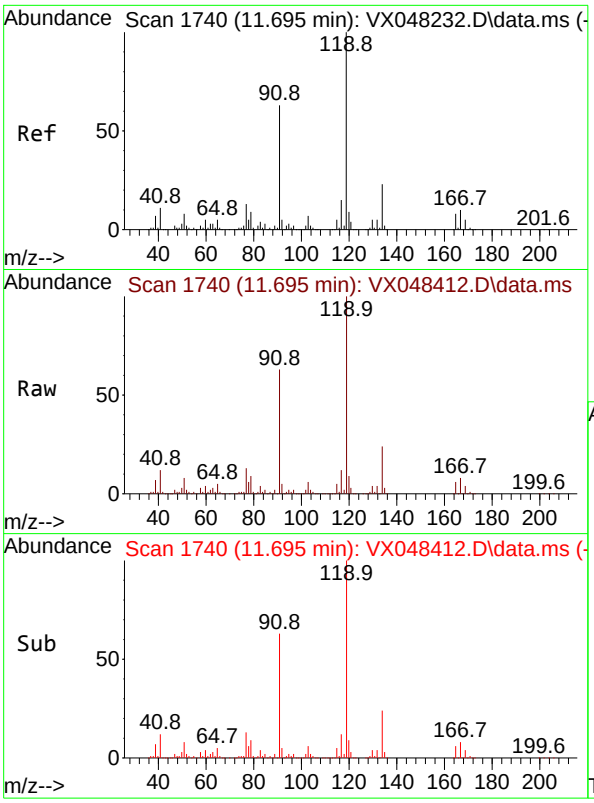


#82
4-Chlorotoluene
Concen: 160.417 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 91 Resp: 926294

Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.1	42.4

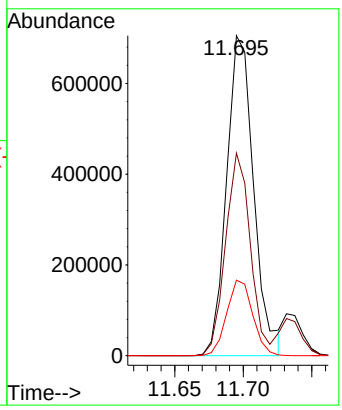




#83
tert-Butylbenzene
Concen: 168.135 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:119 Resp: 97121

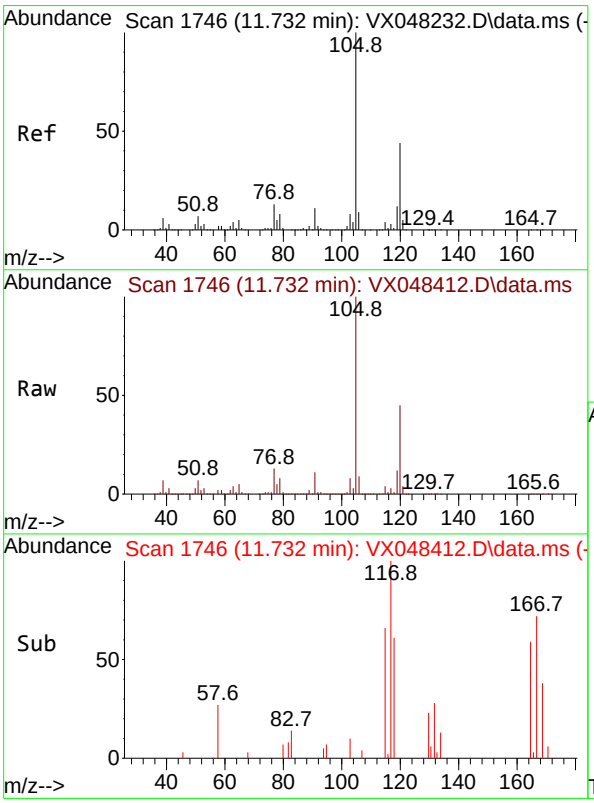
Ion	Ratio	Lower	Upper
119	100		
91	58.2	30.3	91.0
134	22.7	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

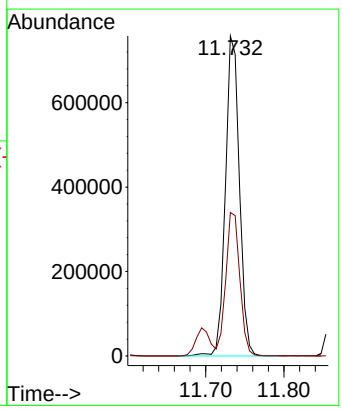
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

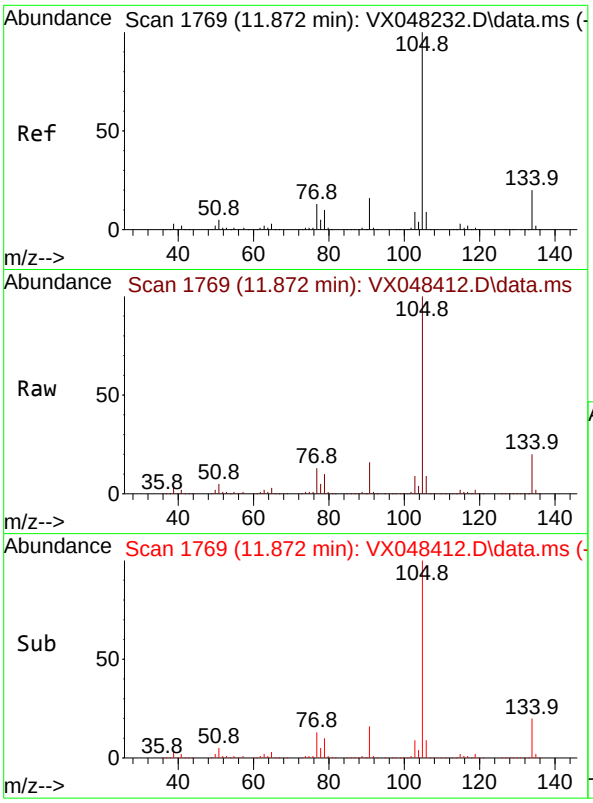


#84
1,2,4-Trimethylbenzene
Concen: 167.674 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:105 Resp: 941993

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.1	66.5

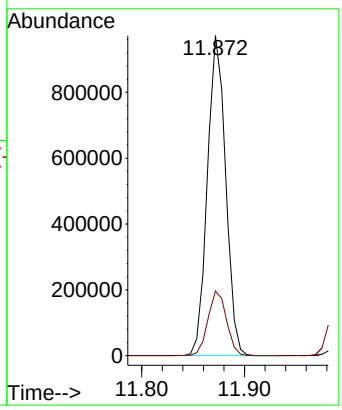




#85
sec-Butylbenzene
Concen: 166.771 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:105 Resp: 120034

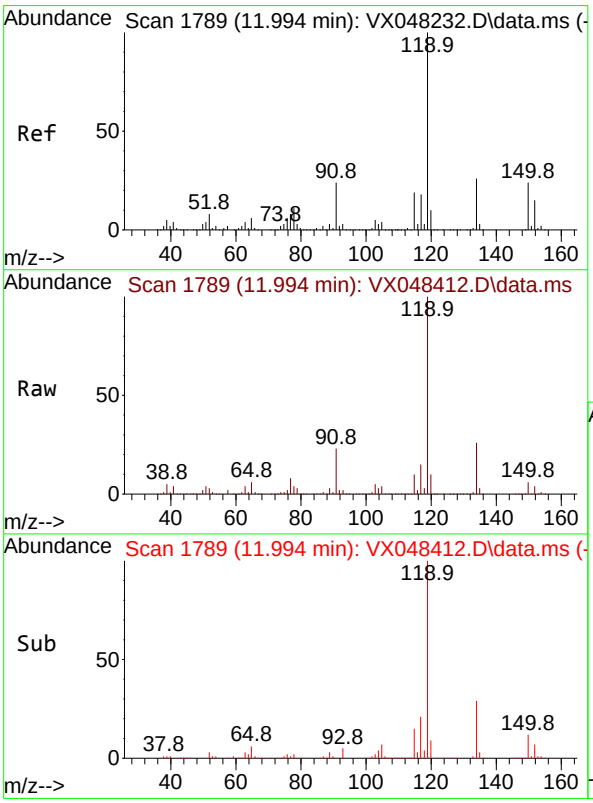
Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

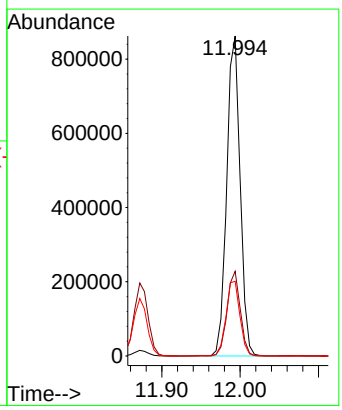
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

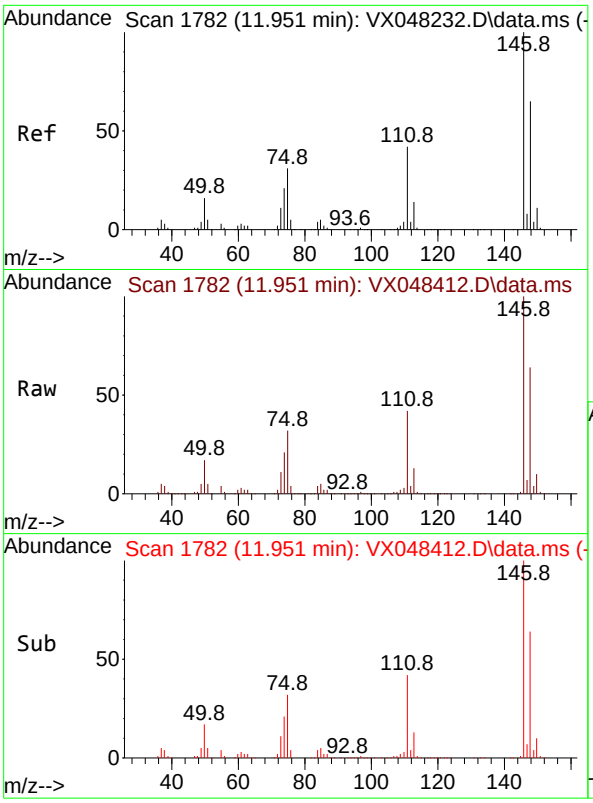


#86
p-Isopropyltoluene
Concen: 168.747 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:119 Resp: 1026794

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	24.3	12.1	36.3

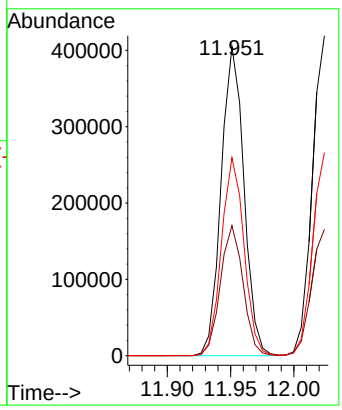




#87
1,3-Dichlorobenzene
Concen: 155.362 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:146 Resp: 50731

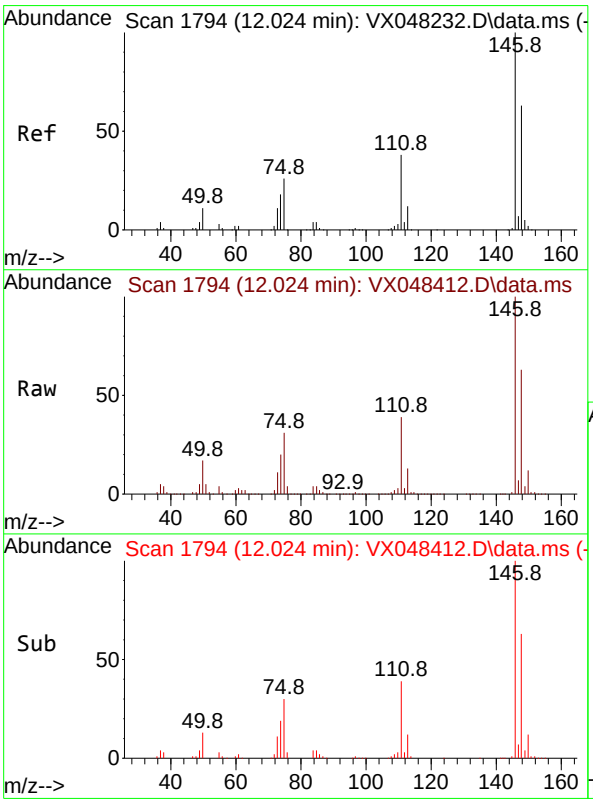
Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.2
148	63.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

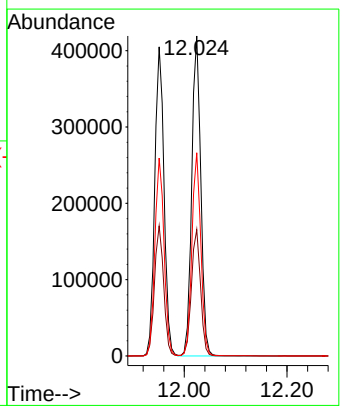
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

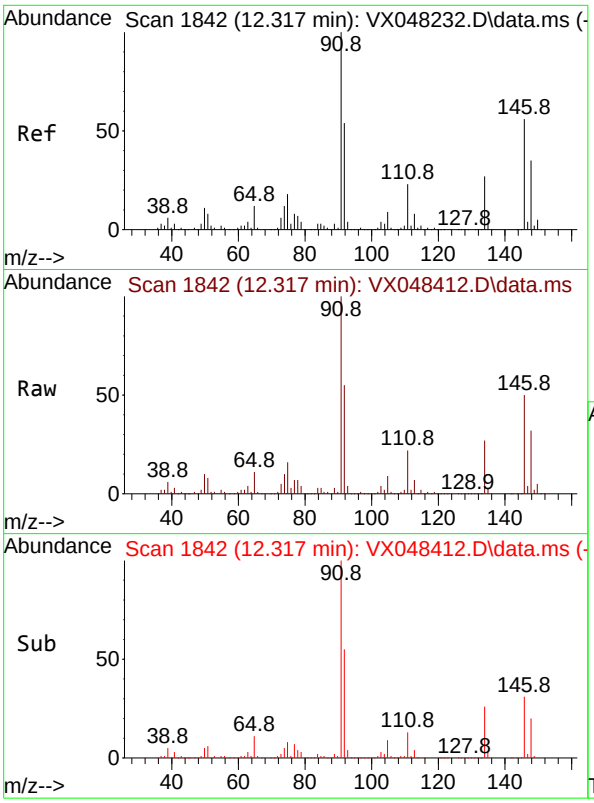


#88
1,4-Dichlorobenzene
Concen: 154.371 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:146 Resp: 513410

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	62.7	31.8	95.3

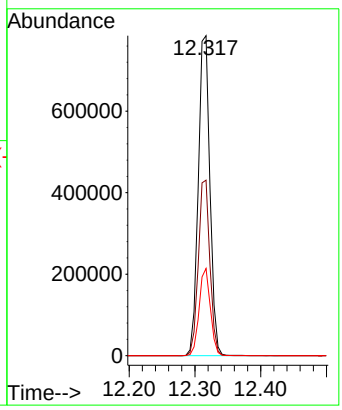




#89
n-Butylbenzene
Concen: 169.383 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 91 Resp: 96768

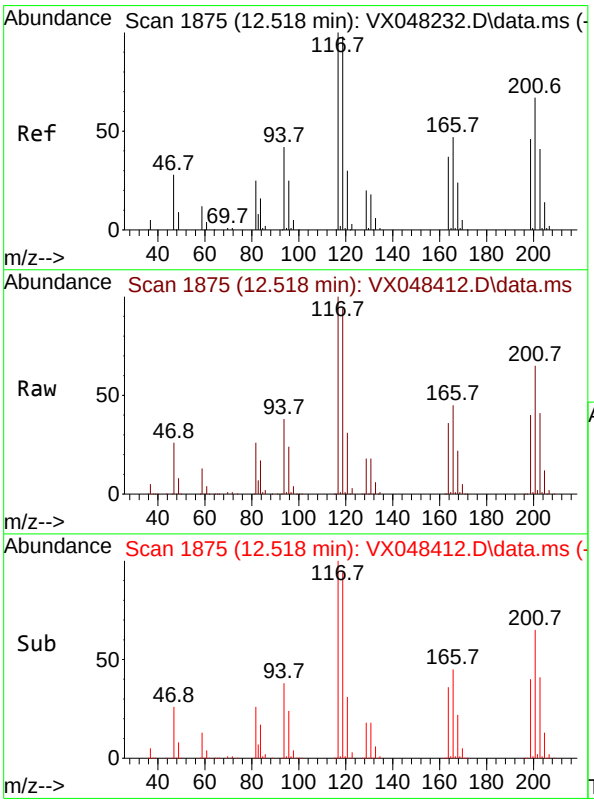
Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.9	80.6
134	26.3	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

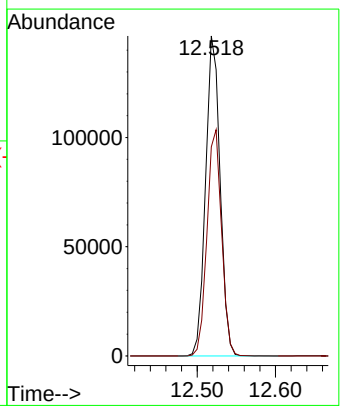
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

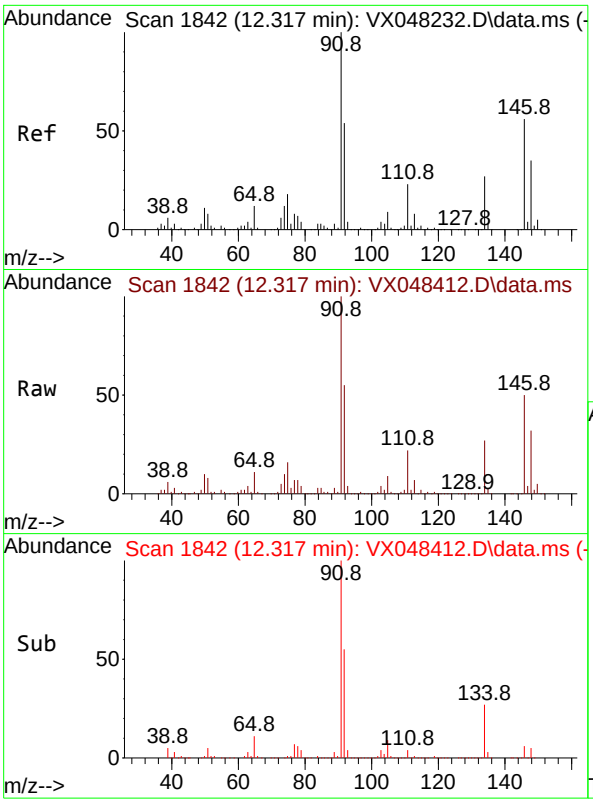


#90
Hexachloroethane
Concen: 175.757 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:117 Resp: 187919

Ion	Ratio	Lower	Upper
117	100		
201	71.2	34.1	102.2

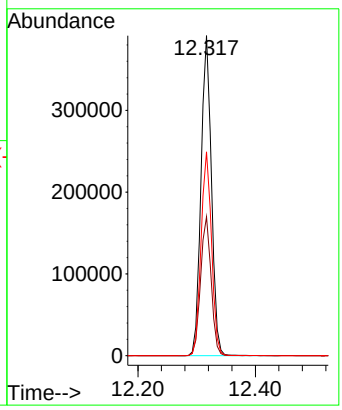




#91
1,2-Dichlorobenzene
Concen: 158.798 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:146 Resp: 48052

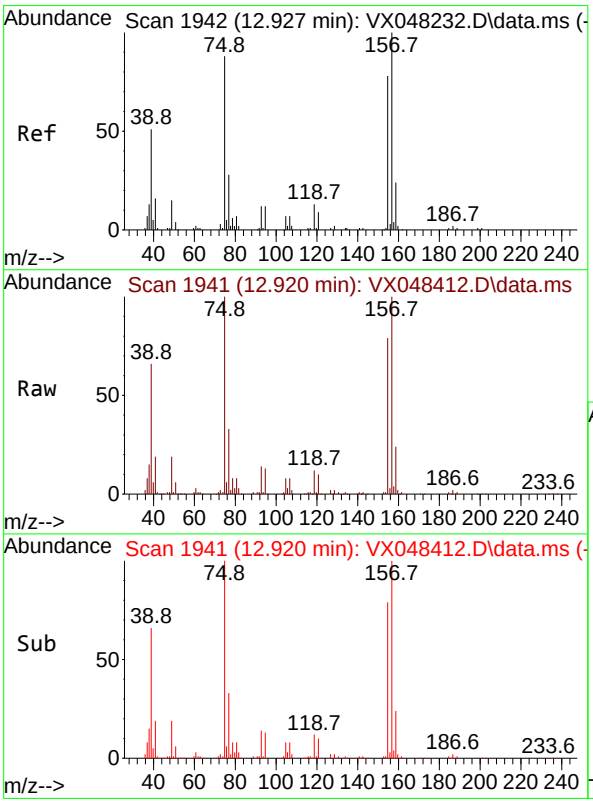
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.5
148	64.3	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

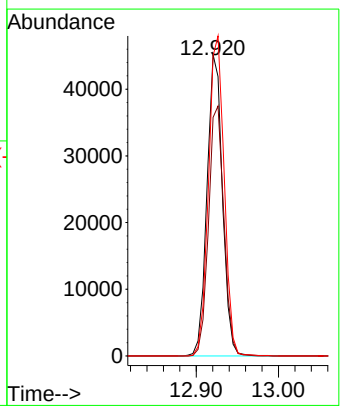
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

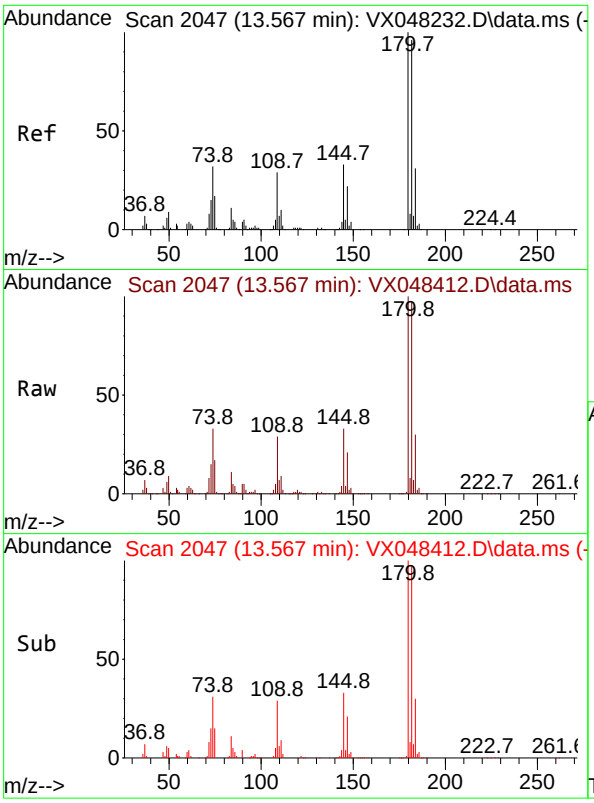


#92
1,2-Dibromo-3-Chloropropane
Concen: 171.570 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion: 75 Resp: 58903

Ion	Ratio	Lower	Upper
75	100		
155	82.6	42.8	128.4
157	107.7	54.2	162.6

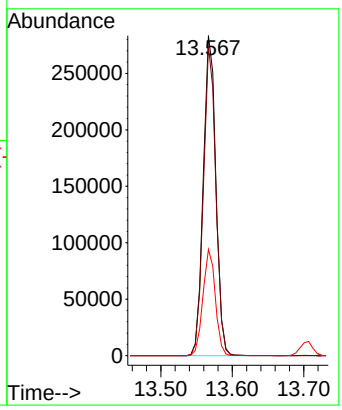




#93
1,2,4-Trichlorobenzene
Concen: 165.713 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:180 Resp: 34601

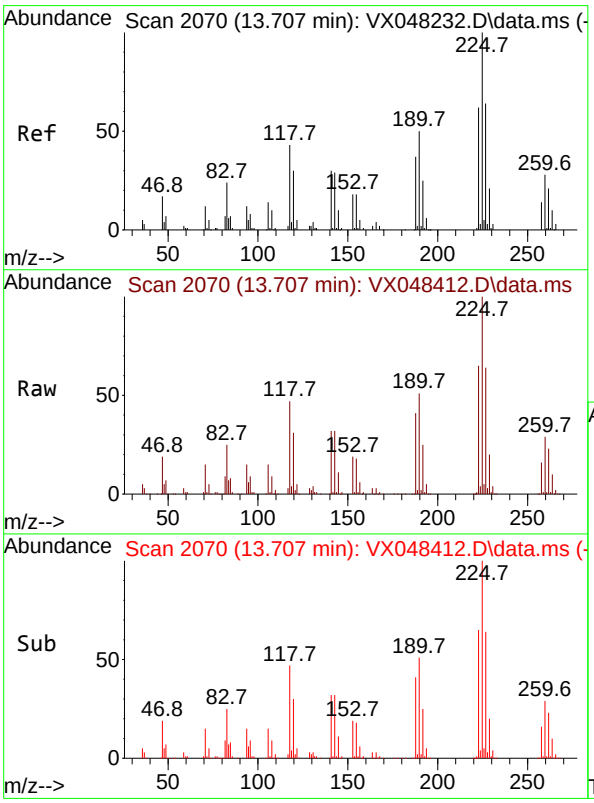
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	32.8	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

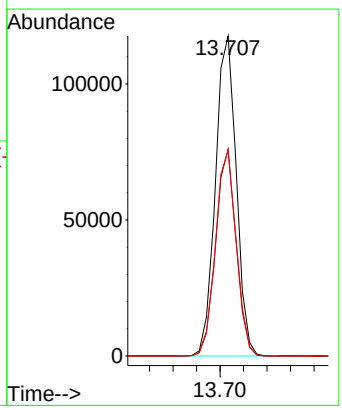
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

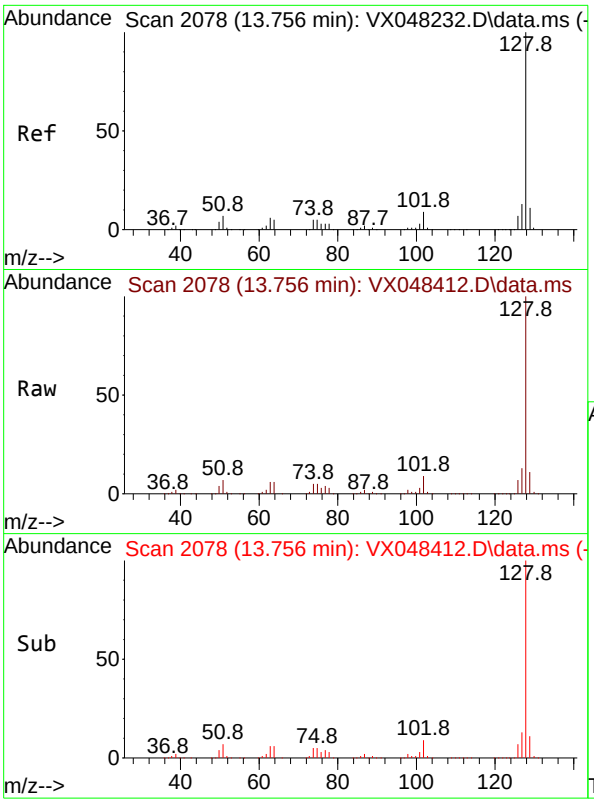


#94
Hexachlorobutadiene
Concen: 165.459 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:225 Resp: 144920

Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.6	97.7
227	63.9	32.5	97.4

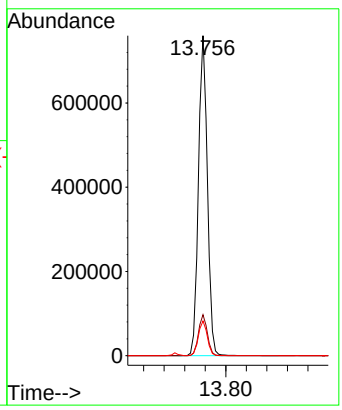




#95
Naphthalene
Concen: 173.781 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:128 Resp: 91644

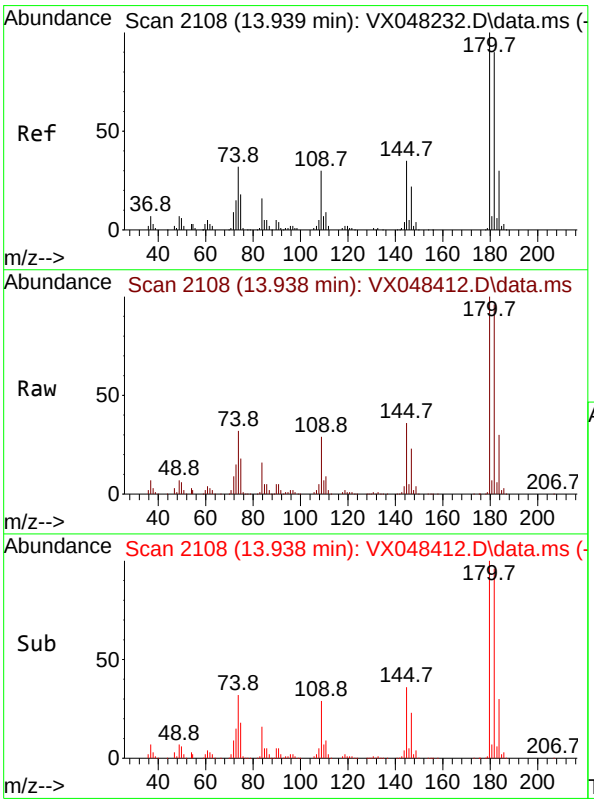
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

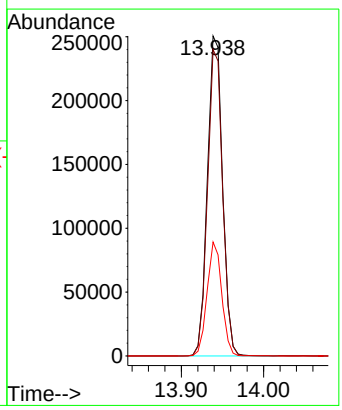
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 169.151 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048412.D
Acq: 29 Oct 2025 13:03

Tgt Ion:180 Resp: 320819

Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.6	139.7
145	34.5	16.9	50.7



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048414.D
Acq On : 29 Oct 2025 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:39:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	169033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	283921	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	120737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	113083	46.518	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.040%			
35) Dibromofluoromethane	5.361	113	75432	46.599	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.200%			
50) Toluene-d8	8.628	98	332571	46.543	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.080%			
62) 4-Bromofluorobenzene	11.061	95	121242	45.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	87826	50.937	ug/l	98
3) Chloromethane	1.300	50	49984	51.381	ug/l	100
4) Vinyl Chloride	1.380	62	113635	50.568	ug/l	100
5) Bromomethane	1.617	94	42740	52.651	ug/l	99
6) Chloroethane	1.691	64	65647	49.122	ug/l	97
7) Trichlorofluoromethane	1.892	101	172799	50.180	ug/l	98
8) Diethyl Ether	2.129	74	61387	49.323	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	96708	49.927	ug/l	97
10) Methyl Iodide	2.453	142	381375	48.964	ug/l	97
11) Tert butyl alcohol	2.928	59	42280	227.013	ug/l	100
12) 1,1-Dichloroethene	2.325	96	98107	49.864	ug/l	92
13) Acrolein	2.233	56	88198	226.874	ug/l	97
14) Allyl chloride	2.660	41	161876	48.584	ug/l	97
15) Acrylonitrile	3.050	53	203321	239.972	ug/l	98
16) Acetone	2.367	43	128407	233.060	ug/l	100
17) Carbon Disulfide	2.514	76	285049	50.529	ug/l	100
18) Methyl Acetate	2.690	43	82047	44.525	ug/l	95
19) Methyl tert-butyl Ether	3.099	73	305066	48.420	ug/l	100
20) Methylene Chloride	2.782	84	104451	49.180	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	103065	49.318	ug/l	99
22) Diisopropyl ether	3.745	45	343340	50.345	ug/l	86
23) Vinyl Acetate	3.702	43	1149068	247.515	ug/l	98
24) 1,1-Dichloroethane	3.599	63	190850	49.311	ug/l	99
25) 2-Butanone	4.525	43	205140	233.069	ug/l	98
26) 2,2-Dichloropropane	4.458	77	161320	48.409	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	123416	49.483	ug/l	98
28) Bromochloromethane	4.873	49	87699	49.998	ug/l	94
29) Tetrahydrofuran	4.970	42	140040	223.415	ug/l	96
30) Chloroform	5.068	83	191447	48.085	ug/l	96
31) Cyclohexane	5.452	56	164771	49.045	ug/l	91
32) 1,1,1-Trichloroethane	5.361	97	172962	49.209	ug/l	100
36) 1,1-Dichloropropene	5.672	75	134675	49.543	ug/l	100
37) Ethyl Acetate	4.684	43	108329	46.775	ug/l	97
38) Carbon Tetrachloride	5.653	117	150439	47.932	ug/l	95
39) Methylcyclohexane	7.360	83	169550	48.502	ug/l	96
40) Benzene	6.013	78	405701	48.853	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048414.D
Acq On : 29 Oct 2025 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:39:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	55528	47.600	ug/l		96
42) 1,2-Dichloroethane	6.062	62	140522	48.040	ug/l		99
43) Isopropyl Acetate	6.312	43	178752	46.749	ug/l		97
44) Trichloroethene	7.104	130	105821	48.636	ug/l		99
45) 1,2-Dichloropropane	7.409	63	99046	47.756	ug/l		97
46) Dibromomethane	7.561	93	69810	48.082	ug/l		97
47) Bromodichloromethane	7.799	83	150891	48.913	ug/l		98
48) Methyl methacrylate	7.671	41	90239	48.394	ug/l		96
49) 1,4-Dioxane	7.635	88	20720	977.625	ug/l		92
51) 4-Methyl-2-Pentanone	8.549	43	485001	227.914	ug/l		96
52) Toluene	8.701	92	252888	48.734	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	139347	49.836	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	148316	49.233	ug/l		94
55) 1,1,2-Trichloroethane	9.134	97	89132	47.464	ug/l		97
56) Ethyl methacrylate	9.098	69	133617	48.593	ug/l		97
57) 1,3-Dichloropropane	9.287	76	154729	47.520	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	360689	221.341	ug/l		97
59) 2-Hexanone	9.409	43	323151	233.382	ug/l		98
60) Dibromochloromethane	9.500	129	111965	48.209	ug/l		100
61) 1,2-Dibromoethane	9.592	107	91354	47.024	ug/l		100
64) Tetrachloroethene	9.256	164	95139	47.723	ug/l		95
65) Chlorobenzene	10.061	112	276902	48.554	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	97283	50.149	ug/l		99
67) Ethyl Benzene	10.177	91	483137	50.314	ug/l		98
68) m/p-Xylenes	10.280	106	364180	100.167	ug/l		97
69) o-Xylene	10.622	106	174961	50.358	ug/l		96
70) Styrene	10.634	104	297560	50.557	ug/l		99
71) Bromoform	10.780	173	66125	47.120	ug/l	#	99
73) Isopropylbenzene	10.945	105	452795	50.703	ug/l		99
74) N-amyl acetate	10.823	43	158286	49.685	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.195	83	105640	46.702	ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	87607m	50.455	ug/l		
77) Bromobenzene	11.177	156	107639	48.794	ug/l		97
78) n-propylbenzene	11.286	91	532087	50.412	ug/l		98
79) 2-Chlorotoluene	11.341	91	312464	49.307	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	370047	50.550	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	25014	49.854	ug/l	#	80
82) 4-Chlorotoluene	11.433	91	368839	49.510	ug/l		98
83) tert-Butylbenzene	11.695	119	368966	49.509	ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	376695	51.971	ug/l		99
85) sec-Butylbenzene	11.872	105	465581	50.138	ug/l		99
86) p-Isopropyltoluene	11.987	119	400026	50.956	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	201043	47.721	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	200104	46.635	ug/l		98
89) n-Butylbenzene	12.311	91	362152	49.134	ug/l		98
90) Hexachloroethane	12.518	117	69400	50.310	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	187978	48.150	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	20591	46.487	ug/l		96
93) 1,2,4-Trichlorobenzene	13.566	180	131117	48.671	ug/l		100
94) Hexachlorobutadiene	13.707	225	54839	48.529	ug/l		97
95) Naphthalene	13.755	128	331522	48.726	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	118602	48.468	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048414.D
Acq On : 29 Oct 2025 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:39:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 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

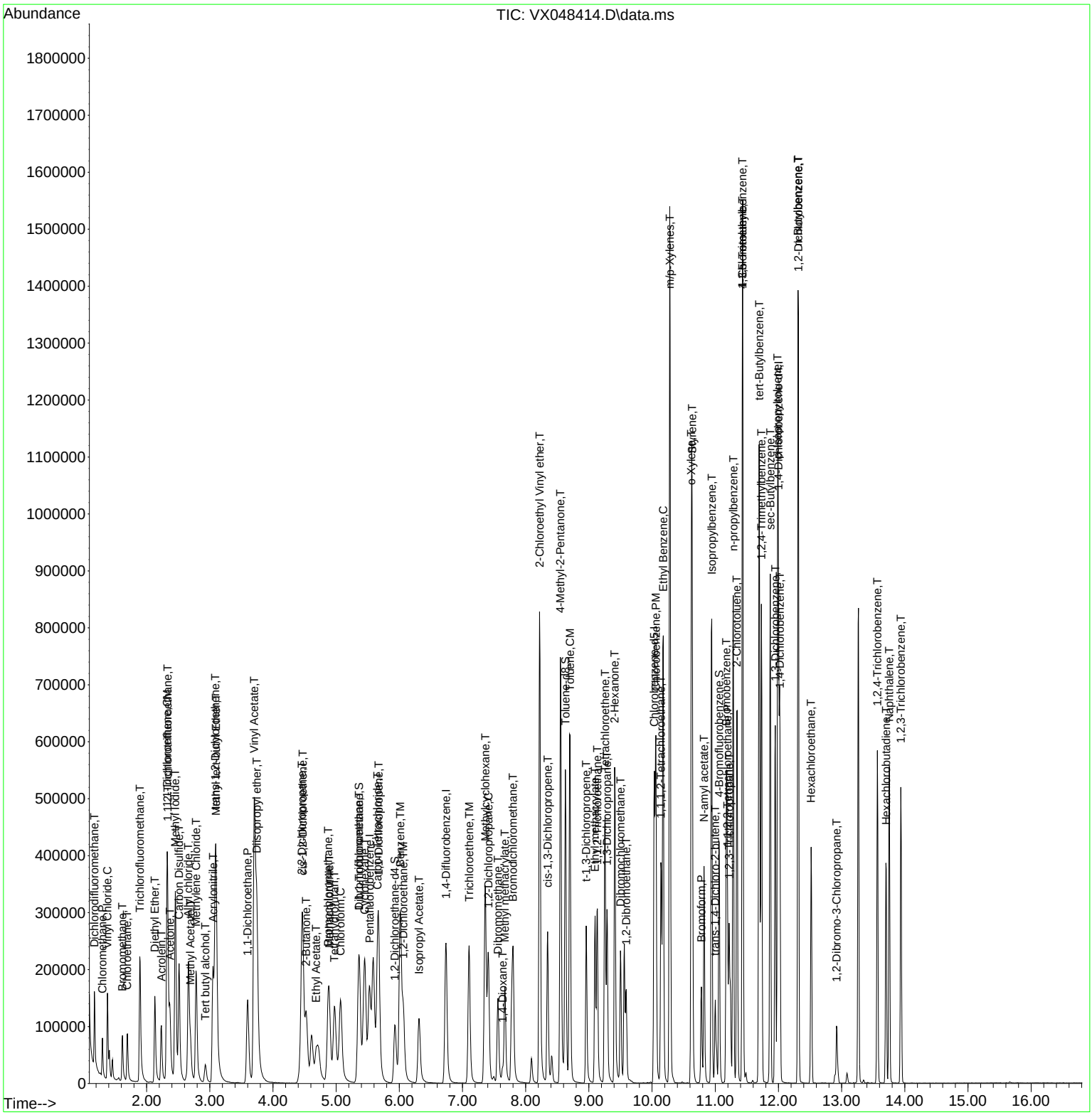
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Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

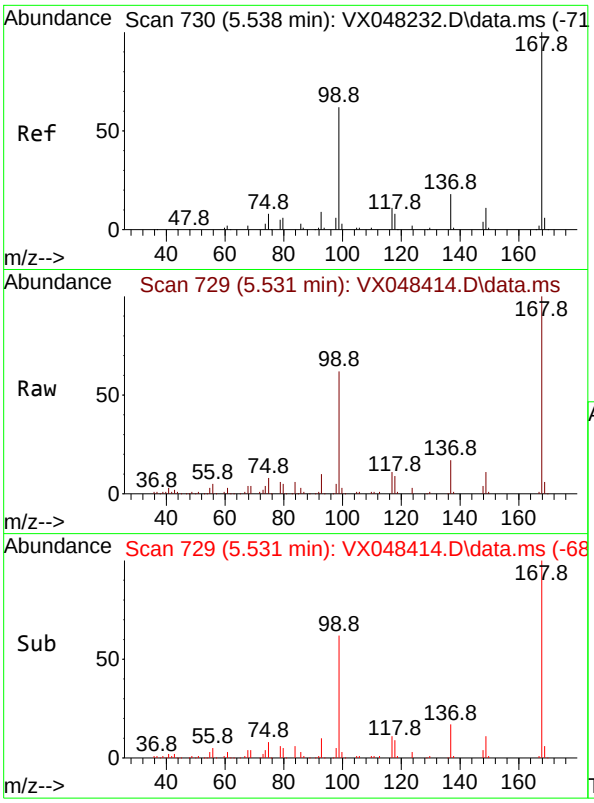
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

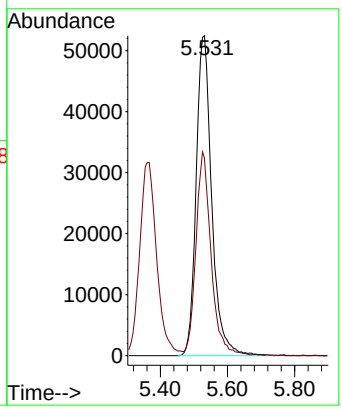




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:168 Resp: 16903

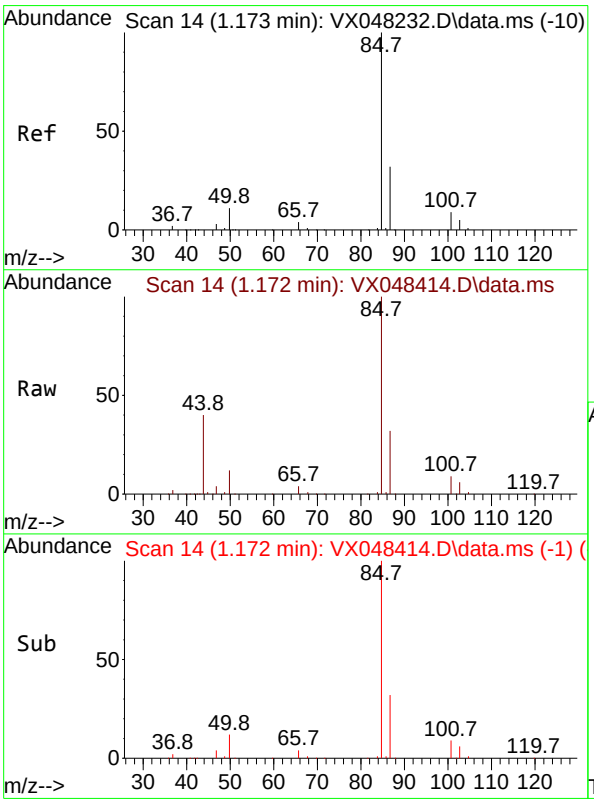
Ion	Ratio	Lower	Upper
168	100		
99	61.8	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

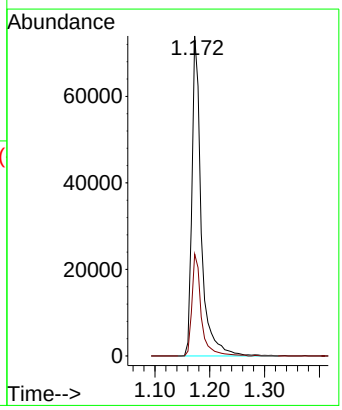
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

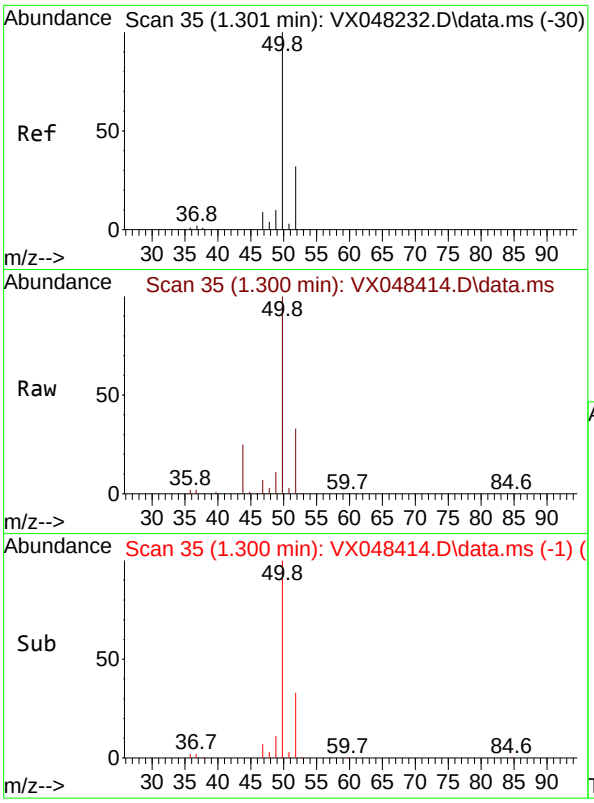


#2
Dichlorodifluoromethane
Concen: 50.937 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 85 Resp: 87826

Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.3	45.9

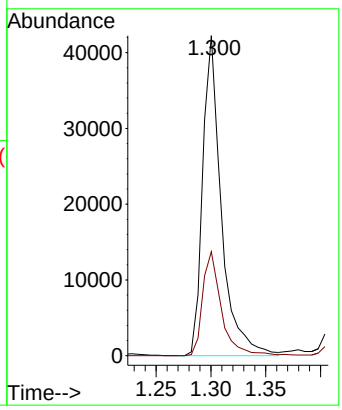




#3
Chloromethane
Concen: 51.381 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 50 Resp: 4998

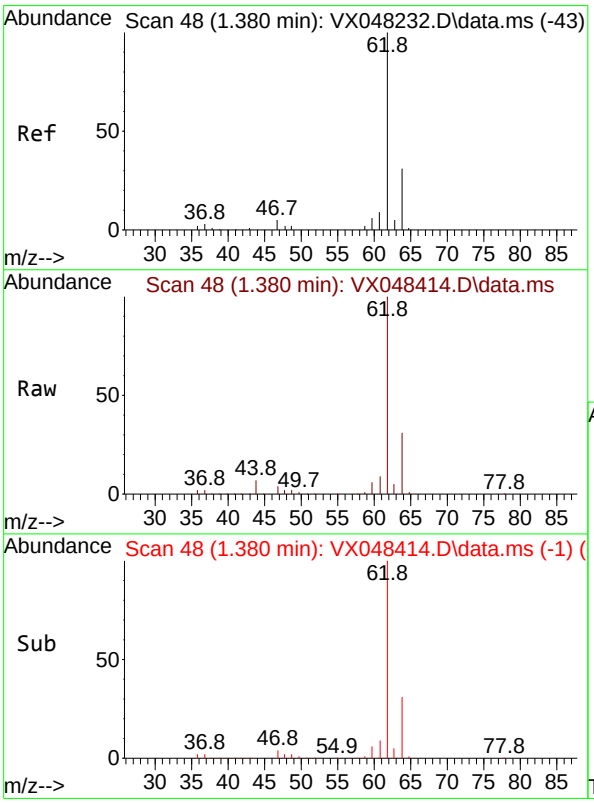
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

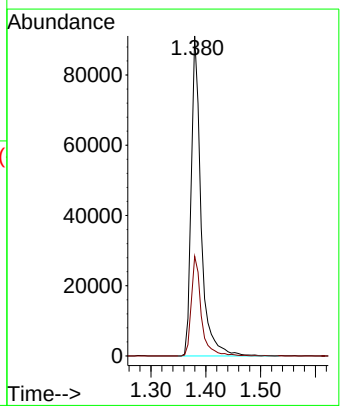
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

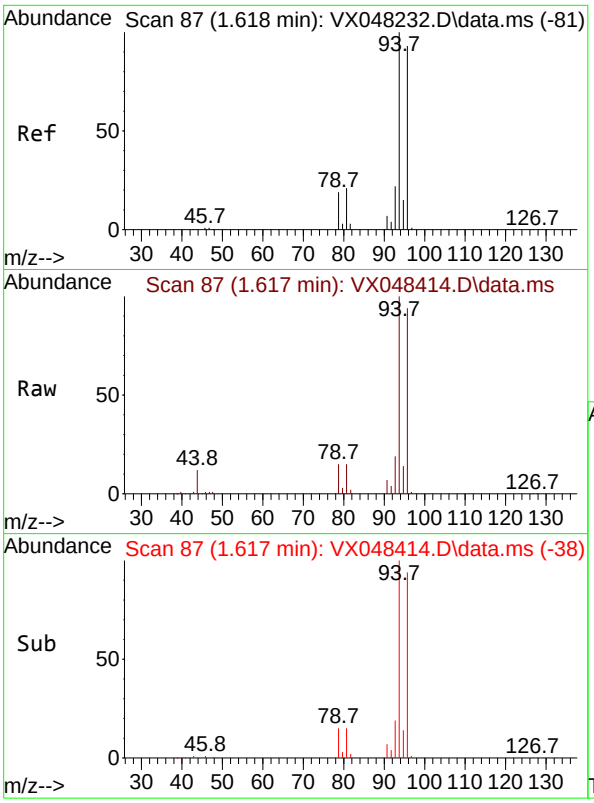


#4
Vinyl Chloride
Concen: 50.568 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 62 Resp: 113635

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.1	37.7

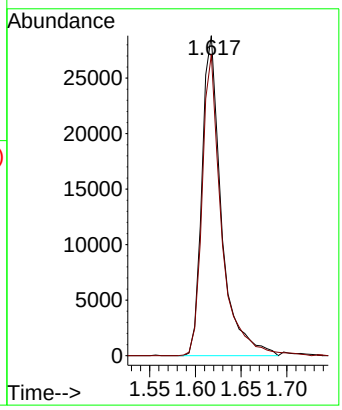




#5
Bromomethane
Concen: 52.651 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 94 Resp: 4274

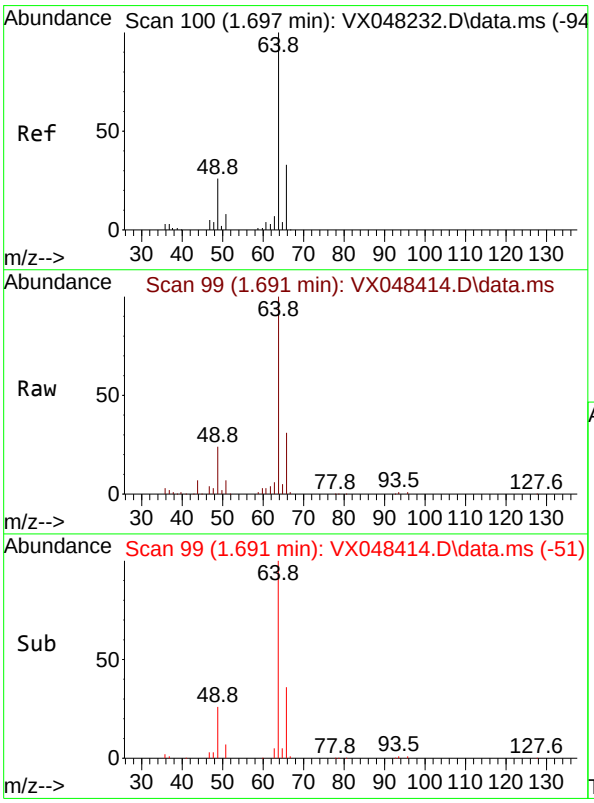
Ion	Ratio	Lower	Upper
94	100		
96	94.1	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

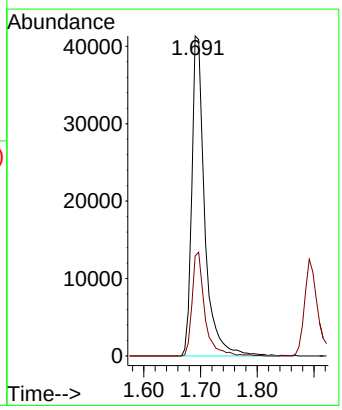
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

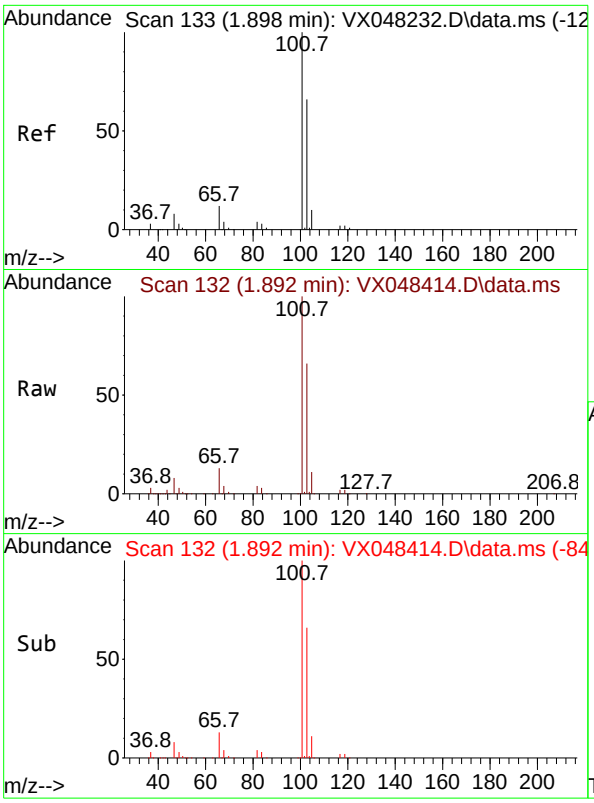


#6
Chloroethane
Concen: 49.122 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 64 Resp: 65647

Ion	Ratio	Lower	Upper
64	100		
66	31.3	23.9	35.9

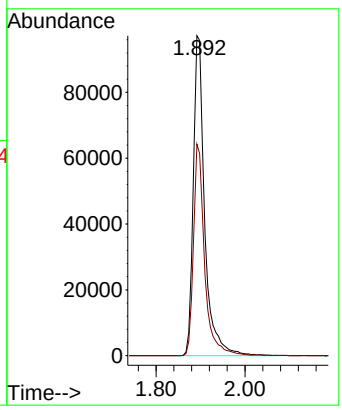




#7
Trichlorofluoromethane
Concen: 50.180 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:101 Resp: 17279

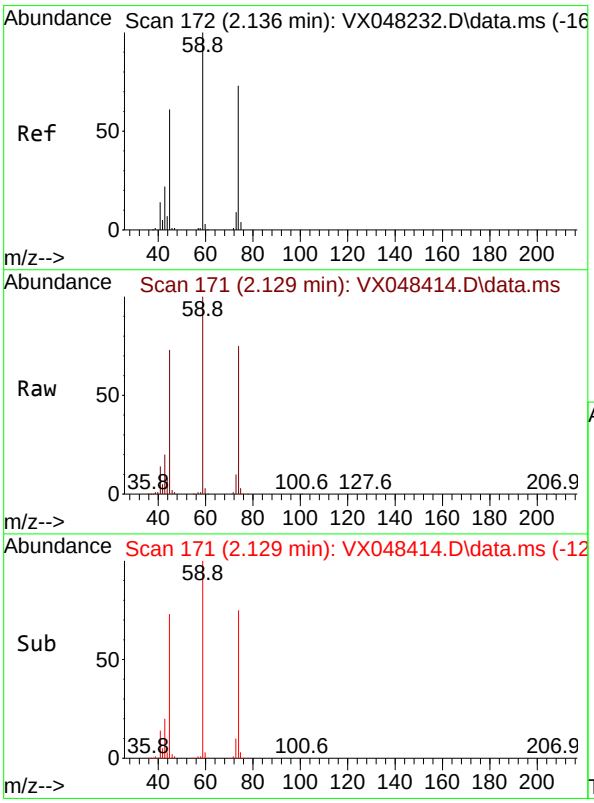
Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

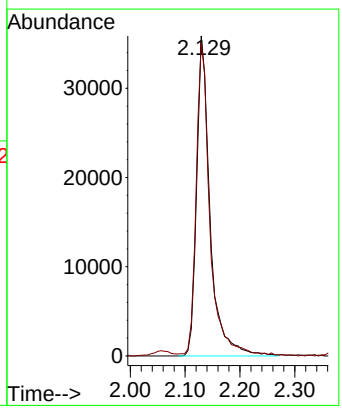
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

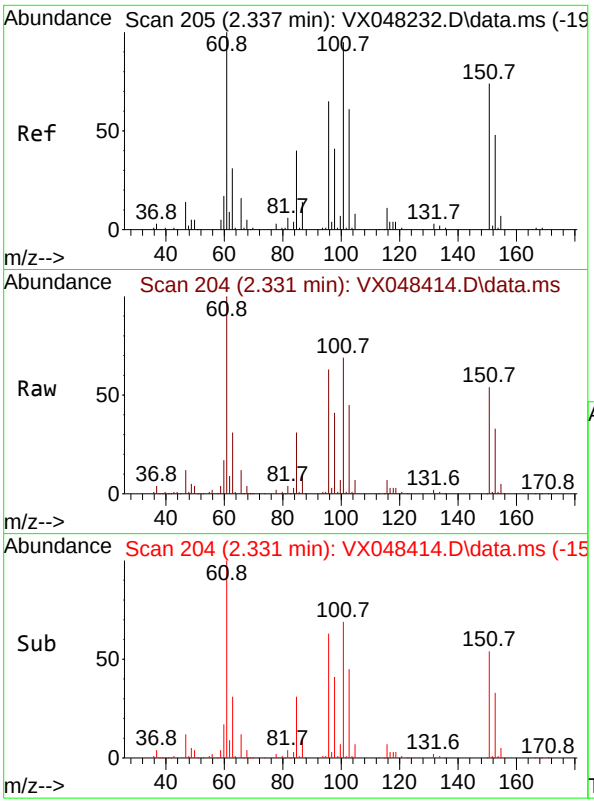


#8
Diethyl Ether
Concen: 49.323 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 74 Resp: 61387

Ion	Ratio	Lower	Upper
74	100		
45	100.8	50.0	149.8

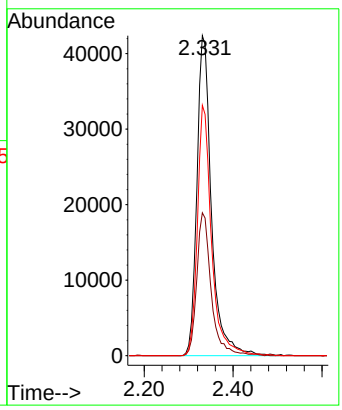




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.927 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:101 Resp: 9670

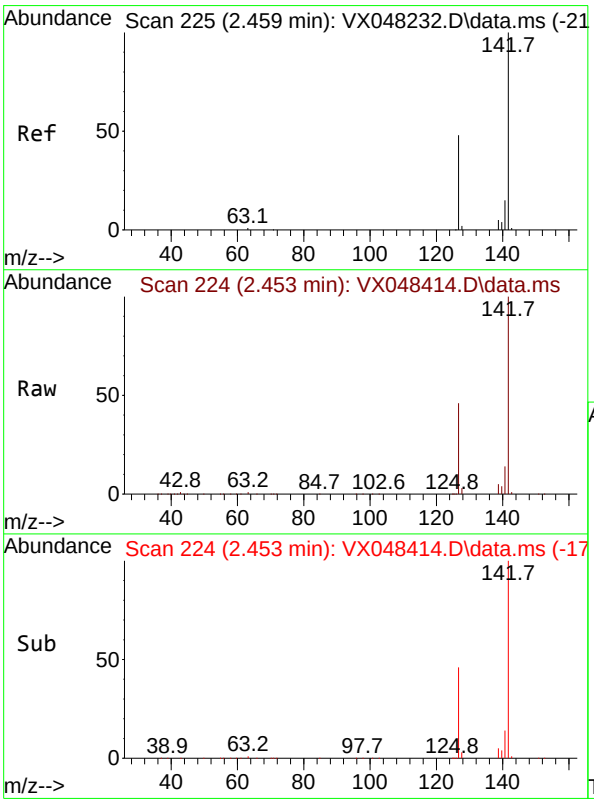
Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.6	53.4
151	76.1	58.0	87.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

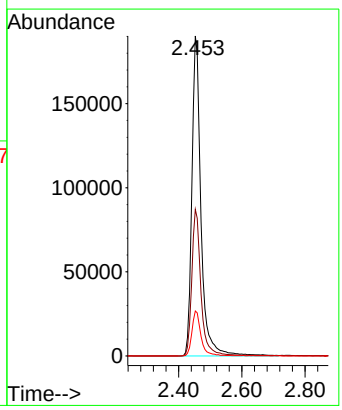
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

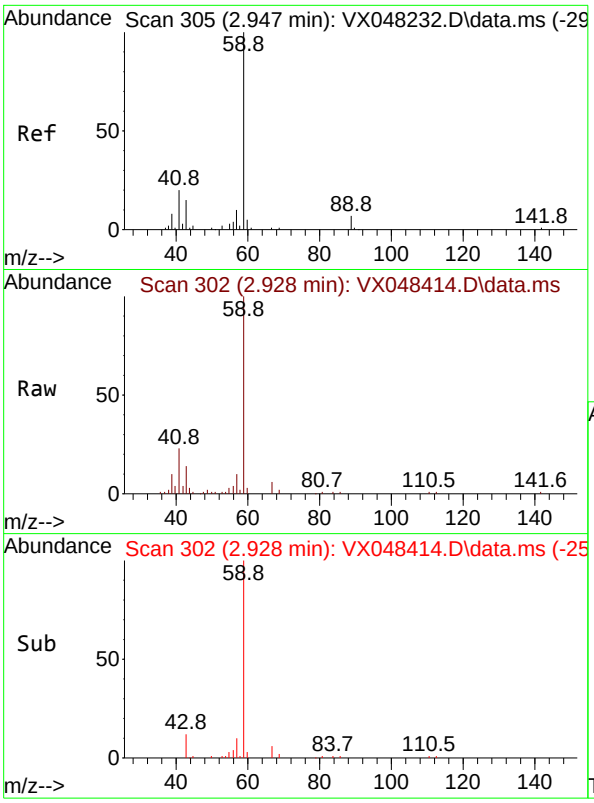


#10
Methyl Iodide
Concen: 48.964 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:142 Resp: 381375

Ion	Ratio	Lower	Upper
142	100		
127	46.0	38.5	57.7
141	14.0	11.6	17.4

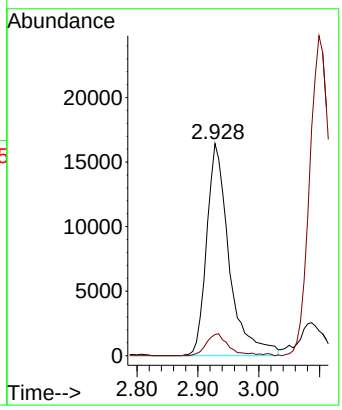




#11
Tert butyl alcohol
Concen: 227.013 ug/l
RT: 2.928 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 59 Resp: 4228

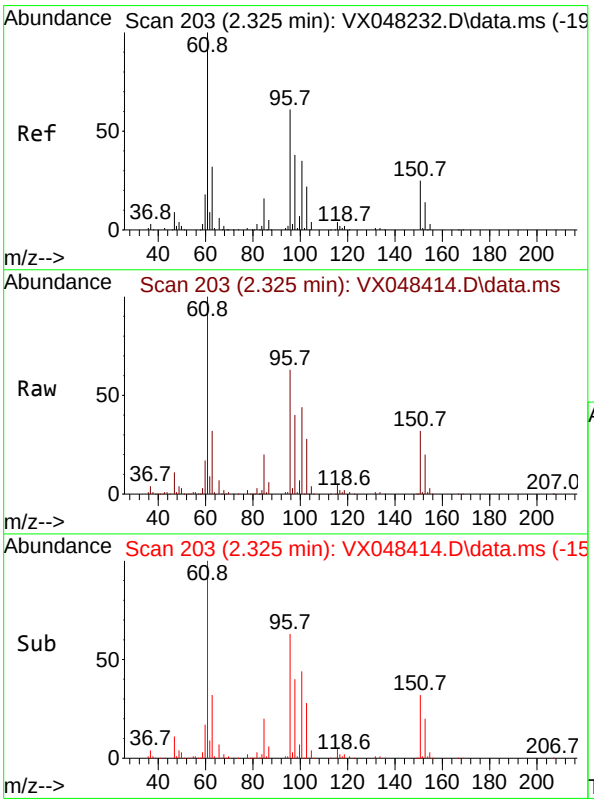
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

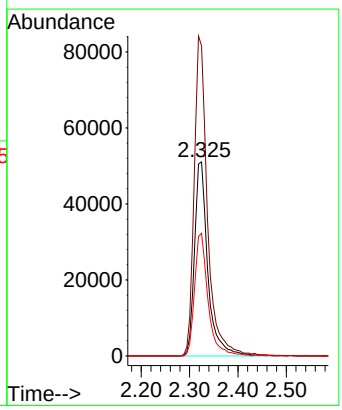
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

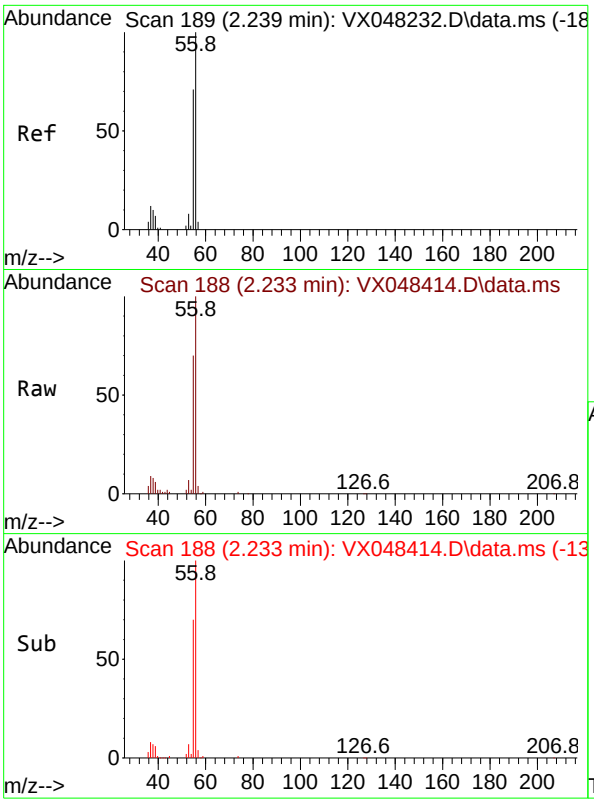


#12
1,1-Dichloroethene
Concen: 49.864 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 96 Resp: 98107

Ion	Ratio	Lower	Upper
96	100		
61	159.8	139.0	208.6
98	63.1	52.4	78.6

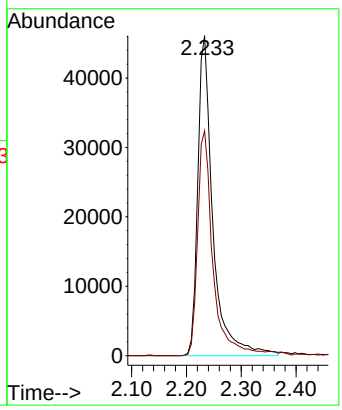




#13
Acrolein
Concen: 226.874 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 56 Resp: 8819

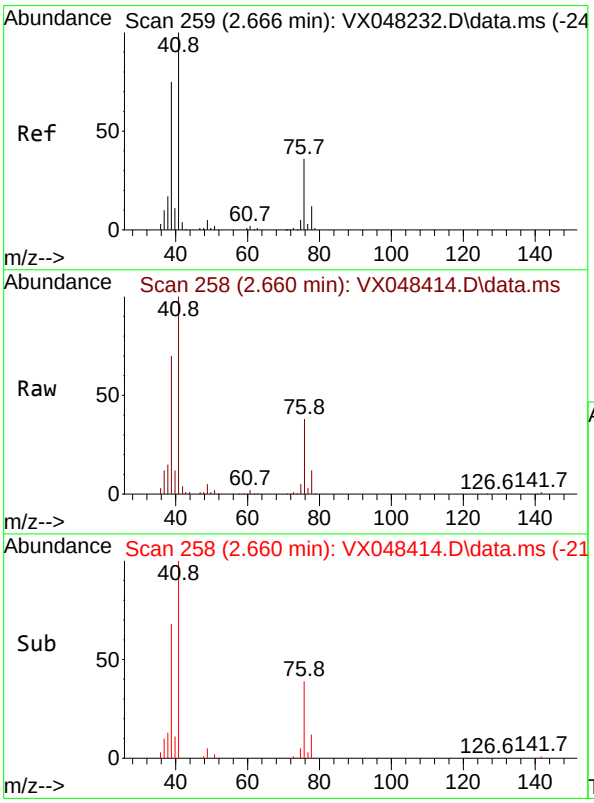
Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

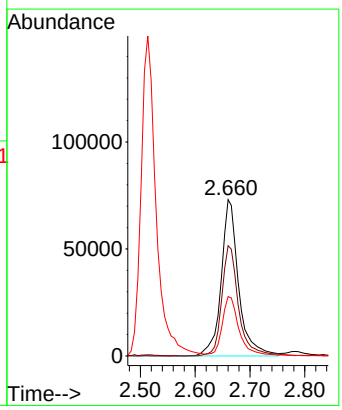
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

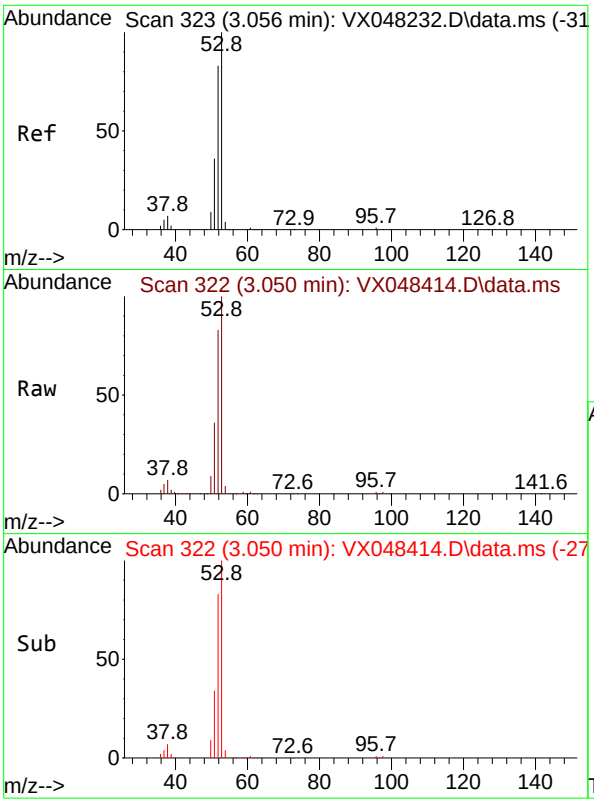


#14
Allyl chloride
Concen: 48.584 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 41 Resp: 161876

Ion	Ratio	Lower	Upper
41	100		
39	68.4	56.0	84.0
76	36.8	27.5	41.3

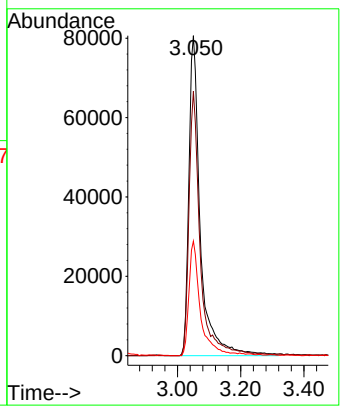




#15
Acrylonitrile
Concen: 239.972 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 53 Resp: 20332

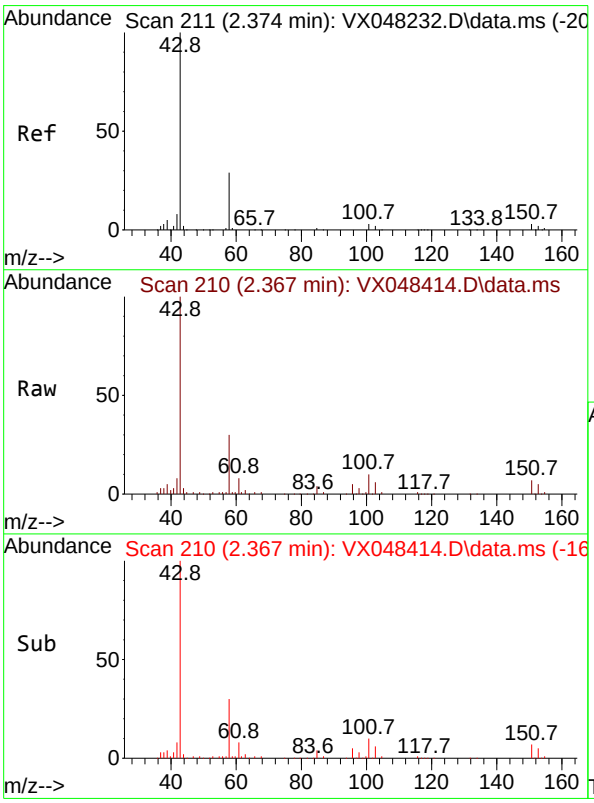
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.1	99.1
51	35.5	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

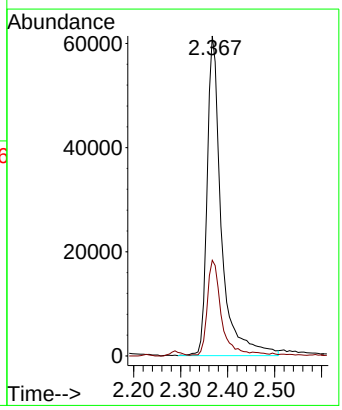
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

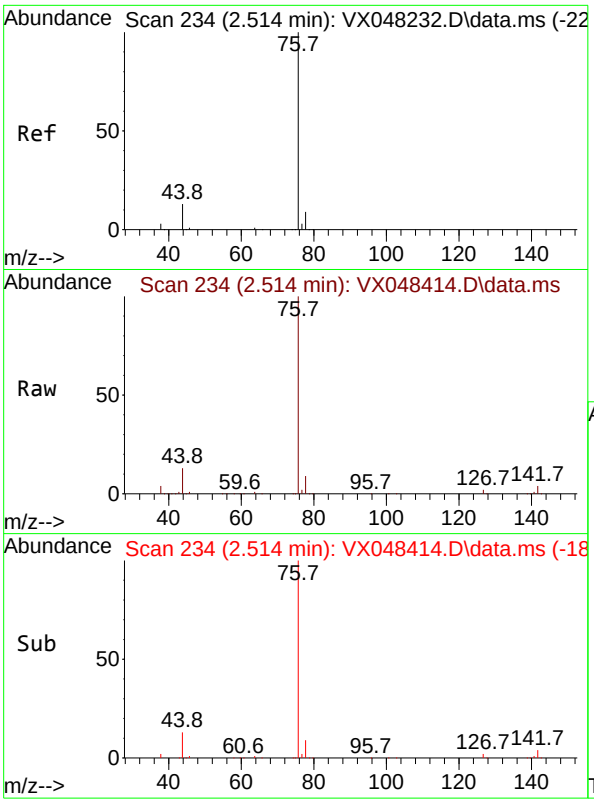


#16
Acetone
Concen: 233.060 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 43 Resp: 128407

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.4	35.2

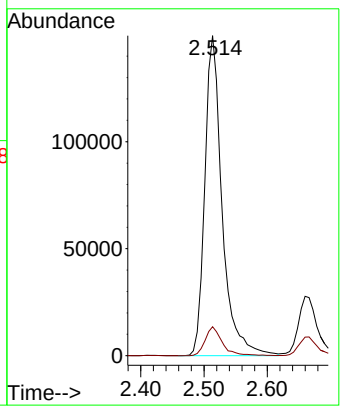




#17
Carbon Disulfide
Concen: 50.529 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 76 Resp: 28504

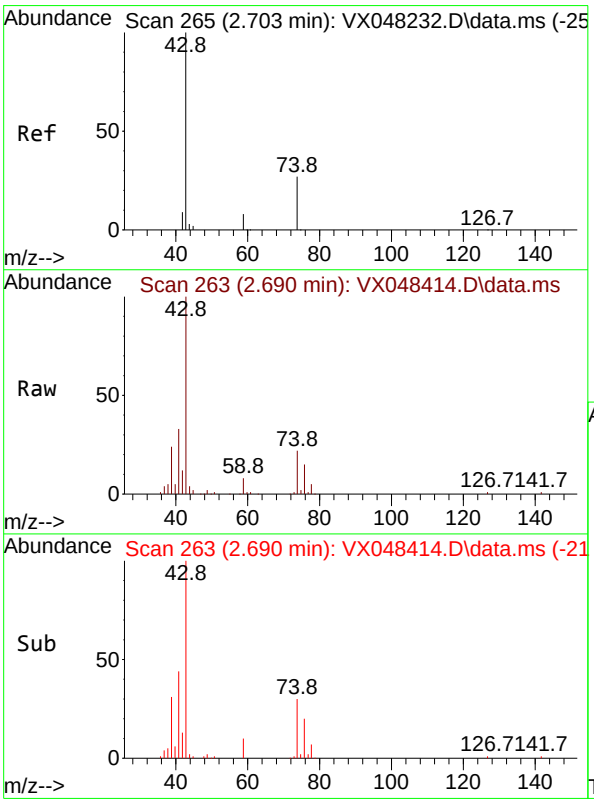
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

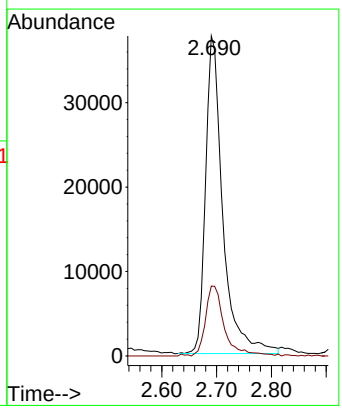
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

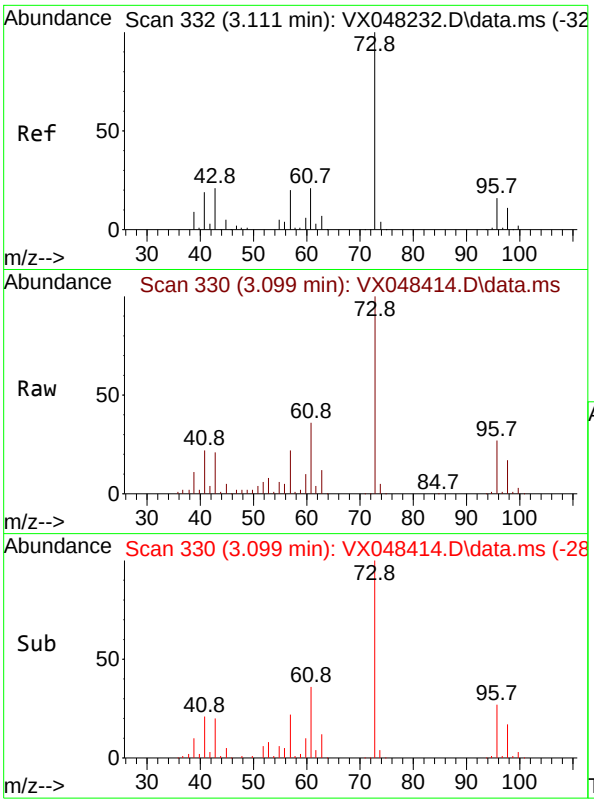


#18
Methyl Acetate
Concen: 44.525 ug/l
RT: 2.690 min Scan# 263
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 43 Resp: 82047

Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.5	26.3

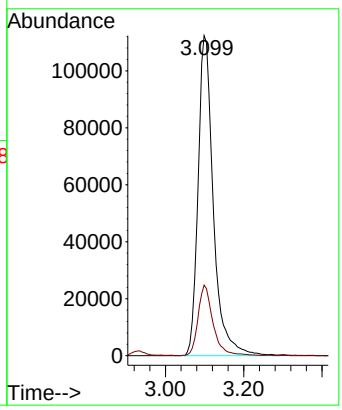




#19
Methyl tert-butyl Ether
Concen: 48.420 ug/l
RT: 3.099 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 73 Resp: 30506

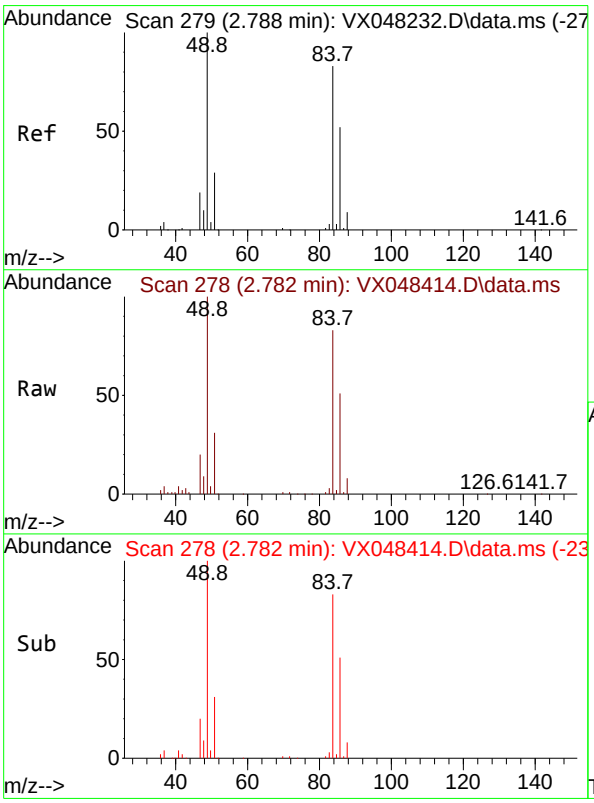
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

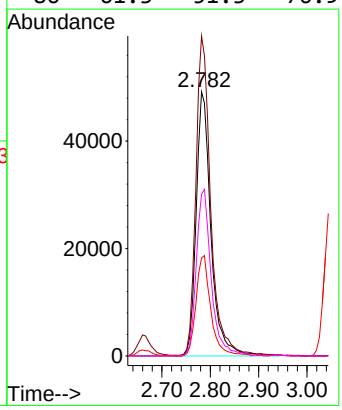
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

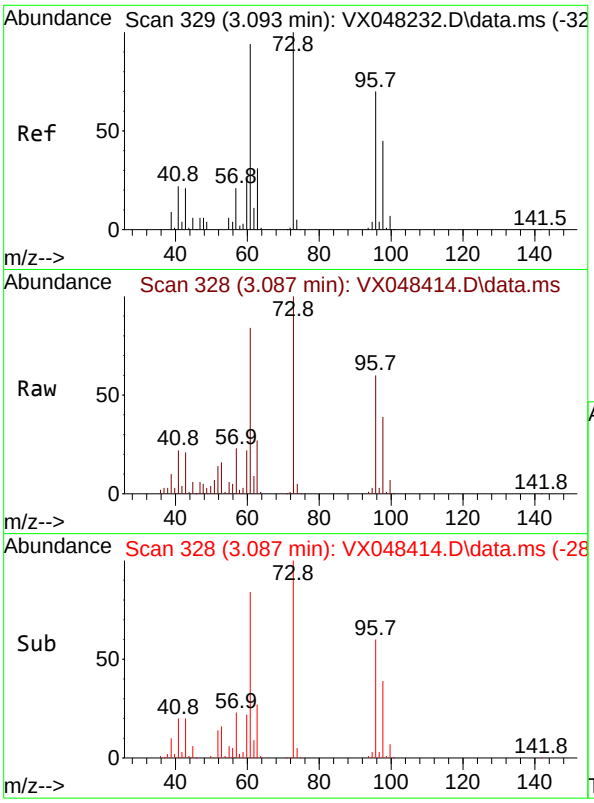


#20
Methylene Chloride
Concen: 49.180 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 84 Resp: 104451

Ion	Ratio	Lower	Upper
84	100		
49	120.8	104.1	156.1
51	37.1	31.3	46.9
86	61.3	51.3	76.9

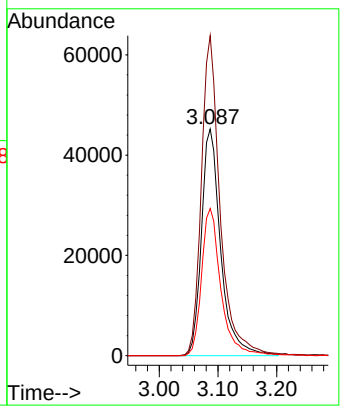




#21
trans-1,2-Dichloroethene
Concen: 49.318 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 96 Resp: 10306

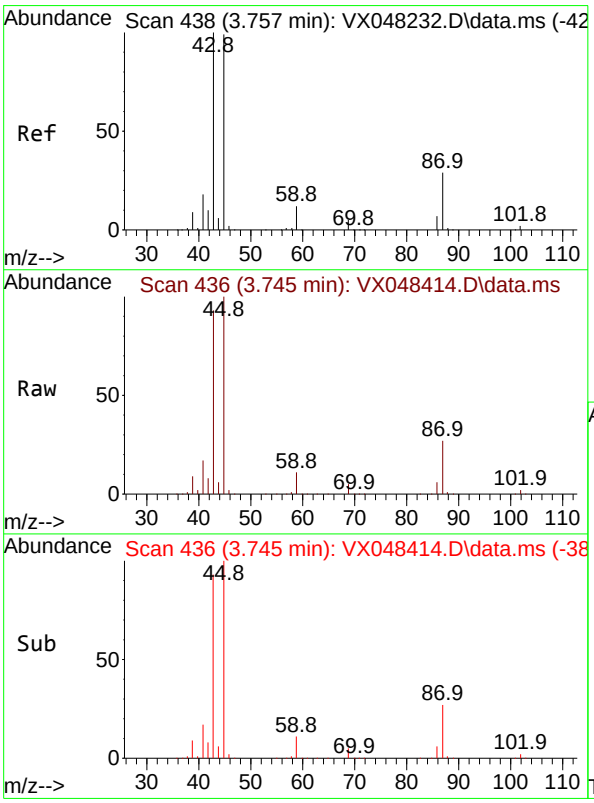
Ion	Ratio	Lower	Upper
96	100		
61	141.2	111.9	167.9
98	64.9	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

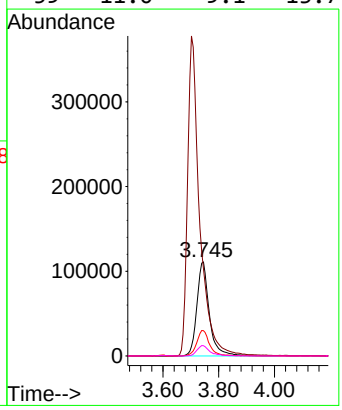
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

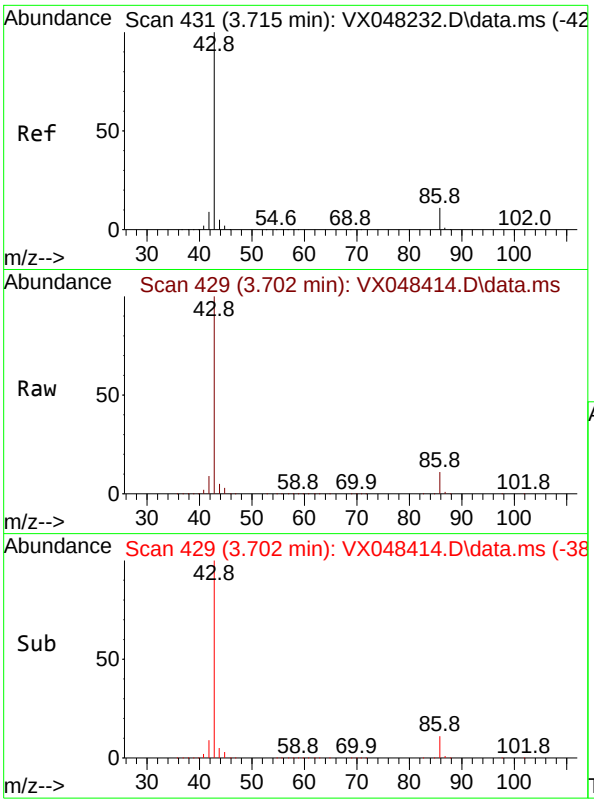


#22
Diisopropyl ether
Concen: 50.345 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 45 Resp: 343340

Ion	Ratio	Lower	Upper
45	100		
43	92.6	89.8	134.8
87	26.9	20.6	31.0
59	11.0	9.1	13.7





#23
Vinyl Acetate
Concen: 247.515 ug/l
RT: 3.702 min Scan# 4
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

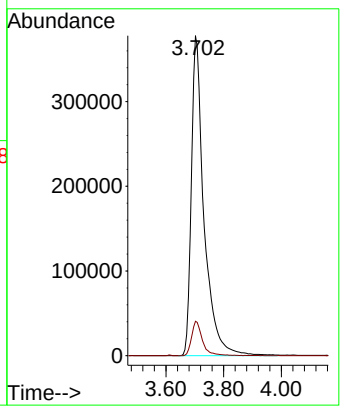
Tgt Ion: 43 Resp: 114906

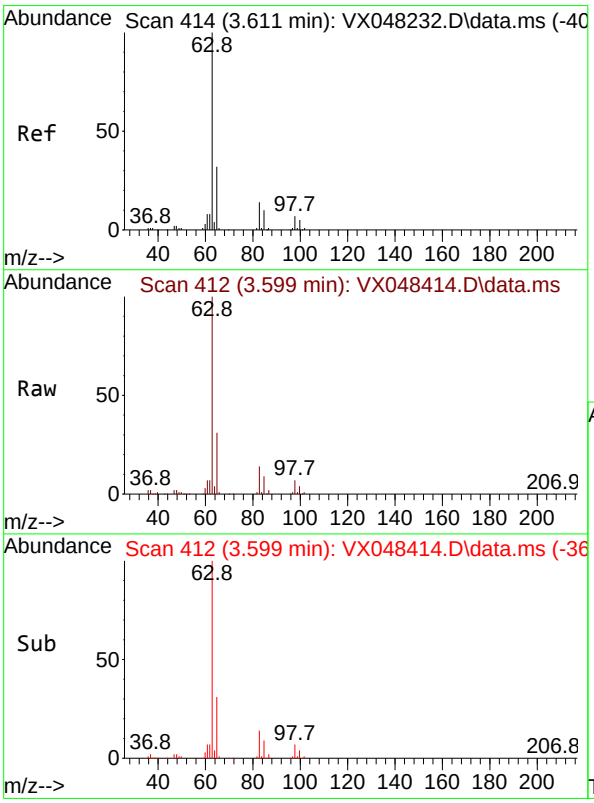
Ion	Ratio	Lower	Upper
43	100		
86	10.7	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

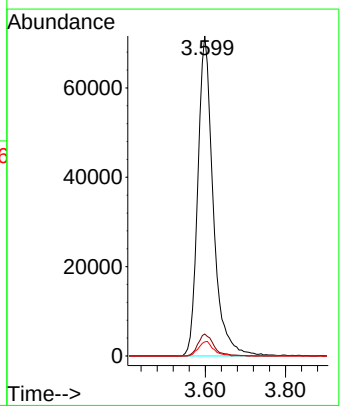


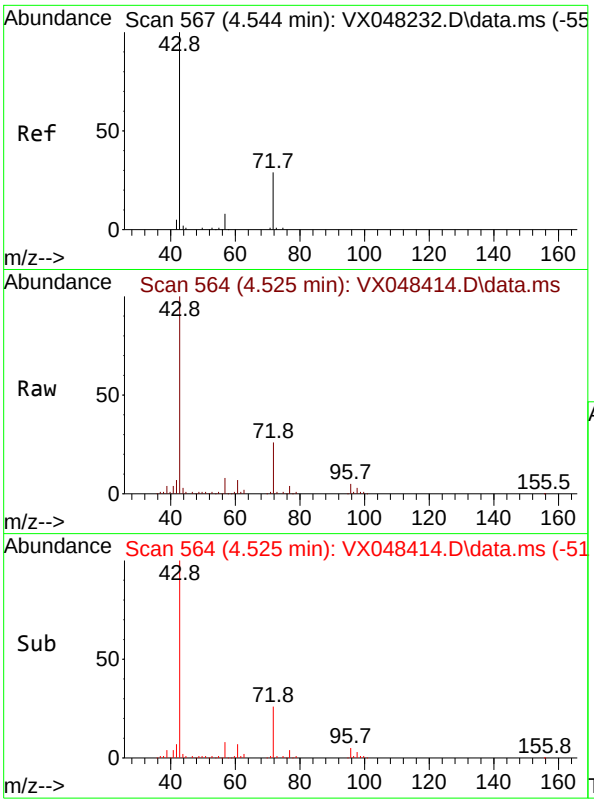


#24
1,1-Dichloroethane
Concen: 49.311 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 63 Resp: 190850

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.4	2.1	6.3

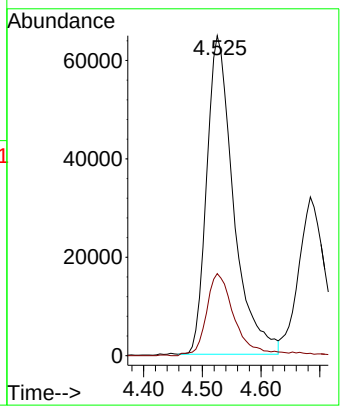




#25
2-Butanone
Concen: 233.069 ug/l
RT: 4.525 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 43 Resp: 20514

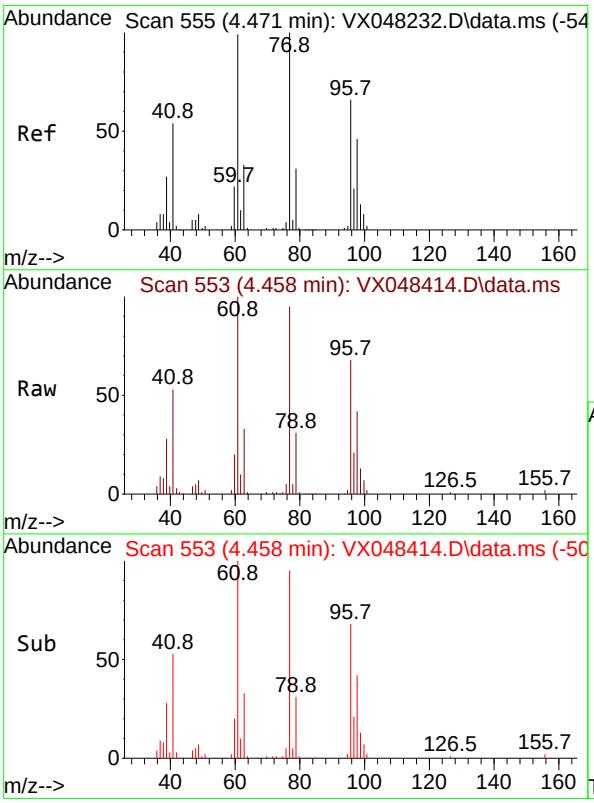
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.9	29.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

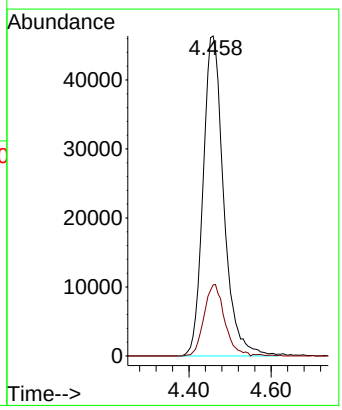
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

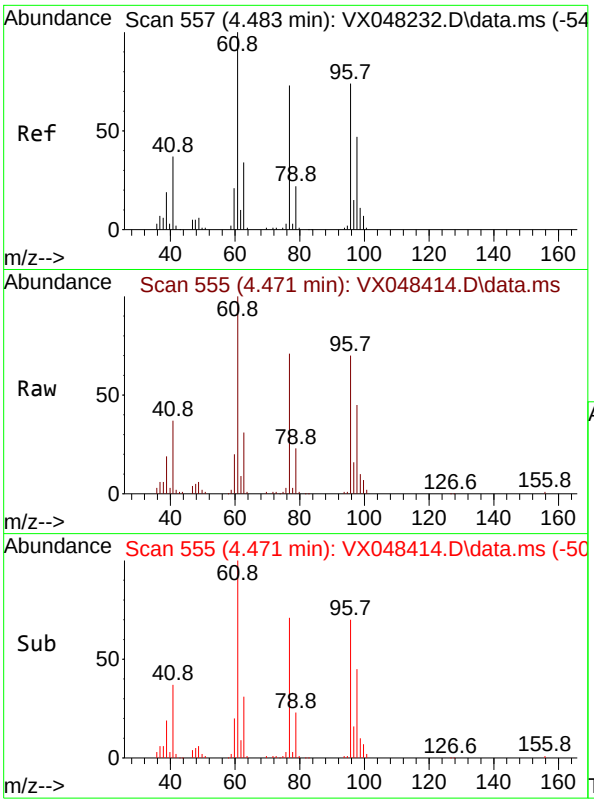


#26
2,2-Dichloropropane
Concen: 48.409 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 77 Resp: 161320

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.1	33.3

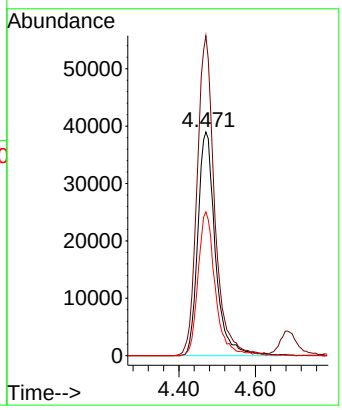




#27
cis-1,2-Dichloroethene
Concen: 49.483 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 96 Resp: 12341

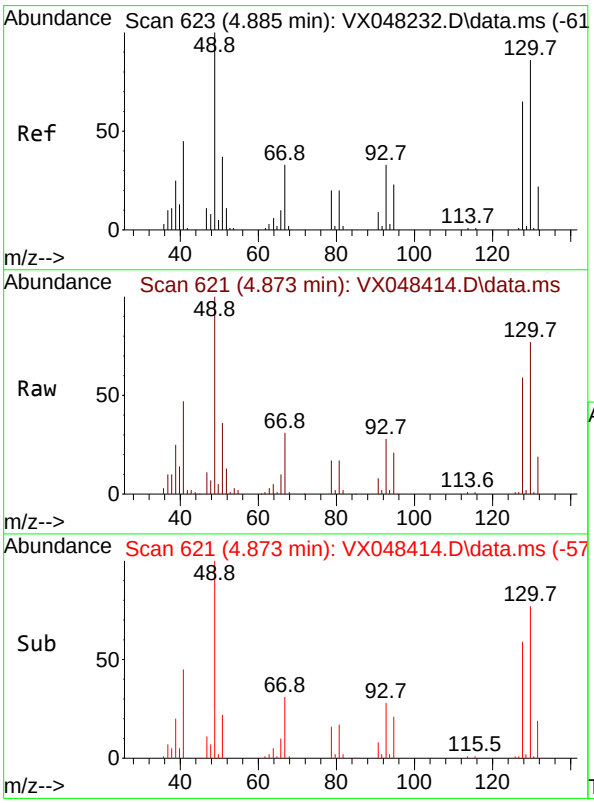
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	294.2
98	63.5	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

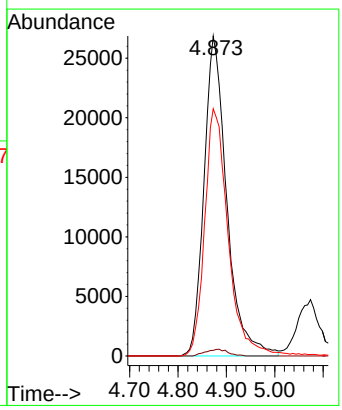
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

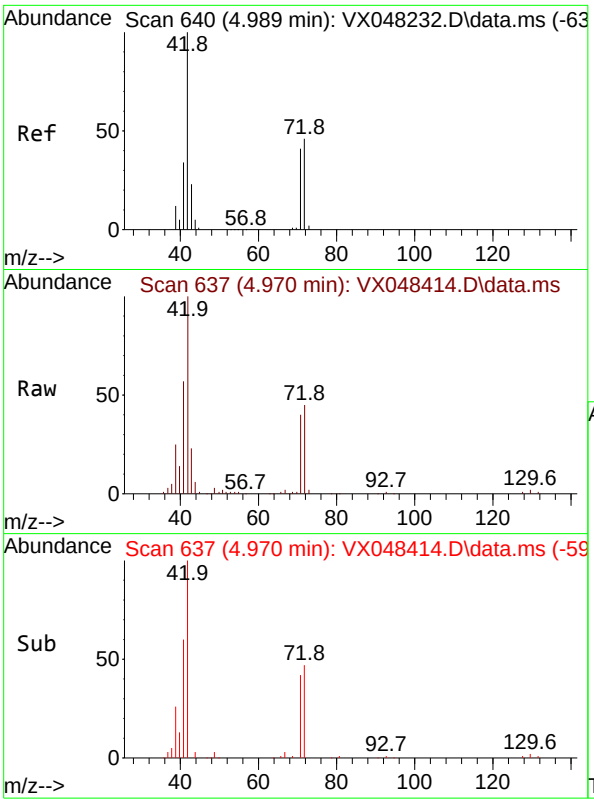


#28
Bromochloromethane
Concen: 49.998 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 49 Resp: 87699

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	79.5	59.3	88.9

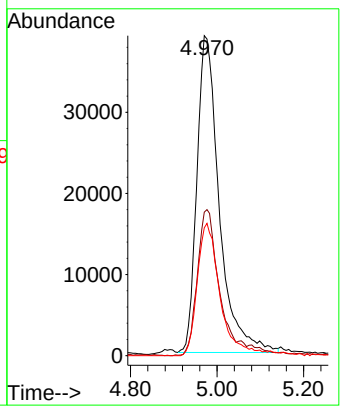




#29
Tetrahydrofuran
Concen: 223.415 ug/l
RT: 4.970 min Scan# 6
Delta R.T. -0.018 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 42 Resp: 14004

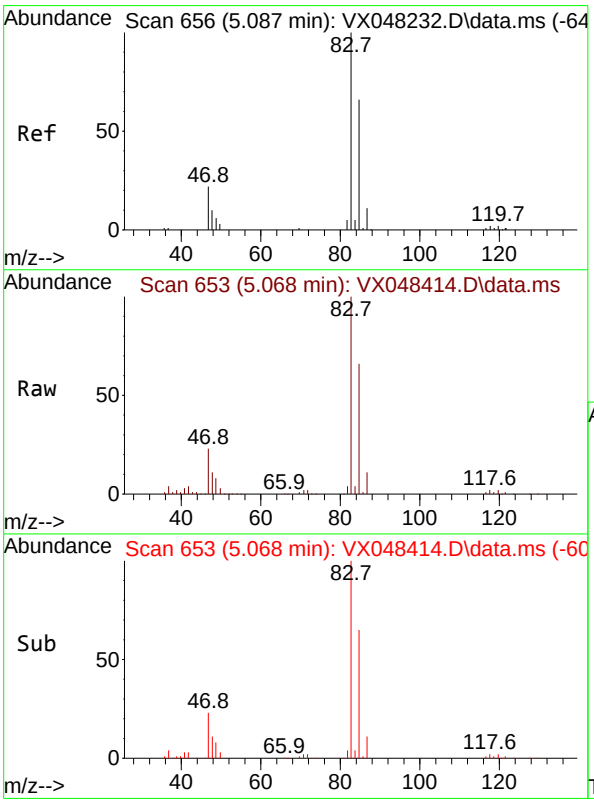
Ion	Ratio	Lower	Upper
42	100		
72	47.3	35.3	52.9
71	42.3	32.2	48.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

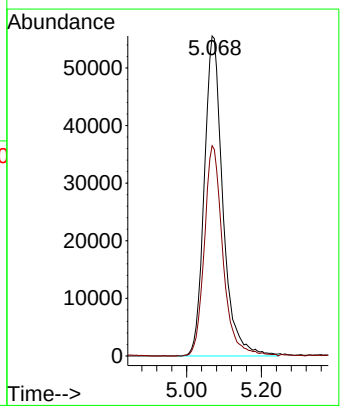
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

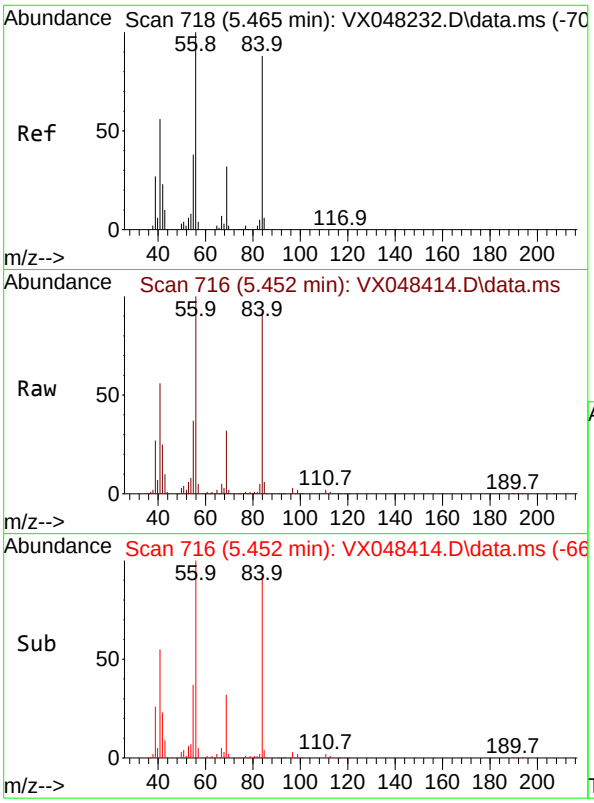


#30
Chloroform
Concen: 48.085 ug/l
RT: 5.068 min Scan# 653
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 83 Resp: 191447

Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.1	75.1

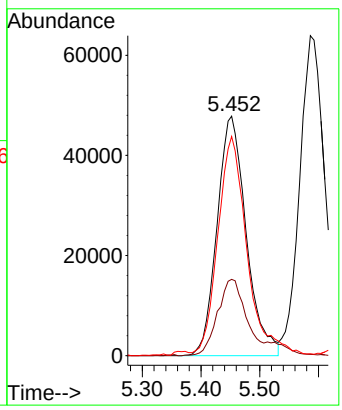




#31
Cyclohexane
Concen: 49.045 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 56 Resp: 16477

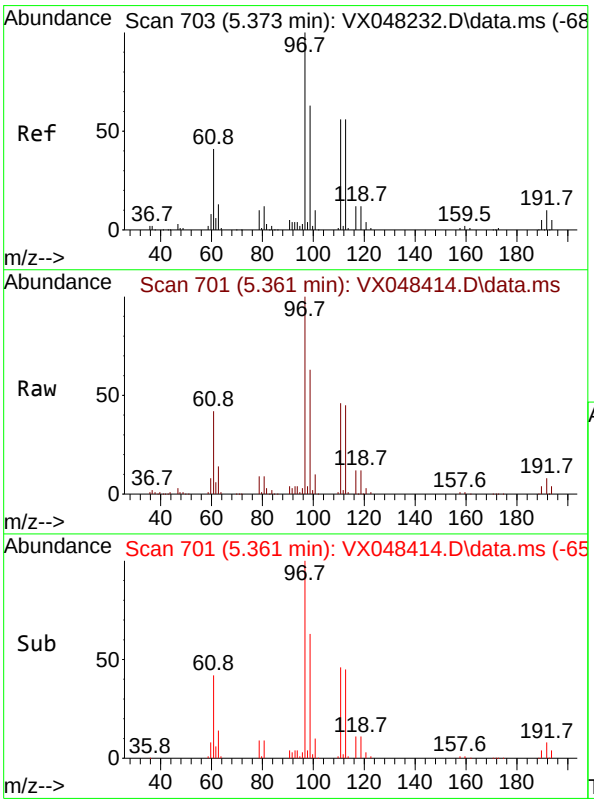
Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.0	34.6
84	89.7	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

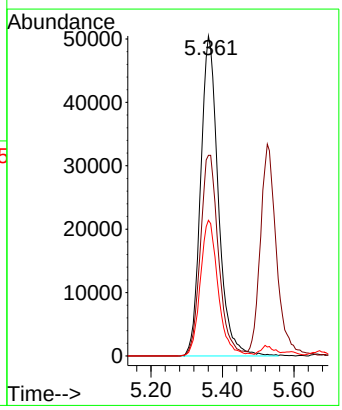
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

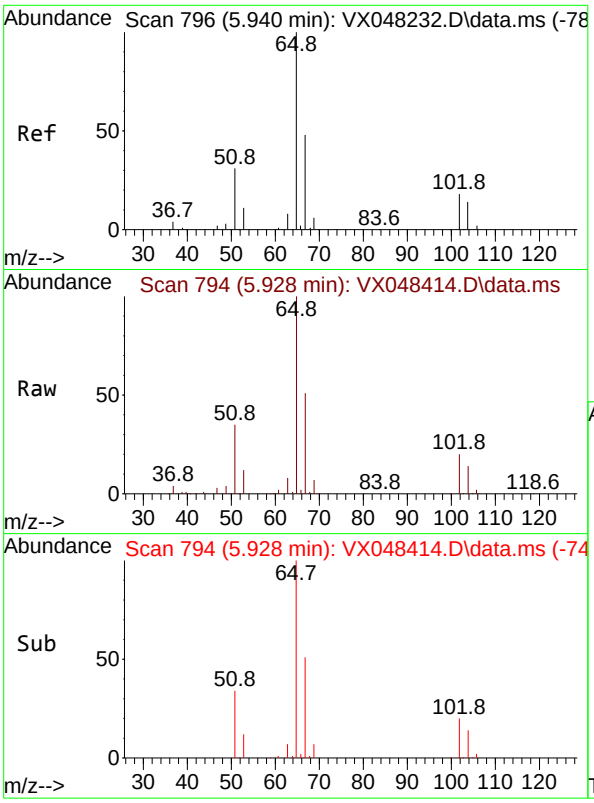


#32
1,1,1-Trichloroethane
Concen: 49.209 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 97 Resp: 172962

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	43.0	34.8	52.2





#33
1,2-Dichloroethane-d4
Concen: 46.518 ug/l
RT: 5.928 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

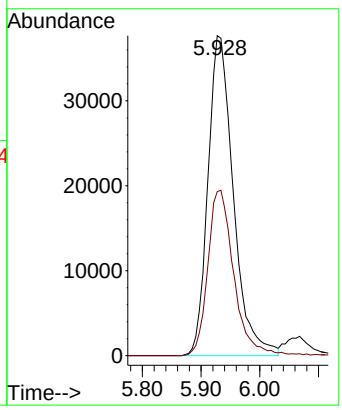
Tgt Ion: 65 Resp: 11308

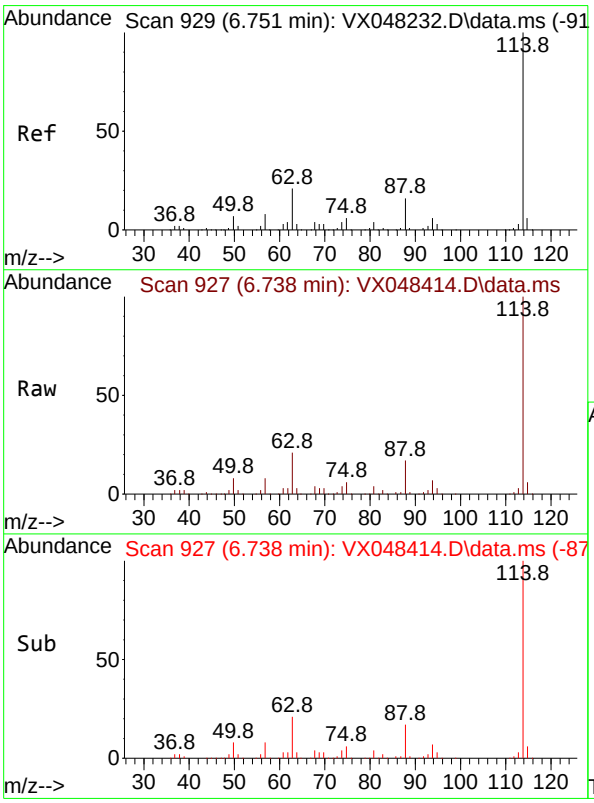
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

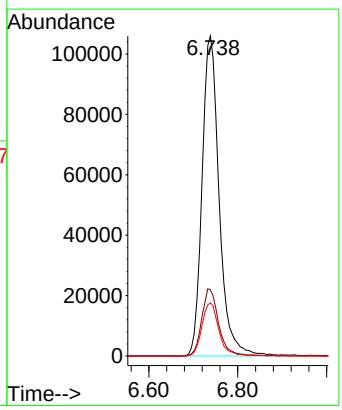


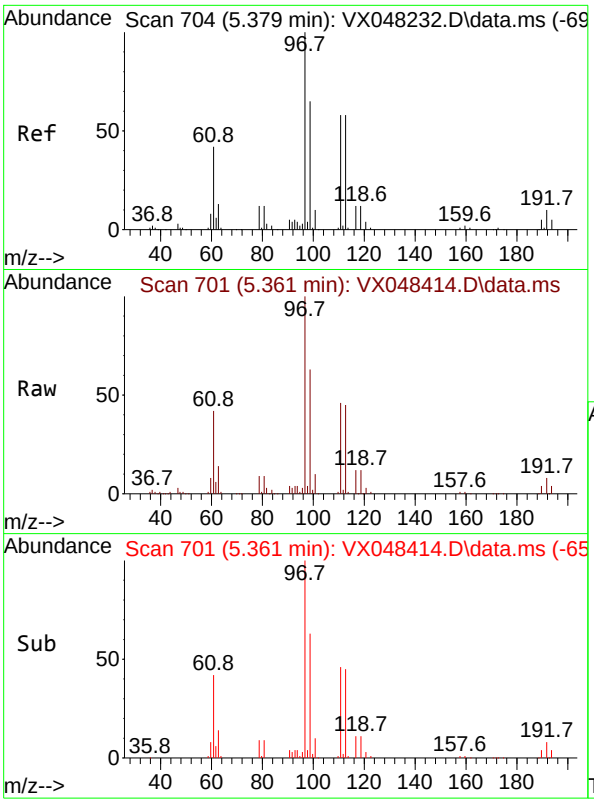


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:114 Resp: 283921

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	16.6	0.0	33.6

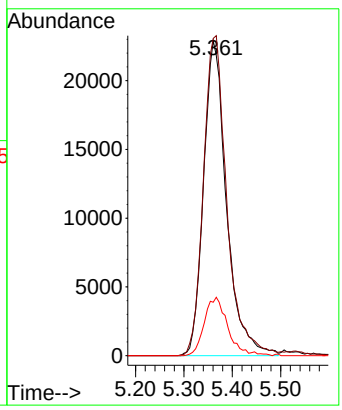




#35
Dibromofluoromethane
Concen: 46.599 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:113 Resp: 7543

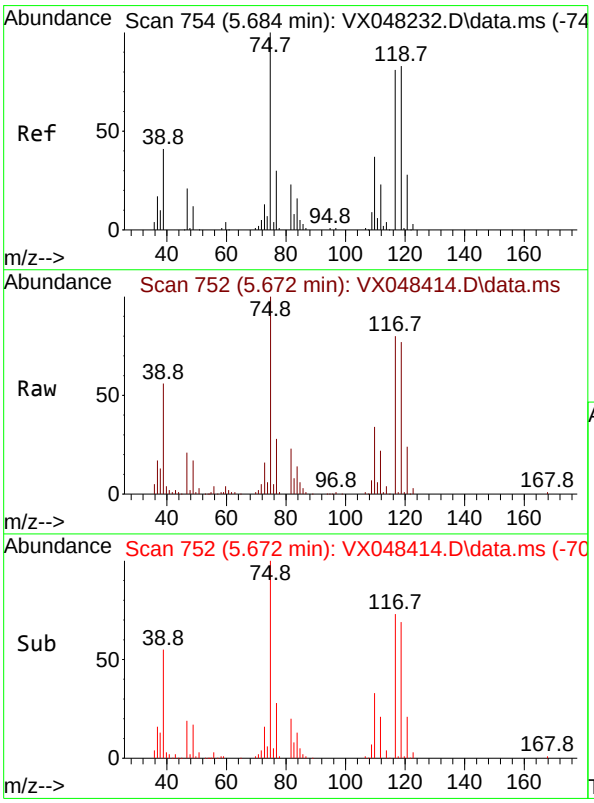
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.4
192	19.0	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

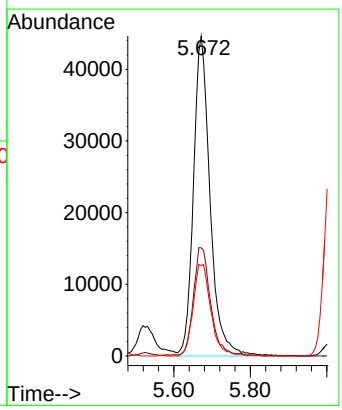
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

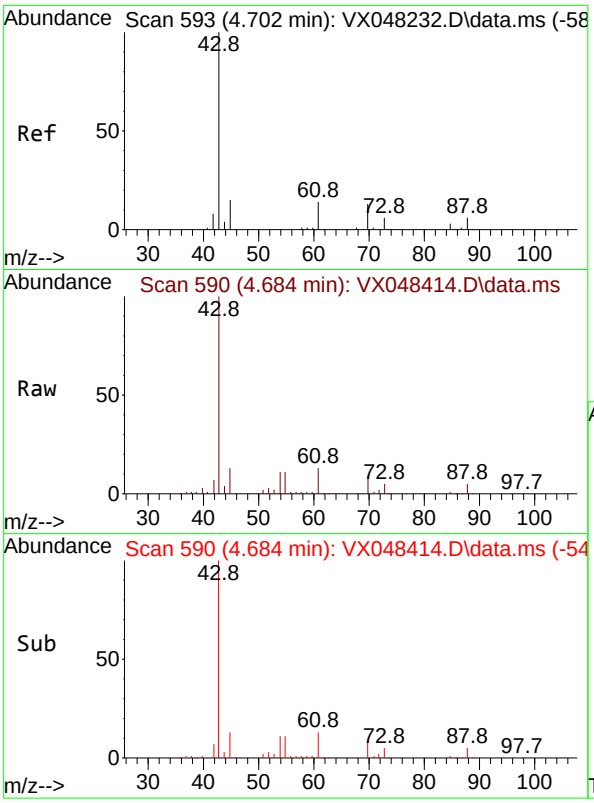


#36
1,1-Dichloropropene
Concen: 49.543 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 75 Resp: 134675

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.7	53.1
77	30.6	24.3	36.5

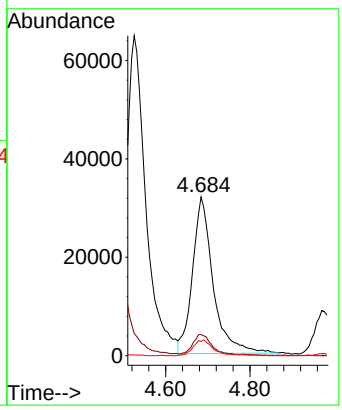




#37
Ethyl Acetate
Concen: 46.775 ug/l
RT: 4.684 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 43 Resp: 10832

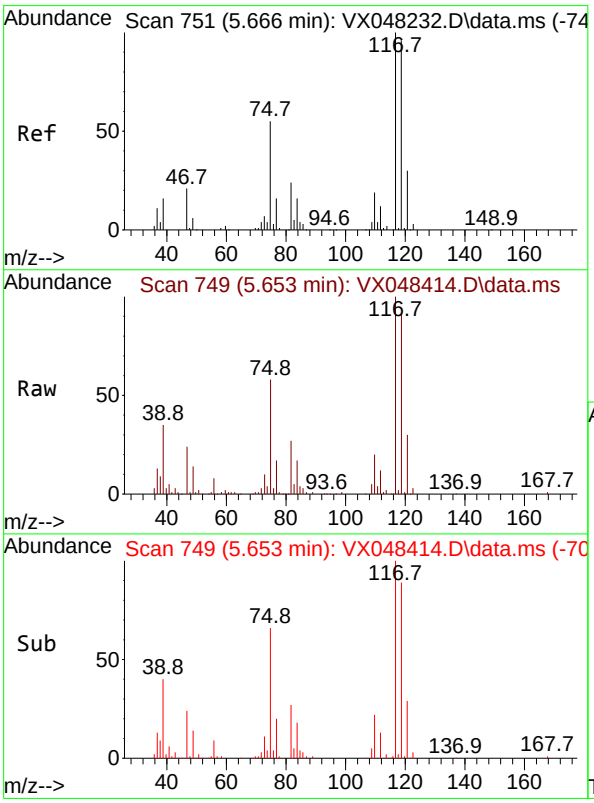
Ion	Ratio	Lower	Upper
43	100		
61	11.4	10.6	15.8
70	9.8	7.8	11.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

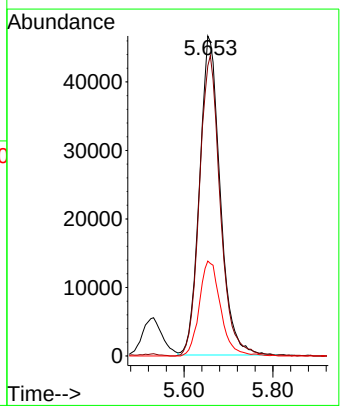
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

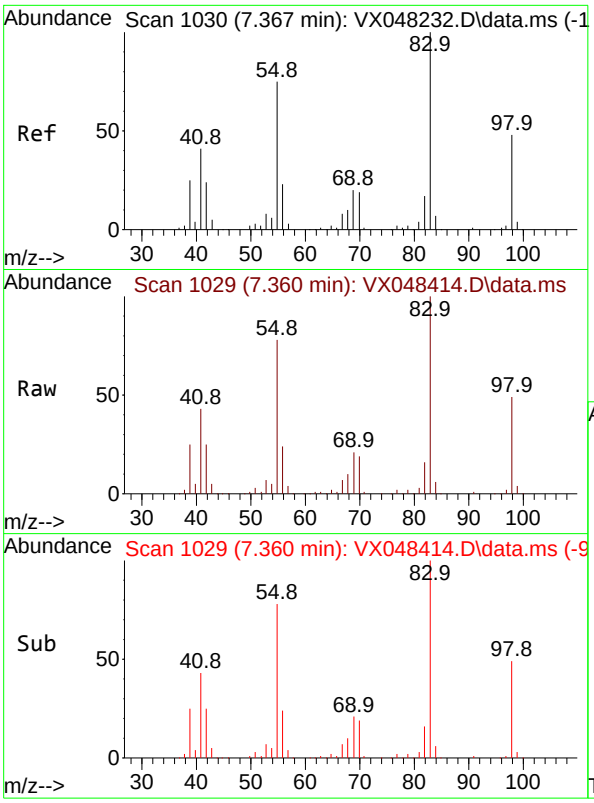


#38
Carbon Tetrachloride
Concen: 47.932 ug/l
RT: 5.653 min Scan# 749
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:117 Resp: 150439

Ion	Ratio	Lower	Upper
117	100		
119	90.7	77.2	115.8
121	29.7	24.8	37.2

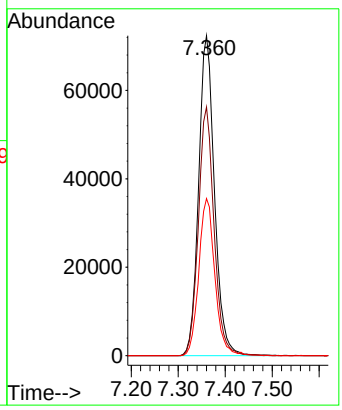




#39
Methylcyclohexane
Concen: 48.502 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 83 Resp: 16955

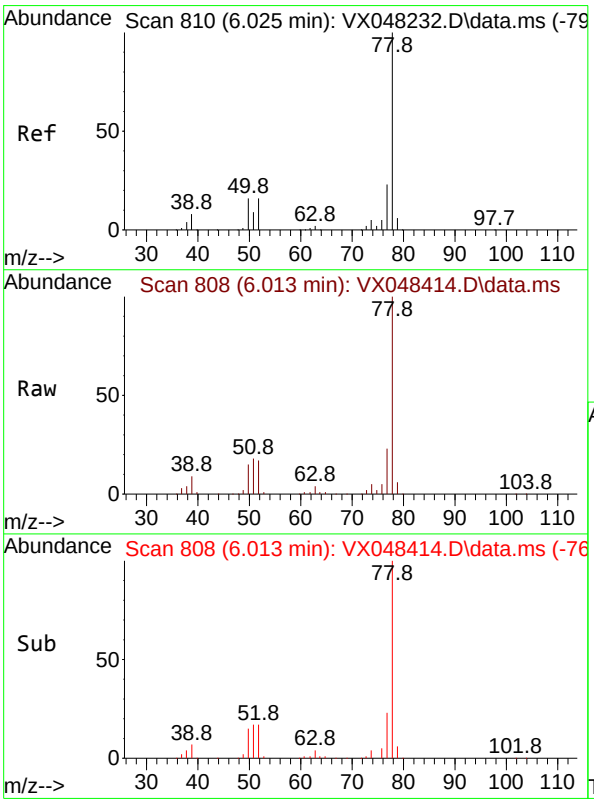
Ion	Ratio	Lower	Upper
83	100		
55	77.7	66.2	99.2
98	49.1	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

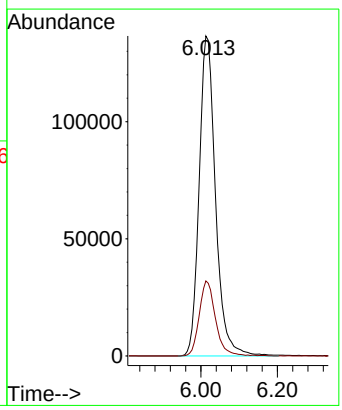
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

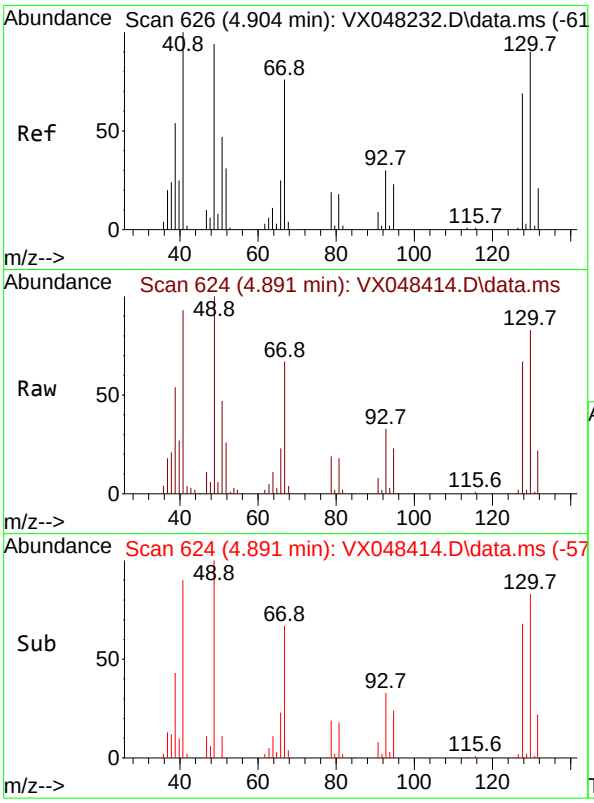


#40
Benzene
Concen: 48.853 ug/l
RT: 6.013 min Scan# 808
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 78 Resp: 405701

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9

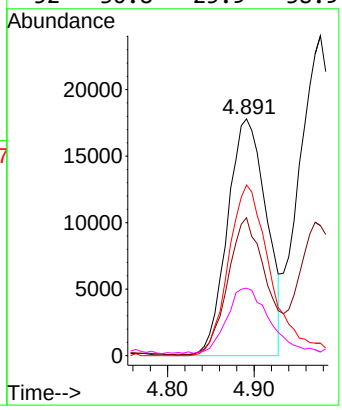




#41
Methacrylonitrile
Concen: 47.600 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.018 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 41 Resp: 5552

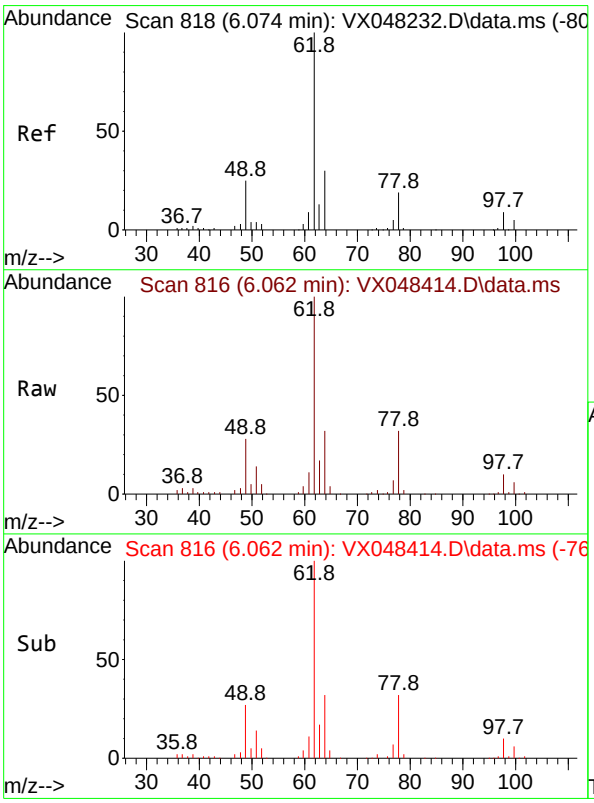
Ion	Ratio	Lower	Upper
41	100		
39	56.8	44.0	66.0
67	78.6	58.7	88.1
52	30.8	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

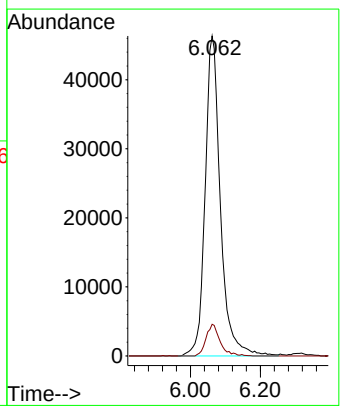
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

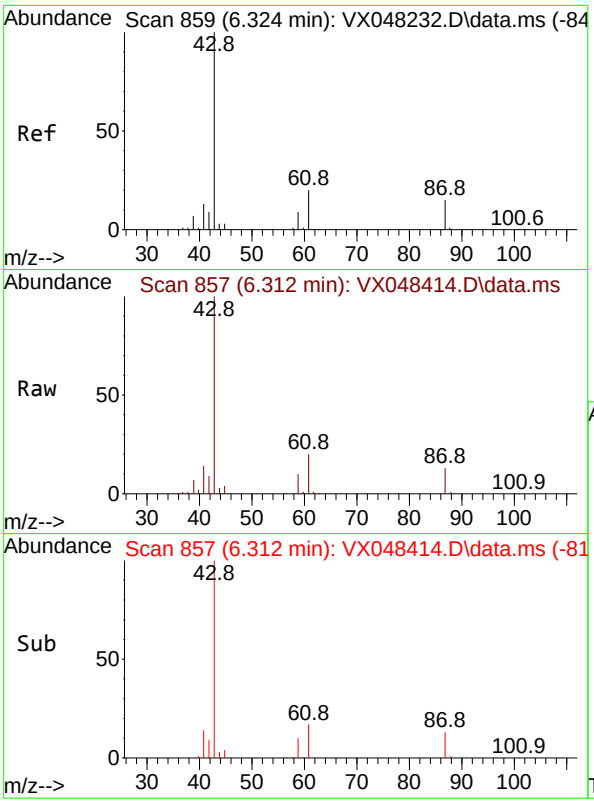


#42
1,2-Dichloroethane
Concen: 48.040 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 62 Resp: 140522

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2

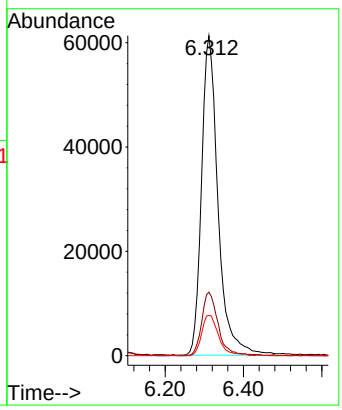




#43
Isopropyl Acetate
Concen: 46.749 ug/l
RT: 6.312 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 43 Resp: 17875

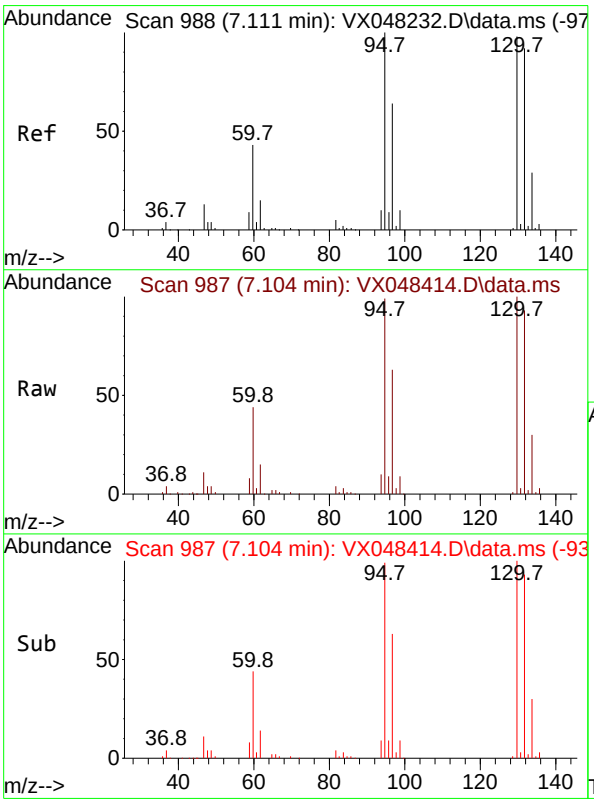
Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.9	22.3
87	13.0	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

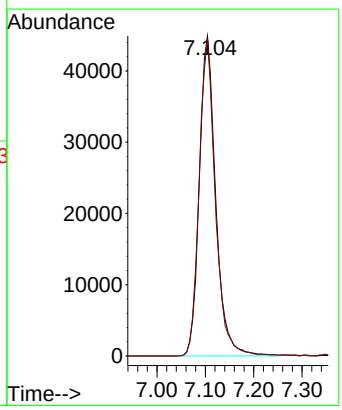
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

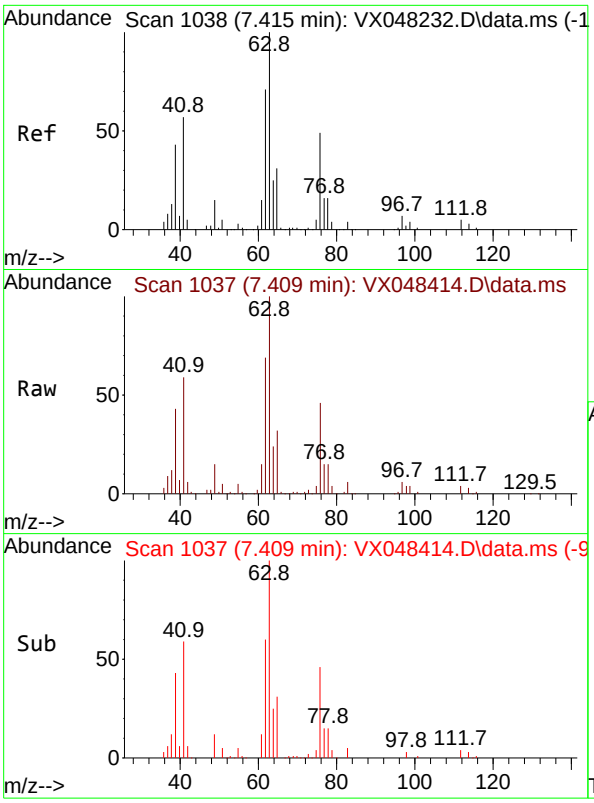


#44
Trichloroethene
Concen: 48.636 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:130 Resp: 105821

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	200.6

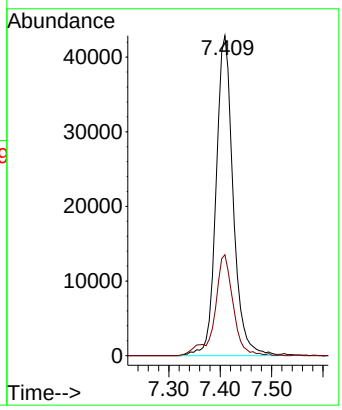




#45
1,2-Dichloropropane
Concen: 47.756 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 63 Resp: 9904

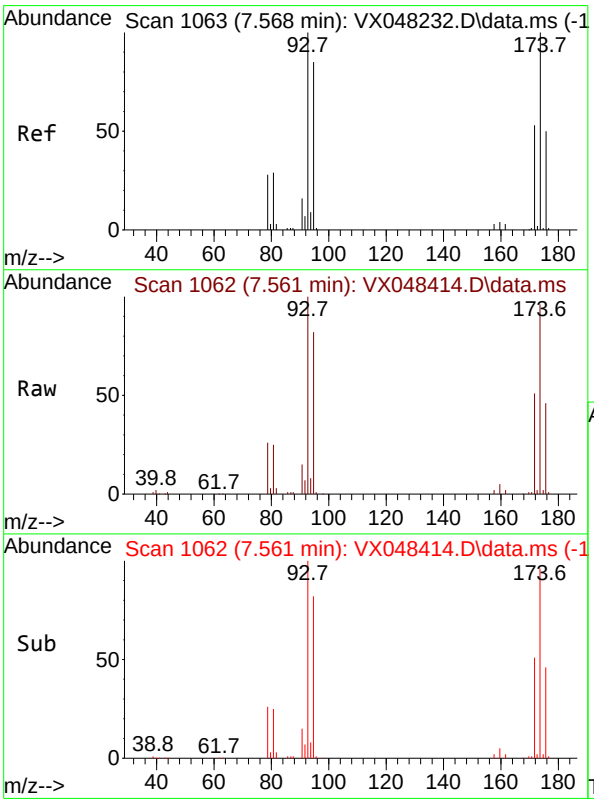
Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

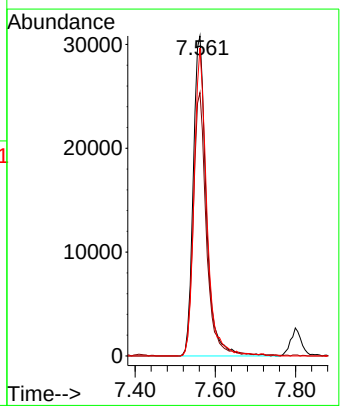
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

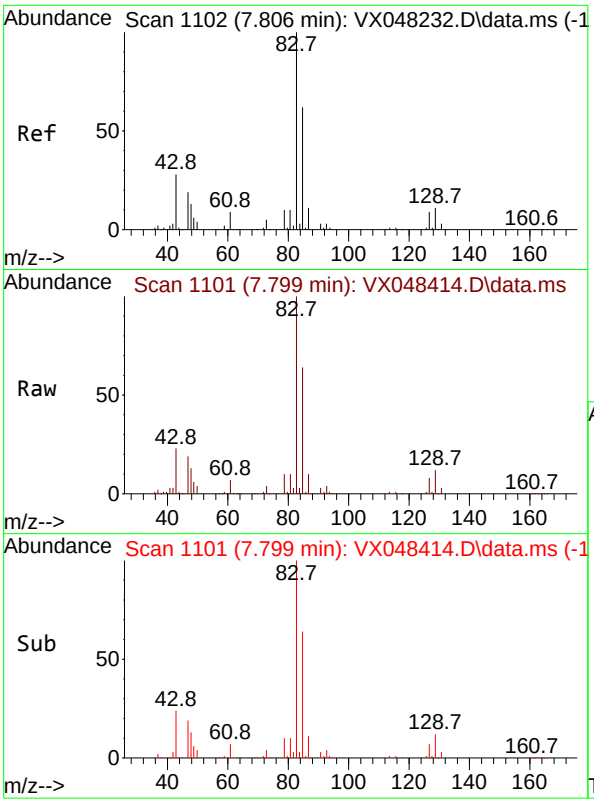


#46
Dibromomethane
Concen: 48.082 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 93 Resp: 69810

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.9	98.9
174	93.5	71.7	107.5

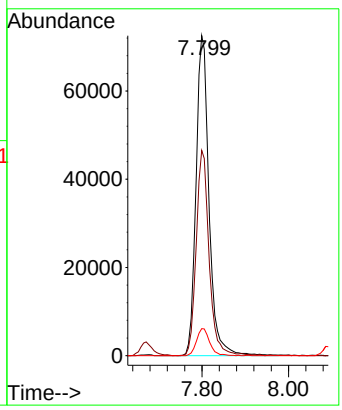




#47
Bromodichloromethane
Concen: 48.913 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 83 Resp: 15089

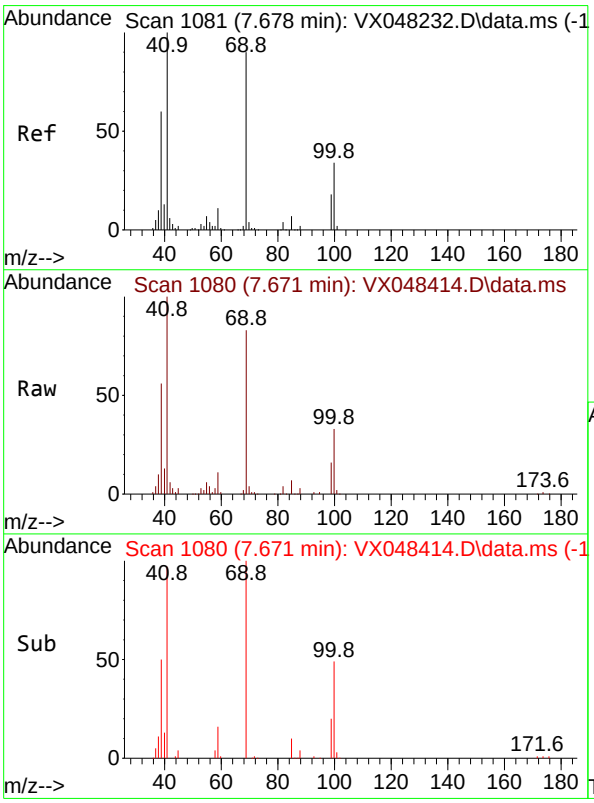
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.4
127	8.4	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

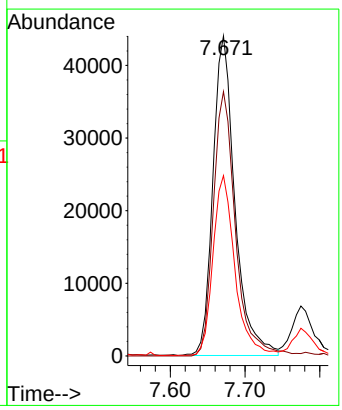
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

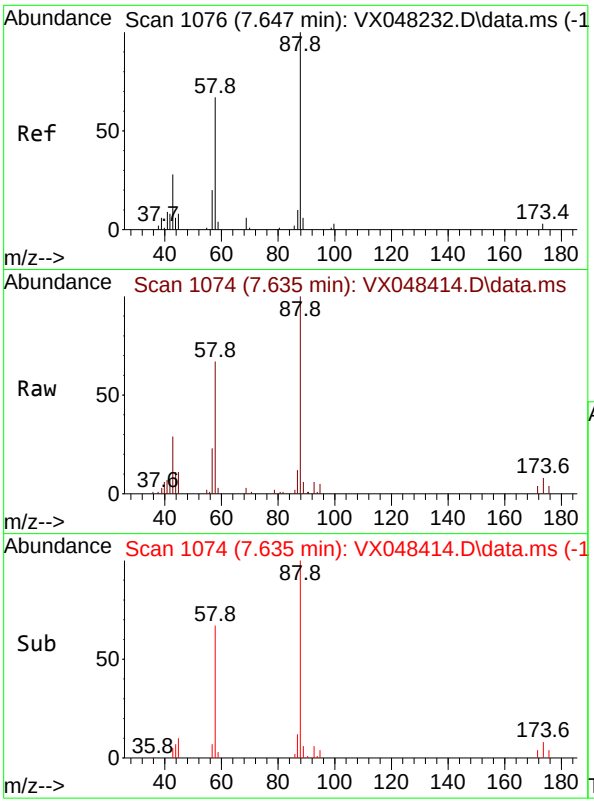


#48
Methyl methacrylate
Concen: 48.394 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 41 Resp: 90239

Ion	Ratio	Lower	Upper
41	100		
69	83.4	63.4	95.0
39	56.0	47.1	70.7

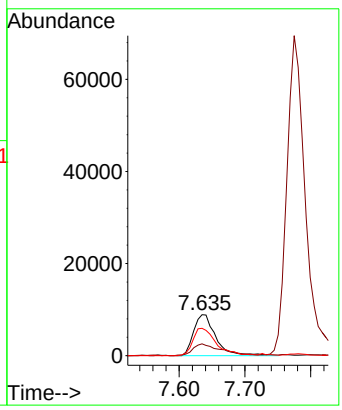




#49
1,4-Dioxane
Concen: 977.625 ug/l
RT: 7.635 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 88 Resp: 2072

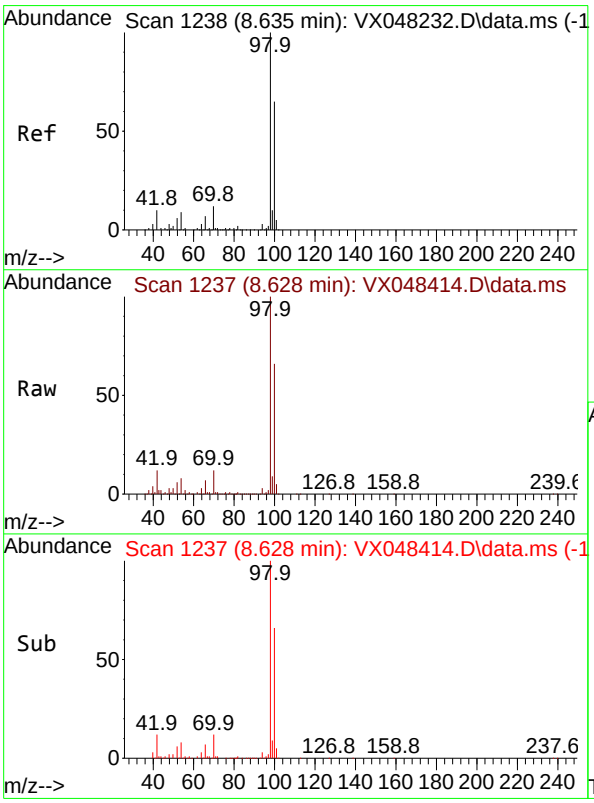
Ion	Ratio	Lower	Upper
88	100		
43	38.1	35.0	52.4
58	70.5	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

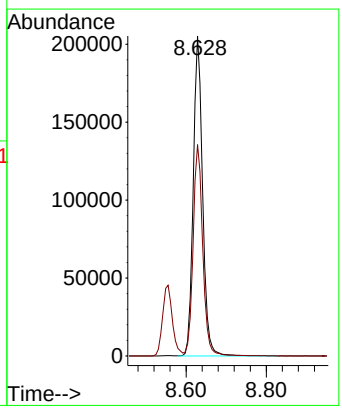
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

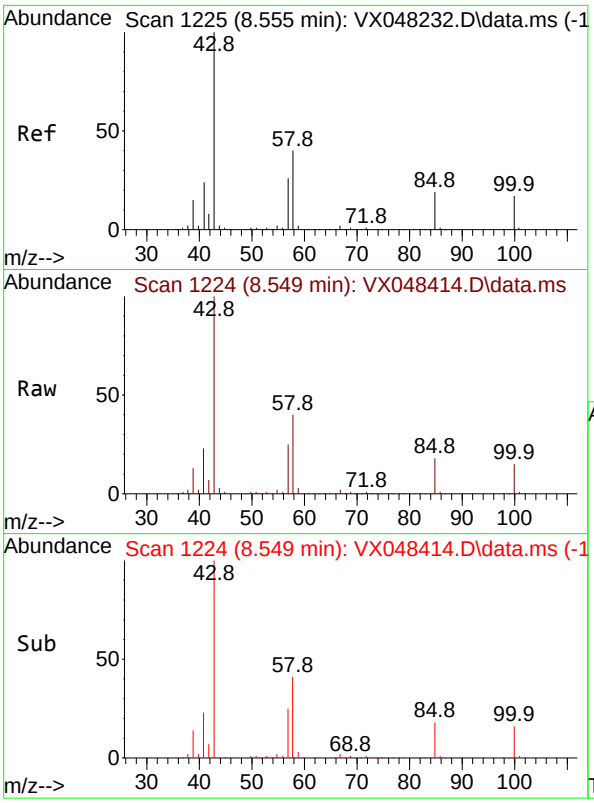


#50
Toluene-d8
Concen: 46.543 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 98 Resp: 332571

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.0	79.4

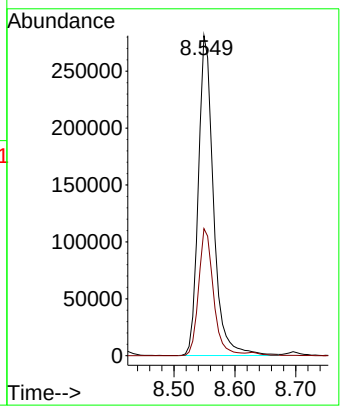




#51
4-Methyl-2-Pentanone
Concen: 227.914 ug/l
RT: 8.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 43 Resp: 48500

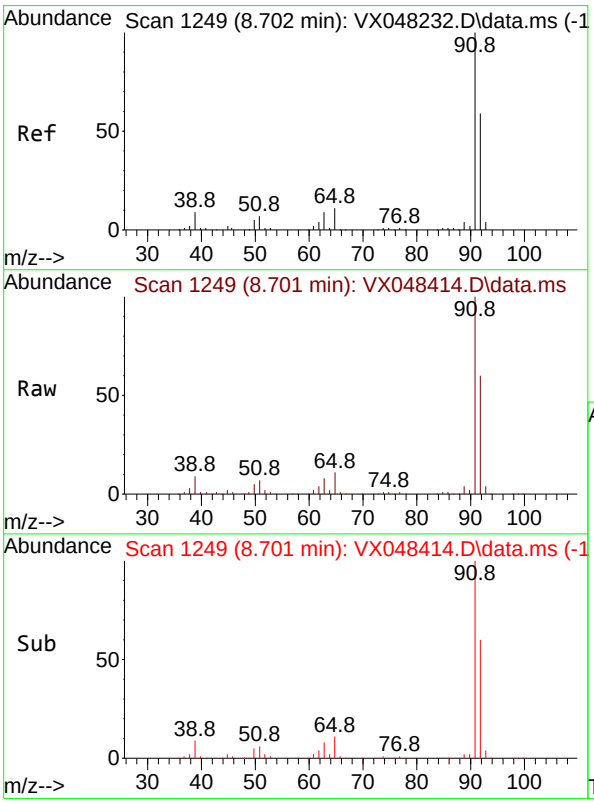
Ion	Ratio	Lower	Upper
43	100		
58	39.0	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

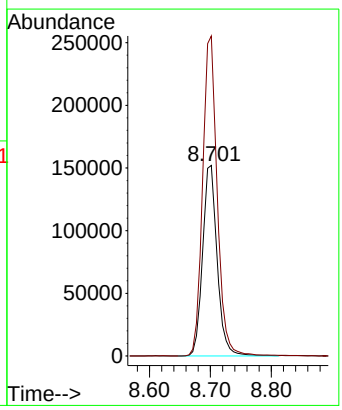
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

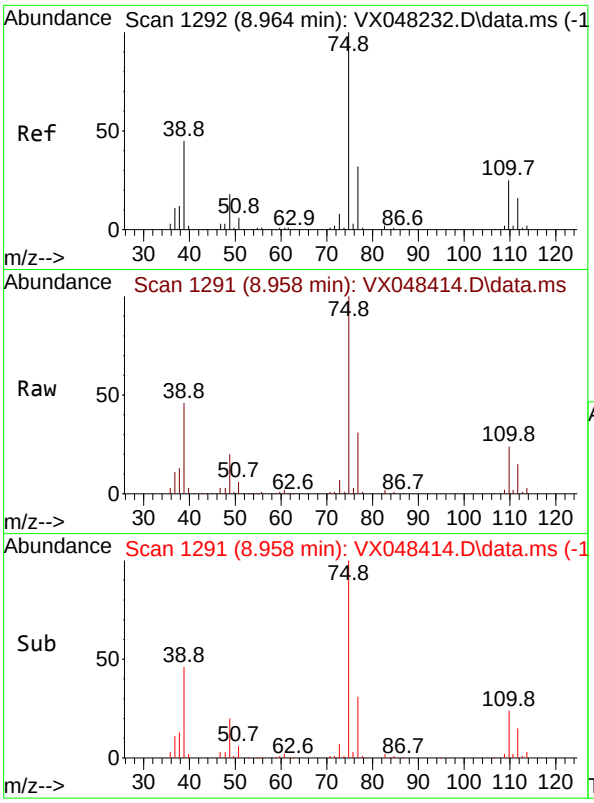


#52
Toluene
Concen: 48.734 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 92 Resp: 252888

Ion	Ratio	Lower	Upper
92	100		
91	168.6	136.1	204.1

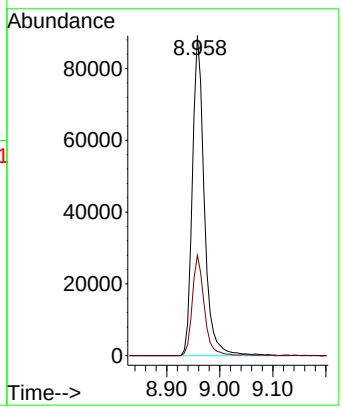




#53
t-1,3-Dichloropropene
Concen: 49.836 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 75 Resp: 13934

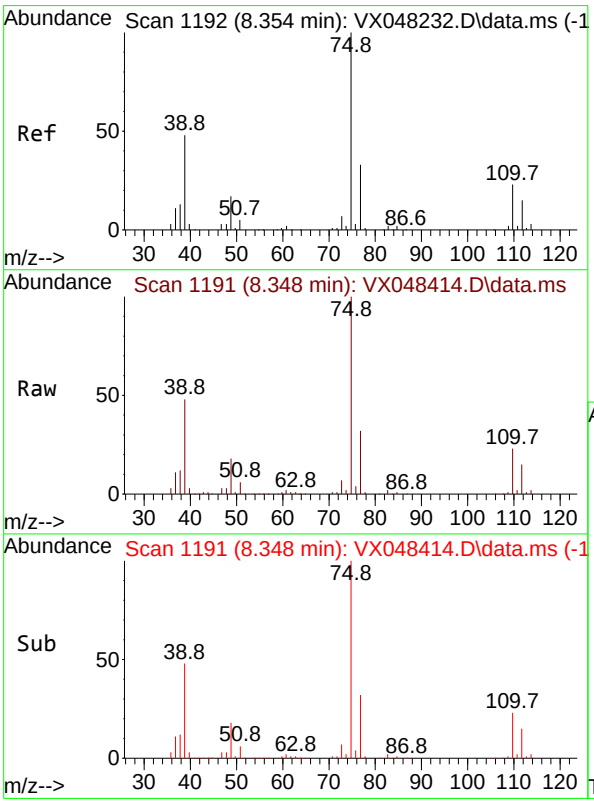
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

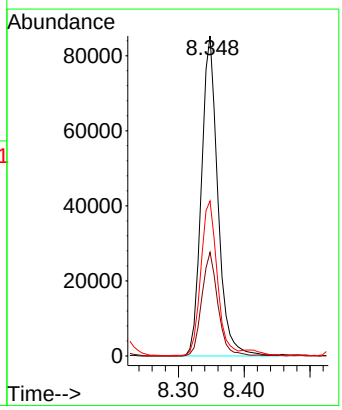
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

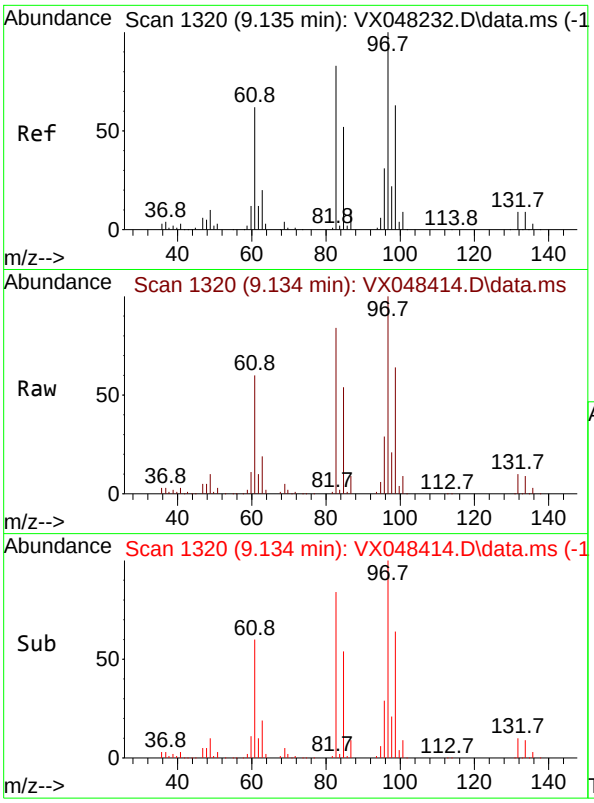


#54
cis-1,3-Dichloropropene
Concen: 49.233 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 75 Resp: 148316

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.9	37.3
39	47.7	42.6	64.0

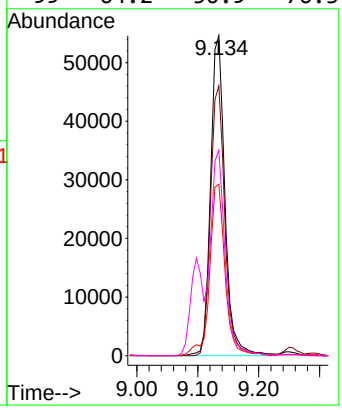




#55
1,1,2-Trichloroethane
Concen: 47.464 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 97 Resp: 8913

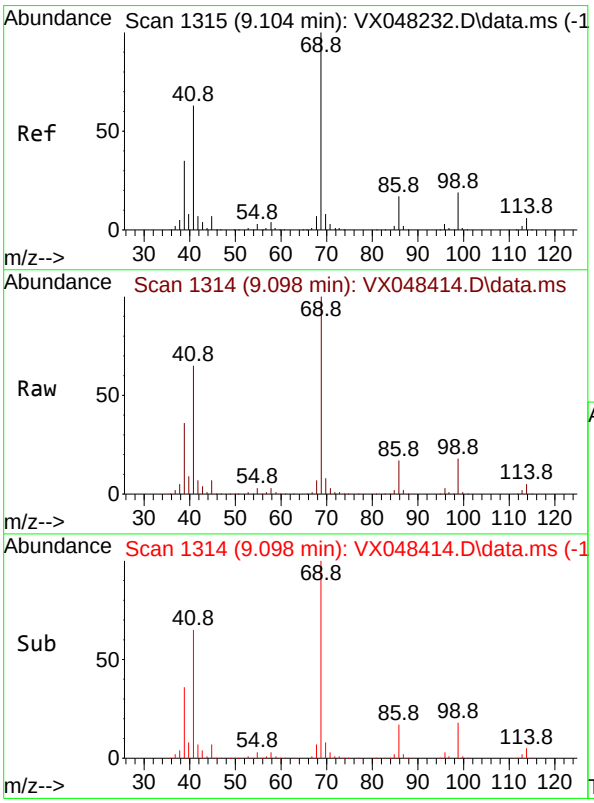
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.6	105.8
85	53.5	45.0	67.6
99	64.2	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

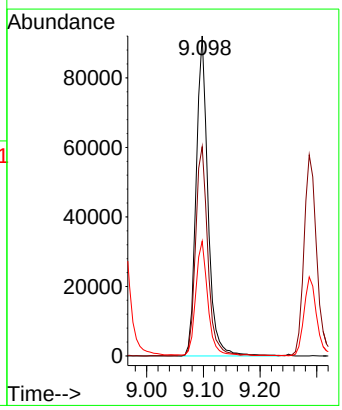
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

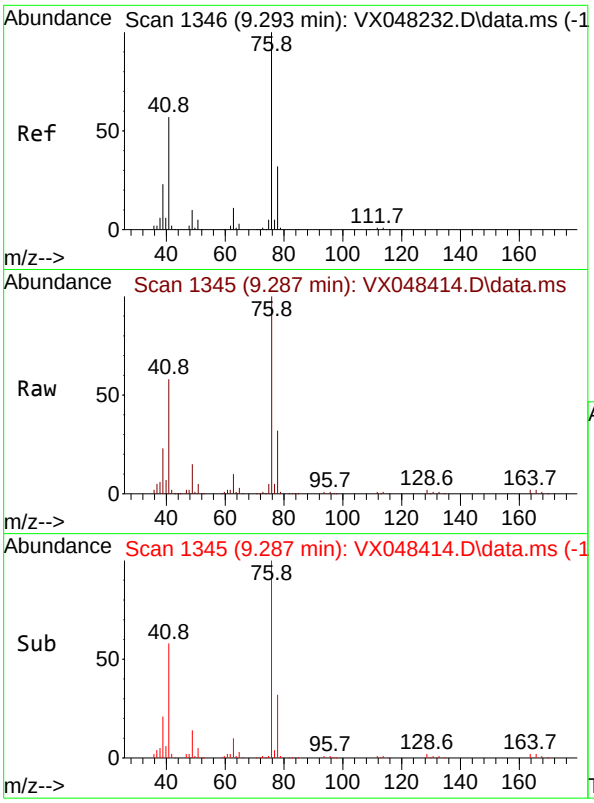


#56
Ethyl methacrylate
Concen: 48.593 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 69 Resp: 133617

Ion	Ratio	Lower	Upper
69	100		
41	67.8	56.0	84.0
39	36.4	31.6	47.4





#57
1,3-Dichloropropane
Concen: 47.520 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

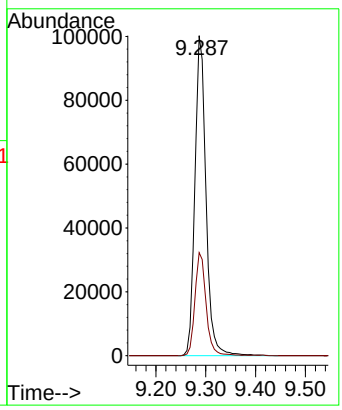
Tgt Ion: 76 Resp: 15472

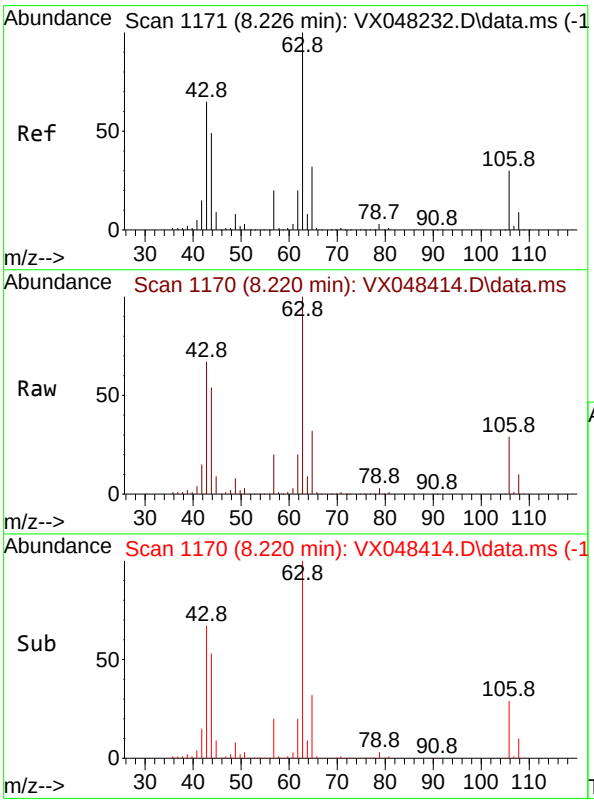
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

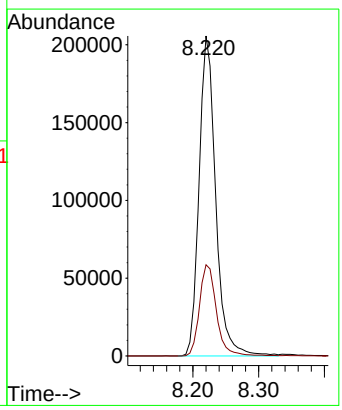


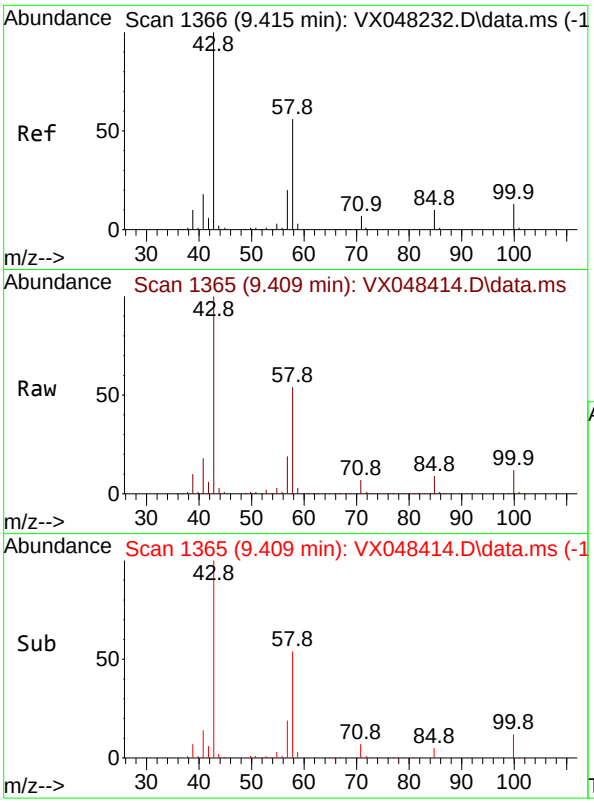


#58
2-Chloroethyl Vinyl ether
Concen: 221.341 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 63 Resp: 360689

Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.2	33.2





#59
2-Hexanone
Concen: 233.382 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

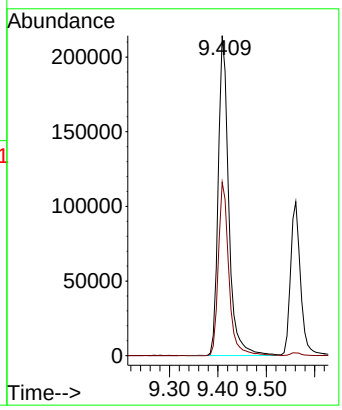
Tgt Ion: 43 Resp: 32315

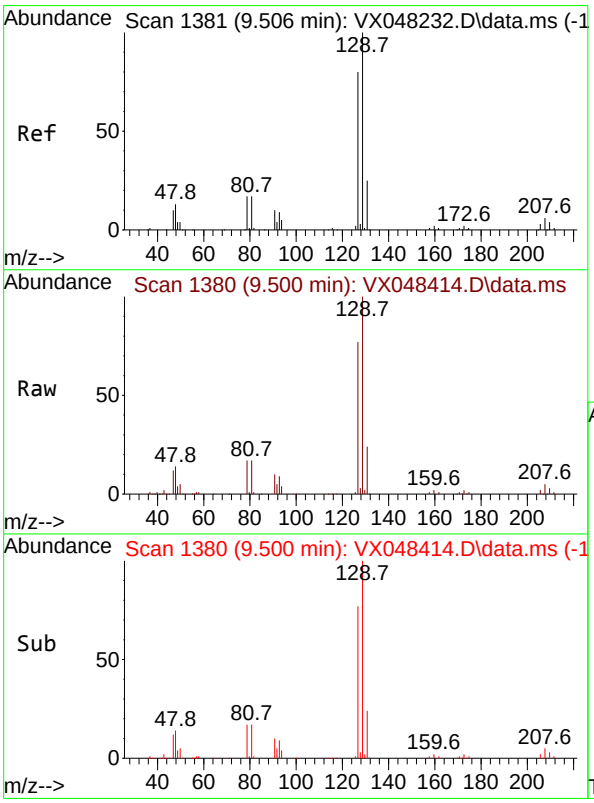
Ion	Ratio	Lower	Upper
43	100		
58	54.2	26.3	78.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

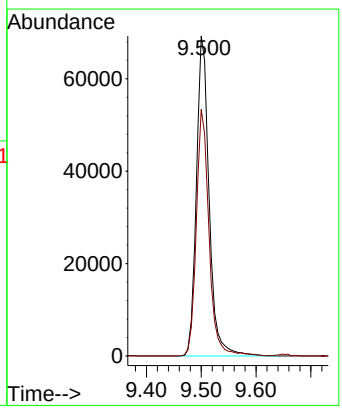


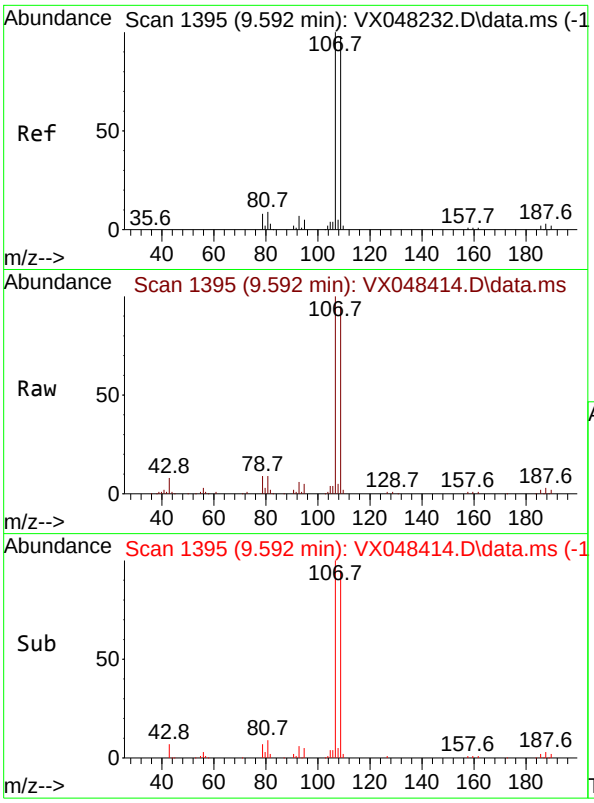


#60
Dibromochloromethane
Concen: 48.209 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:129 Resp: 111965

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.7

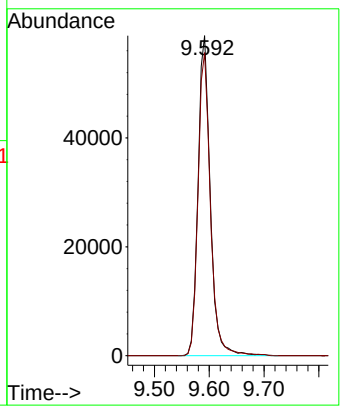




#61
1,2-Dibromoethane
Concen: 47.024 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:107 Resp: 9135

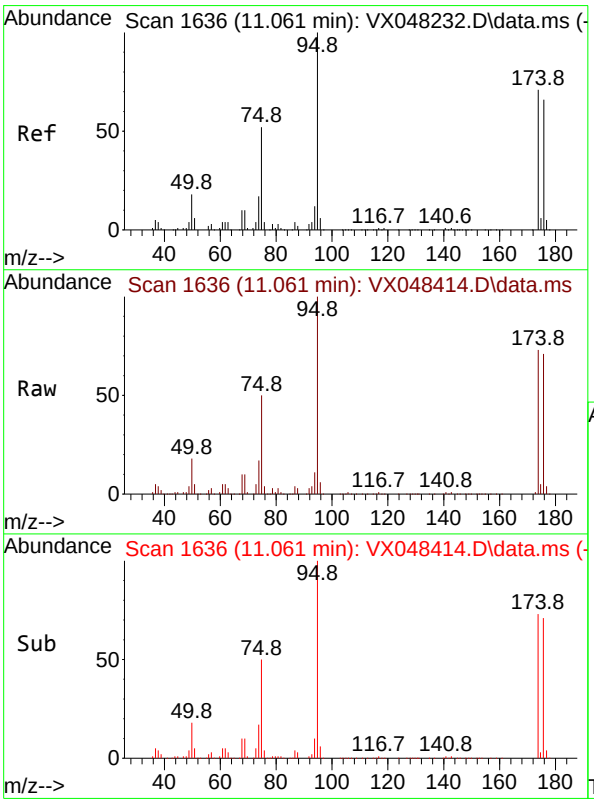
Ion	Ratio	Lower	Upper
107	100		
109	96.2	77.0	115.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

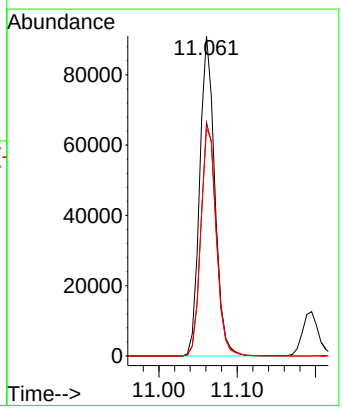
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

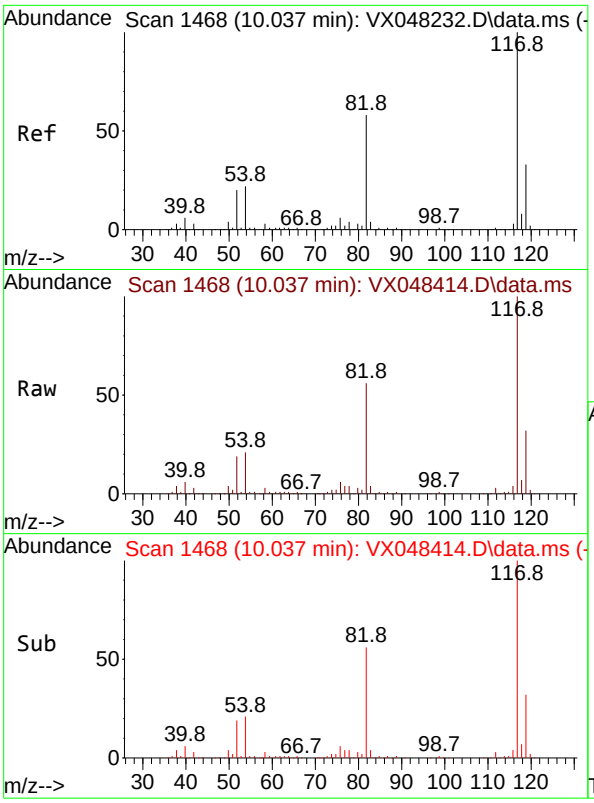


#62
4-Bromofluorobenzene
Concen: 45.358 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 95 Resp: 121242

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	147.8
176	73.0	0.0	142.8

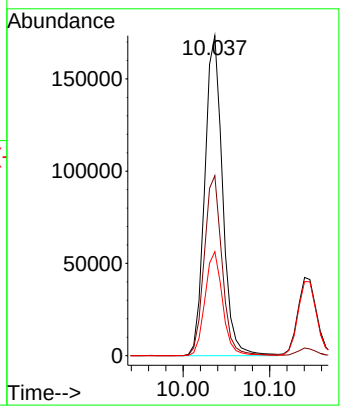




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:117 Resp: 24754

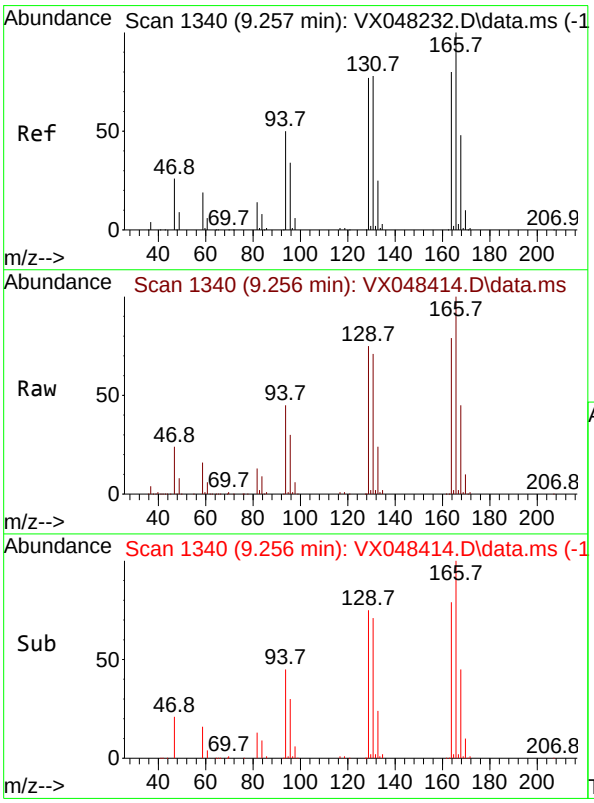
Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.5	69.7
119	32.5	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

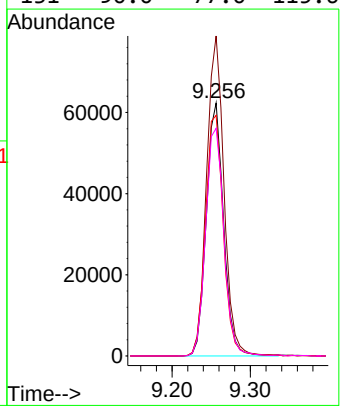
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

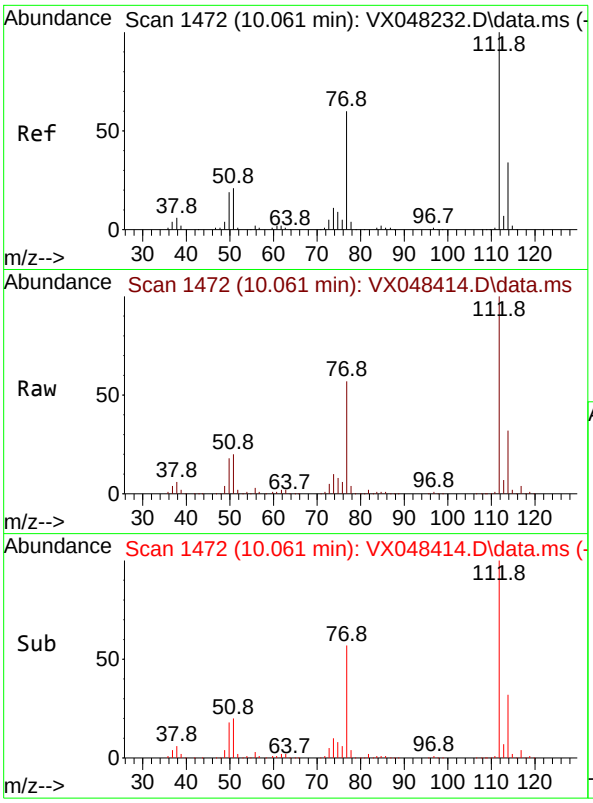


#64
Tetrachloroethene
Concen: 47.723 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:164 Resp: 95139

Ion	Ratio	Lower	Upper
164	100		
166	126.5	104.5	156.7
129	95.1	81.8	122.6
131	90.0	77.0	115.6

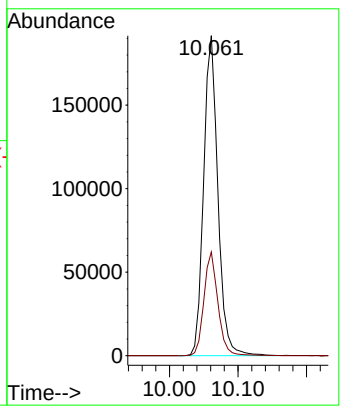




#65
Chlorobenzene
Concen: 48.554 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:112 Resp: 27690

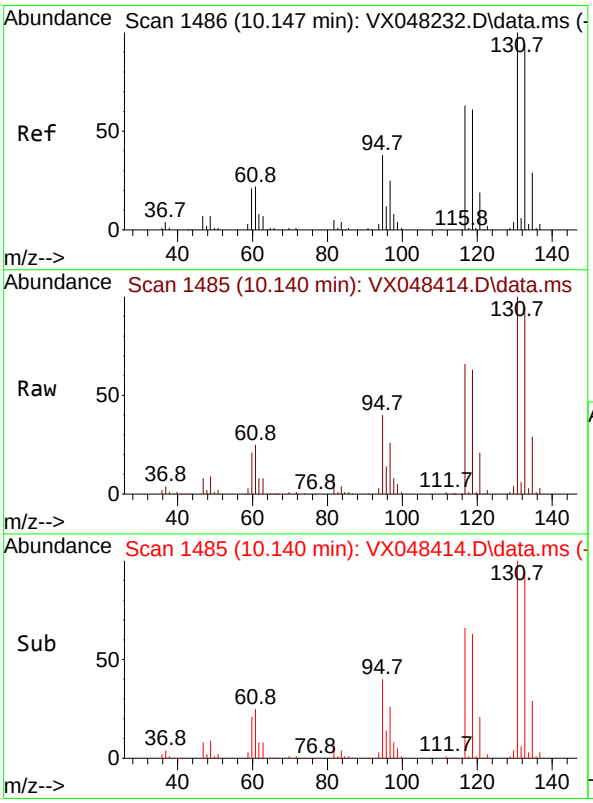
Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

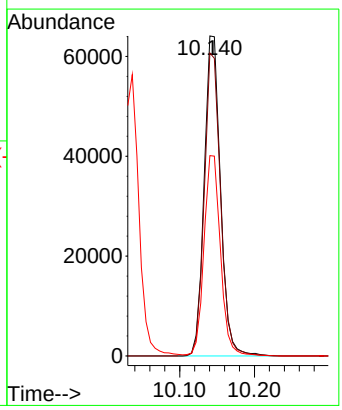
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

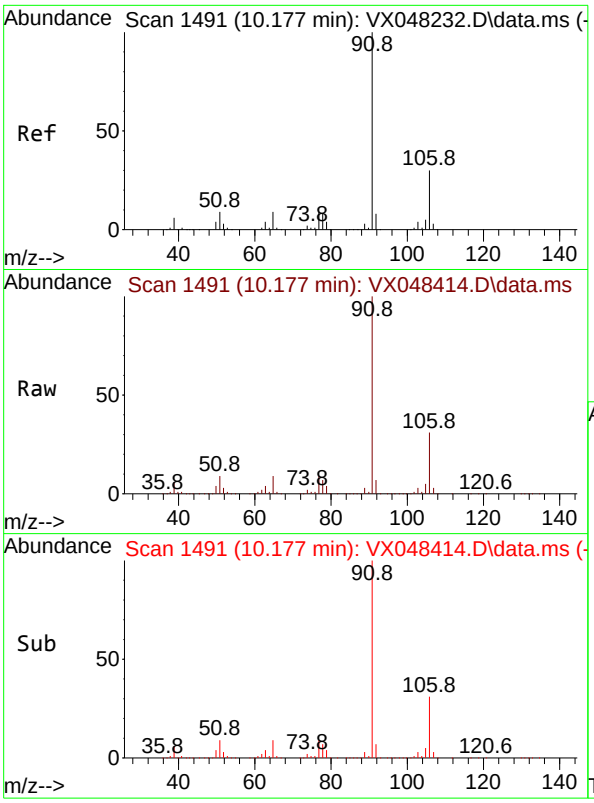


#66
1,1,1,2-Tetrachloroethane
Concen: 50.149 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:131 Resp: 97283

Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.6	142.8
119	63.3	32.5	97.5

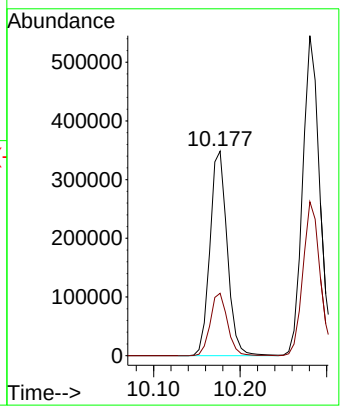




#67
Ethyl Benzene
Concen: 50.314 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 91 Resp: 48313

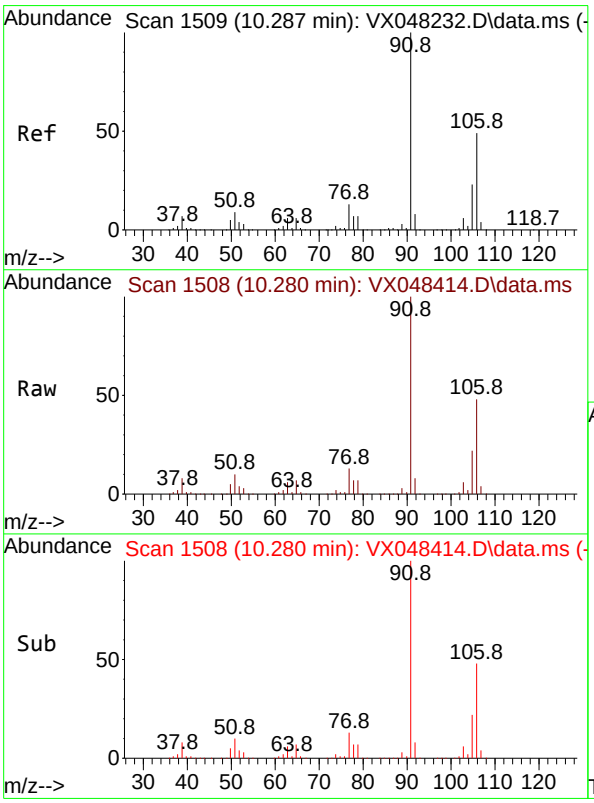
Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

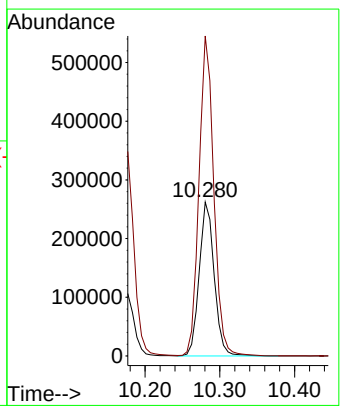
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

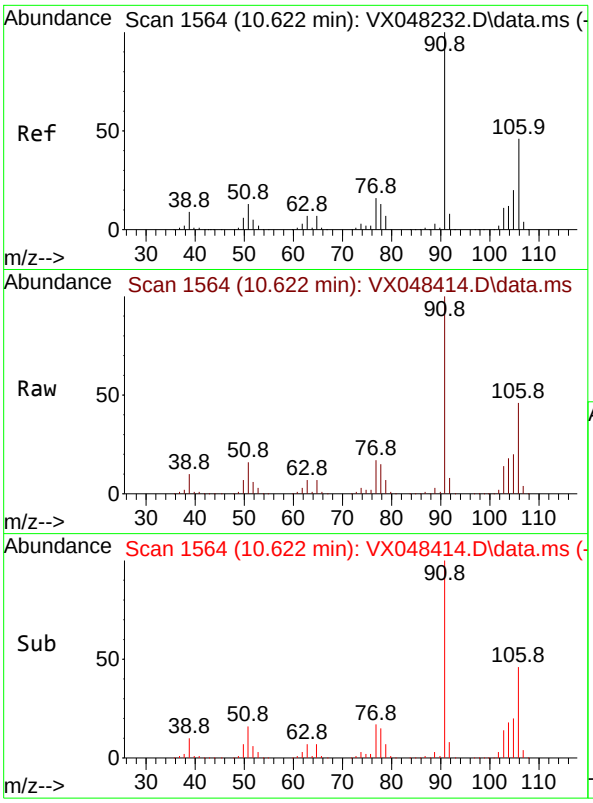


#68
m/p-Xylenes
Concen: 100.167 ug/l
RT: 10.280 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:106 Resp: 364180

Ion	Ratio	Lower	Upper
106	100		
91	205.9	167.9	251.9

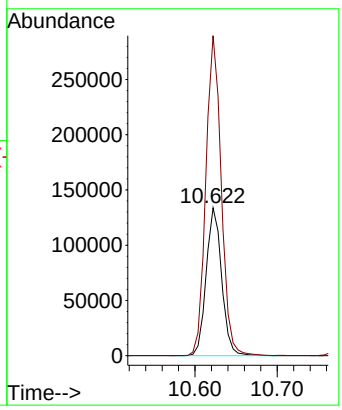




#69
o-Xylene
Concen: 50.358 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:106 Resp: 17496

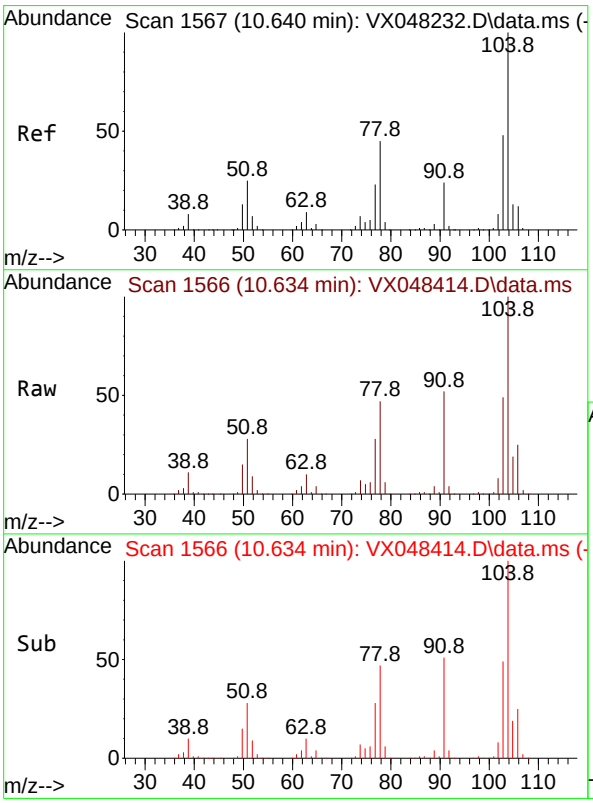
Ion	Ratio	Lower	Upper
106	100		
91	215.9	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

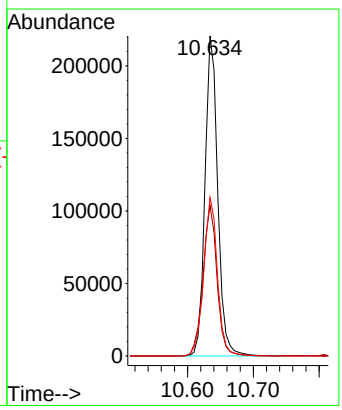
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

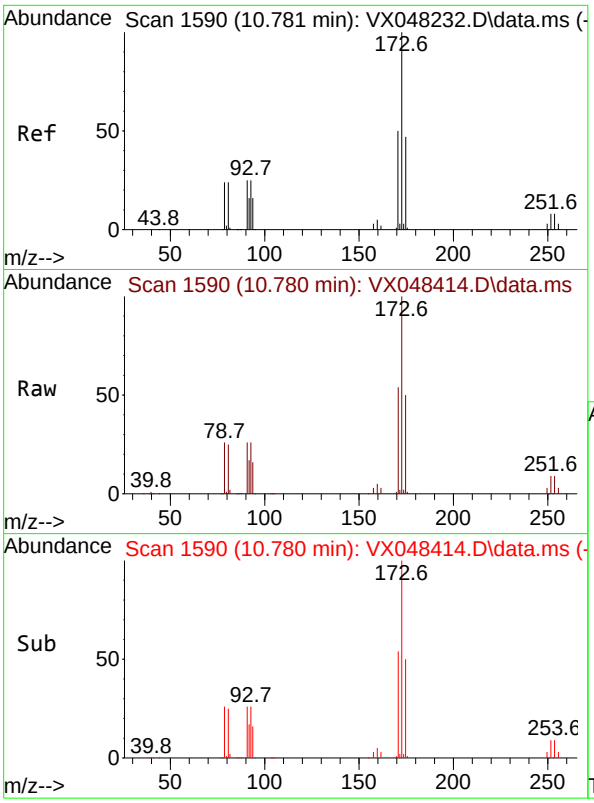


#70
Styrene
Concen: 50.557 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:104 Resp: 297560

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	53.6	43.0	64.4

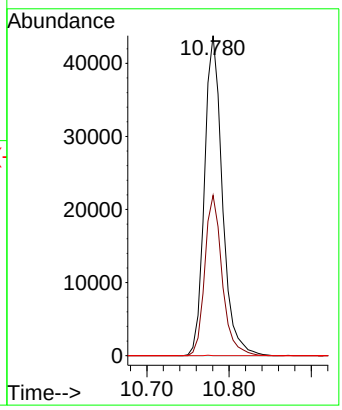




#71
Bromoform
Concen: 47.120 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:173 Resp: 6612

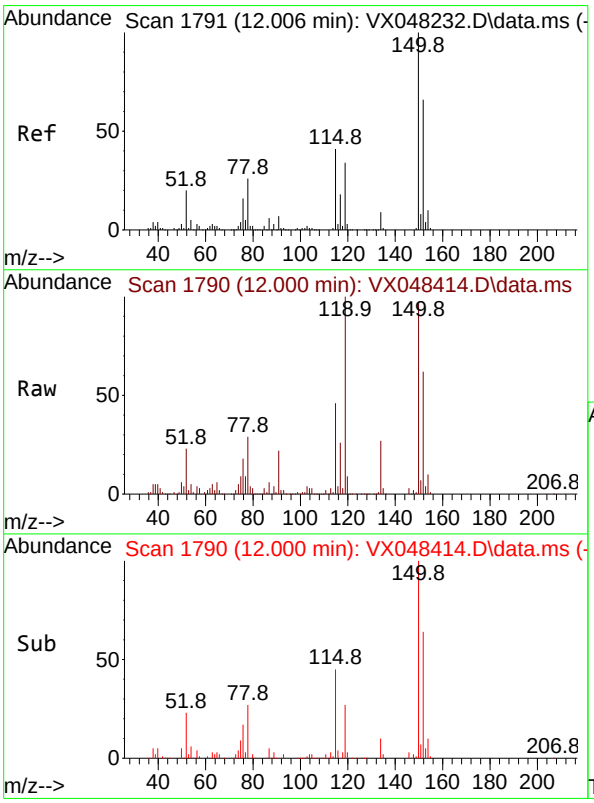
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.0	72.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

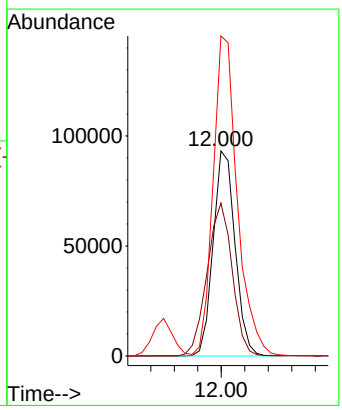
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

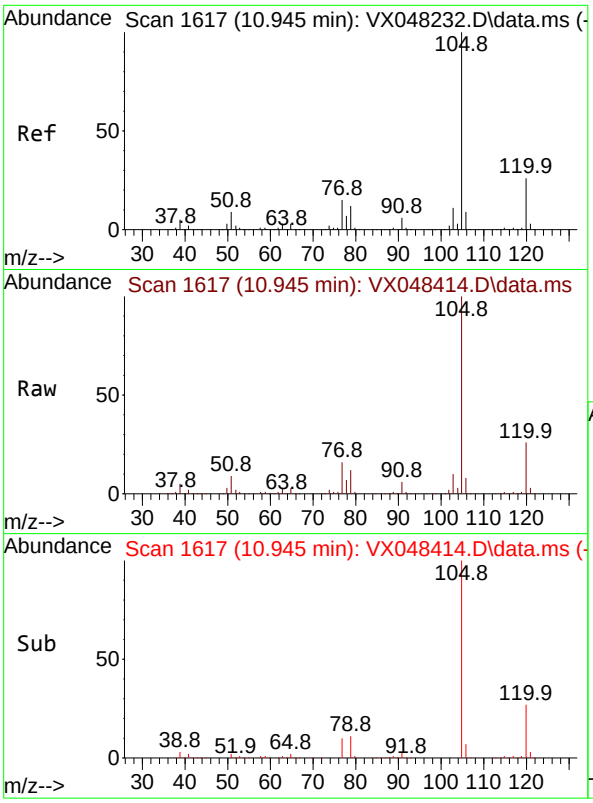


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:152 Resp: 120737

Ion	Ratio	Lower	Upper
152	100		
115	85.7	43.1	129.4
150	171.7	0.0	353.0

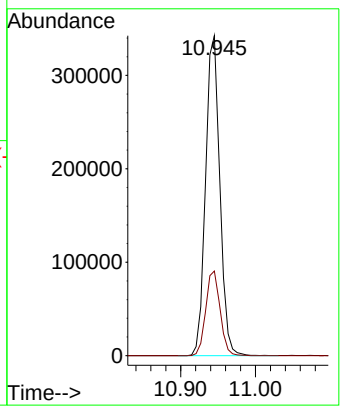




#73
Isopropylbenzene
Concen: 50.703 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:105 Resp: 45279

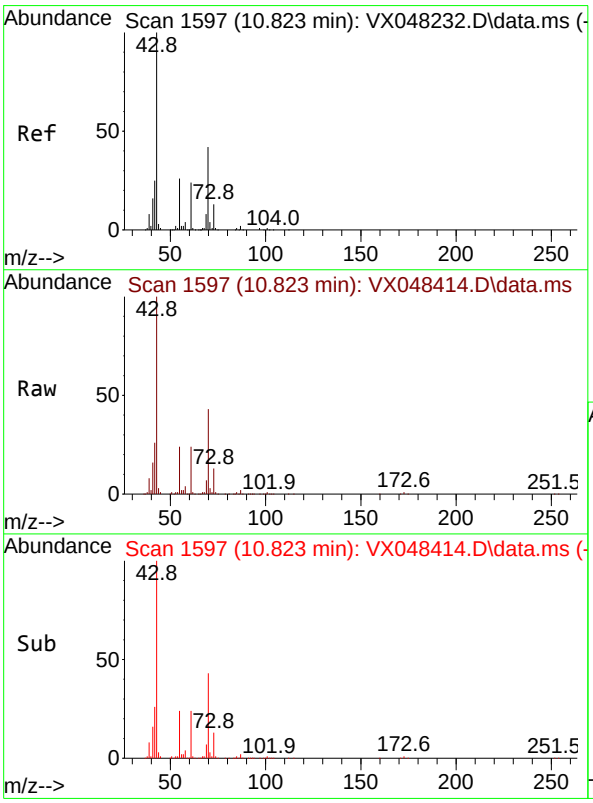
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

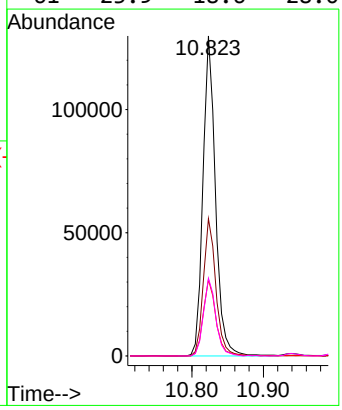
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

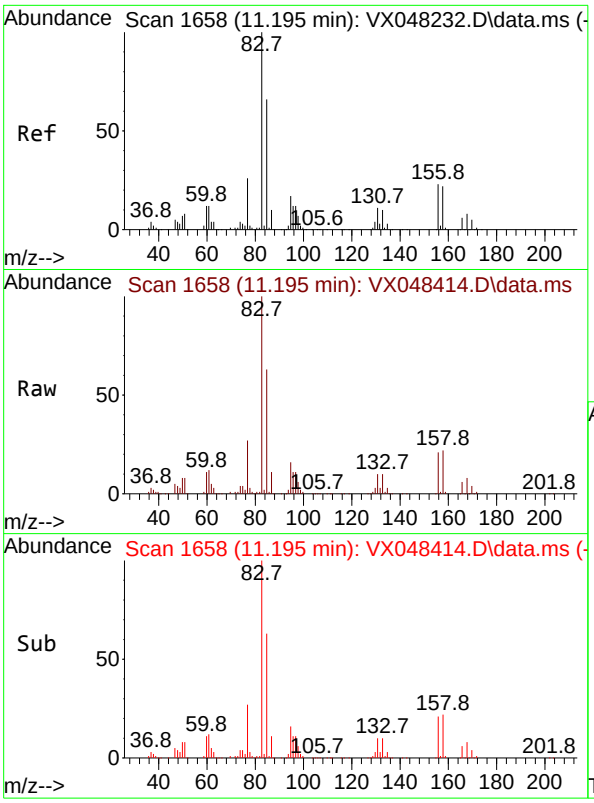


#74
N-amyl acetate
Concen: 49.685 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 43 Resp: 158286

Ion	Ratio	Lower	Upper
43	100		
70	43.1	32.2	48.2
55	24.5	19.1	28.7
61	23.9	18.6	28.0

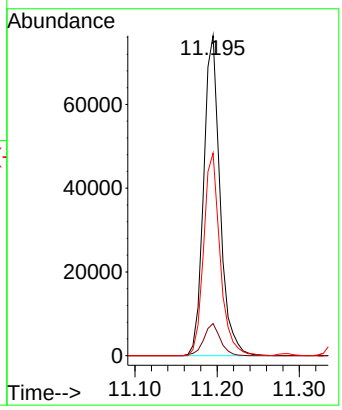




#75
1,1,2,2-Tetrachloroethane
Concen: 46.702 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 83 Resp: 10564

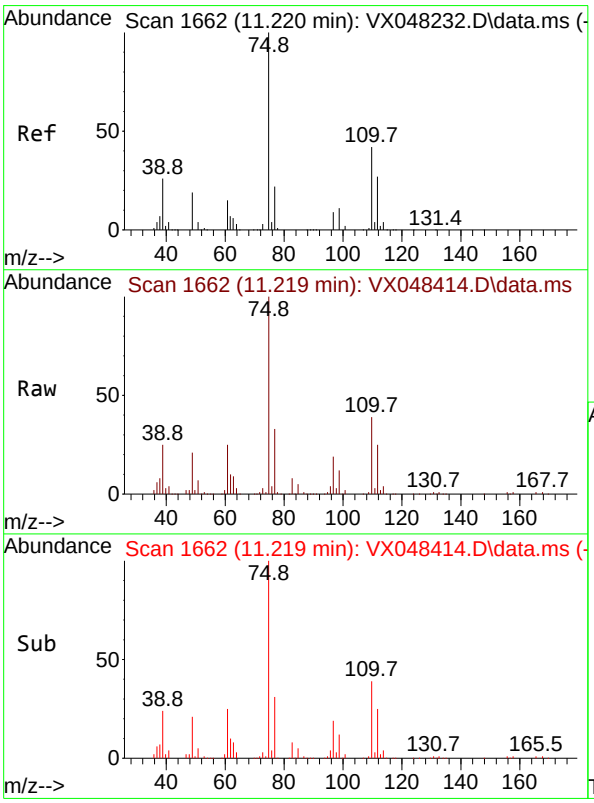
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.4
85	63.7	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

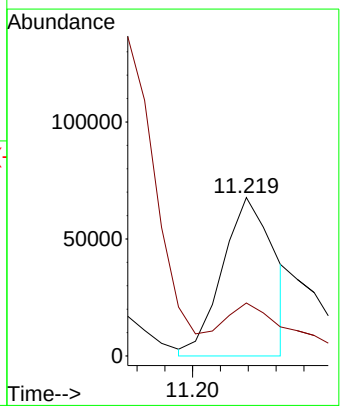
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

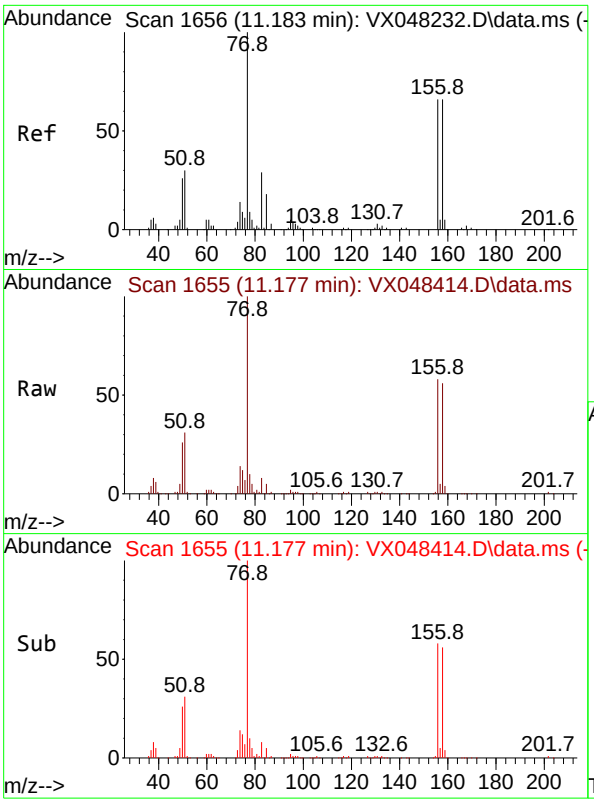


#76
1,2,3-Trichloropropane
Concen: 50.455 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 75 Resp: 87607

Ion	Ratio	Lower	Upper
75	100		
77	40.9	22.4	67.2

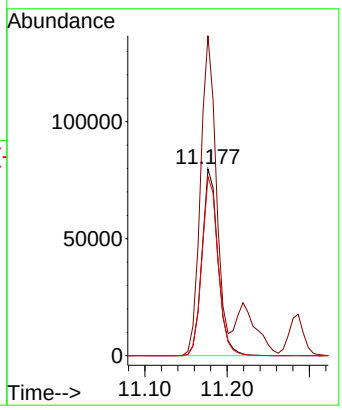




#77
Bromobenzene
Concen: 48.794 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:156 Resp: 10763

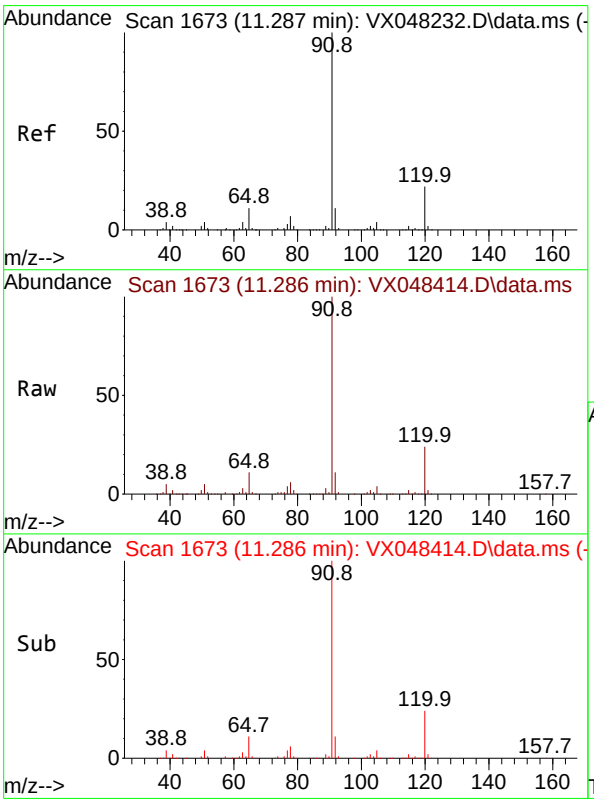
Ion	Ratio	Lower	Upper
156	100		
77	168.9	87.0	261.0
158	97.2	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

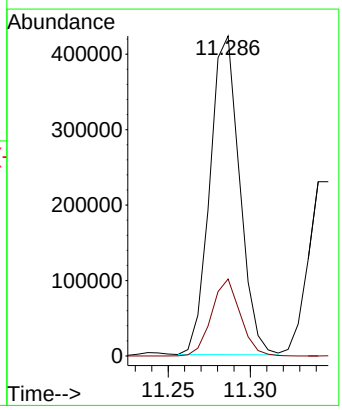
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

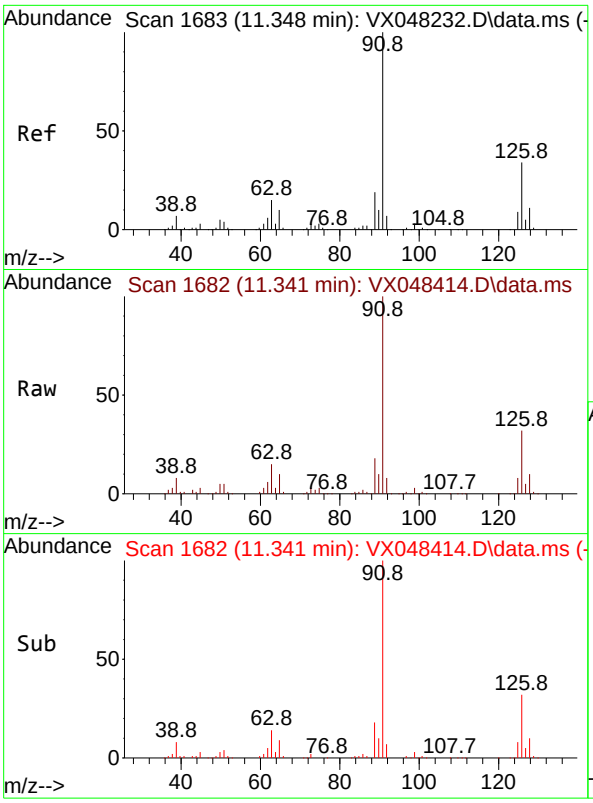


#78
n-propylbenzene
Concen: 50.412 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 91 Resp: 532087

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.1	33.1





#79
2-Chlorotoluene
Concen: 49.307 ug/l
RT: 11.341 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

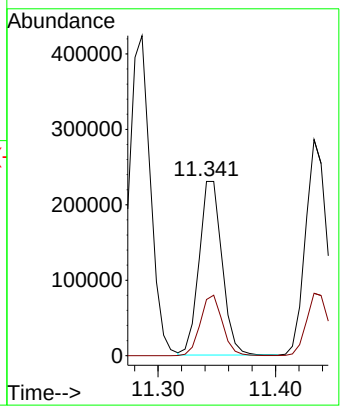
Tgt Ion: 91 Resp: 31246

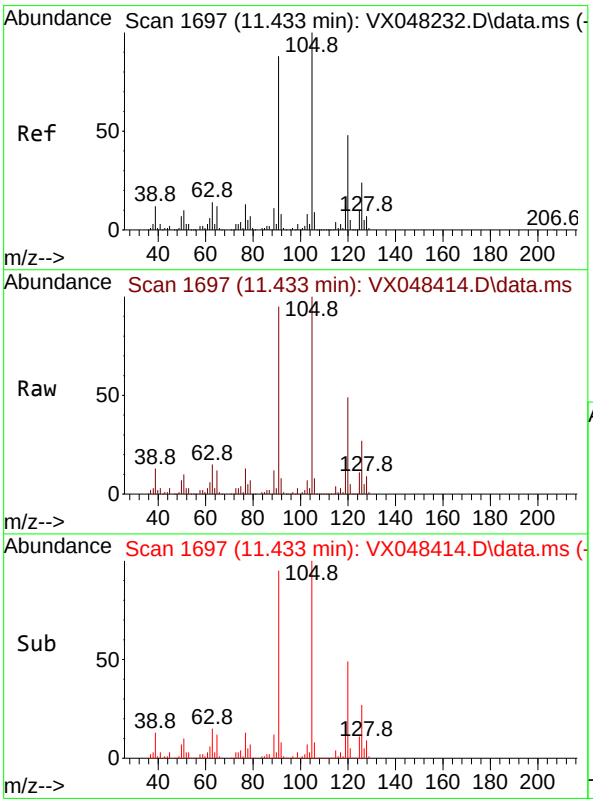
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
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Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

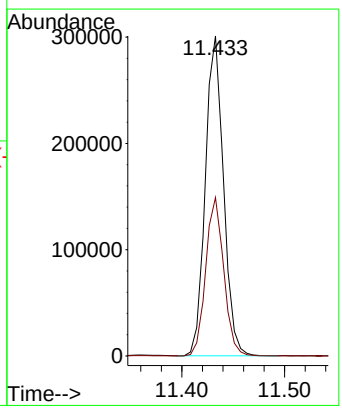


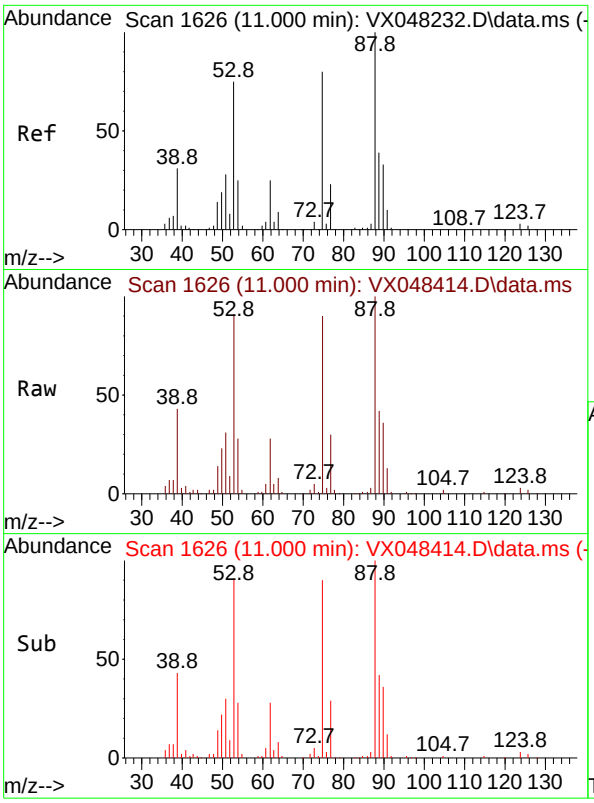


#80
1,3,5-Trimethylbenzene
Concen: 50.550 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:105 Resp: 370047

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.0	72.0

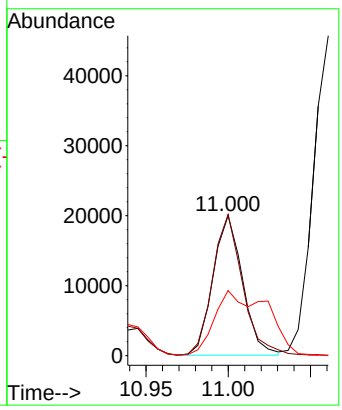




#81
trans-1,4-Dichloro-2-butene
Concen: 49.854 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 75 Resp: 2501

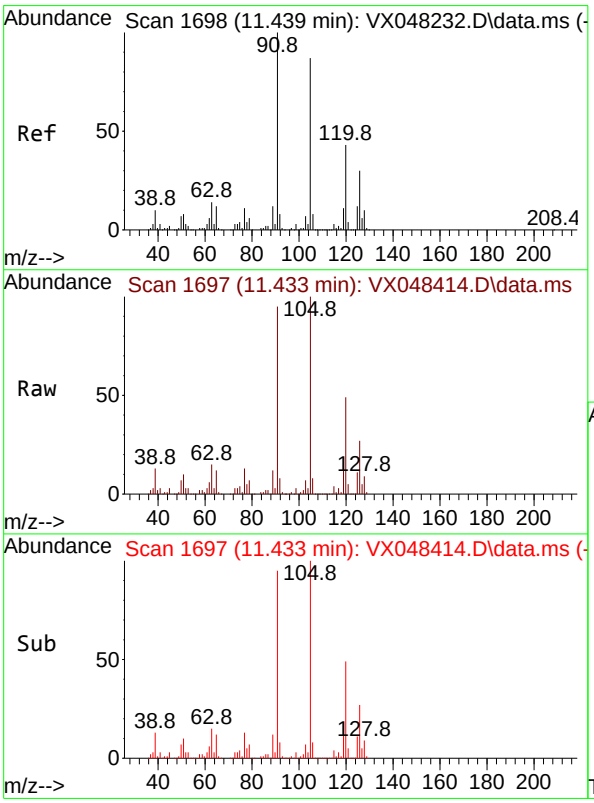
Ion	Ratio	Lower	Upper
75	100		
53	103.2	79.5	119.3
89	82.7	36.8	55.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

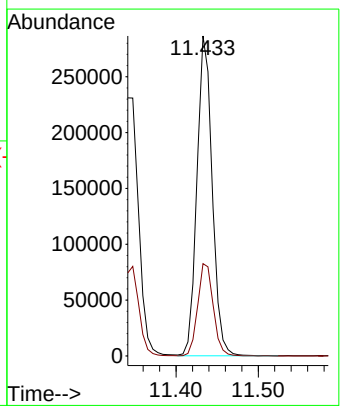
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

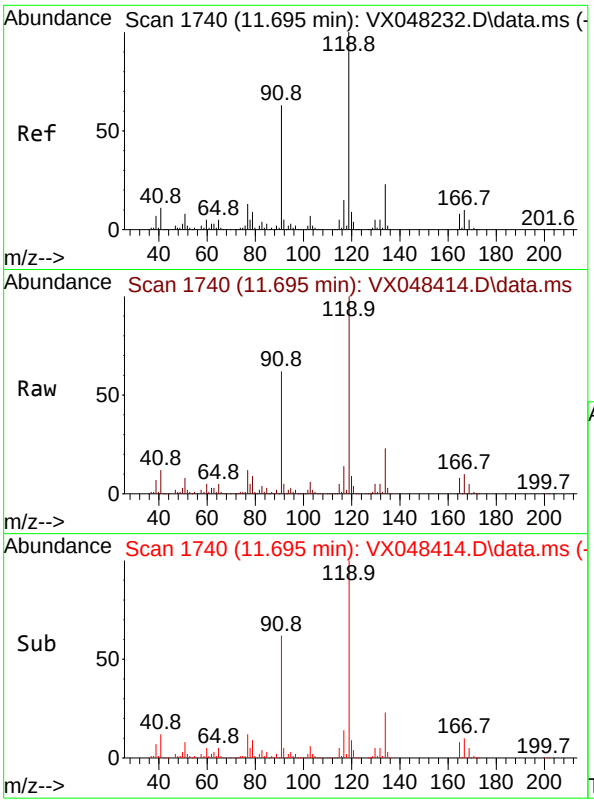


#82
4-Chlorotoluene
Concen: 49.510 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 91 Resp: 368839

Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.1	42.4

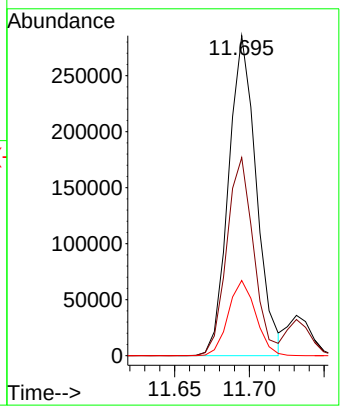




#83
tert-Butylbenzene
Concen: 49.509 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:119 Resp: 36896

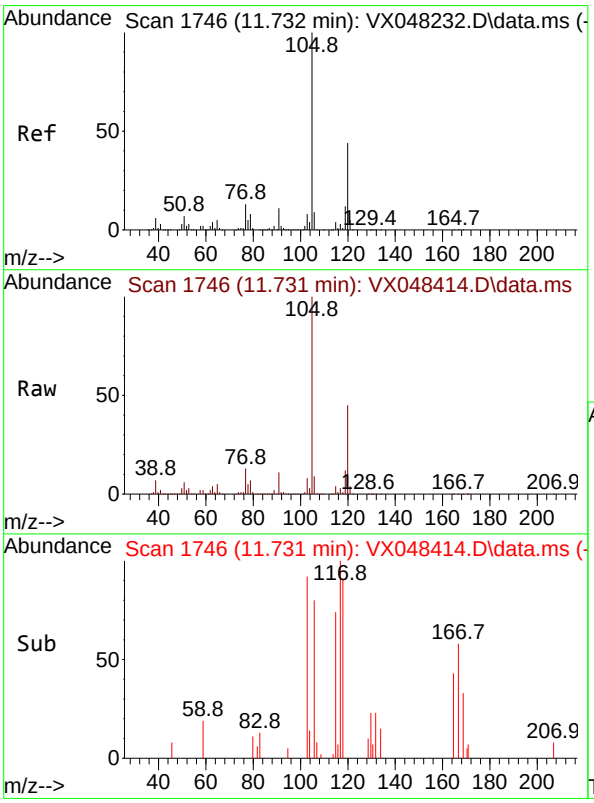
Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.3	91.0
134	23.2	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations APPROVED

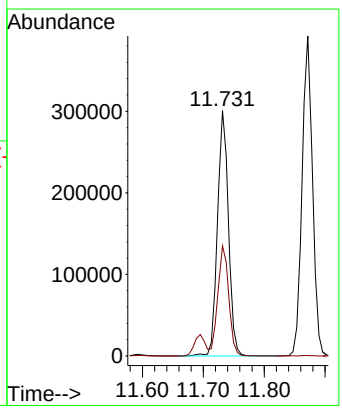
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

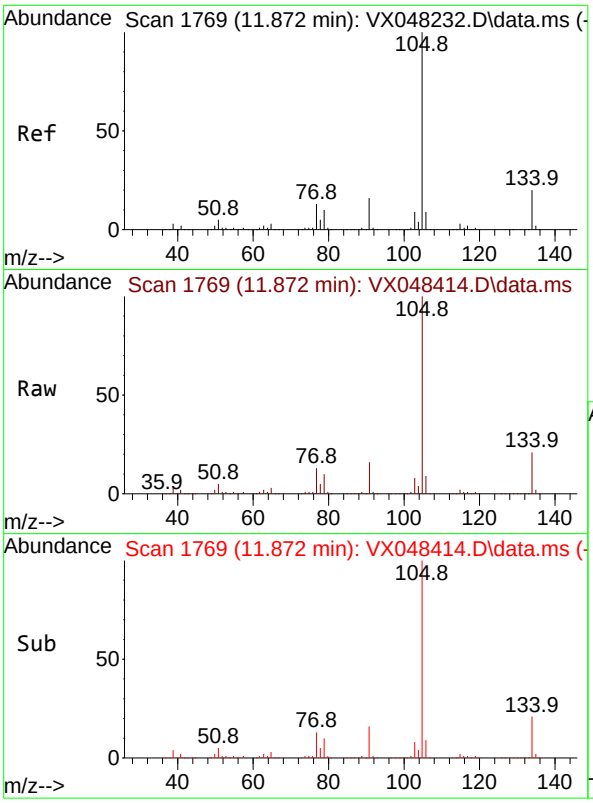


#84
1,2,4-Trimethylbenzene
Concen: 51.971 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:105 Resp: 376695

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.1	66.5

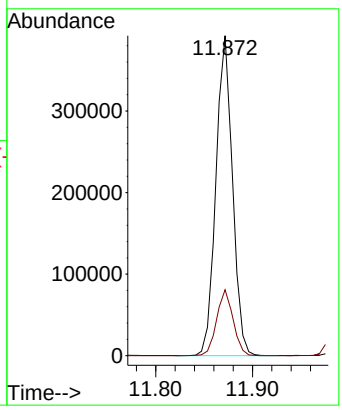




#85
sec-Butylbenzene
Concen: 50.138 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:105 Resp: 46558

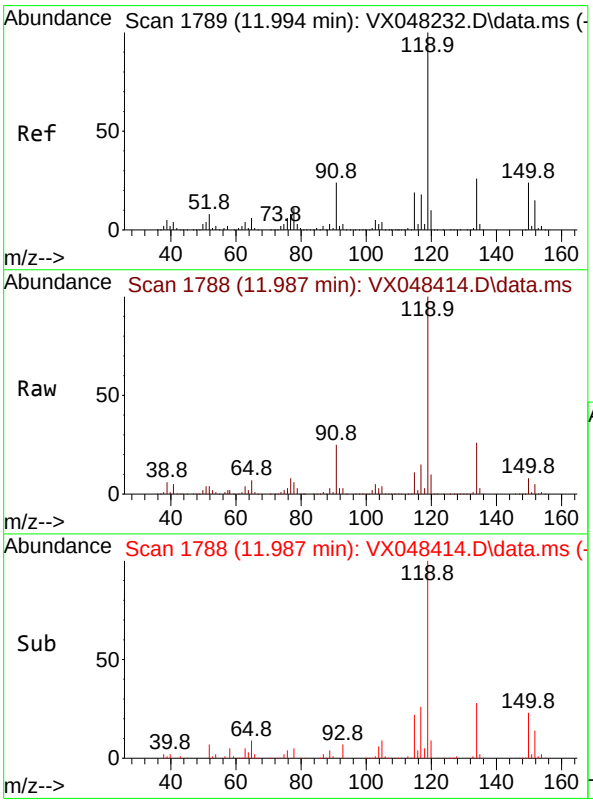
Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

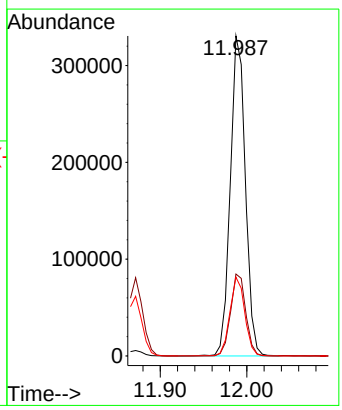
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

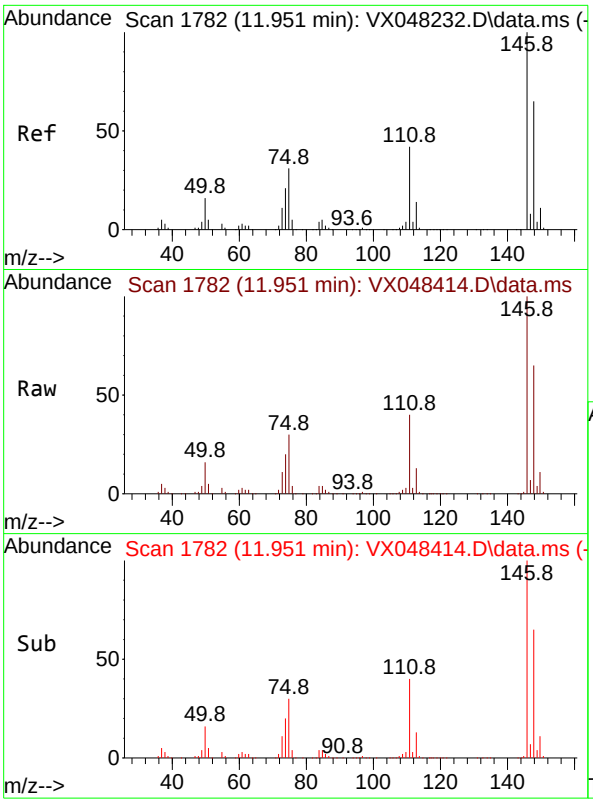


#86
p-Isopropyltoluene
Concen: 50.956 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:119 Resp: 400026

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	24.3	12.1	36.3

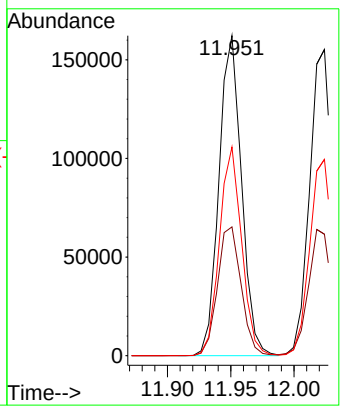




#87
1,3-Dichlorobenzene
Concen: 47.721 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:146 Resp: 20104

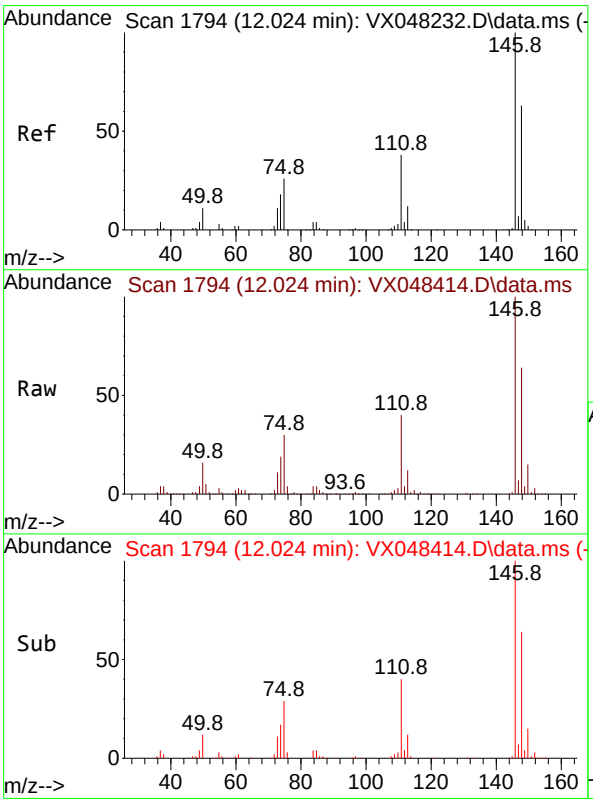
Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.2
148	64.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

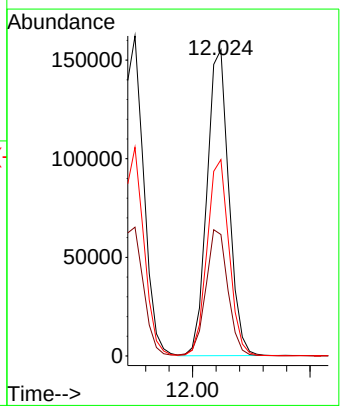
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

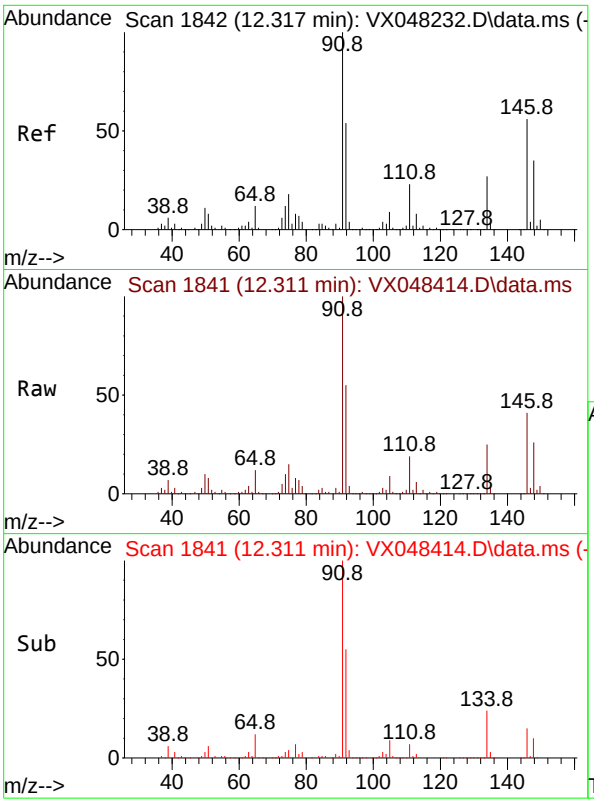


#88
1,4-Dichlorobenzene
Concen: 46.635 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:146 Resp: 200104

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.1	60.2
148	64.7	31.8	95.3

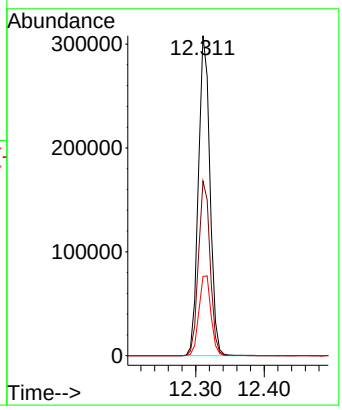




#89
n-Butylbenzene
Concen: 49.134 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 91 Resp: 36215

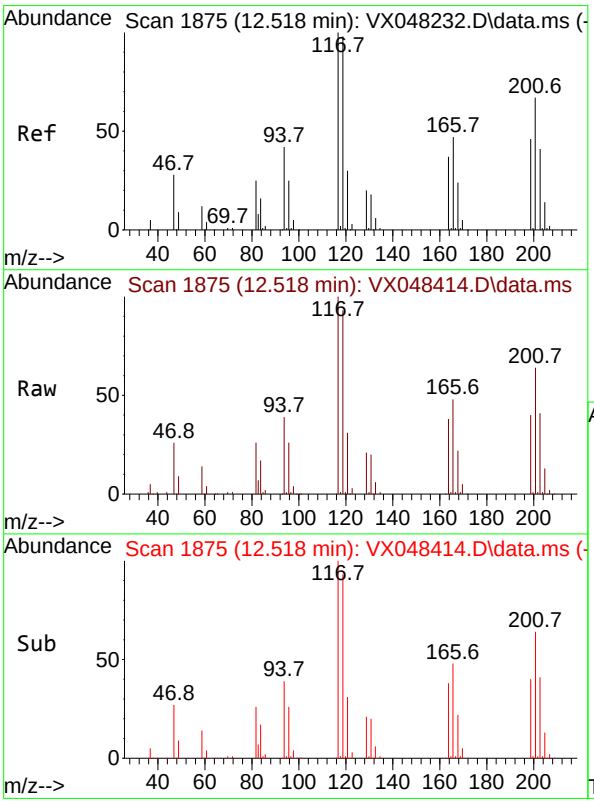
Ion	Ratio	Lower	Upper
91	100		
92	55.1	26.9	80.6
134	26.0	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

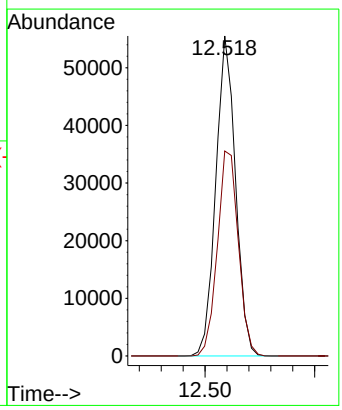
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

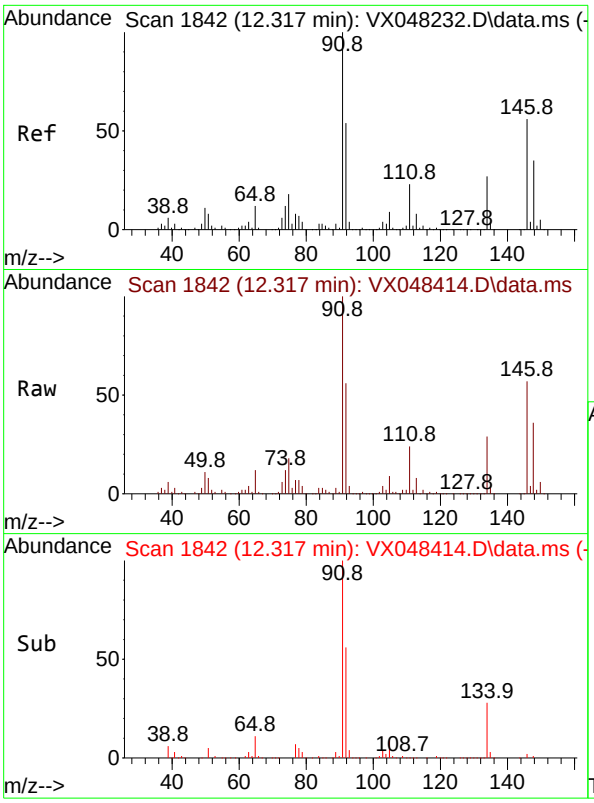


#90
Hexachloroethane
Concen: 50.310 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:117 Resp: 69400

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.1	102.2

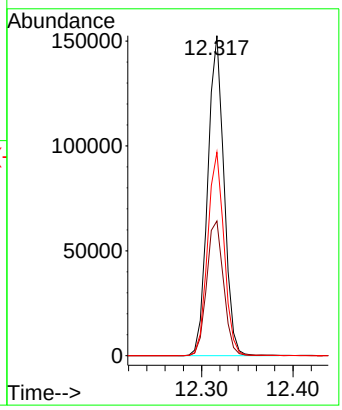




#91
1,2-Dichlorobenzene
Concen: 48.150 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:146 Resp: 18797

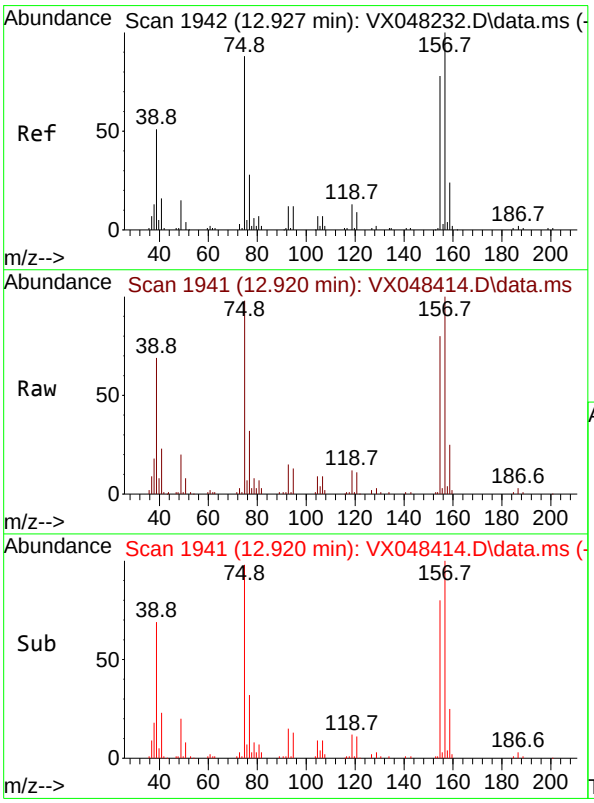
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	64.3	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

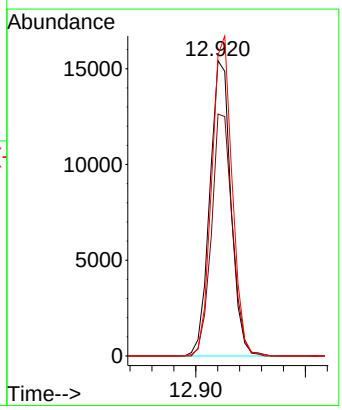
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

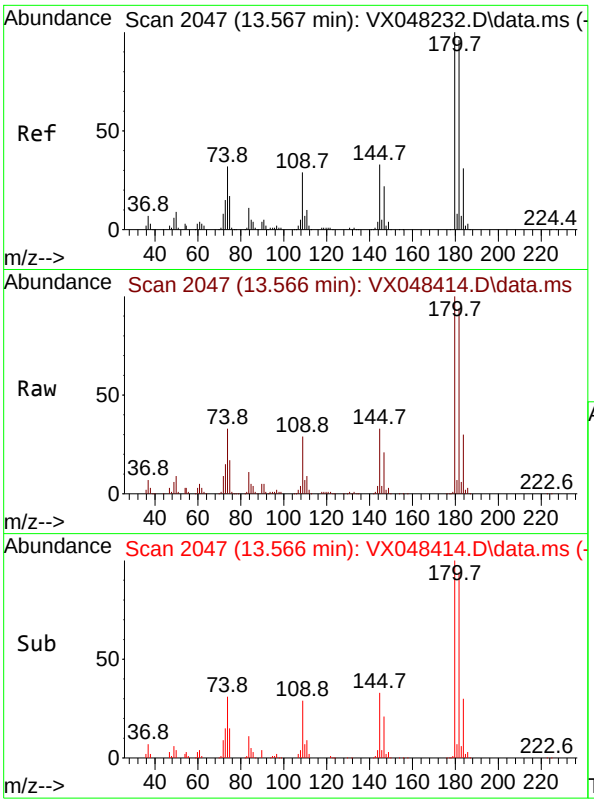


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.487 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion: 75 Resp: 20591

Ion	Ratio	Lower	Upper
75	100		
155	81.1	42.8	128.4
157	104.9	54.2	162.6

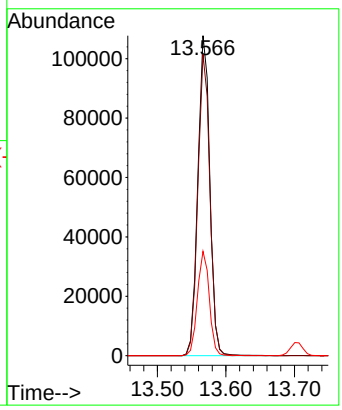




#93
1,2,4-Trichlorobenzene
Concen: 48.671 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:180 Resp: 13111

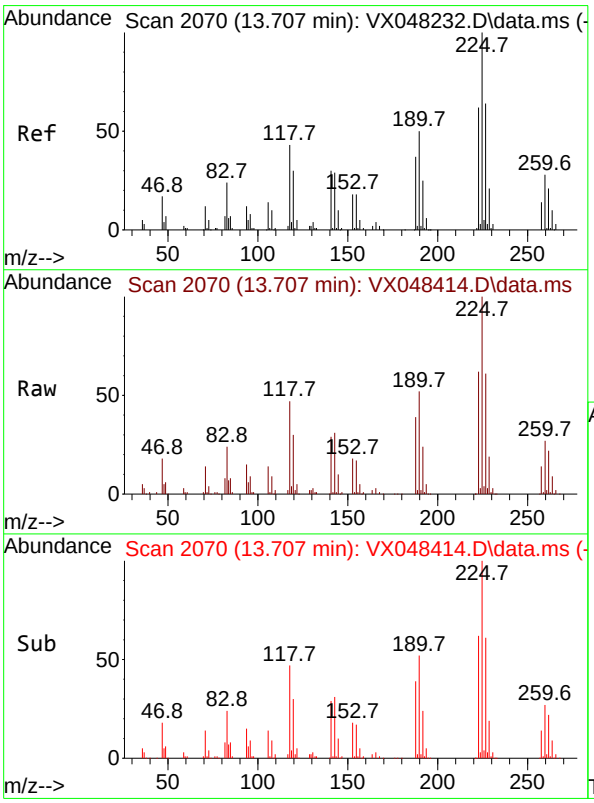
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	32.3	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

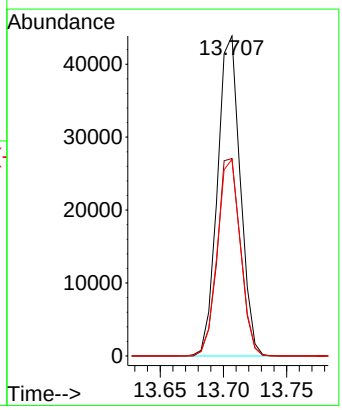
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025

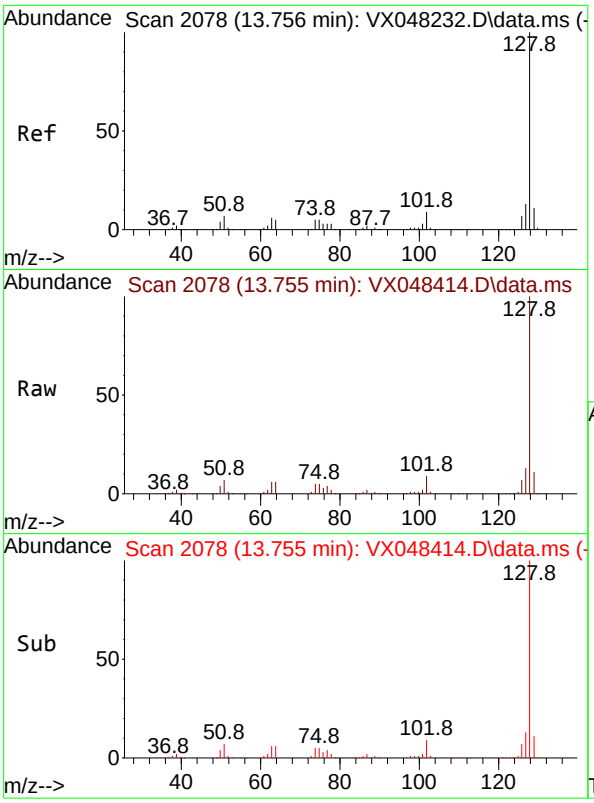


#94
Hexachlorobutadiene
Concen: 48.529 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:225 Resp: 54839

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.6	97.7
227	62.3	32.5	97.4

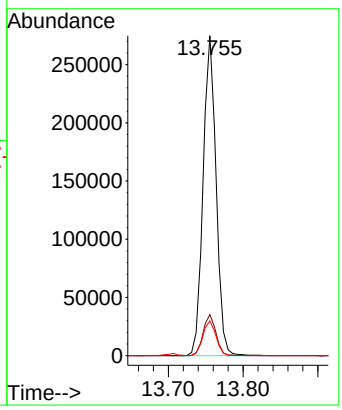




#95
Naphthalene
Concen: 48.726 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:128 Resp: 33152

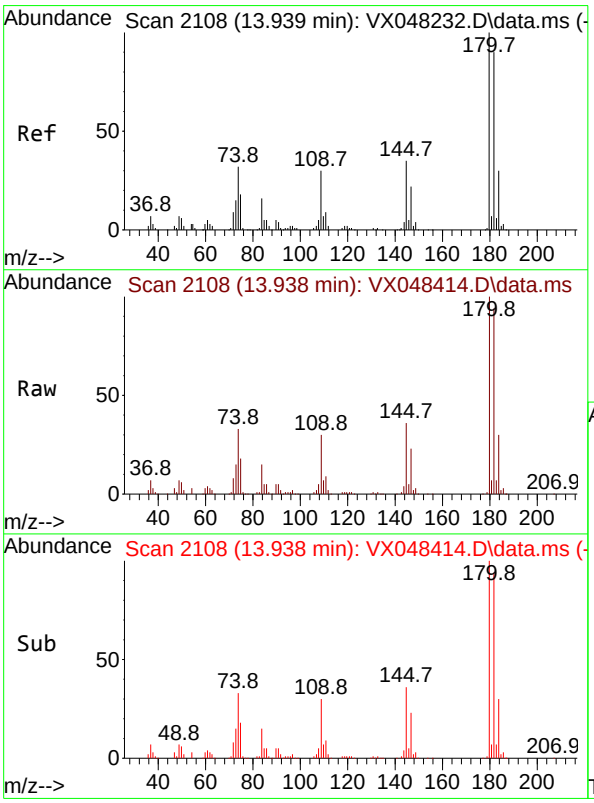
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Manual Integrations
APPROVED

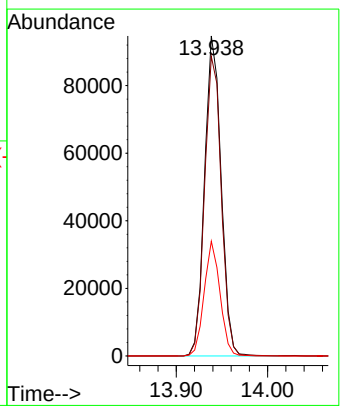
Reviewed By :Amit Patel 10/30/2025
Supervised By :Mahesh Dadoda 10/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.468 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048414.D
Acq: 29 Oct 2025 14:27

Tgt Ion:180 Resp: 118602

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.6	139.7
145	34.4	16.9	50.7



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048414.D
Acq On : 29 Oct 2025 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Quant Time: Oct 30 02:39:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 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	106	0.00
2	T	Dichlorodifluoromethane	0.510	0.520	-2.0	102	0.00
3	P	Chloromethane	0.288	0.296	-2.8	115	0.00
4	C	Vinyl Chloride	0.665	0.672	-1.1#	107	0.00
5	T	Bromomethane	0.240	0.253	-5.4	111	0.00
6	T	Chloroethane	0.395	0.388	1.8	105	0.00
7	T	Trichlorofluoromethane	1.019	1.022	-0.3	105	0.00
8	T	Diethyl Ether	0.368	0.363	1.4	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.573	0.572	0.2	103	0.00
10	T	Methyl Iodide	2.304	2.256	2.1	109	0.00
11	T	Tert butyl alcohol	0.055	0.050	9.1	100	-0.01
12	CM	1,1-Dichloroethene	0.582	0.580	0.3#	106	0.00
13	T	Acrolein	0.115	0.104	9.6	99	0.00
14	T	Allyl chloride	0.986	0.958	2.8	108	0.00
15	T	Acrylonitrile	0.251	0.241	4.0	103	0.00
16	T	Acetone	0.163	0.152	6.7	101	0.00
17	T	Carbon Disulfide	1.669	1.686	-1.0	107	0.00
18	T	Methyl Acetate	0.545	0.485	11.0	104	0.00
19	T	Methyl tert-butyl Ether	1.864	1.805	3.2	108	0.00
20	T	Methylene Chloride	0.628	0.618	1.6	109	0.00
21	T	trans-1,2-Dichloroethene	0.618	0.610	1.3	106	0.00
22	T	Diisopropyl ether	2.017	2.031	-0.7	109	0.00
23	T	Vinyl Acetate	1.373	1.360	0.9	108	-0.01
24	P	1,1-Dichloroethane	1.145	1.129	1.4	108	0.00
25	T	2-Butanone	0.260	0.243	6.5	100	-0.01
26	T	2,2-Dichloropropane	0.986	0.954	3.2	106	-0.01
27	T	cis-1,2-Dichloroethene	0.738	0.730	1.1	109	0.00
28	T	Bromochloromethane	0.519	0.519	0.0	107	-0.02
29	T	Tetrahydrofuran	0.185	0.166	10.3	97	-0.02
30	C	Chloroform	1.178	1.133	3.8#	106	-0.01
31	T	Cyclohexane	0.994	0.975	1.9	102	-0.01
32	T	1,1,1-Trichloroethane	1.040	1.023	1.6	105	-0.01
33	S	1,2-Dichloroethane-d4	0.719	0.669	7.0	105	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.285	0.266	6.7	105	-0.01
36	T	1,1-Dichloropropene	0.479	0.474	1.0	106	-0.01
37	T	Ethyl Acetate	0.408	0.382	6.4	101	-0.01
38	T	Carbon Tetrachloride	0.553	0.530	4.2	103	-0.01
39	T	Methylcyclohexane	0.616	0.597	3.1	98	0.00
40	TM	Benzene	1.462	1.429	2.3	106	-0.01
41	T	Methacrylonitrile	0.205	0.196	4.4	99	-0.02
42	TM	1,2-Dichloroethane	0.515	0.495	3.9	108	-0.01
43	T	Isopropyl Acetate	0.673	0.630	6.4	102	-0.01
44	TM	Trichloroethene	0.383	0.373	2.6	106	0.00
45	C	1,2-Dichloropropane	0.365	0.349	4.4#	105	0.00
46	T	Dibromomethane	0.256	0.246	3.9	106	0.00
47	T	Bromodichloromethane	0.543	0.531	2.2	108	0.00
48	T	Methyl methacrylate	0.328	0.318	3.0	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048414.D
Acq On : 29 Oct 2025 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Quant Time: Oct 30 02:39:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.004	0.0	101	0.00
50	S	Toluene-d8	1.258	1.171	6.9	104	0.00
51	T	4-Methyl-2-Pentanone	0.375	0.342	8.8	99	0.00
52	CM	Toluene	0.914	0.891	2.5#	104	0.00
53	T	t-1,3-Dichloropropene	0.492	0.491	0.2	108	0.00
54	T	cis-1,3-Dichloropropene	0.531	0.522	1.7	109	0.00
55	T	1,1,2-Trichloroethane	0.331	0.314	5.1	105	0.00
56	T	Ethyl methacrylate	0.484	0.471	2.7	104	0.00
57	T	1,3-Dichloropropane	0.573	0.545	4.9	104	0.00
58	T	2-Chloroethyl Vinyl ether	0.251	0.254	-1.2	98	0.00
59	T	2-Hexanone	0.244	0.228	6.6	99	0.00
60	T	Dibromochloromethane	0.409	0.394	3.7	105	0.00
61	T	1,2-Dibromoethane	0.342	0.322	5.8	103	0.00
62	S	4-Bromofluorobenzene	0.471	0.427	9.3	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.403	0.384	4.7	104	0.00
65	PM	Chlorobenzene	1.152	1.119	2.9	106	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.393	-0.3	108	0.00
67	C	Ethyl Benzene	1.940	1.952	-0.6#	106	0.00
68	T	m/p-Xylenes	0.734	0.736	-0.3	103	0.00
69	T	o-Xylene	0.702	0.707	-0.7	105	0.00
70	T	Styrene	1.189	1.202	-1.1	106	0.00
71	P	Bromoform	0.283	0.267	5.7	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.698	3.750	-1.4	104	0.00
74	T	N-amyl acetate	1.319	1.311	0.6	102	0.00
75	P	1,1,2,2-Tetrachloroethane	0.937	0.875	6.6	101	0.00
76	T	1,2,3-Trichloropropane	0.719	0.726	-1.0	104	0.00
77	T	Bromobenzene	0.914	0.892	2.4	104	0.00
78	T	n-propylbenzene	4.371	4.407	-0.8	102	0.00
79	T	2-Chlorotoluene	2.624	2.588	1.4	104	0.00
80	T	1,3,5-Trimethylbenzene	3.032	3.065	-1.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.208	0.207	0.5	106	0.00
82	T	4-Chlorotoluene	3.085	3.055	1.0	104	0.00
83	T	tert-Butylbenzene	3.086	3.056	1.0	101	0.00
84	T	1,2,4-Trimethylbenzene	3.002	3.120	-3.9	106	0.00
85	T	sec-Butylbenzene	3.846	3.856	-0.3	102	0.00
86	T	p-Isopropyltoluene	3.251	3.313	-1.9	103	0.00
87	T	1,3-Dichlorobenzene	1.745	1.665	4.6	105	0.00
88	T	1,4-Dichlorobenzene	1.777	1.657	6.8	103	0.00
89	T	n-Butylbenzene	3.052	3.000	1.7	101	0.00
90	T	Hexachloroethane	0.571	0.575	-0.7	103	0.00
91	T	1,2-Dichlorobenzene	1.617	1.557	3.7	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.183	0.171	6.6	97	0.00
93	T	1,2,4-Trichlorobenzene	1.116	1.086	2.7	104	0.00
94	T	Hexachlorobutadiene	0.468	0.454	3.0	101	0.00
95	T	Naphthalene	2.818	2.746	2.6	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048414.D
Acq On : 29 Oct 2025 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Quant Time: Oct 30 02:39:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.013	0.982	3.1	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048414.D
Acq On : 29 Oct 2025 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Quant Time: Oct 30 02:39:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 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	106	0.00
2	T	Dichlorodifluoromethane	50.000	50.937	-1.9	102	0.00
3	P	Chloromethane	50.000	51.381	-2.8	115	0.00
4	C	Vinyl Chloride	50.000	50.568	-1.1#	107	0.00
5	T	Bromomethane	50.000	52.651	-5.3	111	0.00
6	T	Chloroethane	50.000	49.122	1.8	105	0.00
7	T	Trichlorofluoromethane	50.000	50.180	-0.4	105	0.00
8	T	Diethyl Ether	50.000	49.323	1.4	110	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.927	0.1	103	0.00
10	T	Methyl Iodide	50.000	48.964	2.1	109	0.00
11	T	Tert butyl alcohol	250.000	227.013	9.2	100	-0.01
12	CM	1,1-Dichloroethene	50.000	49.864	0.3#	106	0.00
13	T	Acrolein	250.000	226.874	9.3	99	0.00
14	T	Allyl chloride	50.000	48.584	2.8	108	0.00
15	T	Acrylonitrile	250.000	239.972	4.0	103	0.00
16	T	Acetone	250.000	233.060	6.8	101	0.00
17	T	Carbon Disulfide	50.000	50.529	-1.1	107	0.00
18	T	Methyl Acetate	50.000	44.525	11.0	104	0.00
19	T	Methyl tert-butyl Ether	50.000	48.420	3.2	108	0.00
20	T	Methylene Chloride	50.000	49.180	1.6	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.318	1.4	106	0.00
22	T	Diisopropyl ether	50.000	50.345	-0.7	109	0.00
23	T	Vinyl Acetate	250.000	247.515	1.0	108	-0.01
24	P	1,1-Dichloroethane	50.000	49.311	1.4	108	0.00
25	T	2-Butanone	250.000	233.069	6.8	100	-0.01
26	T	2,2-Dichloropropane	50.000	48.409	3.2	106	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.483	1.0	109	0.00
28	T	Bromochloromethane	50.000	49.998	0.0	107	-0.02
29	T	Tetrahydrofuran	250.000	223.415	10.6	97	-0.02
30	C	Chloroform	50.000	48.085	3.8#	106	-0.01
31	T	Cyclohexane	50.000	49.045	1.9	102	-0.01
32	T	1,1,1-Trichloroethane	50.000	49.209	1.6	105	-0.01
33	S	1,2-Dichloroethane-d4	50.000	46.518	7.0	105	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	46.599	6.8	105	-0.01
36	T	1,1-Dichloropropene	50.000	49.543	0.9	106	-0.01
37	T	Ethyl Acetate	50.000	46.775	6.5	101	-0.01
38	T	Carbon Tetrachloride	50.000	47.932	4.1	103	-0.01
39	T	Methylcyclohexane	50.000	48.502	3.0	98	0.00
40	TM	Benzene	50.000	48.853	2.3	106	-0.01
41	T	Methacrylonitrile	50.000	47.600	4.8	99	-0.02
42	TM	1,2-Dichloroethane	50.000	48.040	3.9	108	-0.01
43	T	Isopropyl Acetate	50.000	46.749	6.5	102	-0.01
44	TM	Trichloroethene	50.000	48.636	2.7	106	0.00
45	C	1,2-Dichloropropane	50.000	47.756	4.5#	105	0.00
46	T	Dibromomethane	50.000	48.082	3.8	106	0.00
47	T	Bromodichloromethane	50.000	48.913	2.2	108	0.00
48	T	Methyl methacrylate	50.000	48.394	3.2	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048414.D
Acq On : 29 Oct 2025 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Quant Time: Oct 30 02:39:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 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	977.625	2.2	101	0.00
50	S	Toluene-d8	50.000	46.543	6.9	104	0.00
51	T	4-Methyl-2-Pentanone	250.000	227.914	8.8	99	0.00
52	CM	Toluene	50.000	48.734	2.5#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	49.836	0.3	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.233	1.5	109	0.00
55	T	1,1,2-Trichloroethane	50.000	47.464	5.1	105	0.00
56	T	Ethyl methacrylate	50.000	48.593	2.8	104	0.00
57	T	1,3-Dichloropropane	50.000	47.520	5.0	104	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	221.341	11.5	98	0.00
59	T	2-Hexanone	250.000	233.382	6.6	99	0.00
60	T	Dibromochloromethane	50.000	48.209	3.6	105	0.00
61	T	1,2-Dibromoethane	50.000	47.024	6.0	103	0.00
62	S	4-Bromofluorobenzene	50.000	45.358	9.3	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	47.723	4.6	104	0.00
65	PM	Chlorobenzene	50.000	48.554	2.9	106	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.149	-0.3	108	0.00
67	C	Ethyl Benzene	50.000	50.314	-0.6#	106	0.00
68	T	m/p-Xylenes	100.000	100.167	-0.2	103	0.00
69	T	o-Xylene	50.000	50.358	-0.7	105	0.00
70	T	Styrene	50.000	50.557	-1.1	106	0.00
71	P	Bromoform	50.000	47.120	5.8	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	50.703	-1.4	104	0.00
74	T	N-amyl acetate	50.000	49.685	0.6	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.702	6.6	101	0.00
76	T	1,2,3-Trichloropropane	50.000	50.455	-0.9	104	0.00
77	T	Bromobenzene	50.000	48.794	2.4	104	0.00
78	T	n-propylbenzene	50.000	50.412	-0.8	102	0.00
79	T	2-Chlorotoluene	50.000	49.307	1.4	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.550	-1.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.854	0.3	106	0.00
82	T	4-Chlorotoluene	50.000	49.510	1.0	104	0.00
83	T	tert-Butylbenzene	50.000	49.509	1.0	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.971	-3.9	106	0.00
85	T	sec-Butylbenzene	50.000	50.138	-0.3	102	0.00
86	T	p-Isopropyltoluene	50.000	50.956	-1.9	103	0.00
87	T	1,3-Dichlorobenzene	50.000	47.721	4.6	105	0.00
88	T	1,4-Dichlorobenzene	50.000	46.635	6.7	103	0.00
89	T	n-Butylbenzene	50.000	49.134	1.7	101	0.00
90	T	Hexachloroethane	50.000	50.310	-0.6	103	0.00
91	T	1,2-Dichlorobenzene	50.000	48.150	3.7	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.487	7.0	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.671	2.7	104	0.00
94	T	Hexachlorobutadiene	50.000	48.529	2.9	101	0.00
95	T	Naphthalene	50.000	48.726	2.5	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048414.D
Acq On : 29 Oct 2025 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102925

Quant Time: Oct 30 02:39:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.468	3.1	101	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.: Q3422

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.

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.: Q3422

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

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

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

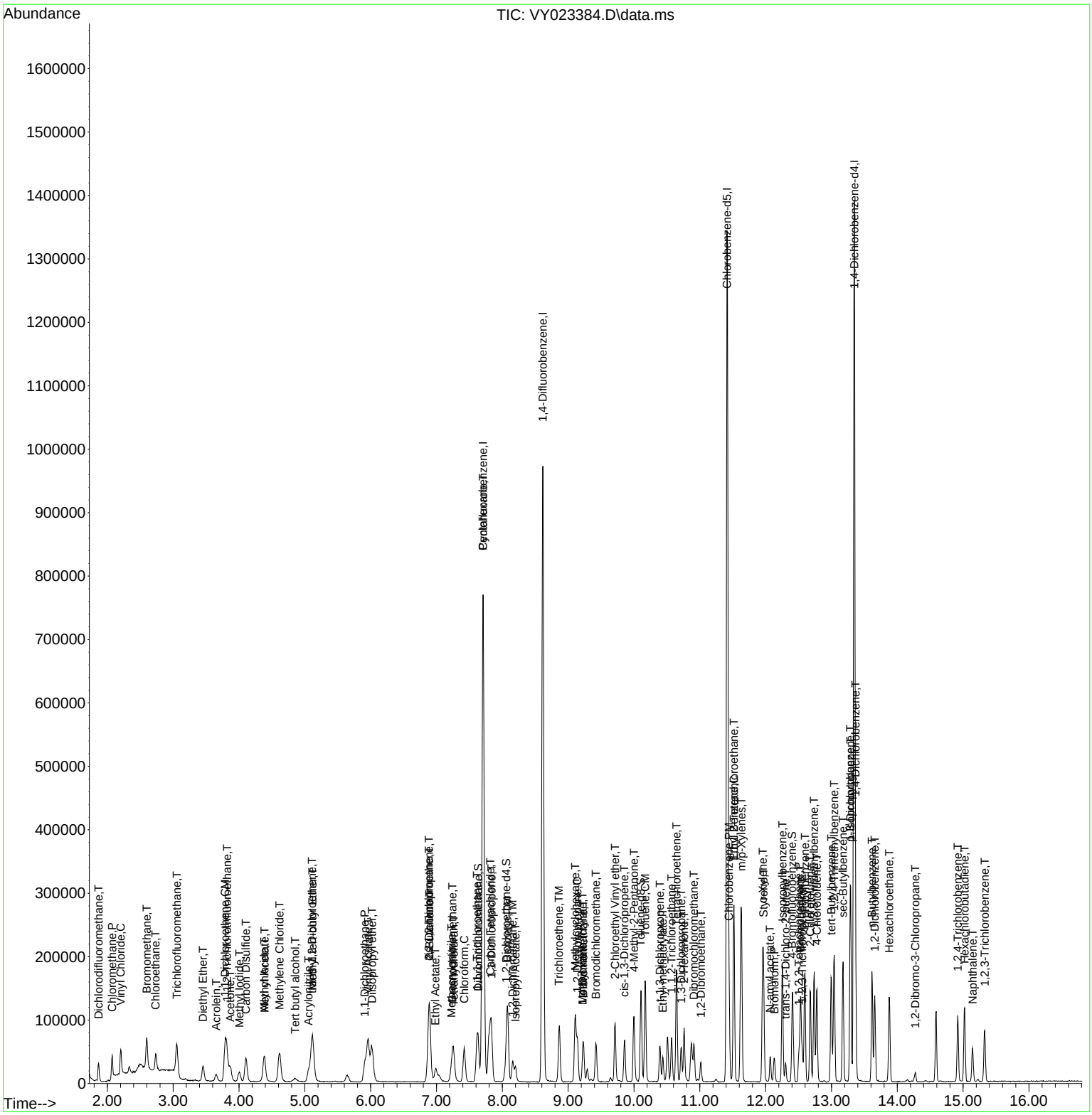
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023384.D
Acq On : 07 Oct 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

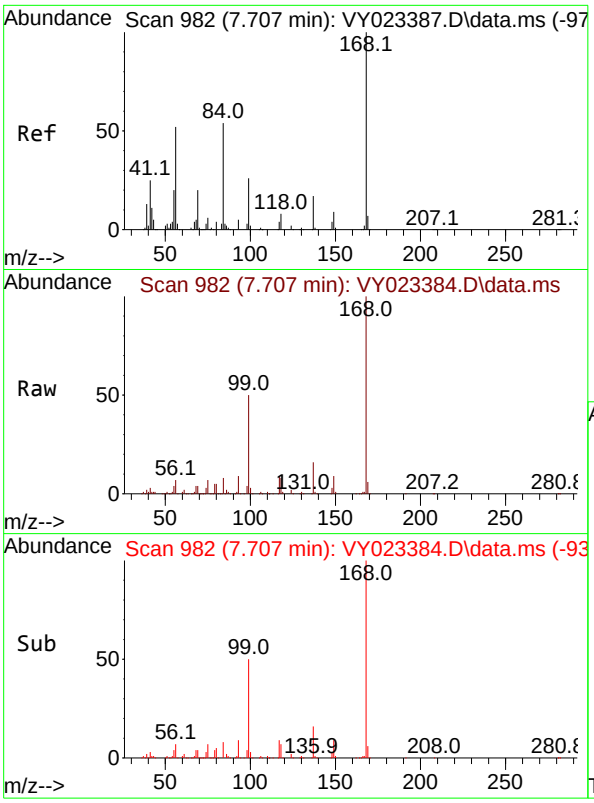
Quant Time: Oct 08 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

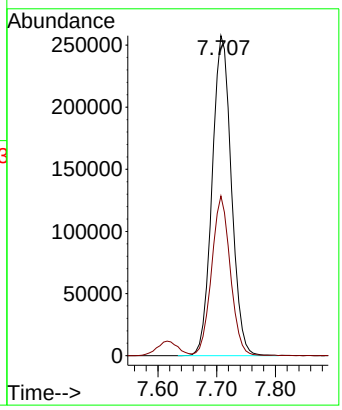




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:168 Resp: 58571

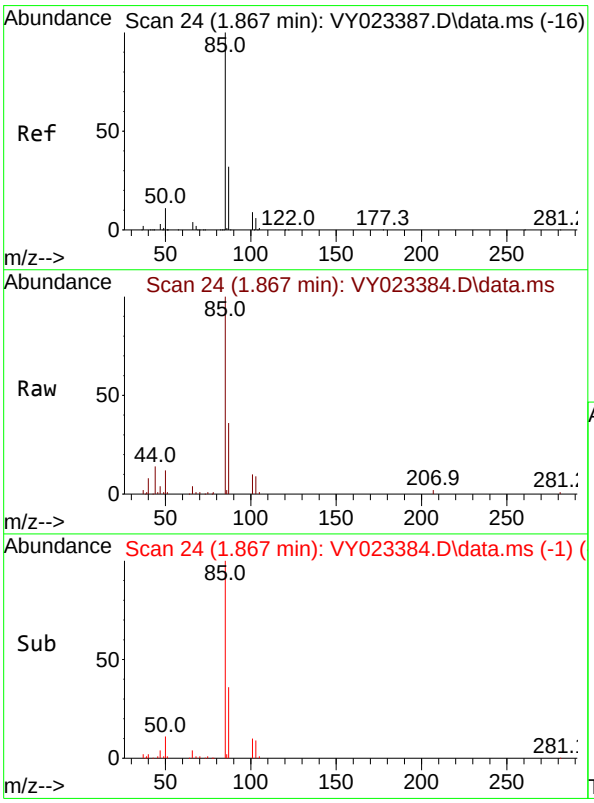
Ion	Ratio	Lower	Upper
168	100		
99	49.8	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

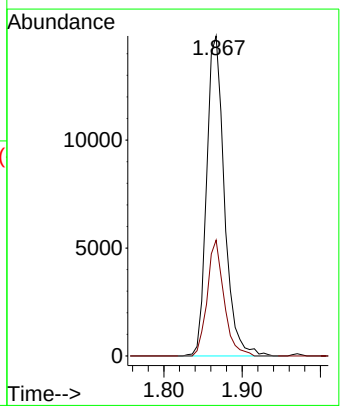
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

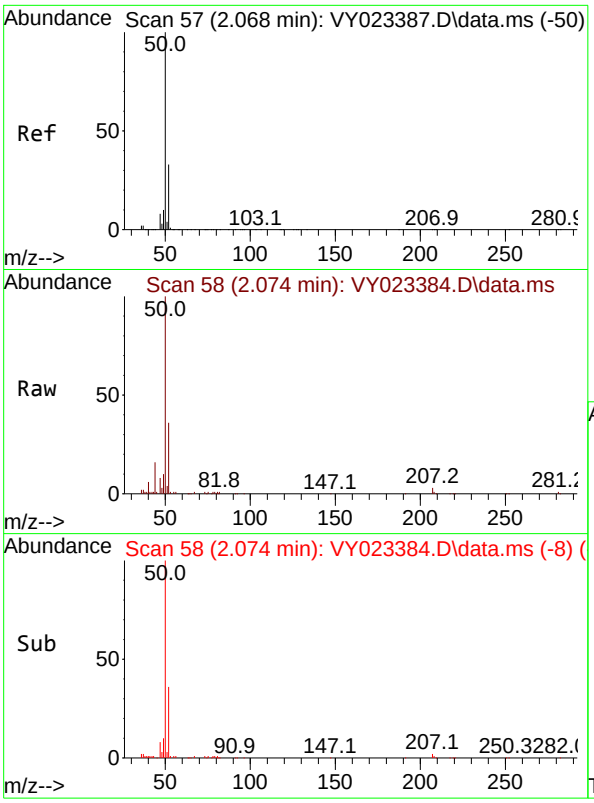


#2
Dichlorodifluoromethane
Concen: 5.038 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 85 Resp: 23245

Ion	Ratio	Lower	Upper
85	100		
87	36.2	16.0	47.9

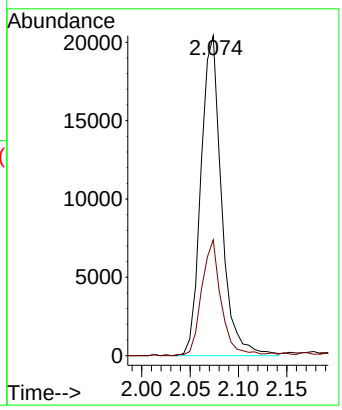




#3
Chloromethane
Concen: 4.627 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 50 Resp: 3034

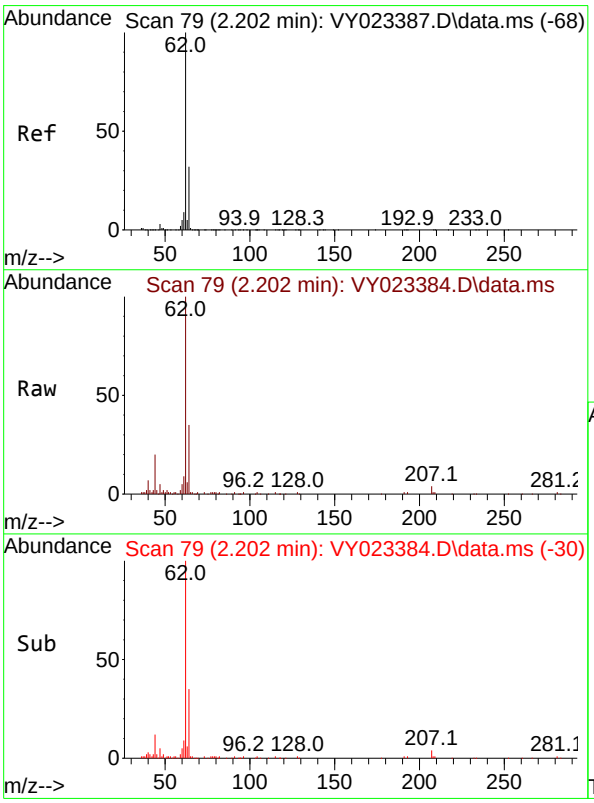
Ion	Ratio	Lower	Upper
50	100		
52	35.8	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

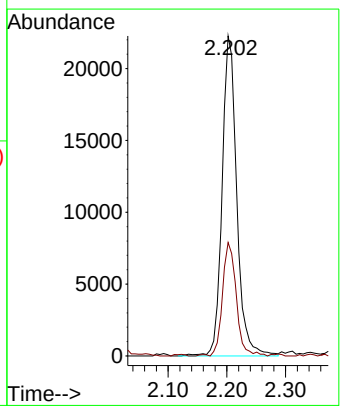
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

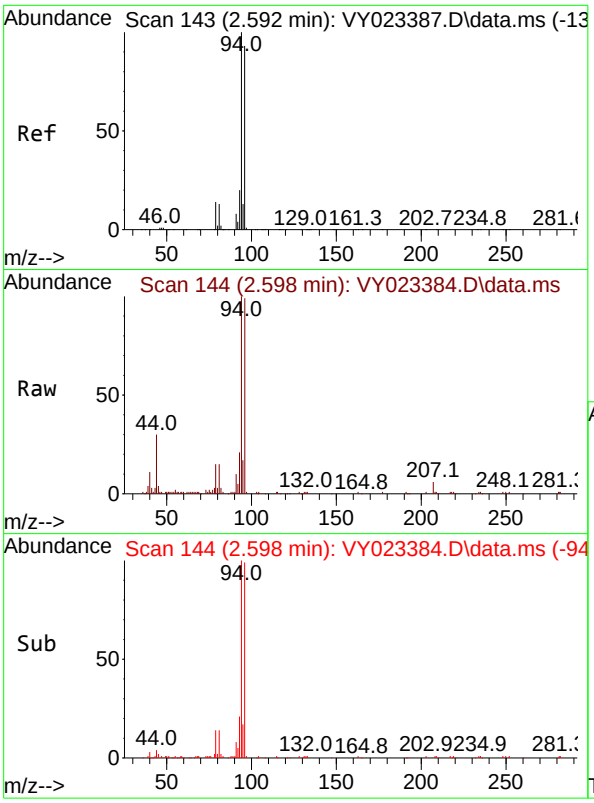


#4
Vinyl Chloride
Concen: 4.668 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

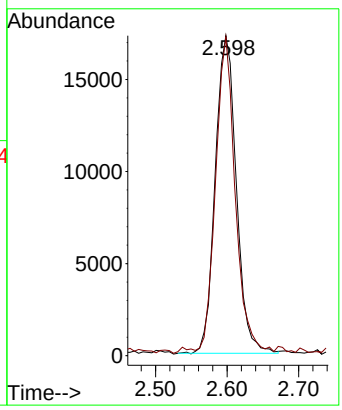
Tgt Ion: 94 Resp: 3521

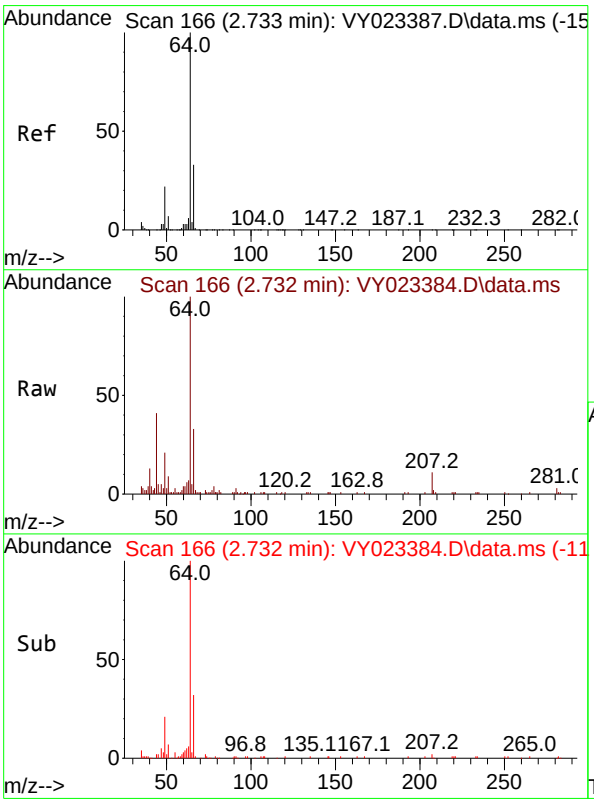
Ion	Ratio	Lower	Upper
94	100		
96	99.0	74.5	111.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

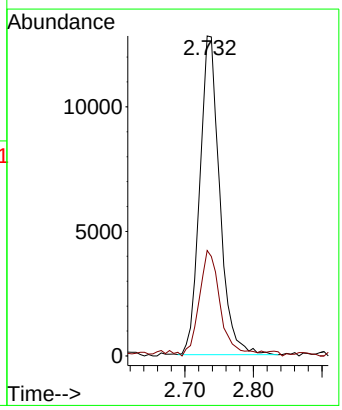


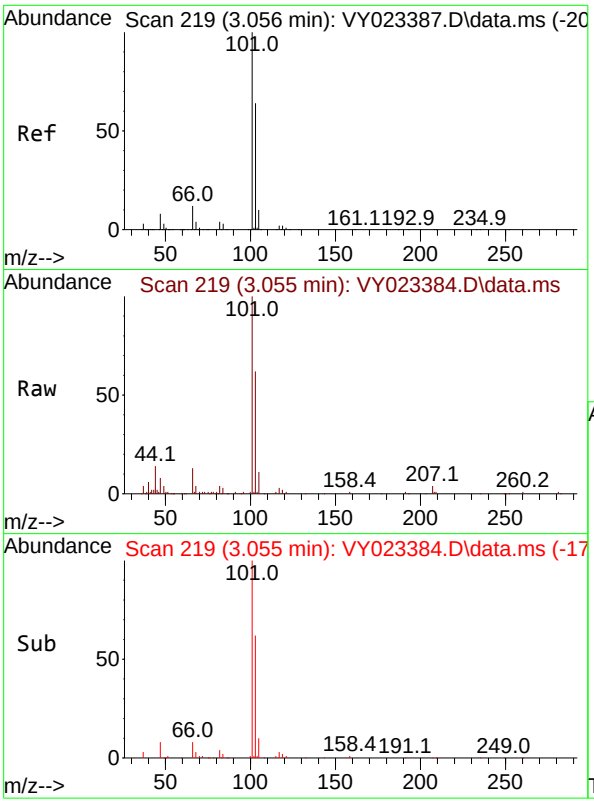


#6
Chloroethane
Concen: 4.597 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 64 Resp: 25848

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.2	39.4

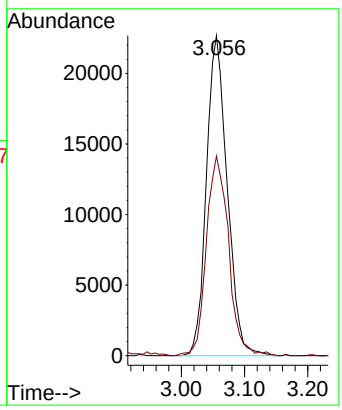




#7
Trichlorofluoromethane
Concen: 4.869 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:101 Resp: 5179

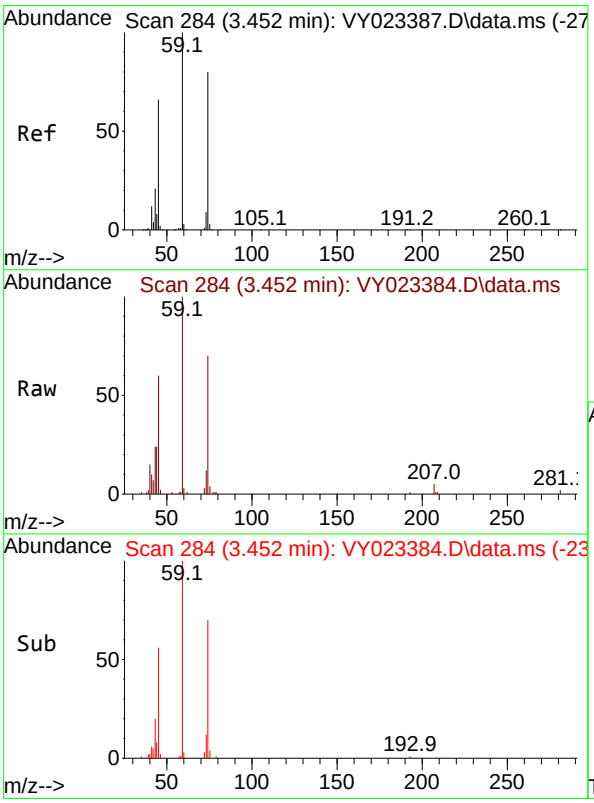
Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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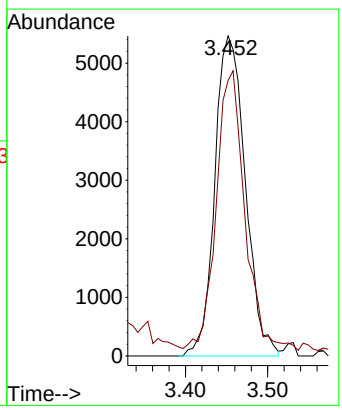
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

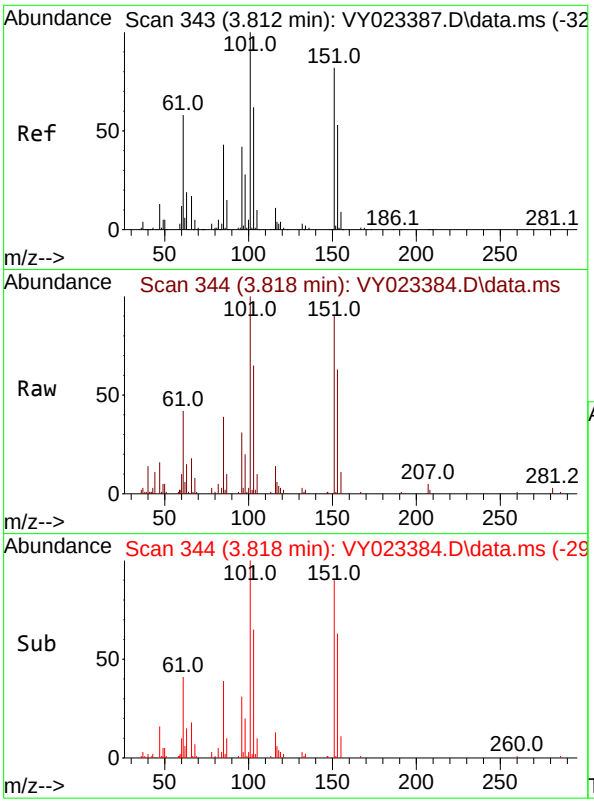


#8
Diethyl Ether
Concen: 5.060 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

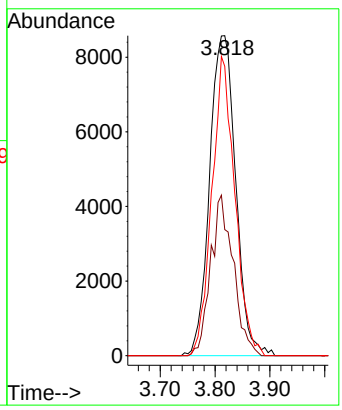
Tgt Ion:101 Resp: 2836

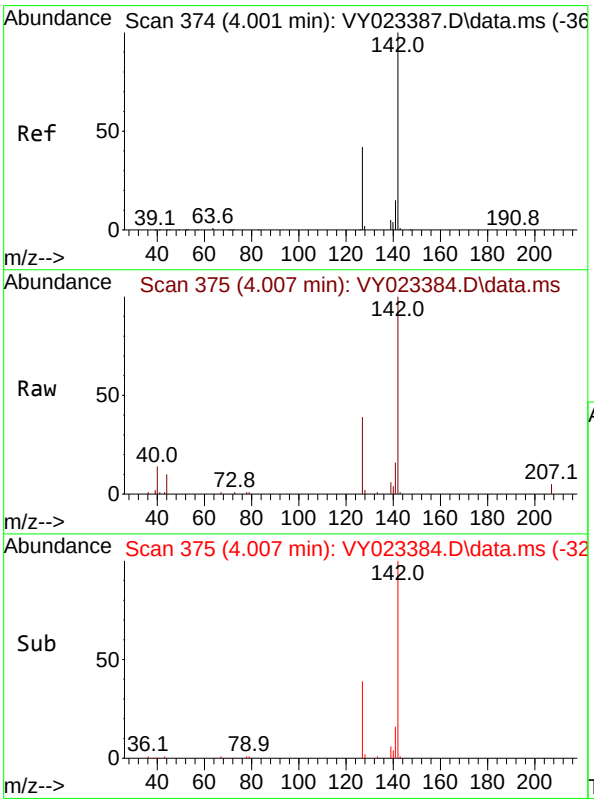
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.6	51.8
151	82.3	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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

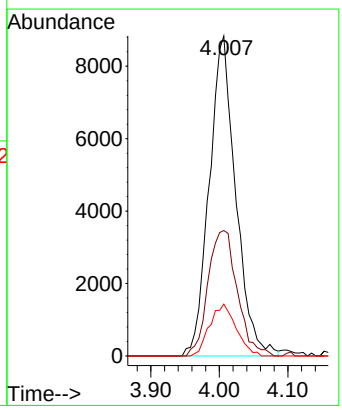


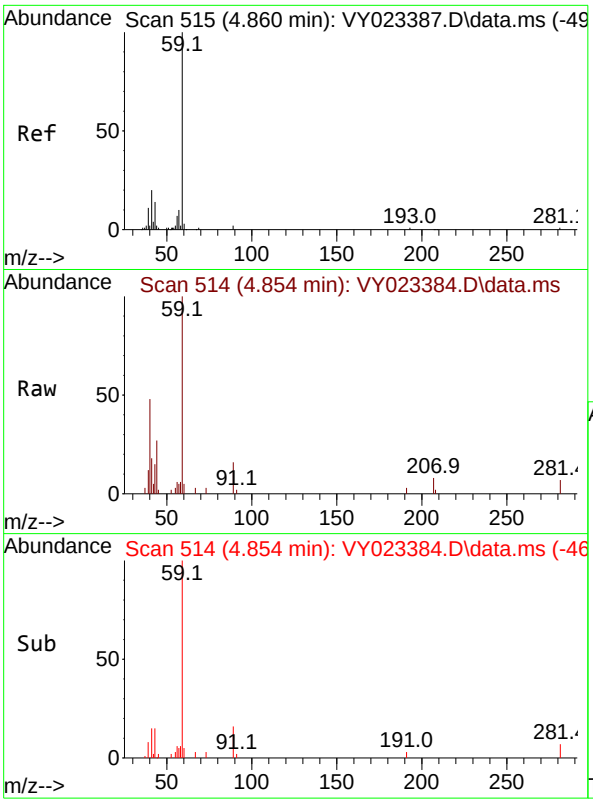


#10
Methyl Iodide
Concen: 3.606 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

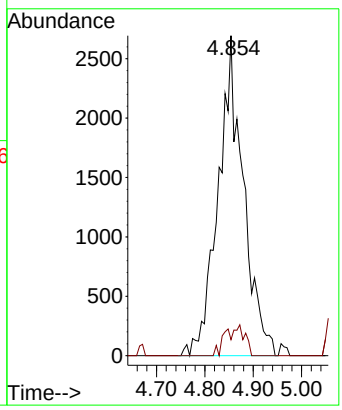




#11
Tert butyl alcohol
Concen: 32.746 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 59 Resp: 977

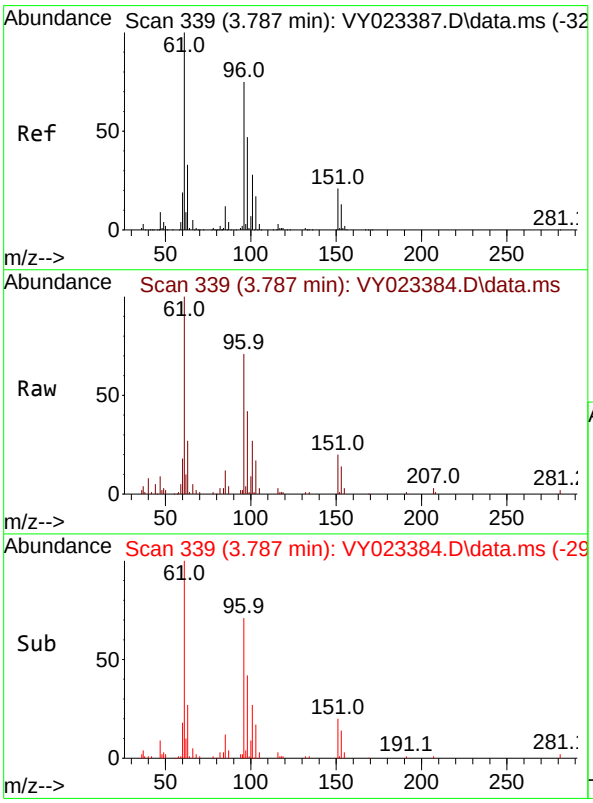
Ion	Ratio	Lower	Upper
59	100		
57	3.0	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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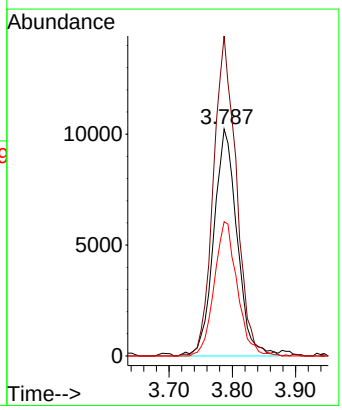
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

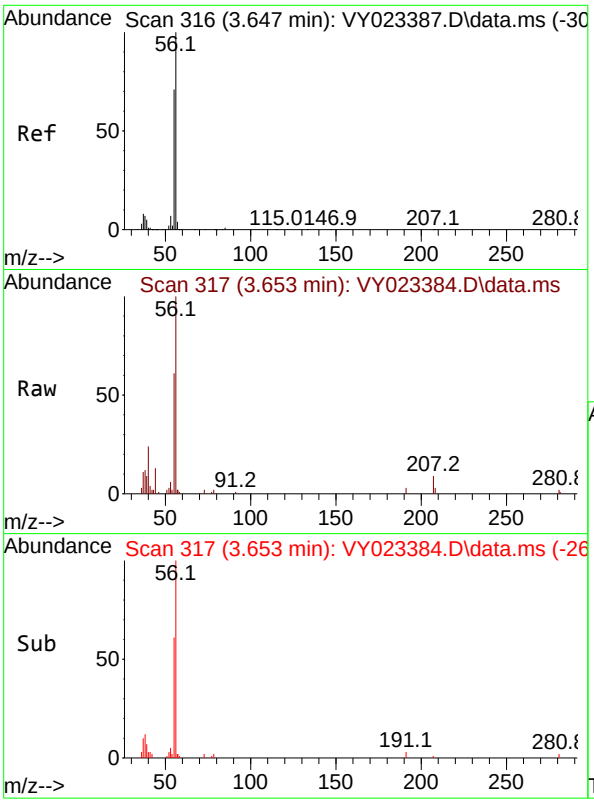


#12
1,1-Dichloroethene
Concen: 4.806 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

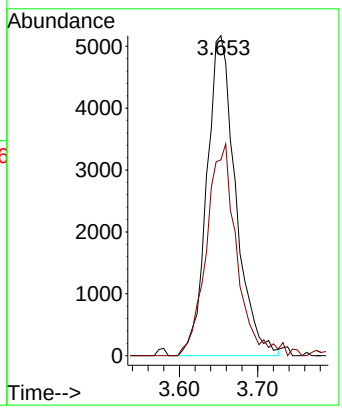




#13
Acrolein
Concen: 26.054 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 56 Resp: 1317

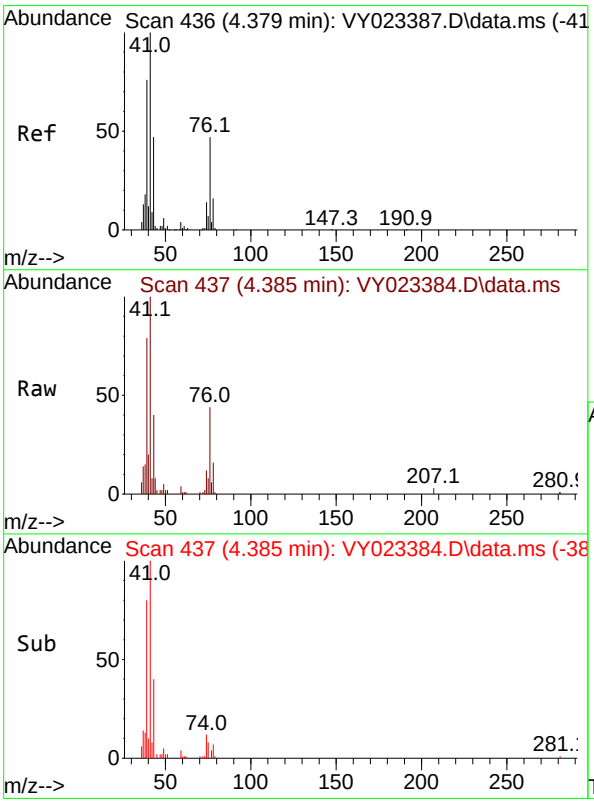
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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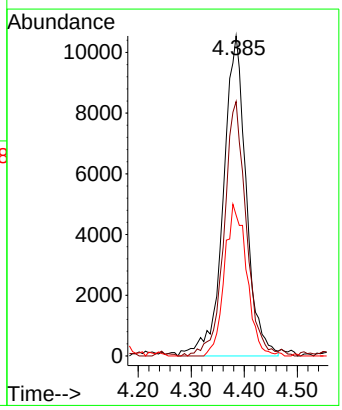
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

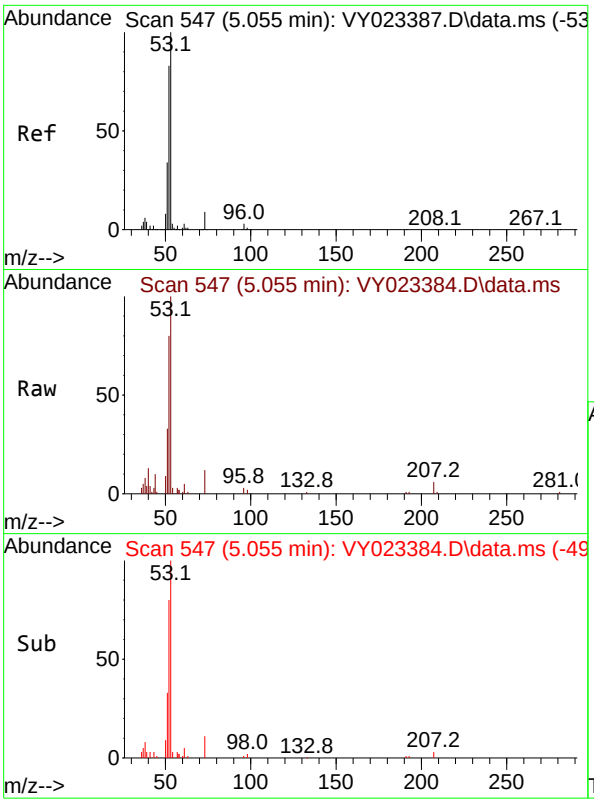


#14
Allyl chloride
Concen: 4.616 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

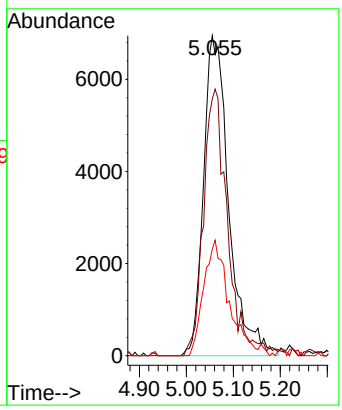




#15
Acrylonitrile
Concen: 23.754 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 53 Resp: 2589

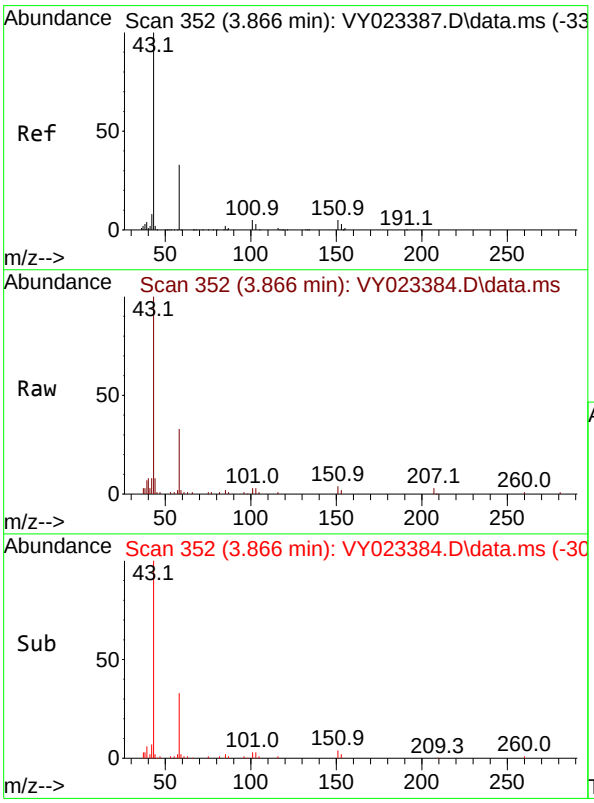
Ion	Ratio	Lower	Upper
53	100		
52	79.7	64.6	97.0
51	36.3	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

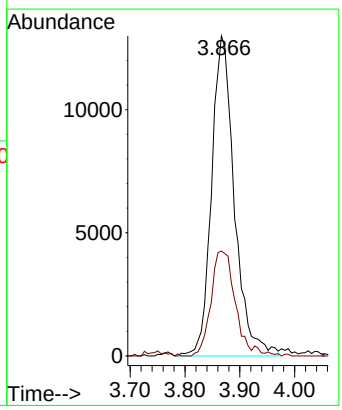
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

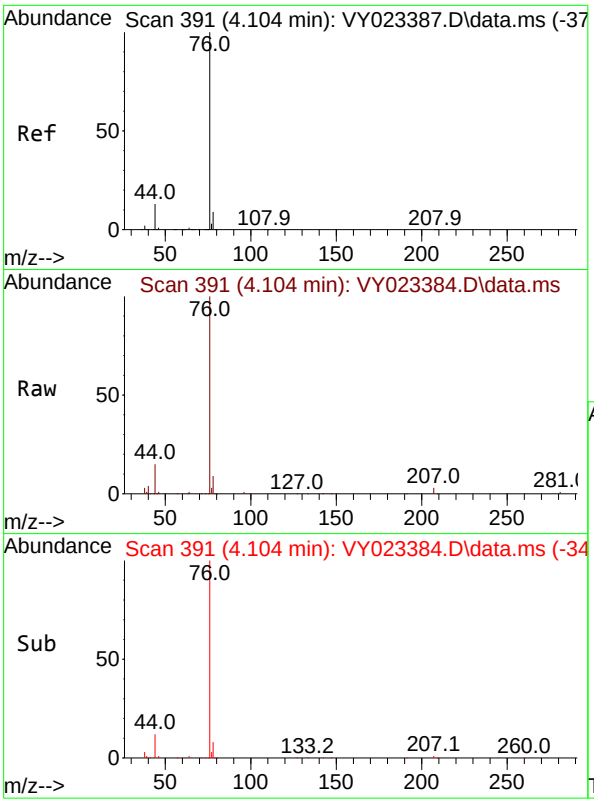


#16
Acetone
Concen: 32.940 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 37573

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.7	41.5

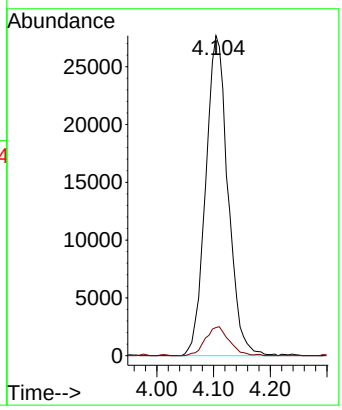




#17
Carbon Disulfide
Concen: 4.432 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 76 Resp: 7564

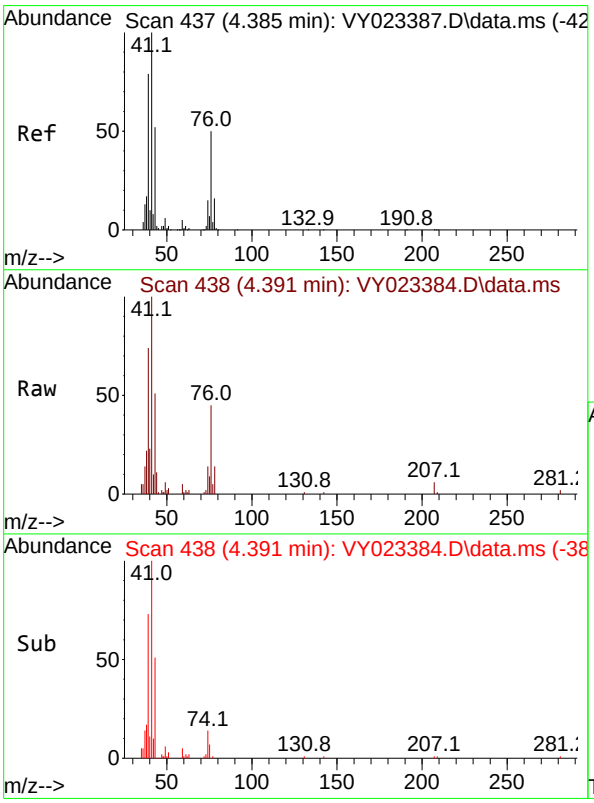
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

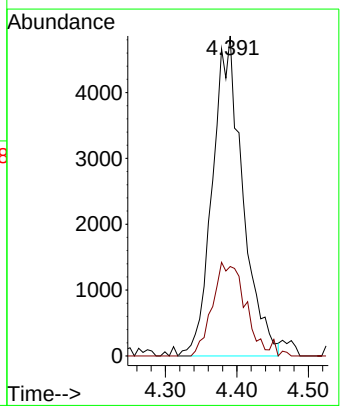
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

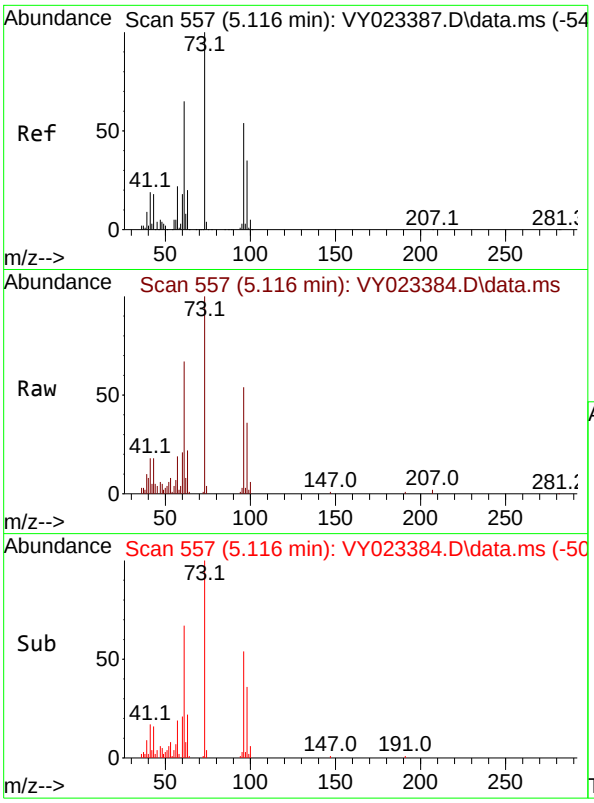


#18
Methyl Acetate
Concen: 4.926 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 14279

Ion	Ratio	Lower	Upper
43	100		
74	31.4	24.2	36.4

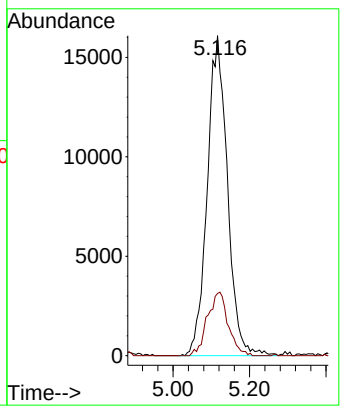




#19
Methyl tert-butyl Ether
Concen: 4.600 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 73 Resp: 5891

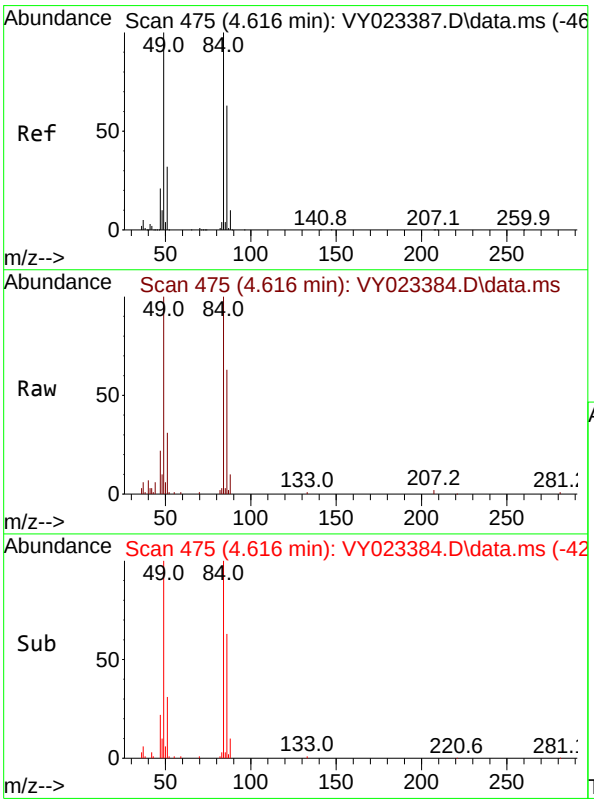
Ion	Ratio	Lower	Upper
73	100		
57	19.4	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

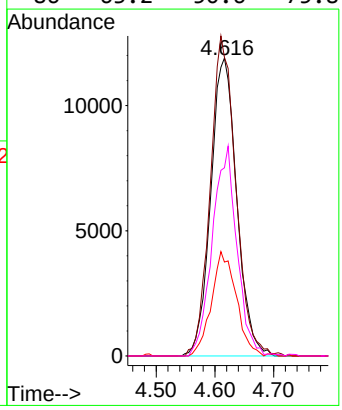
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

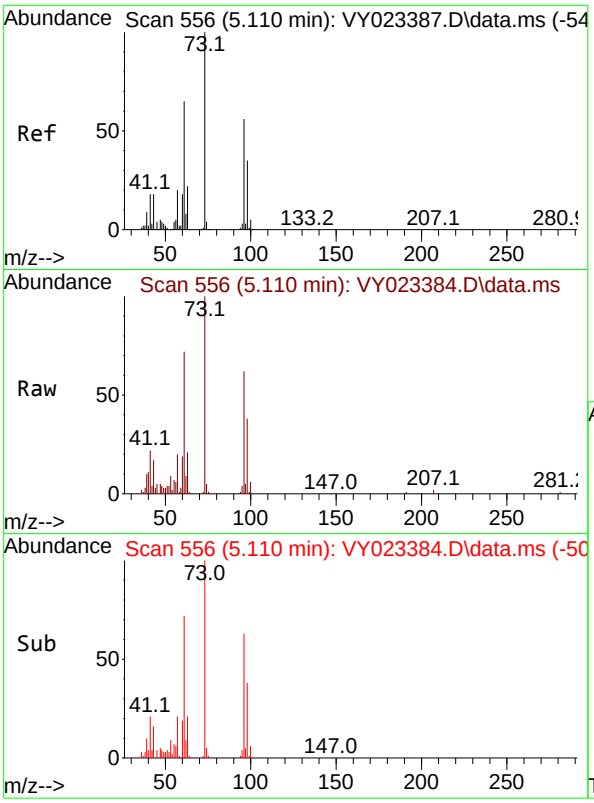


#20
Methylene Chloride
Concen: 5.917 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

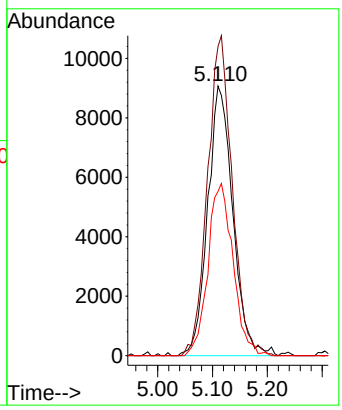




#21
trans-1,2-Dichloroethene
Concen: 4.754 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 96 Resp: 2892

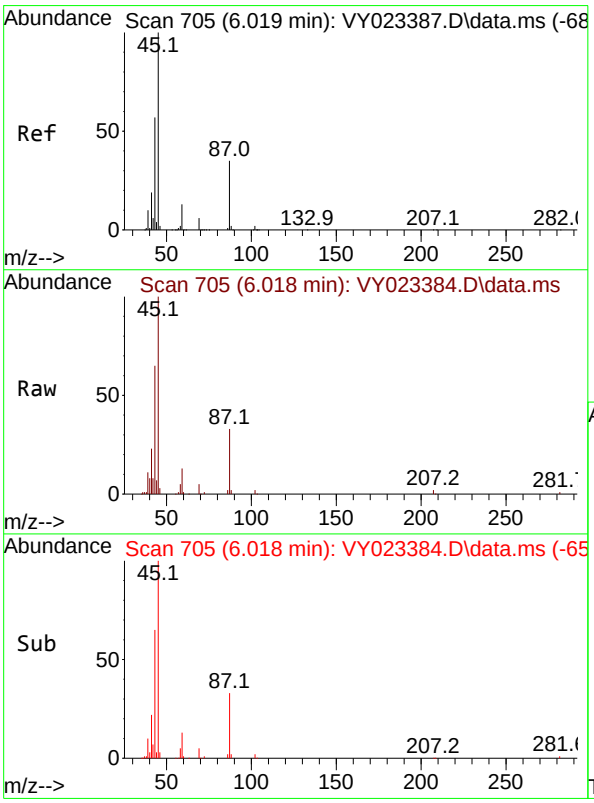
Ion	Ratio	Lower	Upper
96	100		
61	114.7	92.7	139.1
98	61.0	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

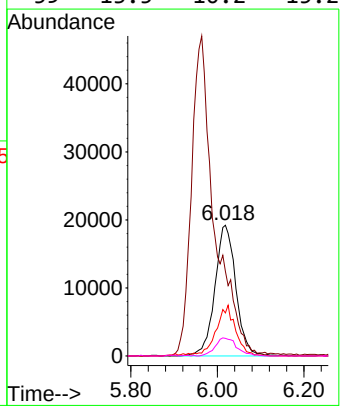
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

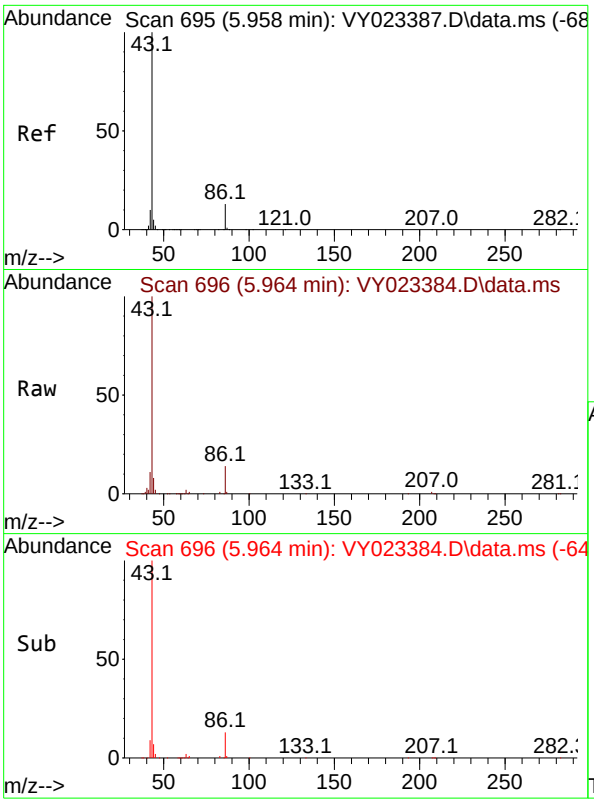


#22
Diisopropyl ether
Concen: 4.269 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

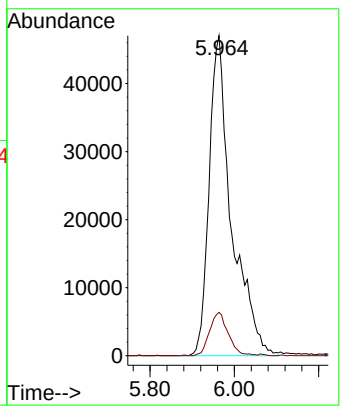




#23
Vinyl Acetate
Concen: 20.824 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 17385

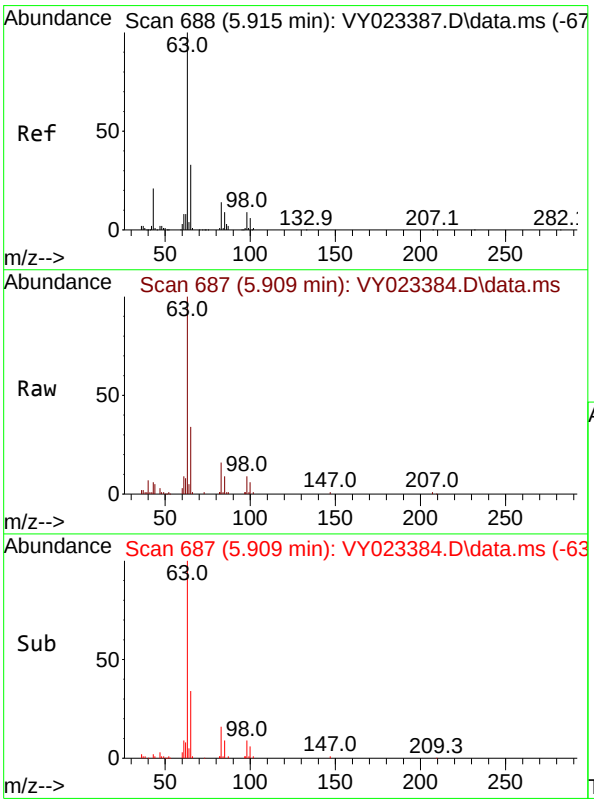
Ion	Ratio	Lower	Upper
43	100		
86	13.6	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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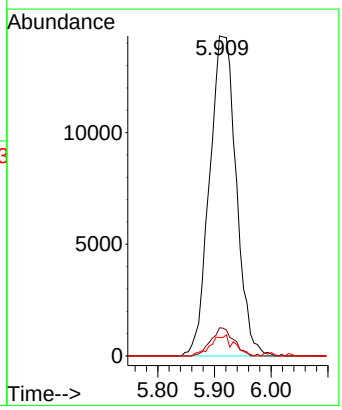
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

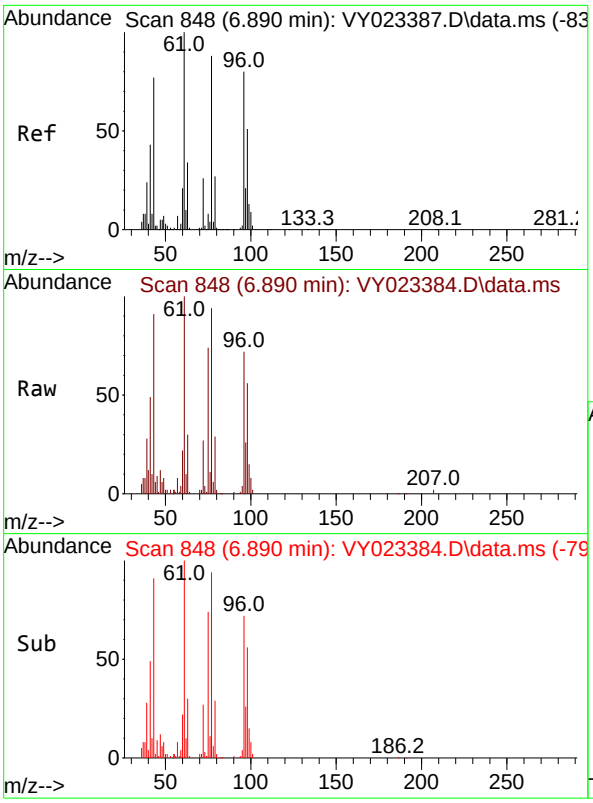


#24
1,1-Dichloroethane
Concen: 4.679 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

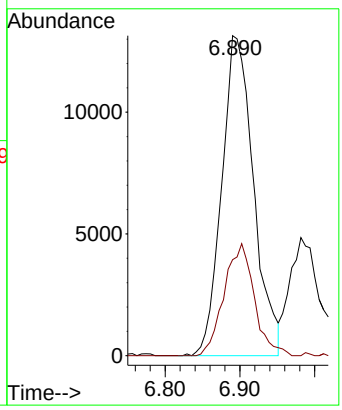
Tgt Ion: 43 Resp: 3899

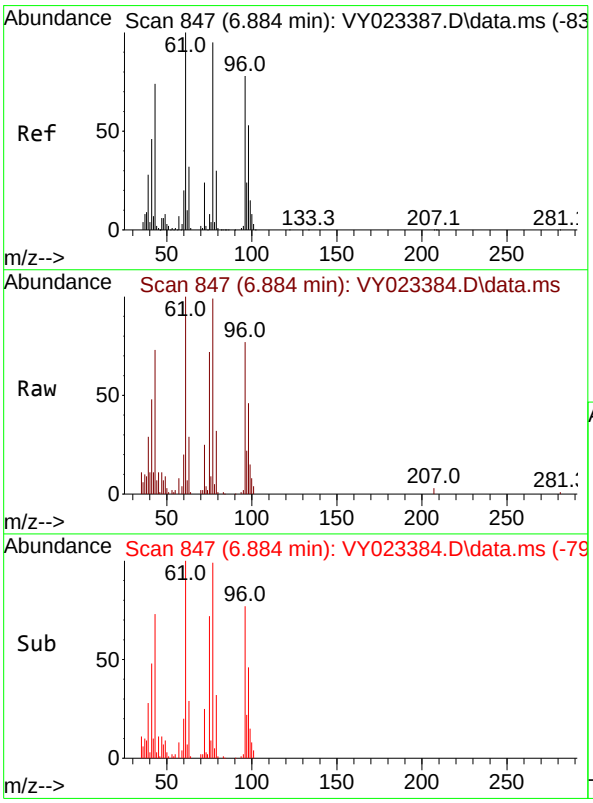
Ion	Ratio	Lower	Upper
43	100		
72	30.0	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

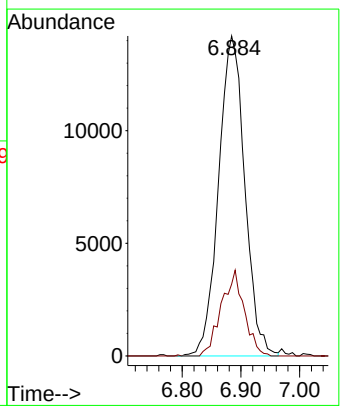


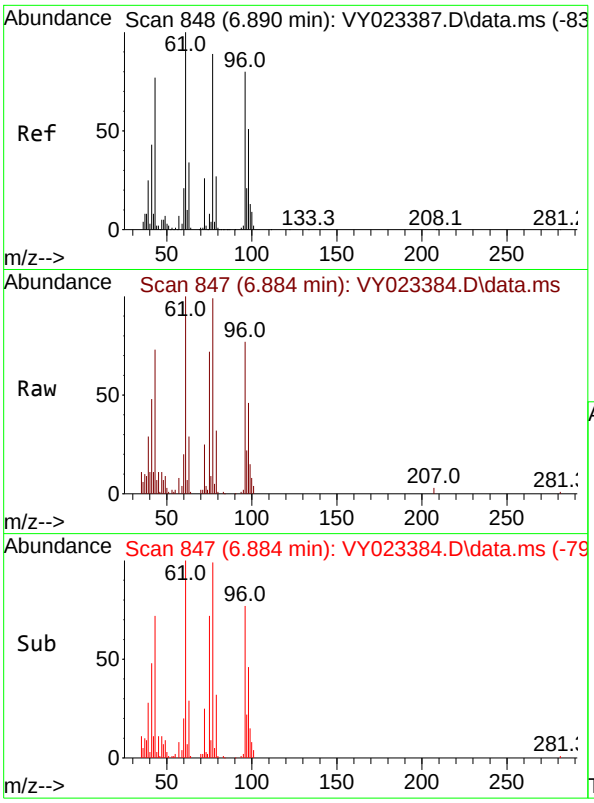


#26
2,2-Dichloropropane
Concen: 4.953 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

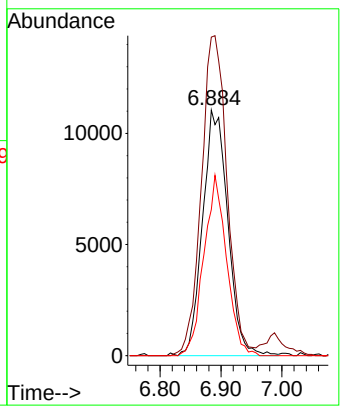
Tgt Ion: 96 Resp: 3174

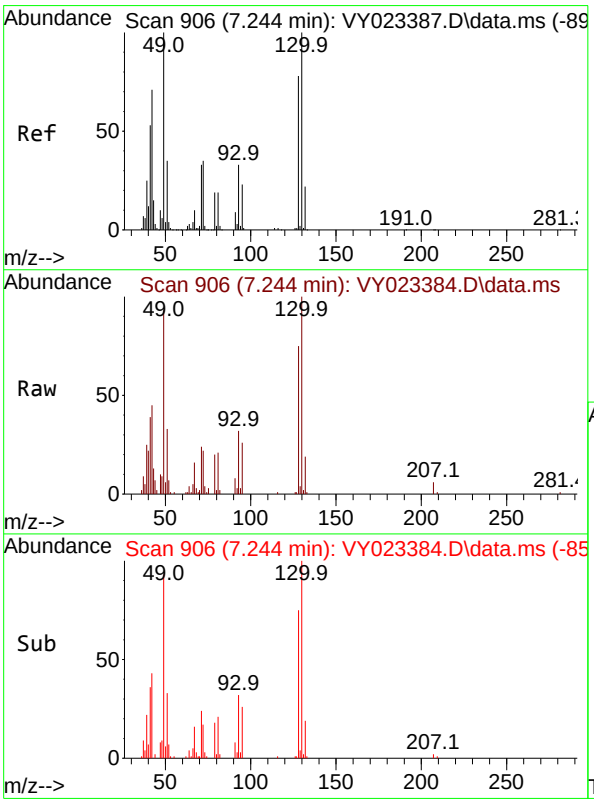
Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	258.2
98	66.1	0.0	132.0

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

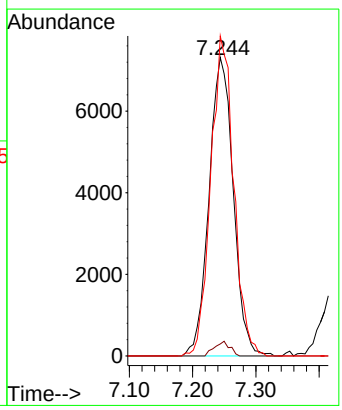


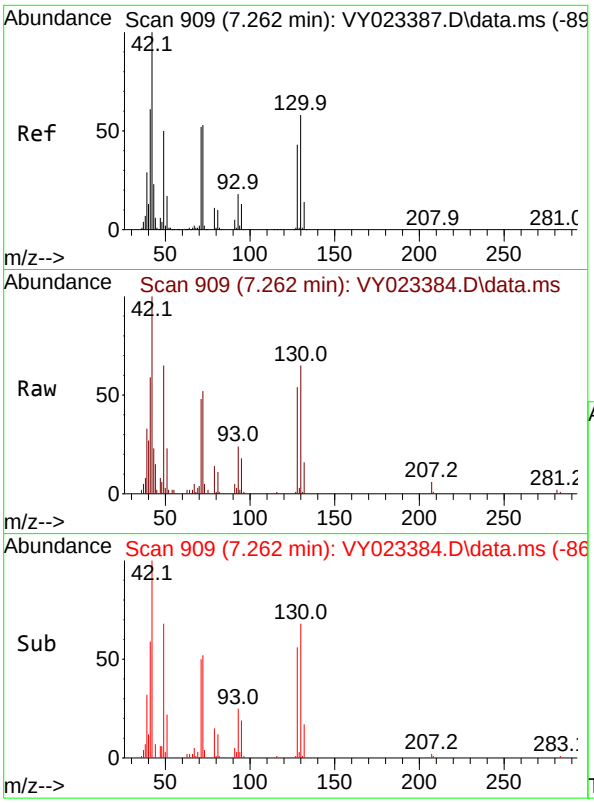


#28
Bromochloromethane
Concen: 5.006 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

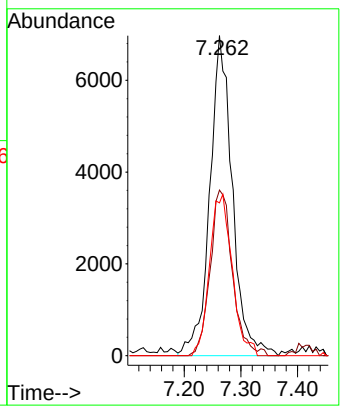




#29
Tetrahydrofuran
Concen: 23.059 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 42 Resp: 1929(

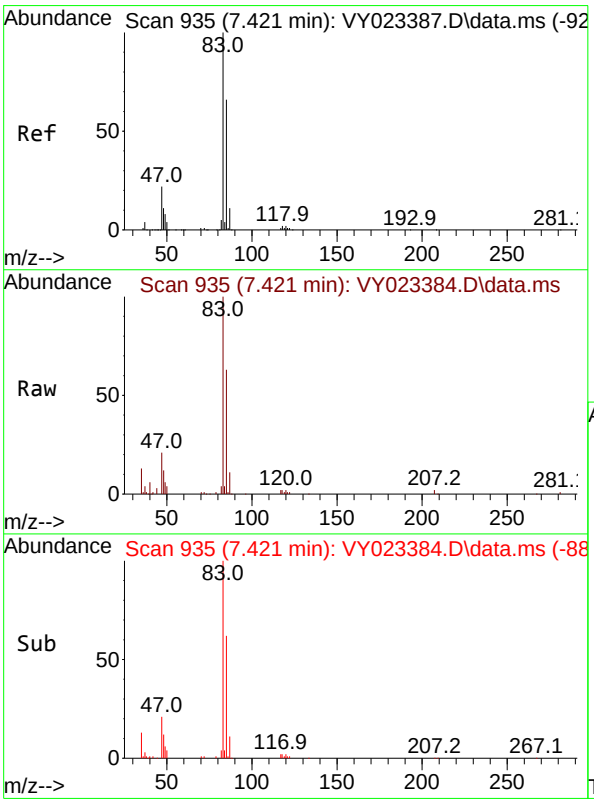
Ion	Ratio	Lower	Upper
42	100		
72	51.0	43.0	64.6
71	50.4	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

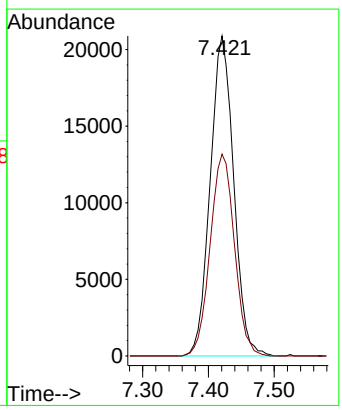
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

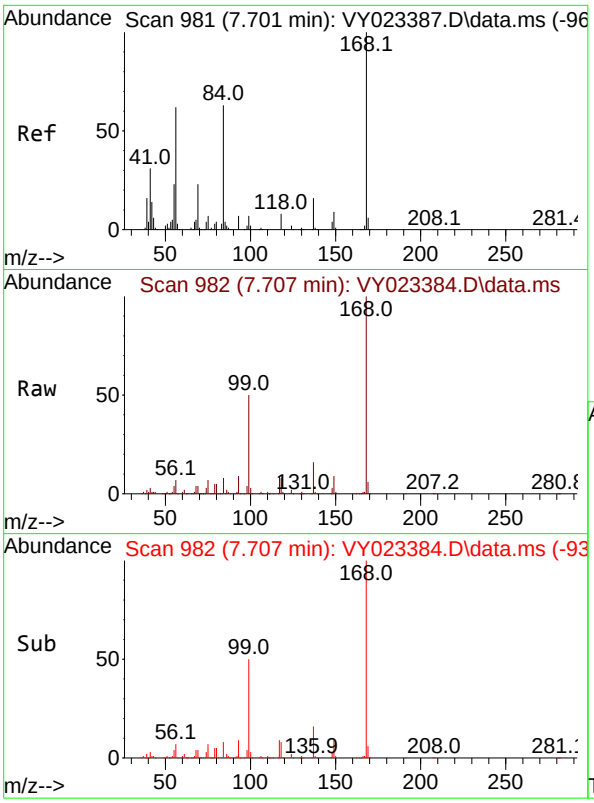


#30
Chloroform
Concen: 4.806 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 51887

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7

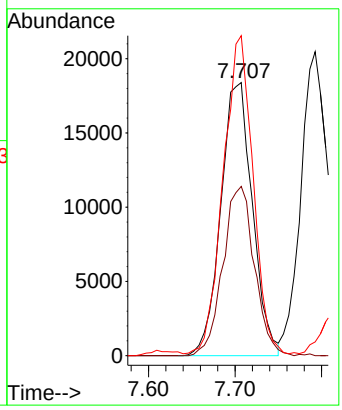




#31
Cyclohexane
Concen: 5.279 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 56 Resp: 4667

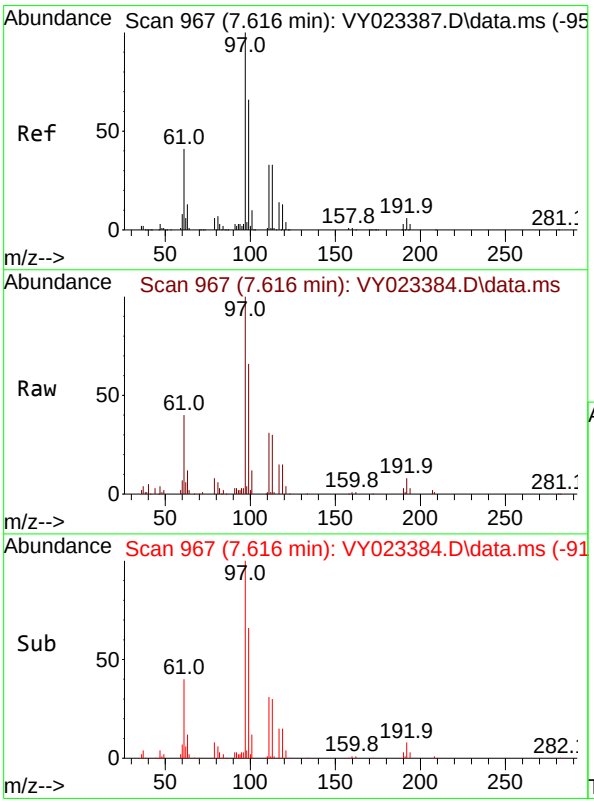
Ion	Ratio	Lower	Upper
56	100		
69	62.0	30.0	45.0
84	115.8	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

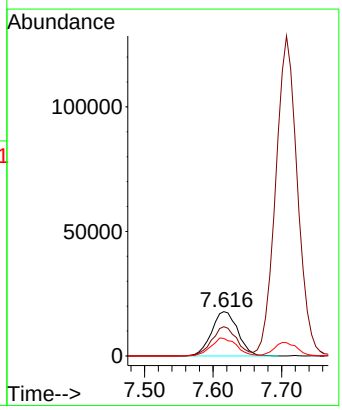
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

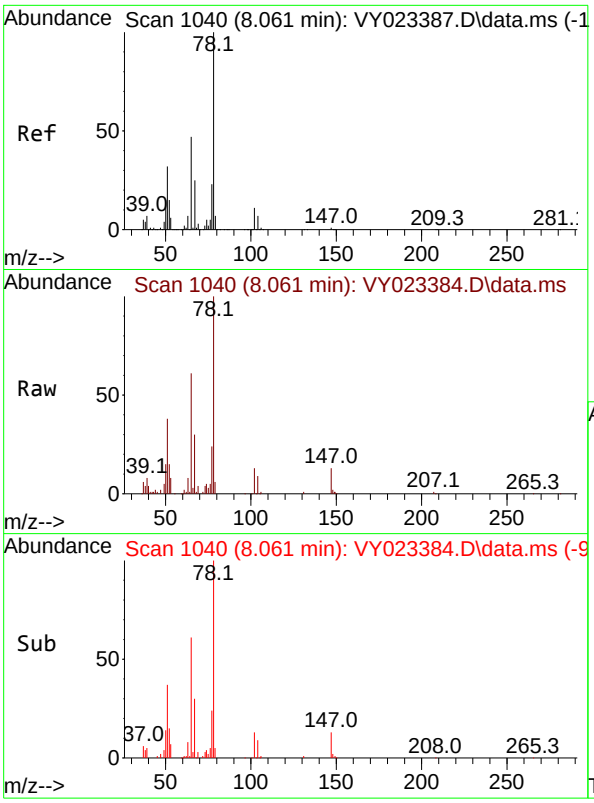


#32
1,1,1-Trichloroethane
Concen: 4.881 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

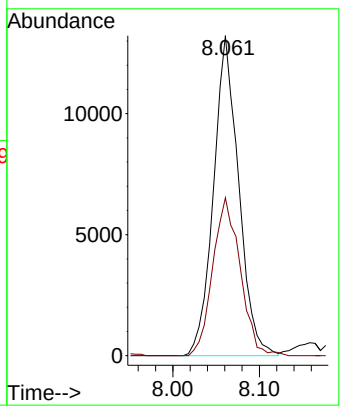
Tgt Ion: 65 Resp: 2667

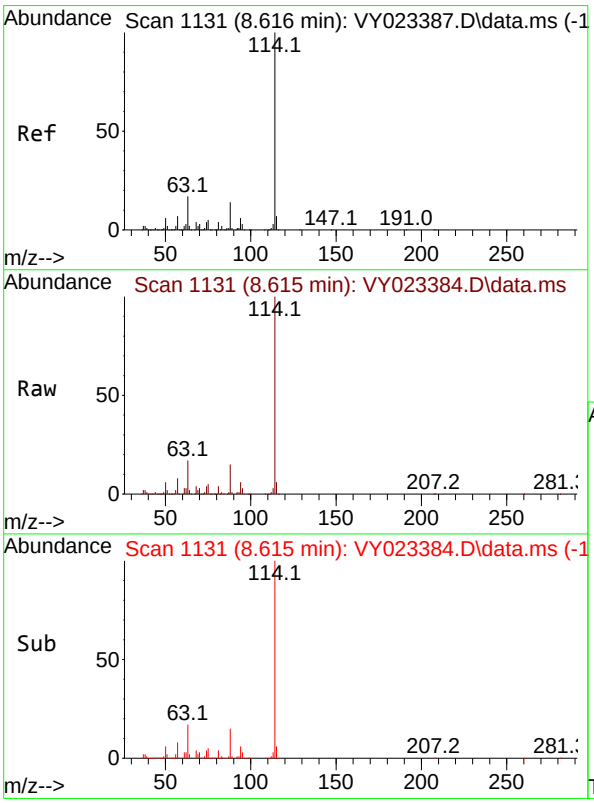
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

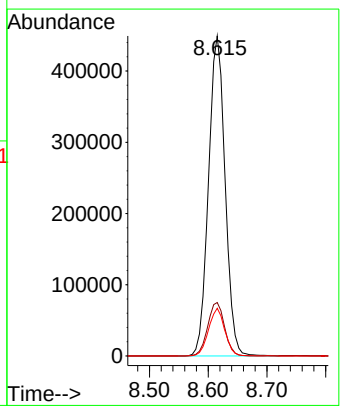


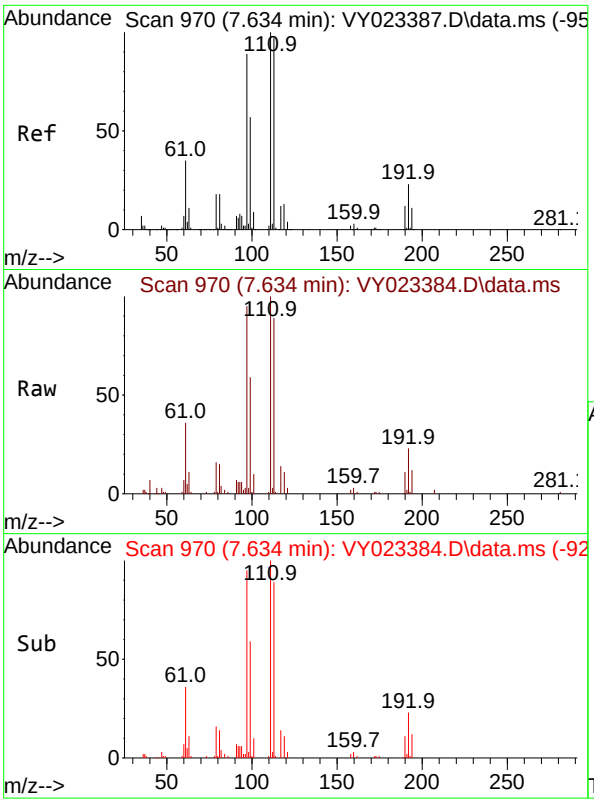


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

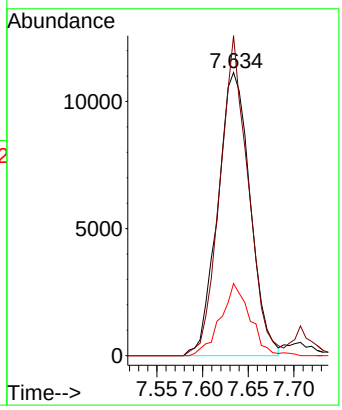




#35
Dibromofluoromethane
Concen: 5.126 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:113 Resp: 2745

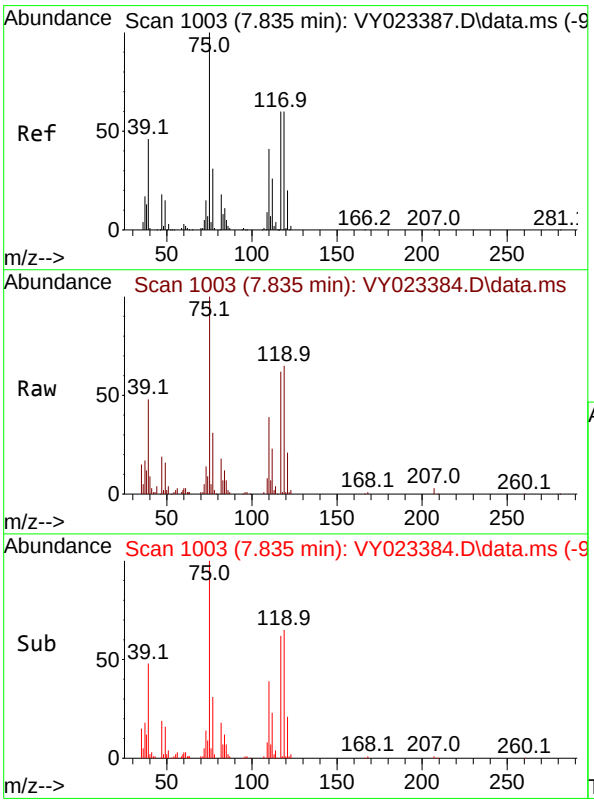
Ion	Ratio	Lower	Upper
113	100		
111	99.0	81.8	122.6
192	23.4	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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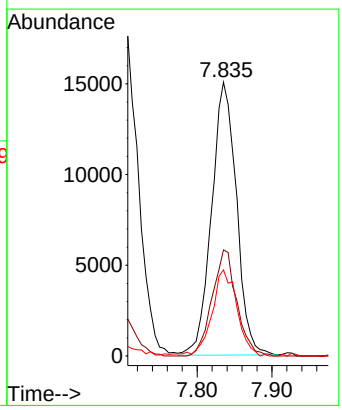
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

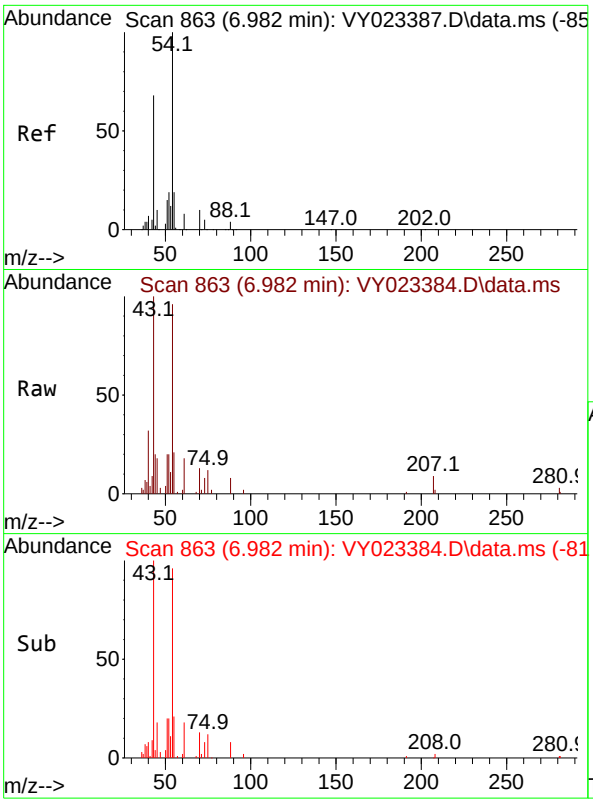


#36
1,1-Dichloropropene
Concen: 4.617 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

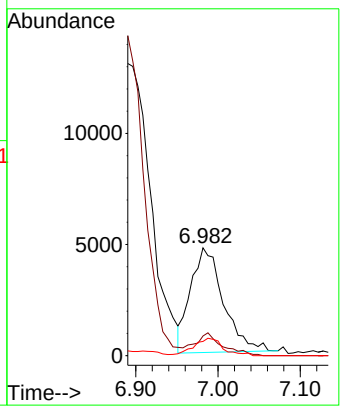
Tgt Ion: 43 Resp: 1308

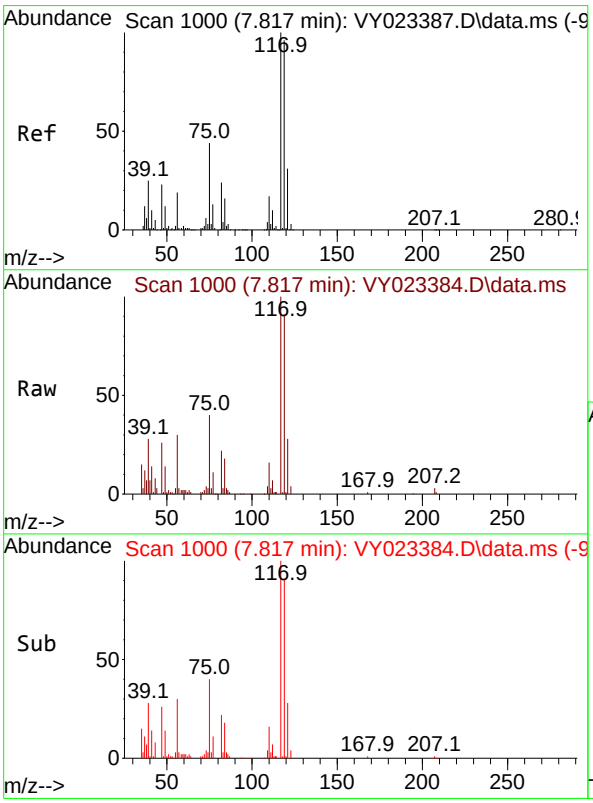
Ion	Ratio	Lower	Upper
43	100		
61	18.2	11.8	17.8
70	15.0	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

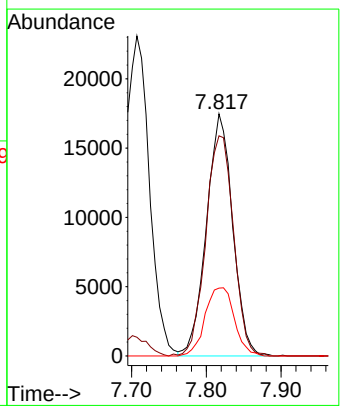


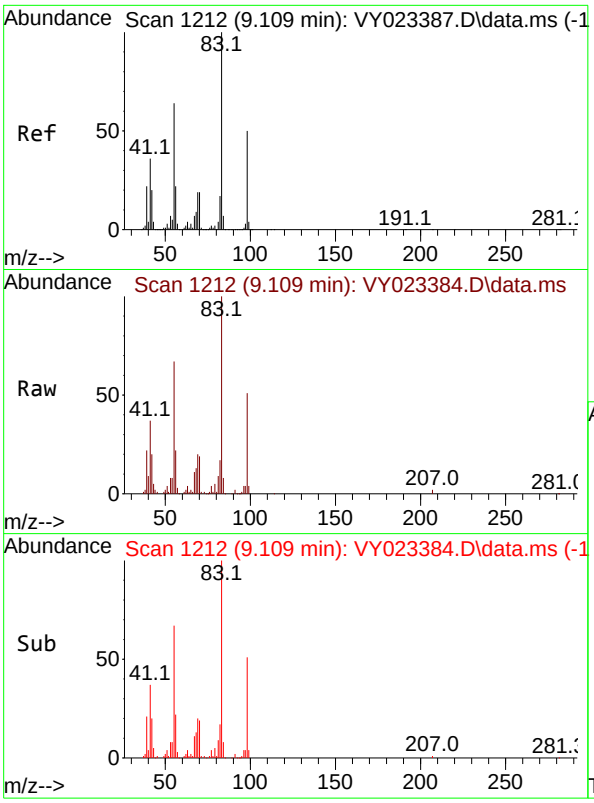


#38
Carbon Tetrachloride
Concen: 4.859 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

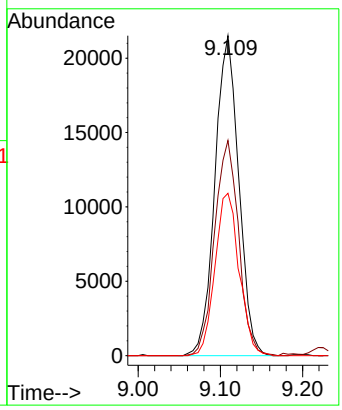




#39
Methylcyclohexane
Concen: 4.479 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 4332

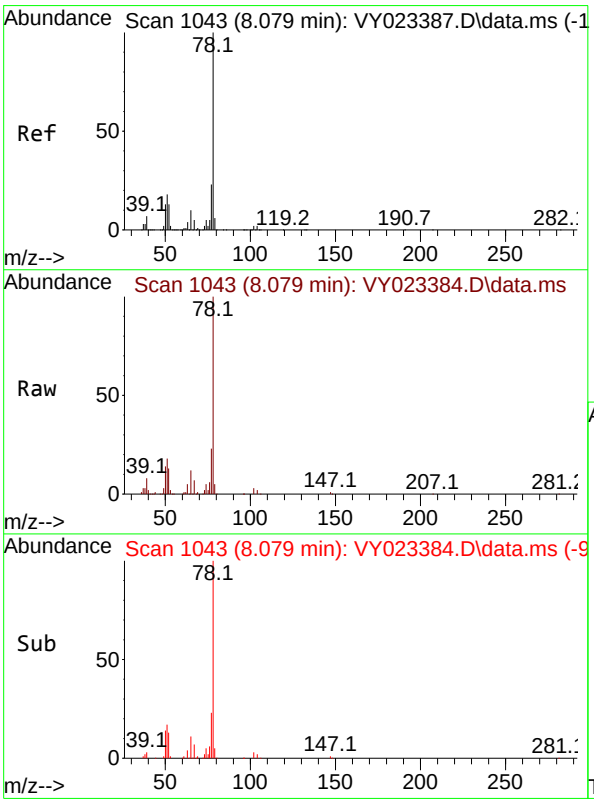
Ion	Ratio	Lower	Upper
83	100		
55	67.2	51.4	77.2
98	50.8	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

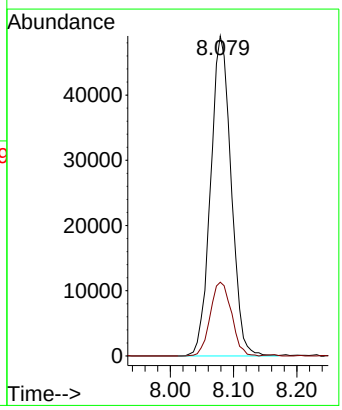
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

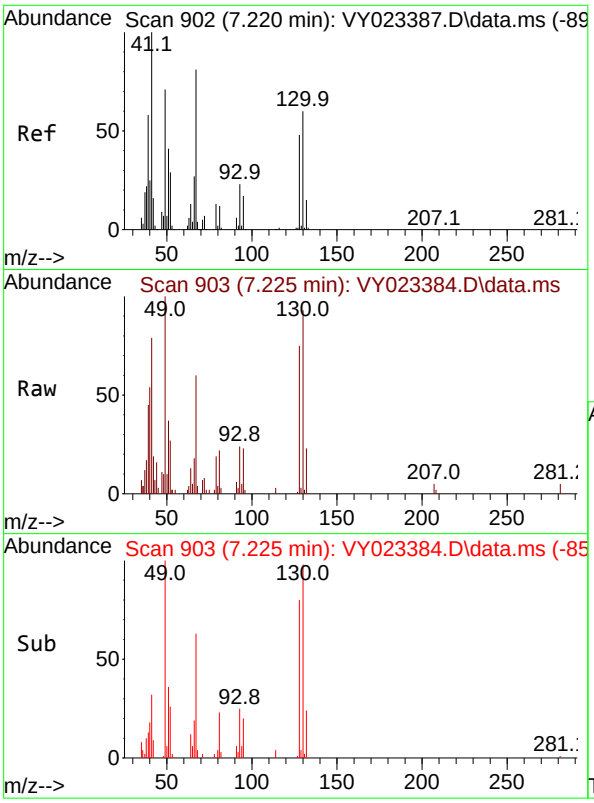


#40
Benzene
Concen: 4.693 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 78 Resp: 110551

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.3	27.5

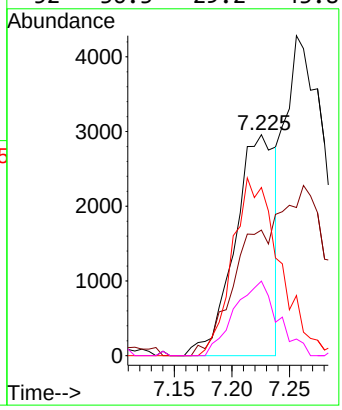




#41
Methacrylonitrile
Concen: 4.658 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 41 Resp: 722

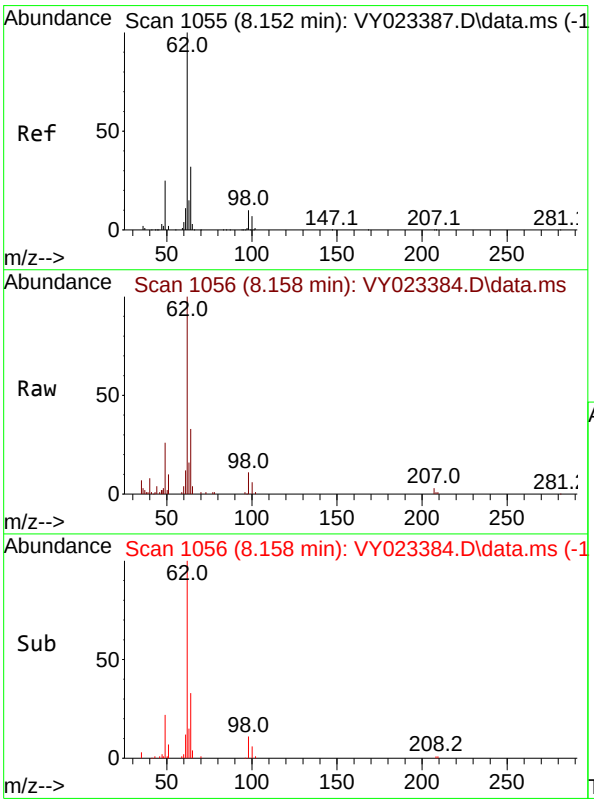
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.2	78.4
67	95.1	74.9	112.3
52	36.3	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

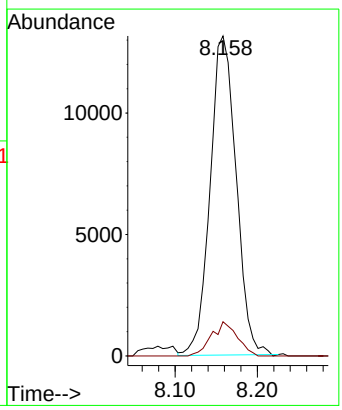
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

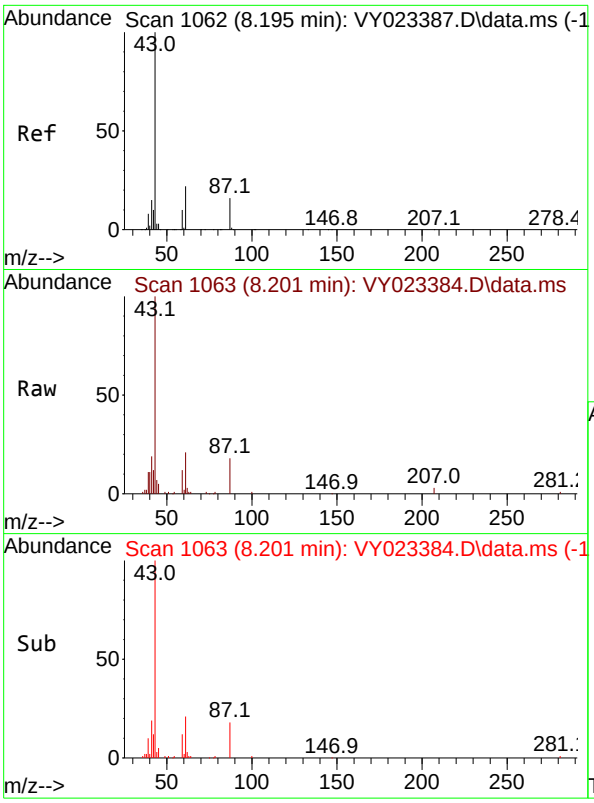


#42
1,2-Dichloroethane
Concen: 4.828 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 62 Resp: 28940

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.6

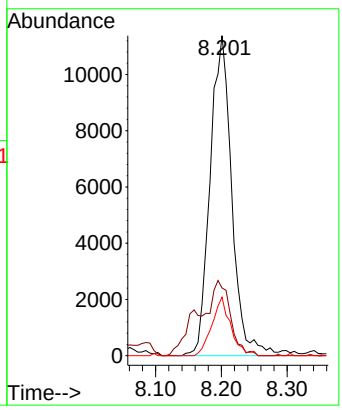




#43
Isopropyl Acetate
Concen: 4.503 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 2616

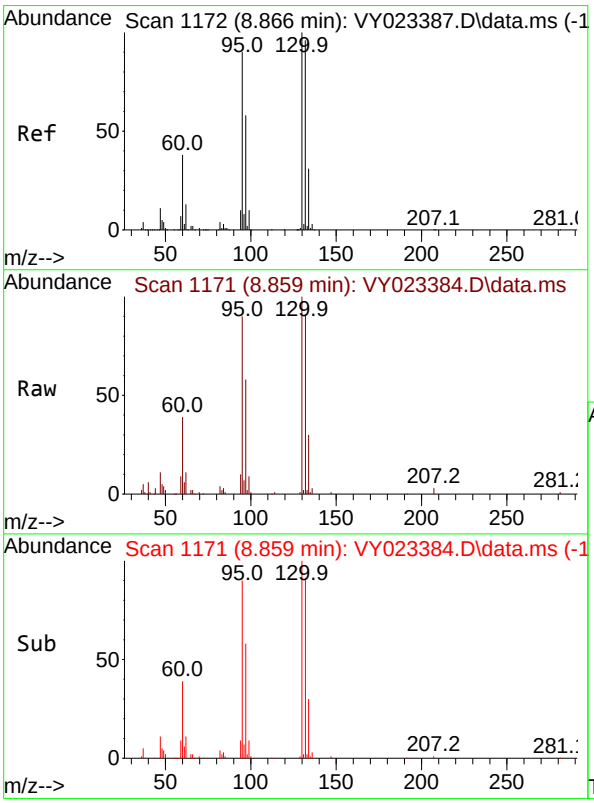
Ion	Ratio	Lower	Upper
43	100		
61	22.6	18.1	27.1
87	15.9	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

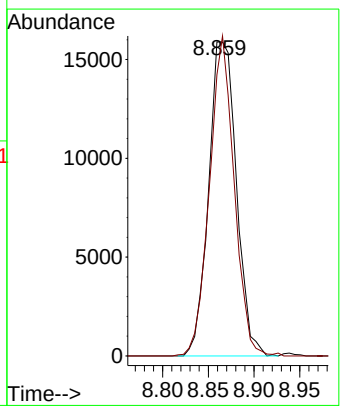
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

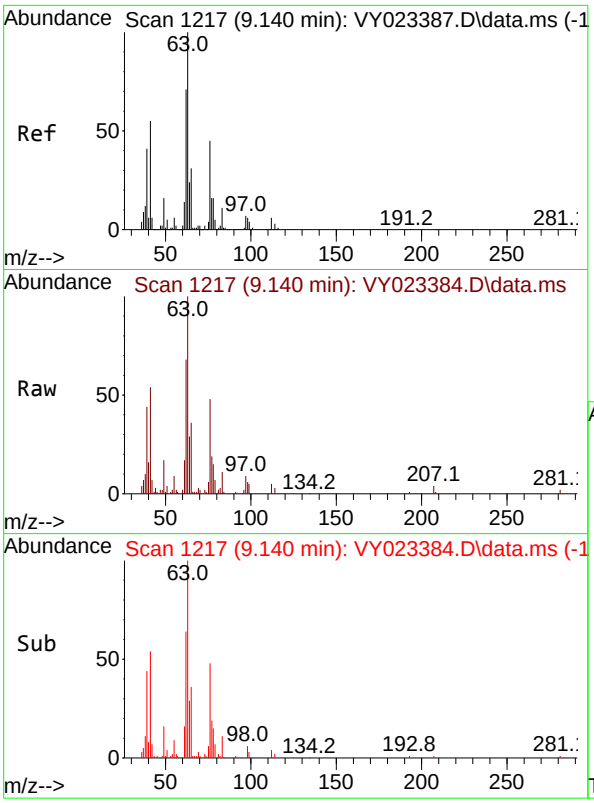


#44
Trichloroethene
Concen: 5.077 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:130 Resp: 33564

Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	180.6

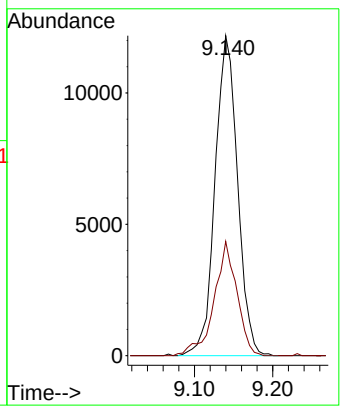




#45
1,2-Dichloropropane
Concen: 4.595 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 63 Resp: 2435

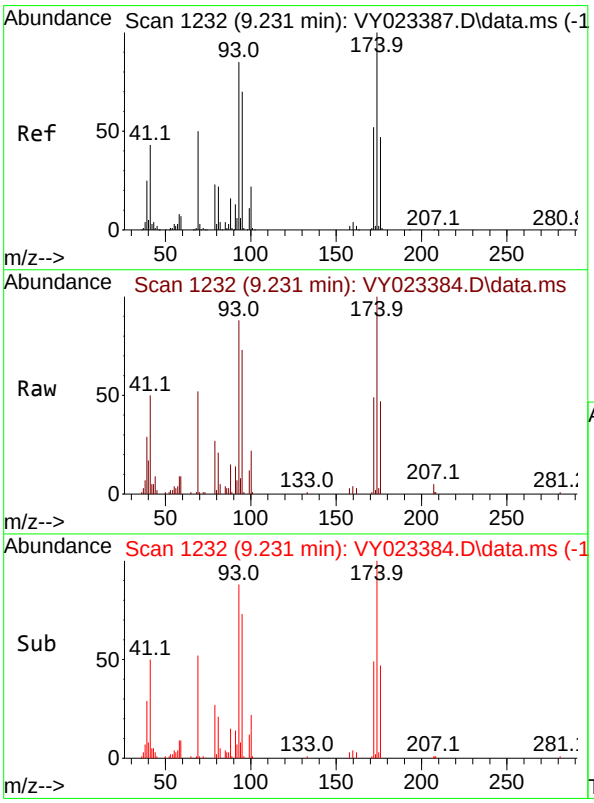
Ion	Ratio	Lower	Upper
63	100		
65	35.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

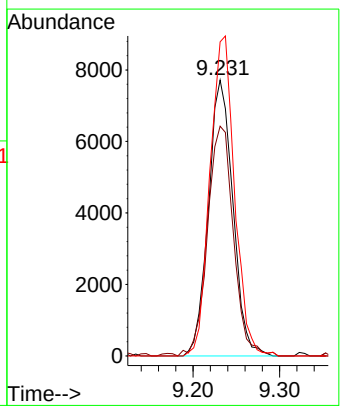
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

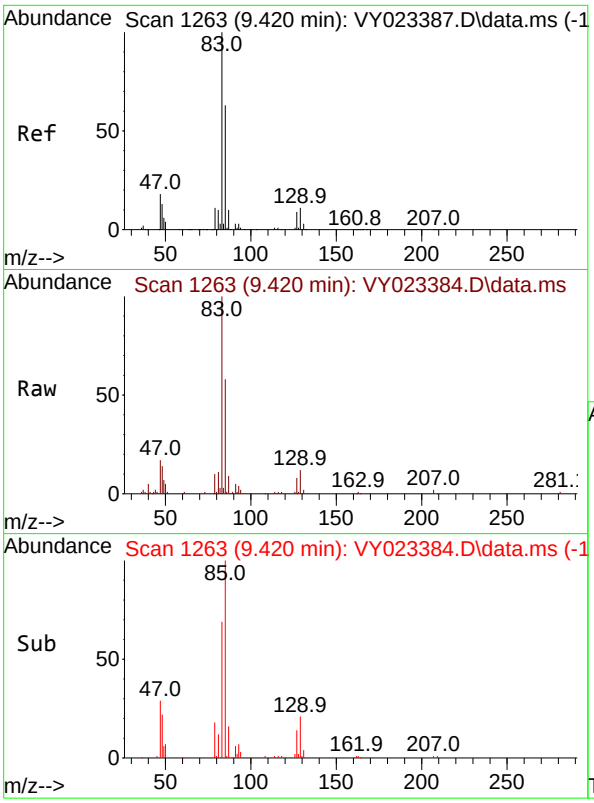


#46
Dibromomethane
Concen: 4.682 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

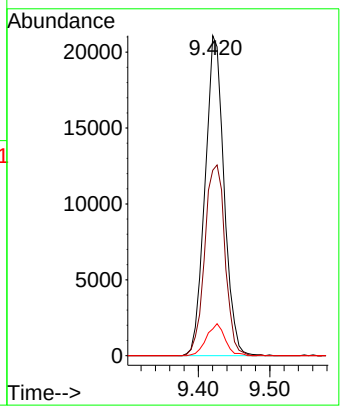




#47
Bromodichloromethane
Concen: 4.756 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 3881

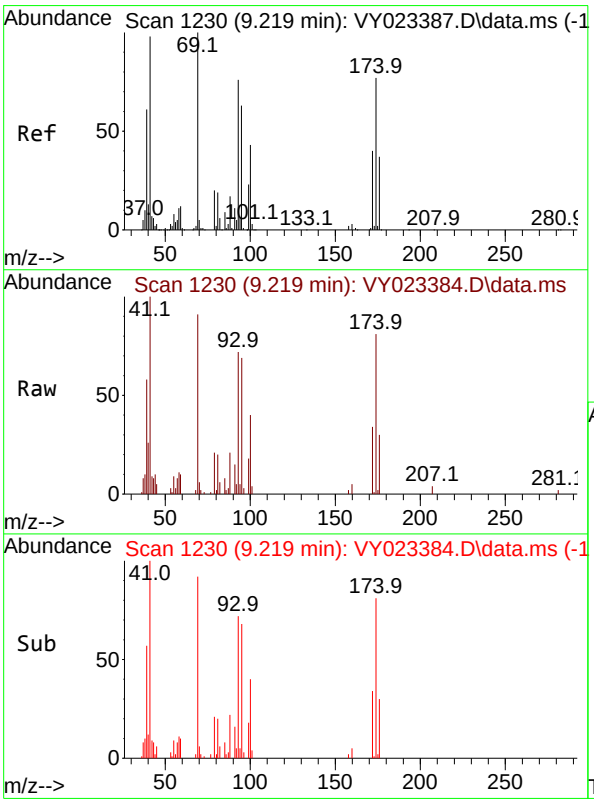
Ion	Ratio	Lower	Upper
83	100		
85	57.9	50.8	76.2
127	8.4	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

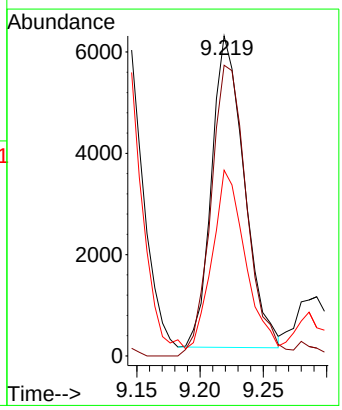
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

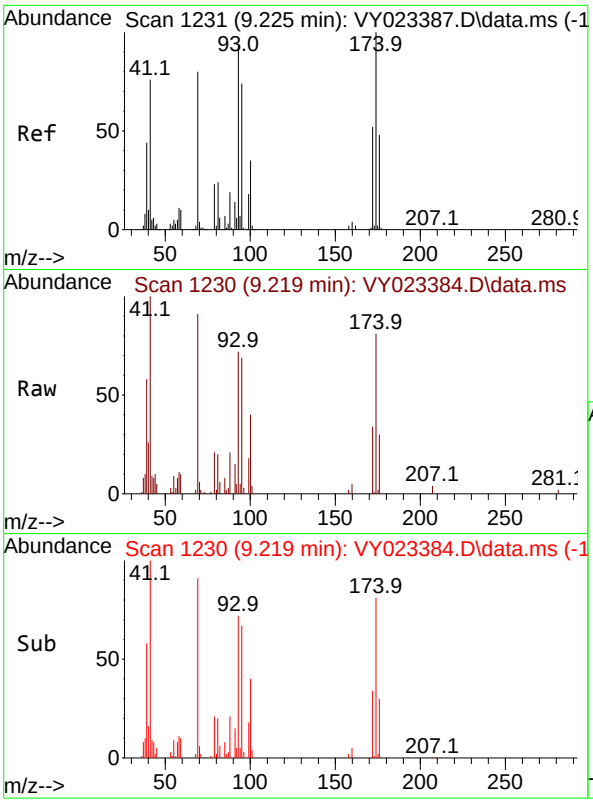


#48
Methyl methacrylate
Concen: 4.071 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

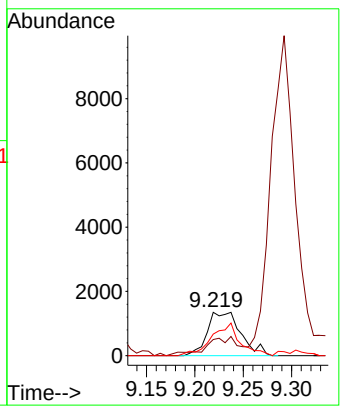




#49
1,4-Dioxane
Concen: 96.953 ug/l
RT: 9.219 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 88 Resp: 325

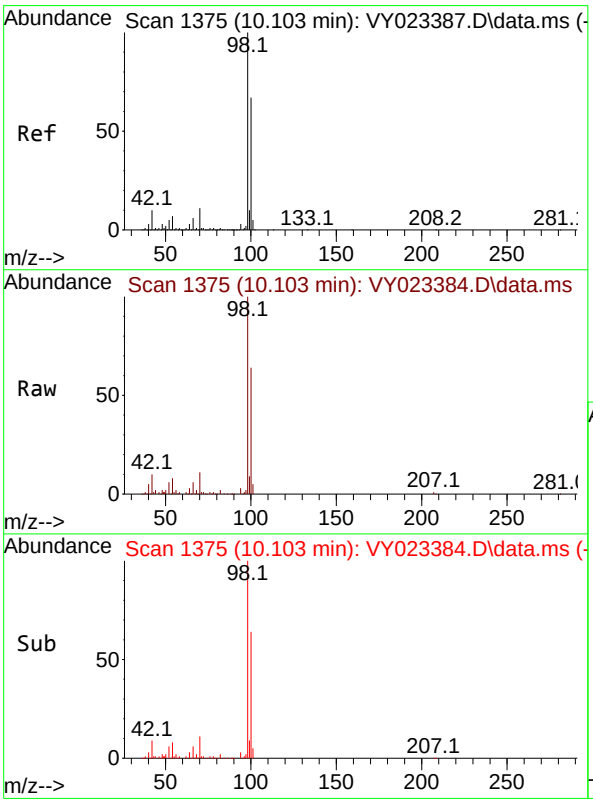
Ion	Ratio	Lower	Upper
88	100		
43	43.1	21.8	32.8
58	63.4	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

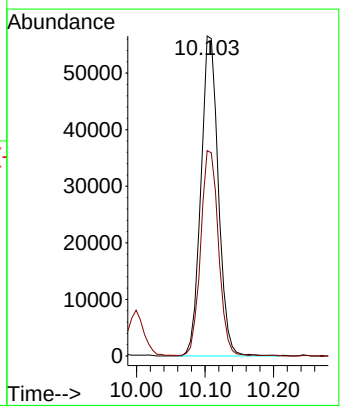
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

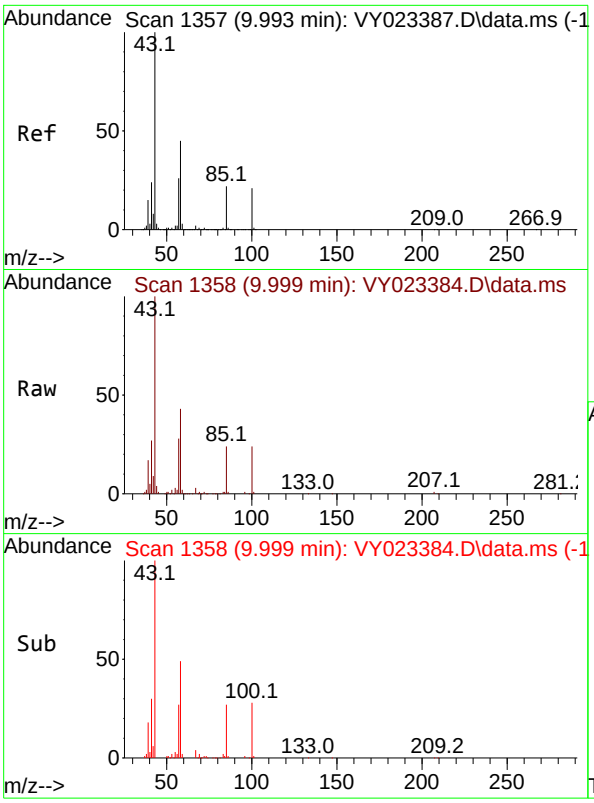


#50
Toluene-d8
Concen: 4.946 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 98 Resp: 99905

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

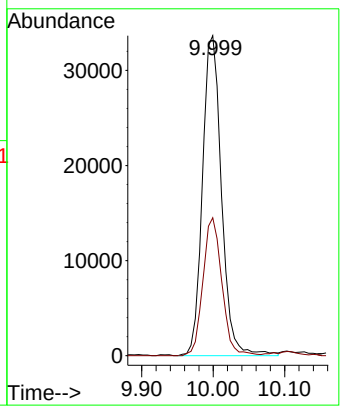




#51
4-Methyl-2-Pentanone
Concen: 20.925 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 43 Resp: 6227

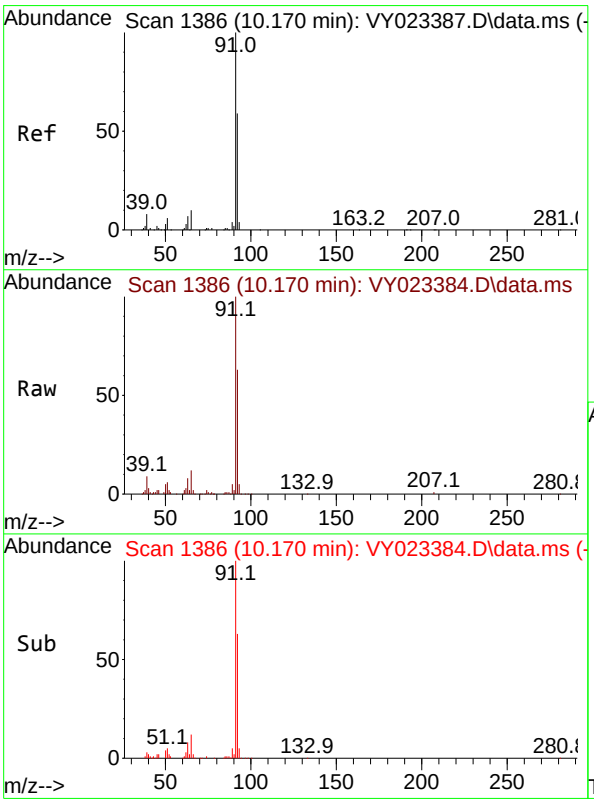
Ion	Ratio	Lower	Upper
43	100		
58	42.7	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

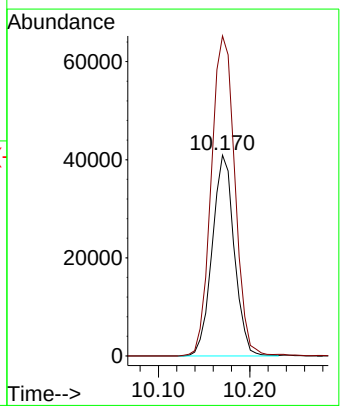
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

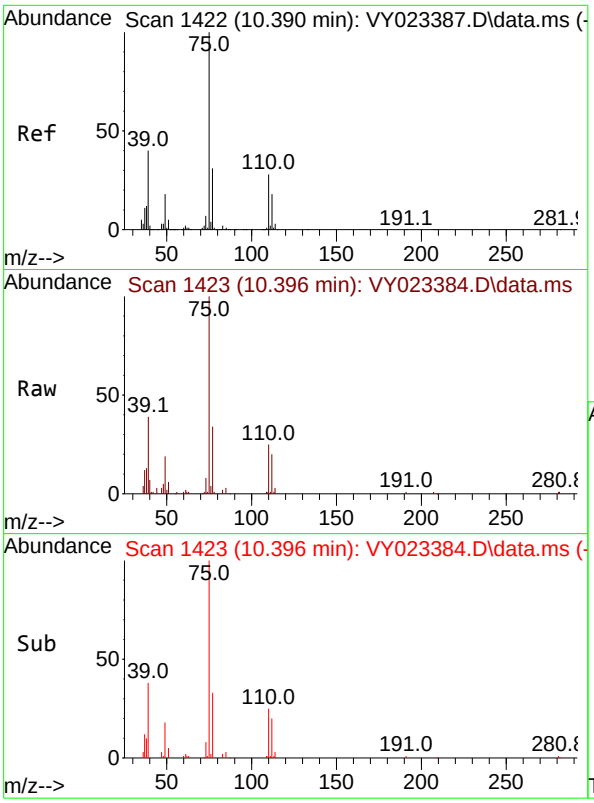


#52
Toluene
Concen: 4.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 92 Resp: 68550

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.4	204.6

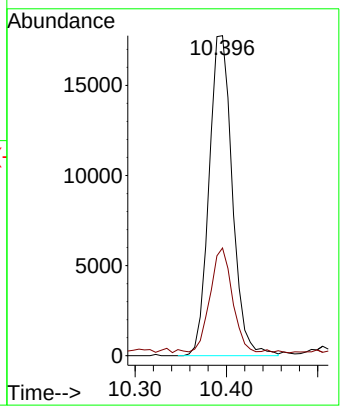




#53
t-1,3-Dichloropropene
Concen: 4.491 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 3147

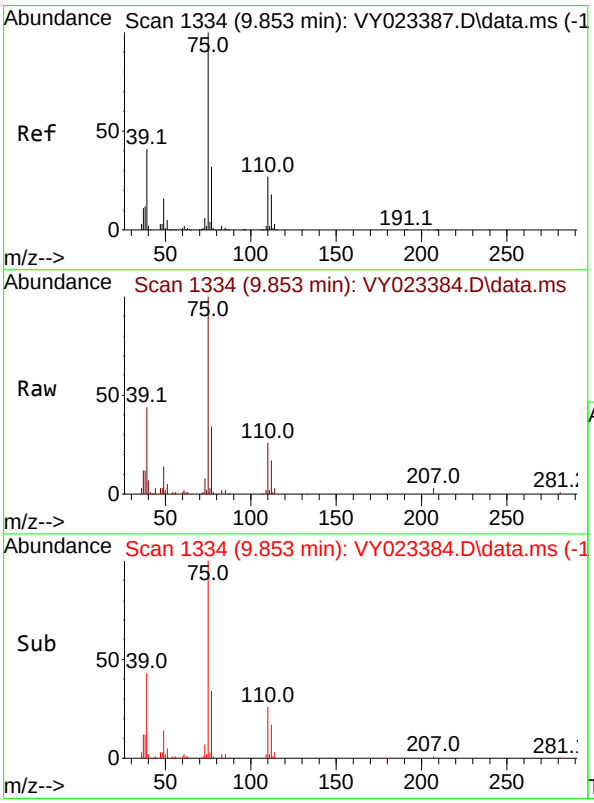
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

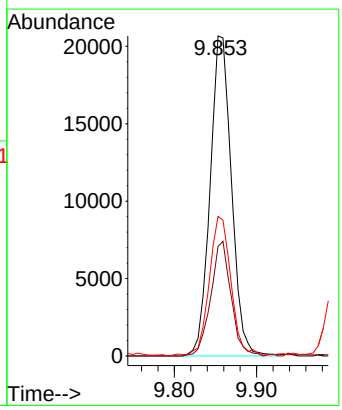
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

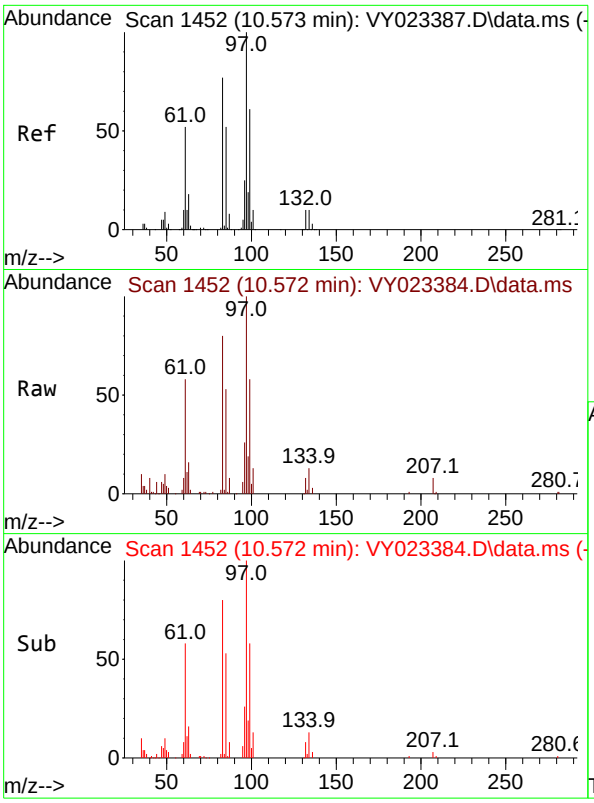


#54
cis-1,3-Dichloropropene
Concen: 4.463 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

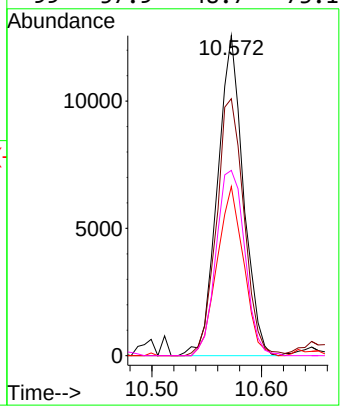




#55
1,1,2-Trichloroethane
Concen: 4.786 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 97 Resp: 2064

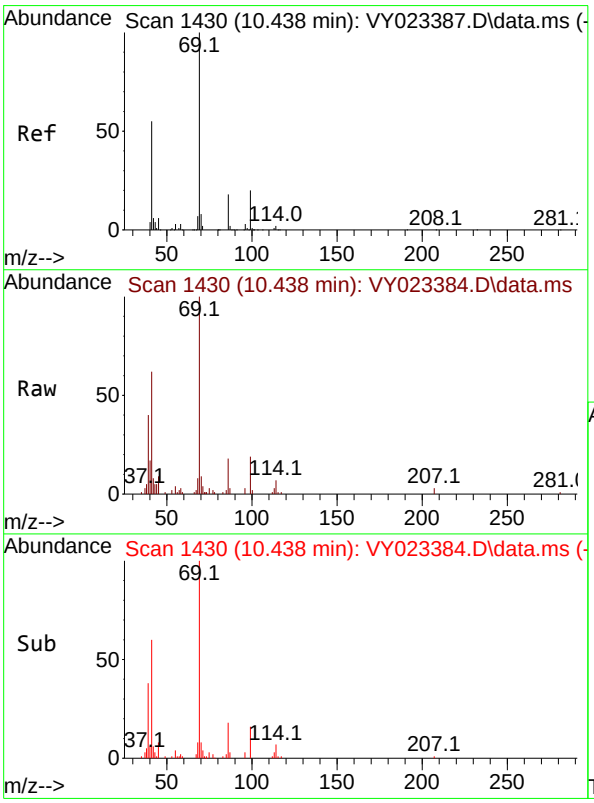
Ion	Ratio	Lower	Upper
97	100		
83	80.3	61.8	92.6
85	52.8	41.3	61.9
99	57.9	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

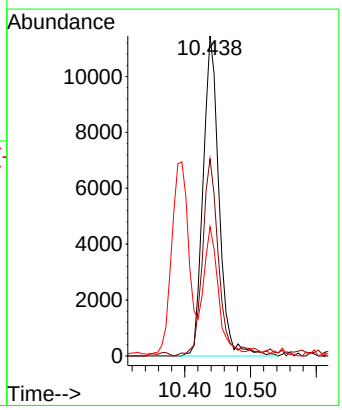
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

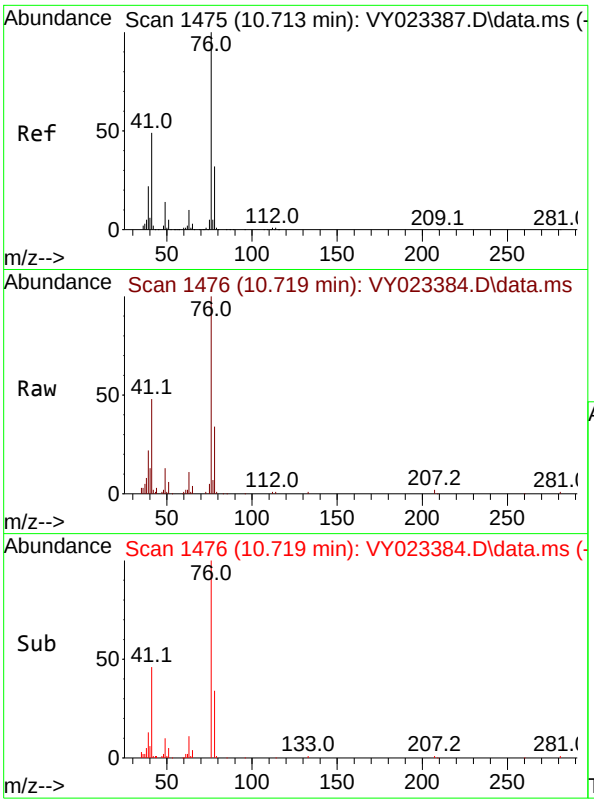


#56
Ethyl methacrylate
Concen: 3.891 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

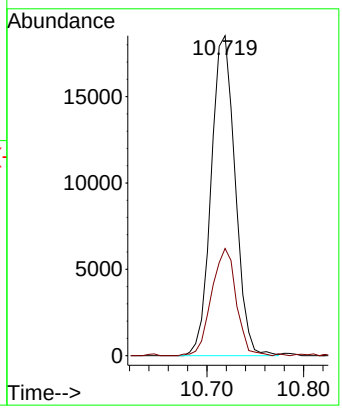




#57
1,3-Dichloropropane
Concen: 4.560 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 76 Resp: 3183

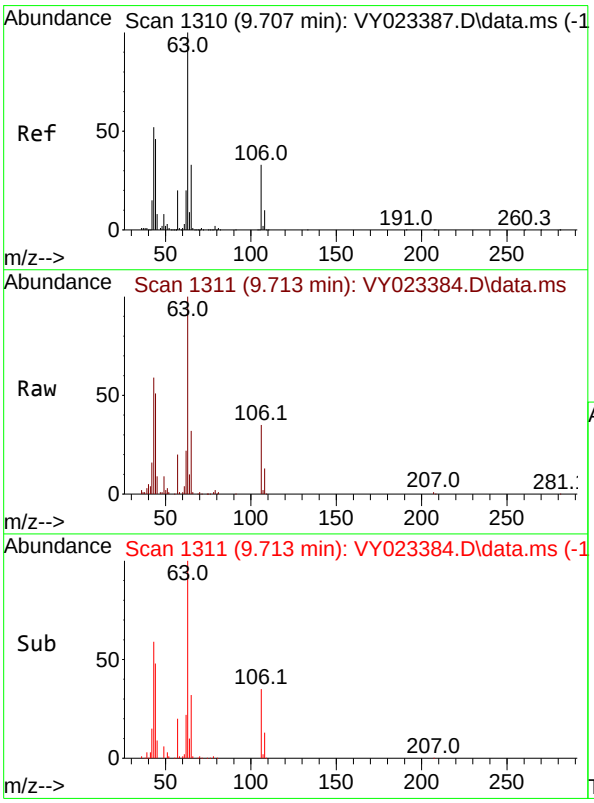
Ion	Ratio	Lower	Upper
76	100		
78	34.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

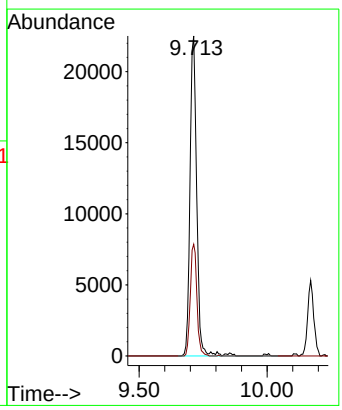
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

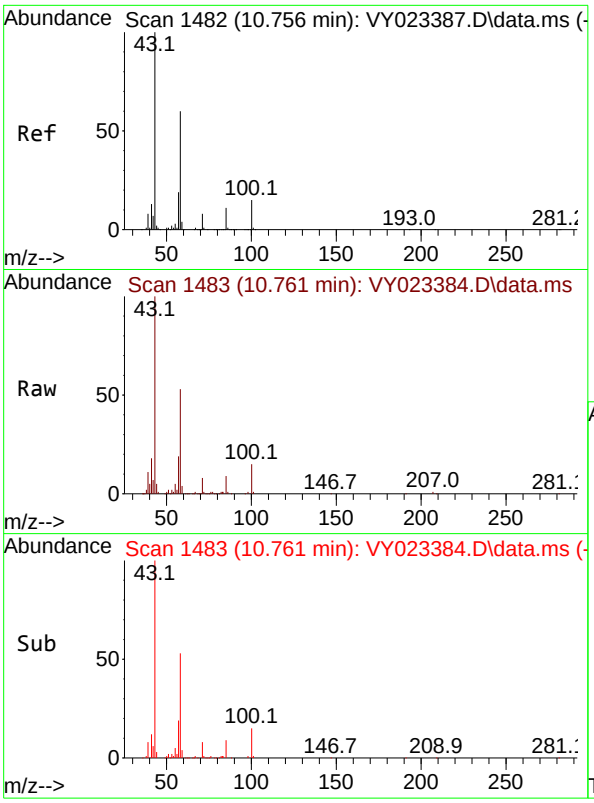


#58
2-Chloroethyl Vinyl ether
Concen: 18.894 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

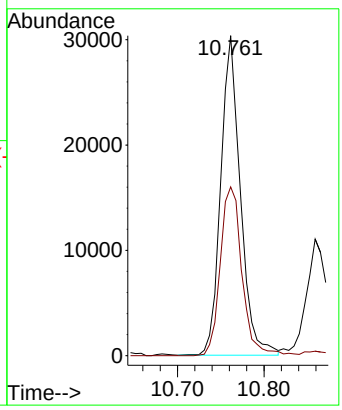
Tgt Ion: 43 Resp: 4777

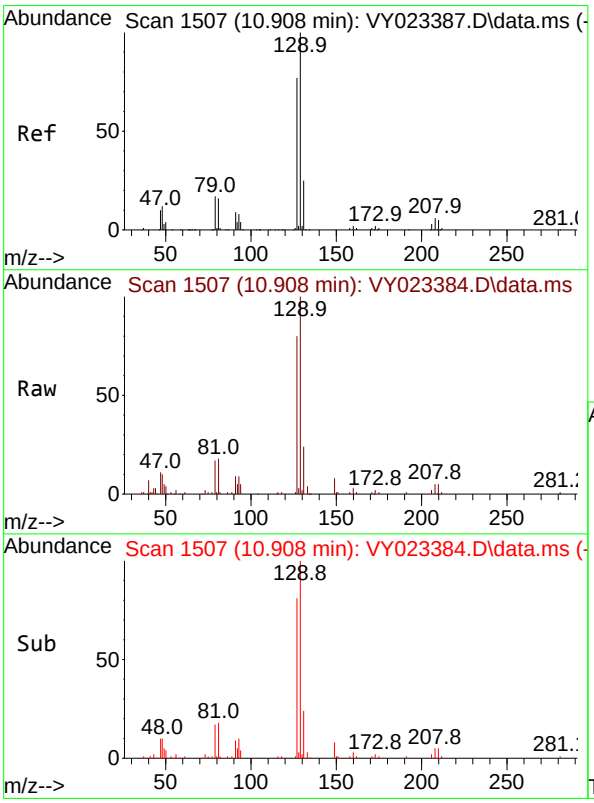
Ion	Ratio	Lower	Upper
43	100		
58	58.4	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

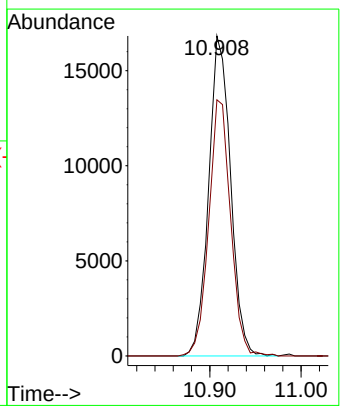


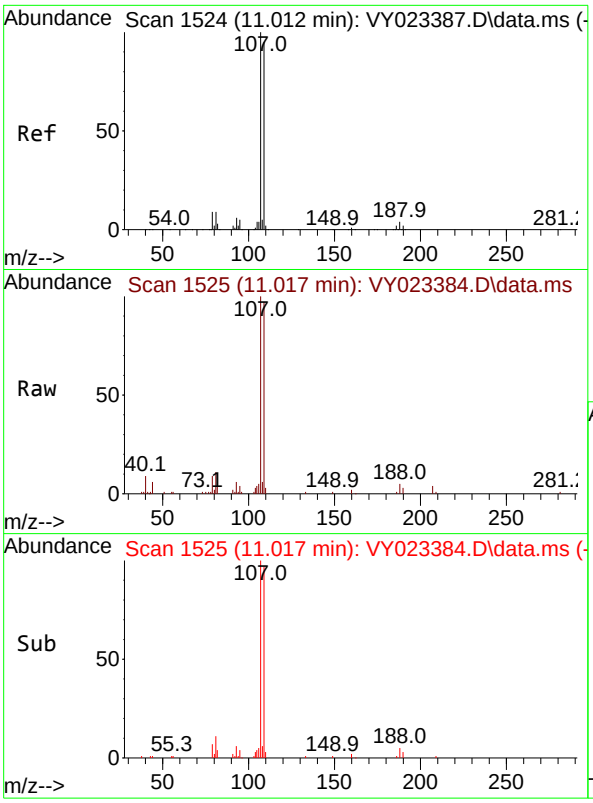


#60
Dibromochloromethane
Concen: 4.783 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:129 Resp: 28135

Ion	Ratio	Lower	Upper
129	100		
127	79.7	38.6	115.7

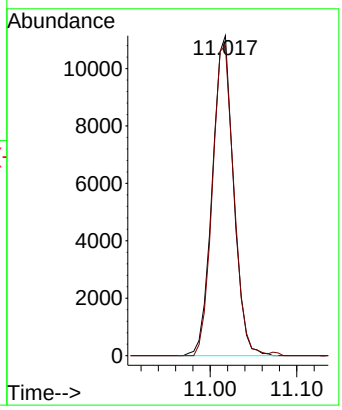




#61
1,2-Dibromoethane
Concen: 4.673 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:107 Resp: 1895

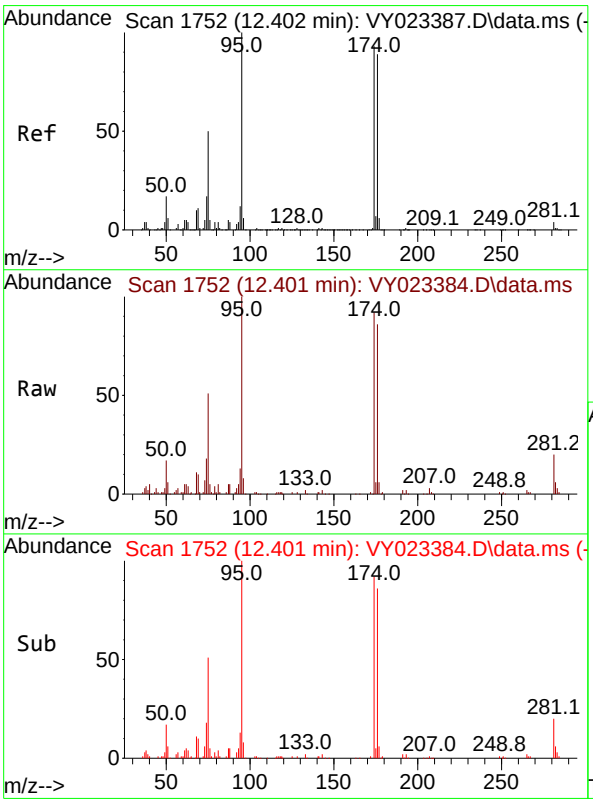
Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

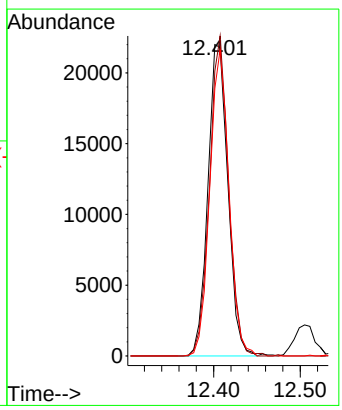
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

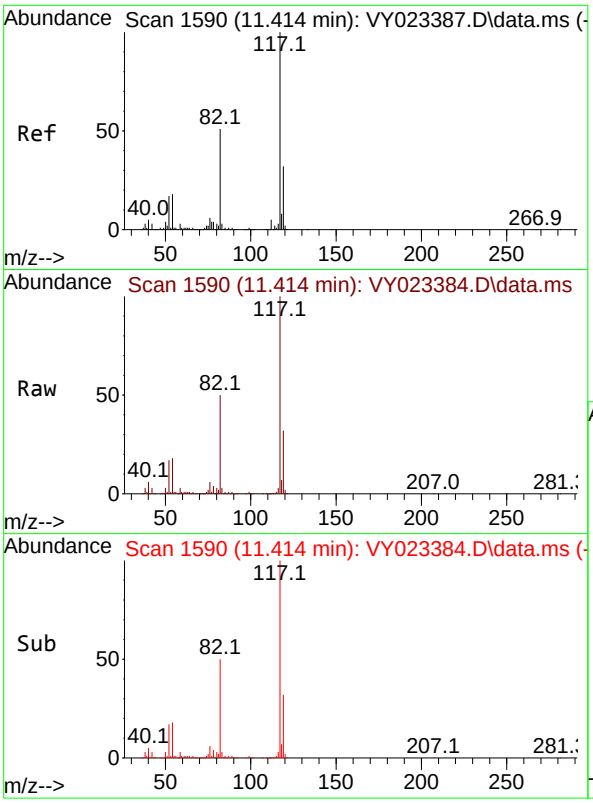


#62
4-Bromofluorobenzene
Concen: 5.548 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

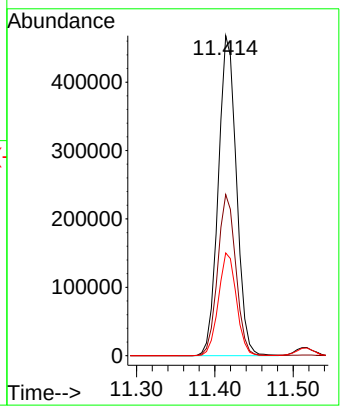




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:117 Resp: 75339

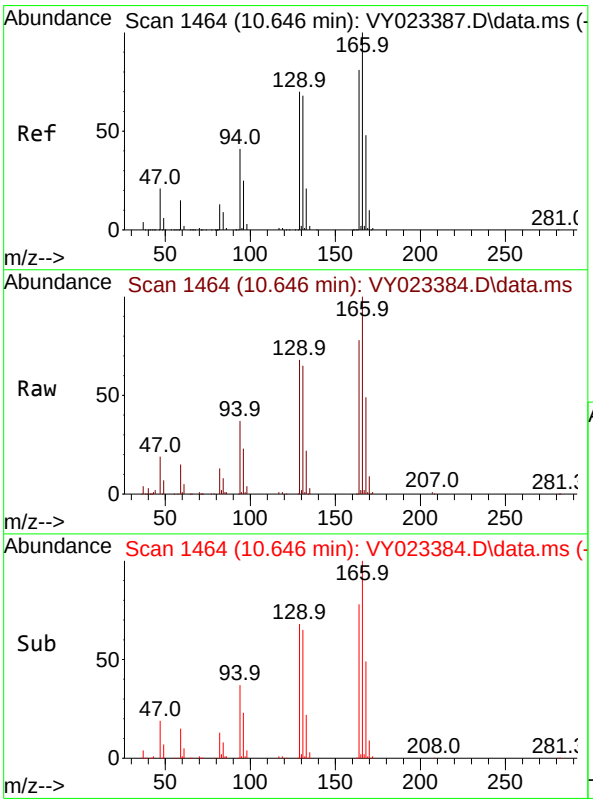
Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	32.1	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

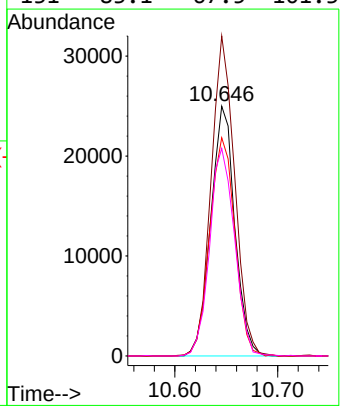
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

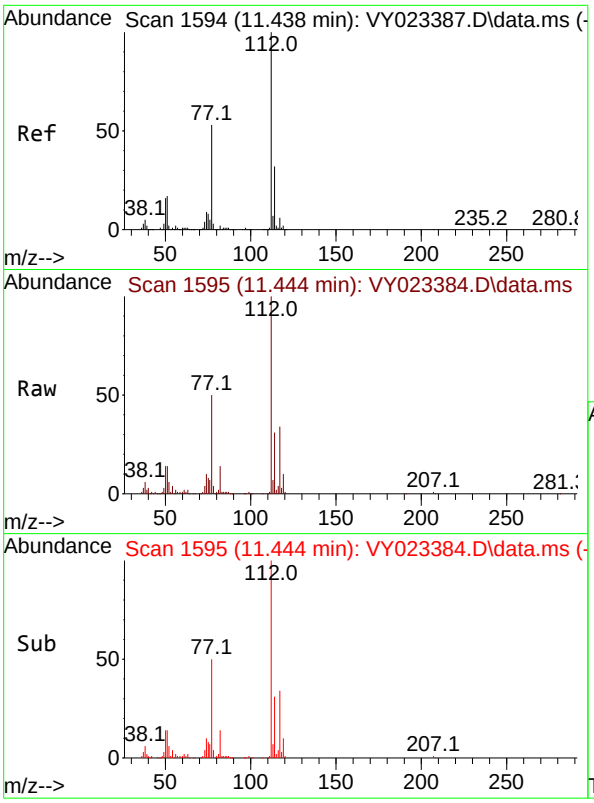


#64
Tetrachloroethene
Concen: 5.383 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

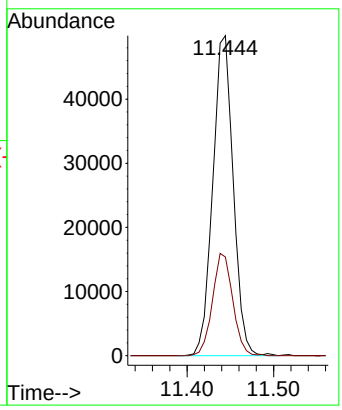




#65
Chlorobenzene
Concen: 4.997 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:112 Resp: 8180

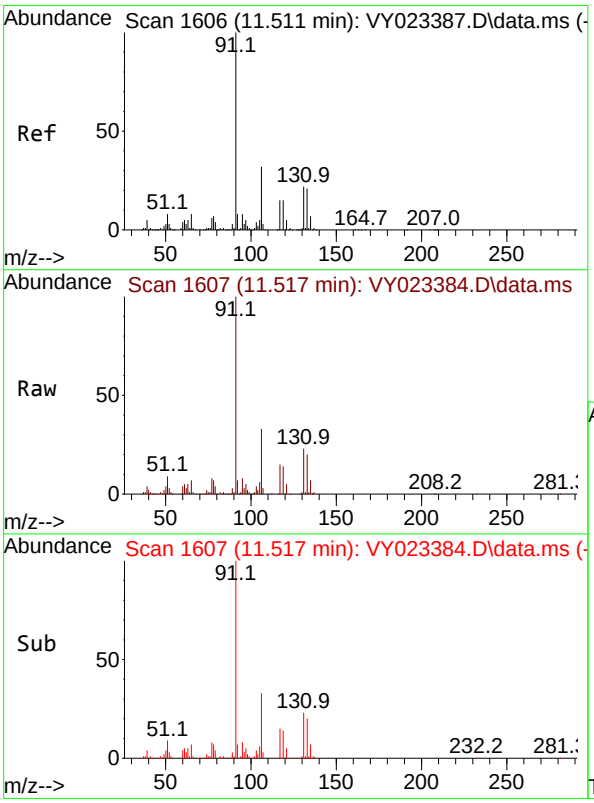
Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

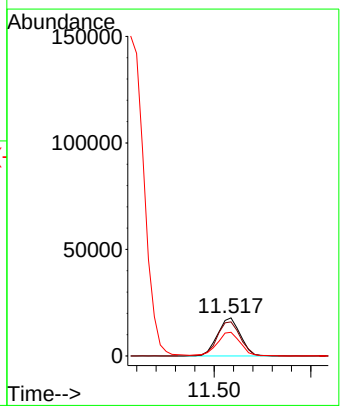
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

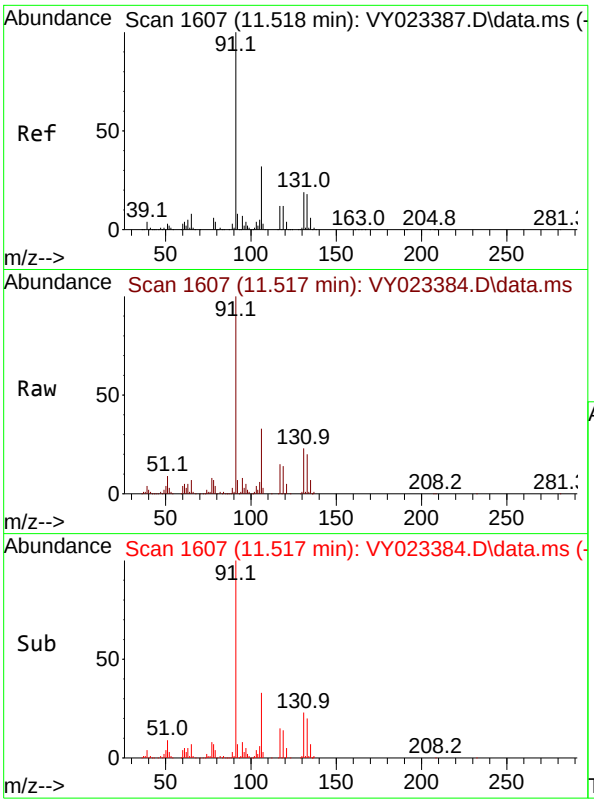


#66
1,1,1,2-Tetrachloroethane
Concen: 5.075 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

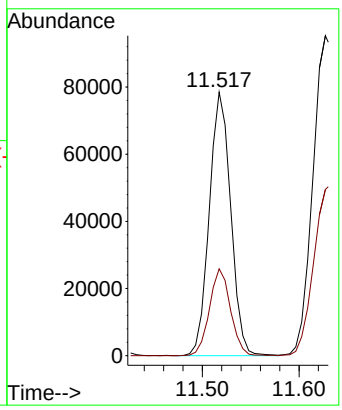




#67
Ethyl Benzene
Concen: 4.529 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 12100

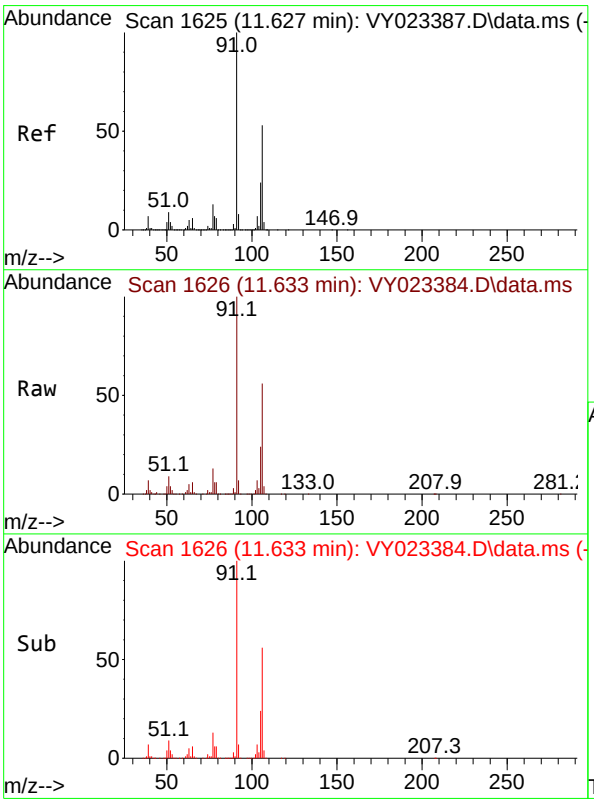
Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

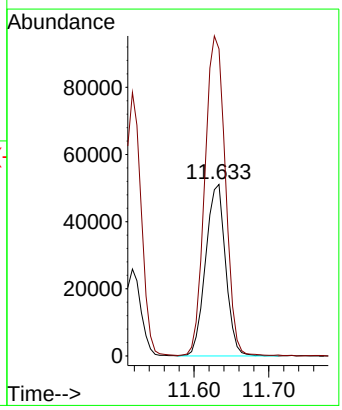
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

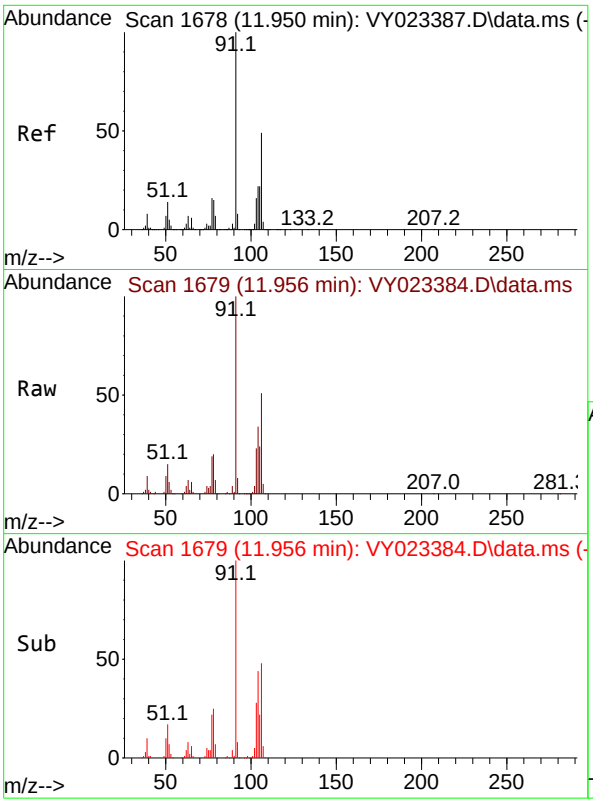


#68
m/p-Xylenes
Concen: 8.887 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:106 Resp: 95176

Ion	Ratio	Lower	Upper
106	100		
91	190.5	152.6	229.0

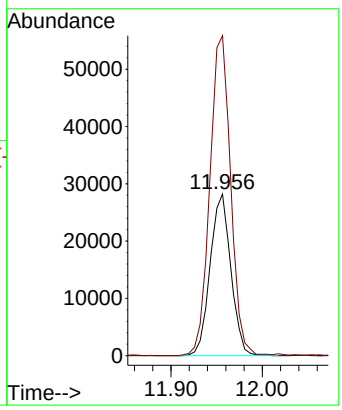




#69
o-Xylene
Concen: 4.466 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:106 Resp: 4428

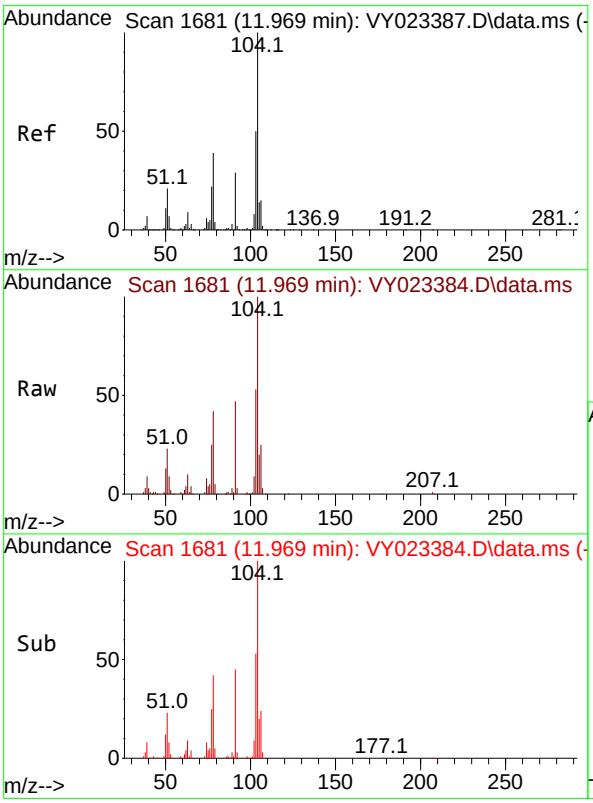
Ion	Ratio	Lower	Upper
106	100		
91	199.7	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

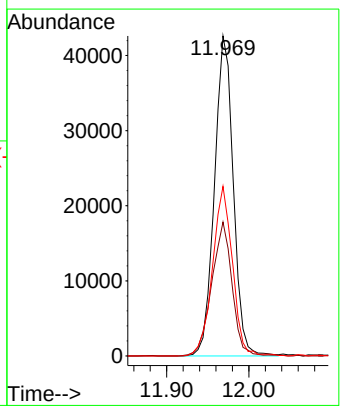
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

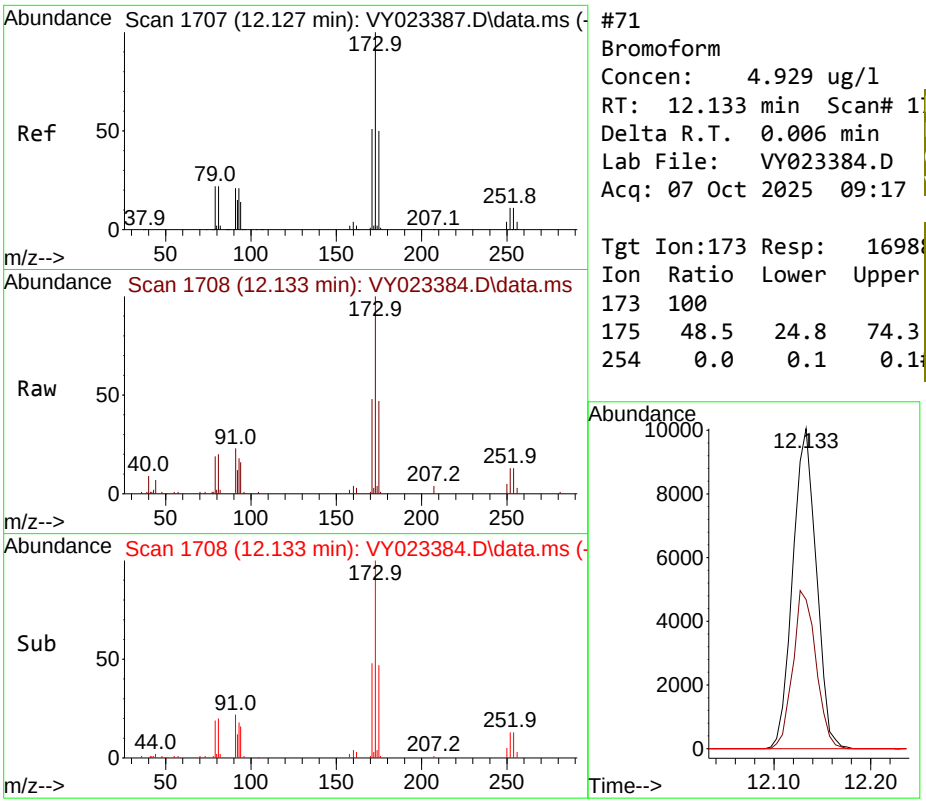


#70
Styrene
Concen: 4.152 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

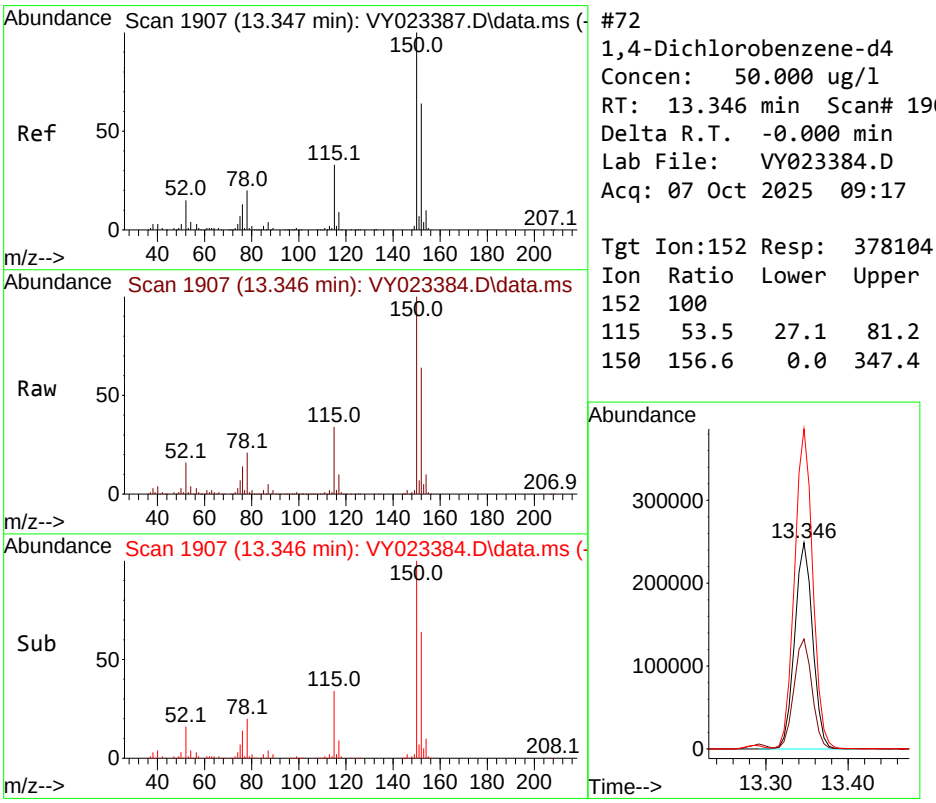
Tgt Ion:173 Resp: 1698

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 APPROVED

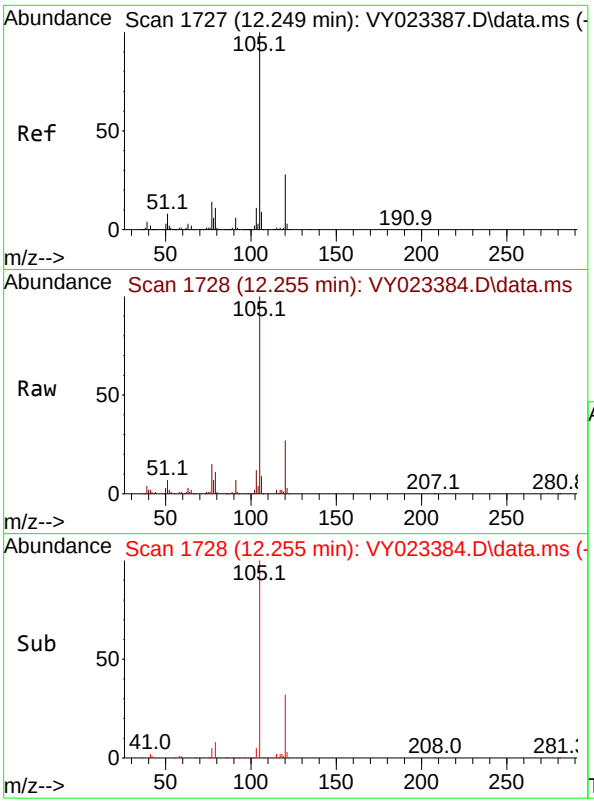
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

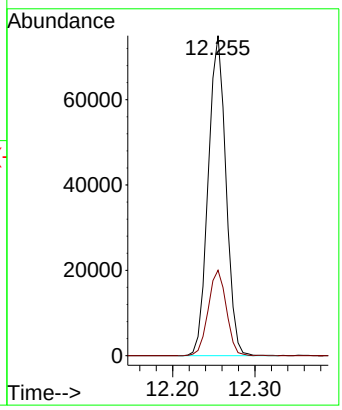
Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.1	81.2
150	156.6	0.0	347.4



#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

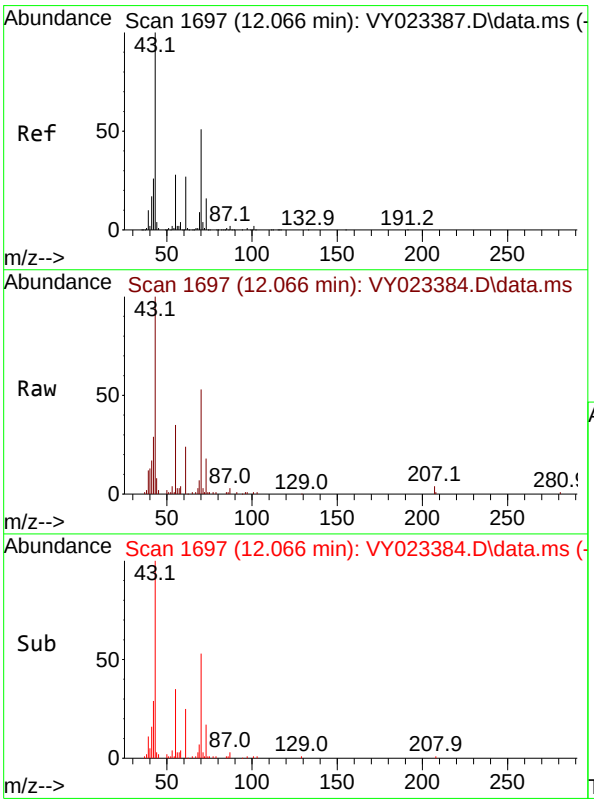
Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

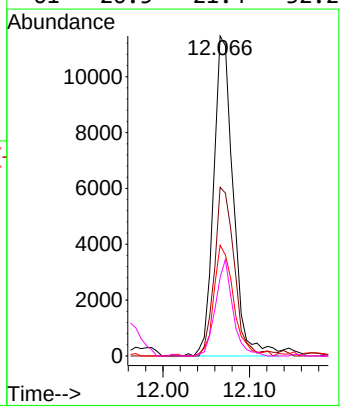
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

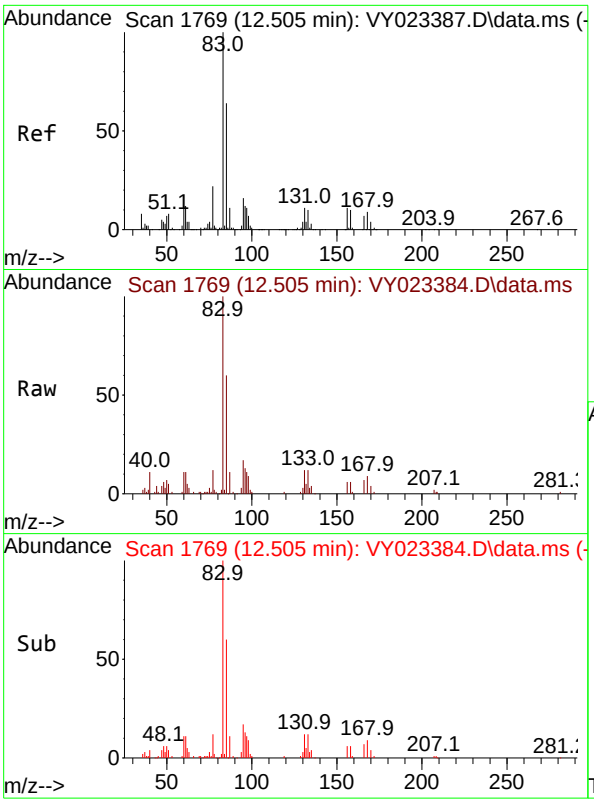


#74
N-amyl acetate
Concen: 3.833 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

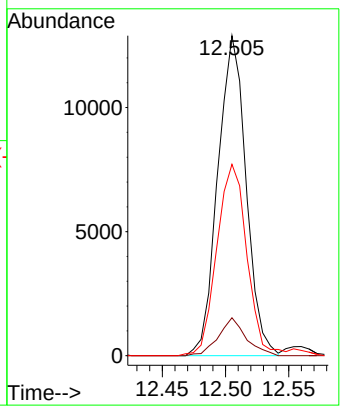




#75
1,1,2,2-Tetrachloroethane
Concen: 4.773 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 83 Resp: 2005

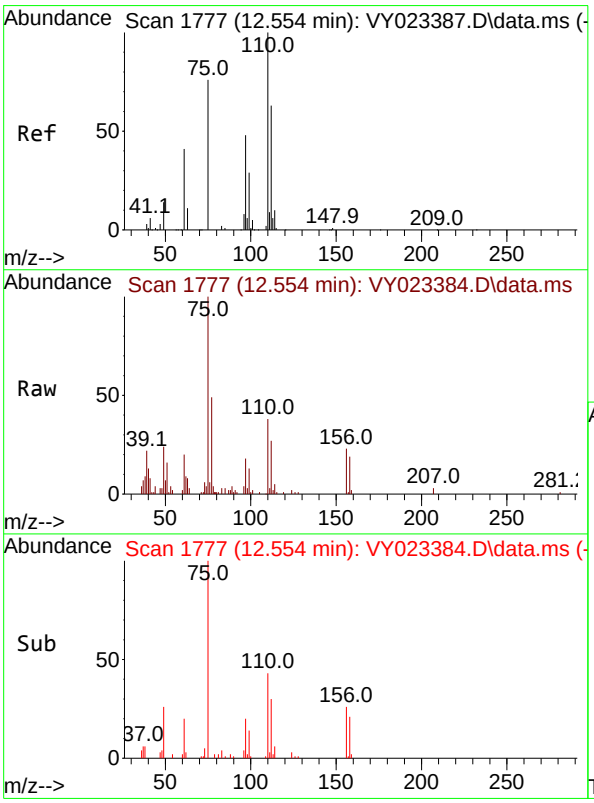
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.9	17.6
85	63.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

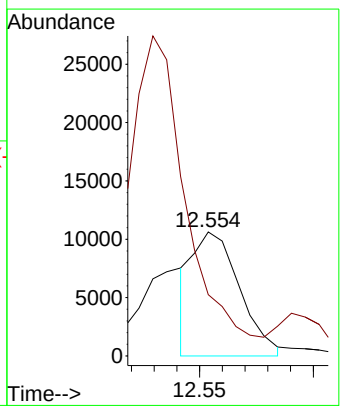
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

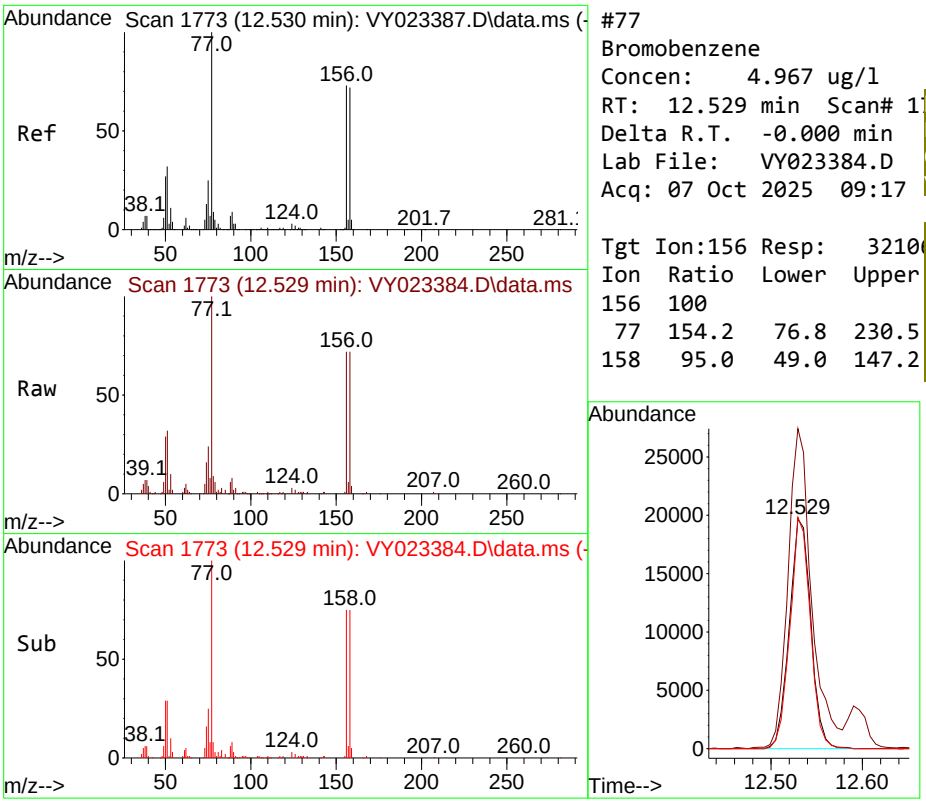


#76
1,2,3-Trichloropropane
Concen: 4.118 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

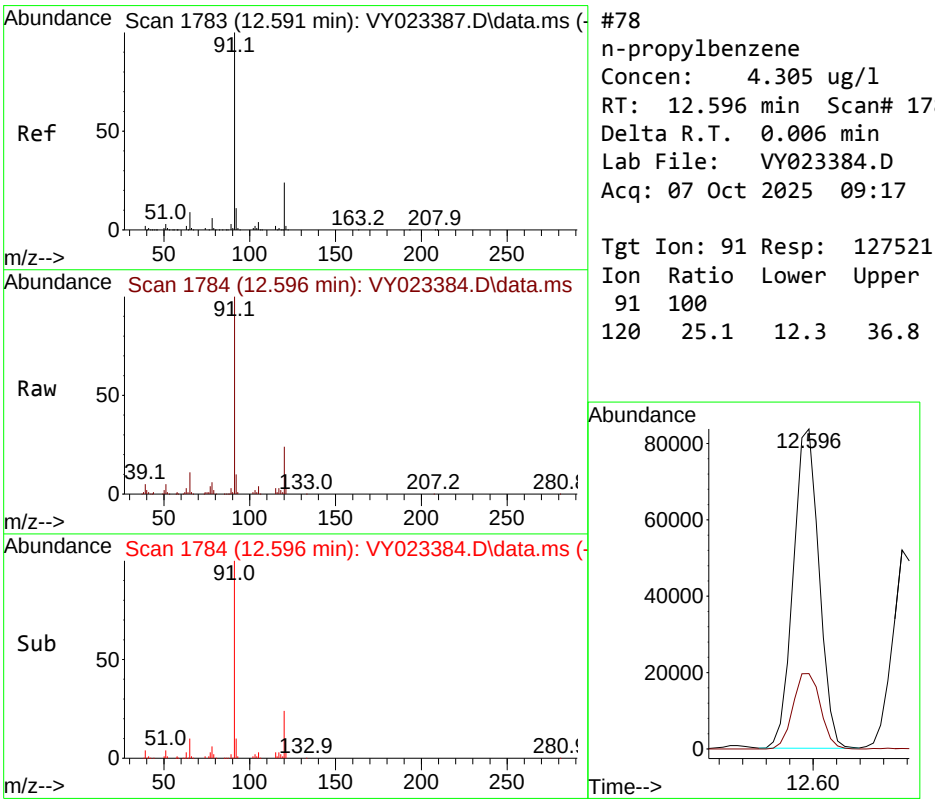
Tgt Ion:156 Resp: 3210

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

Manual Integrations APPROVED

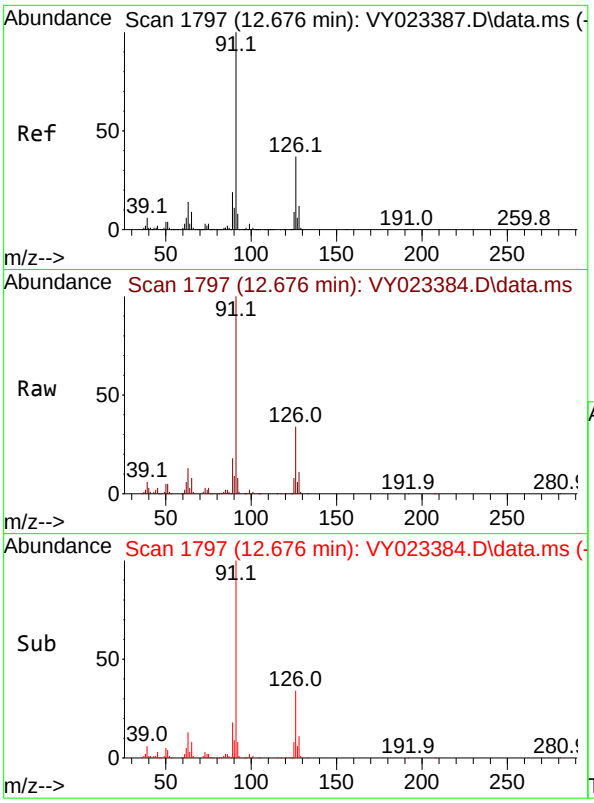
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

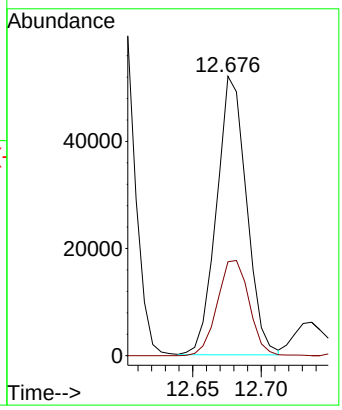
Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8



#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

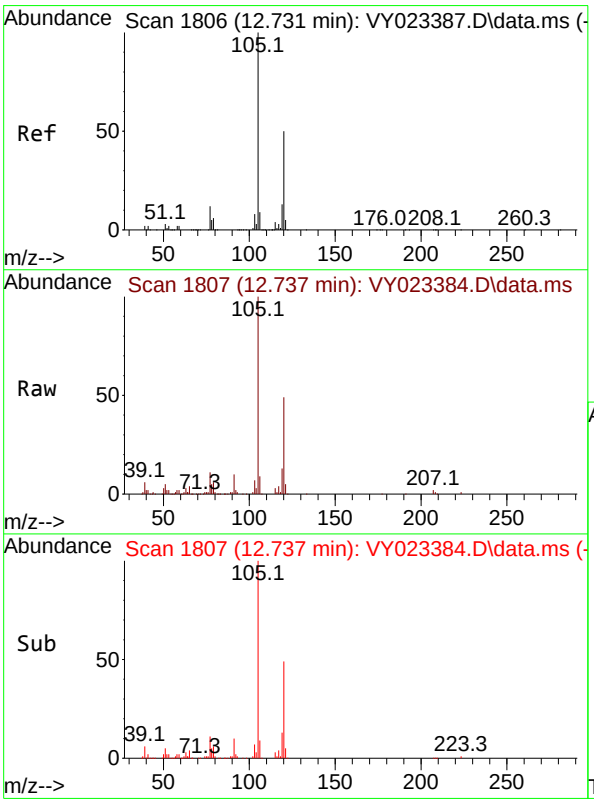
Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

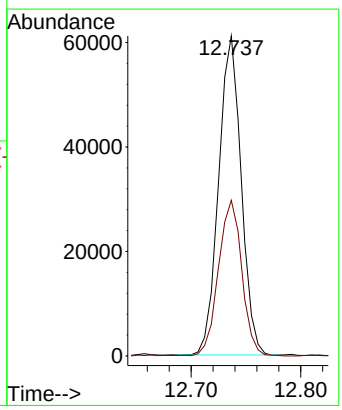
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

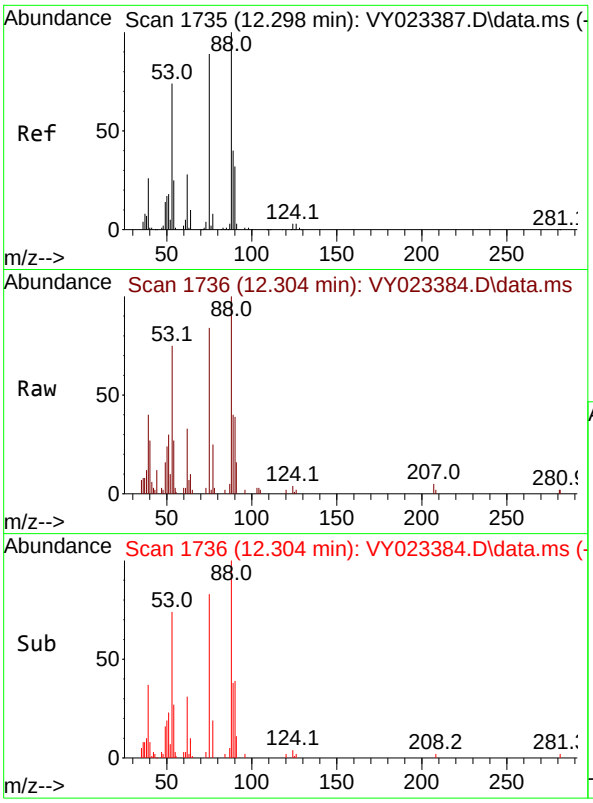


#80
1,3,5-Trimethylbenzene
Concen: 4.264 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 87297

Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.4	76.4

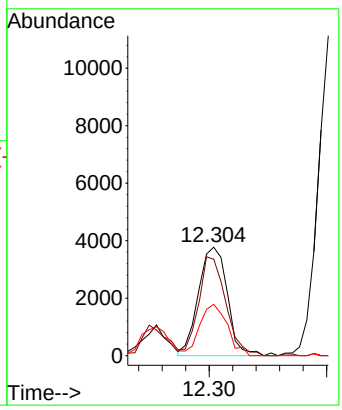




#81
trans-1,4-Dichloro-2-butene
Concen: 4.680 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 75 Resp: 647

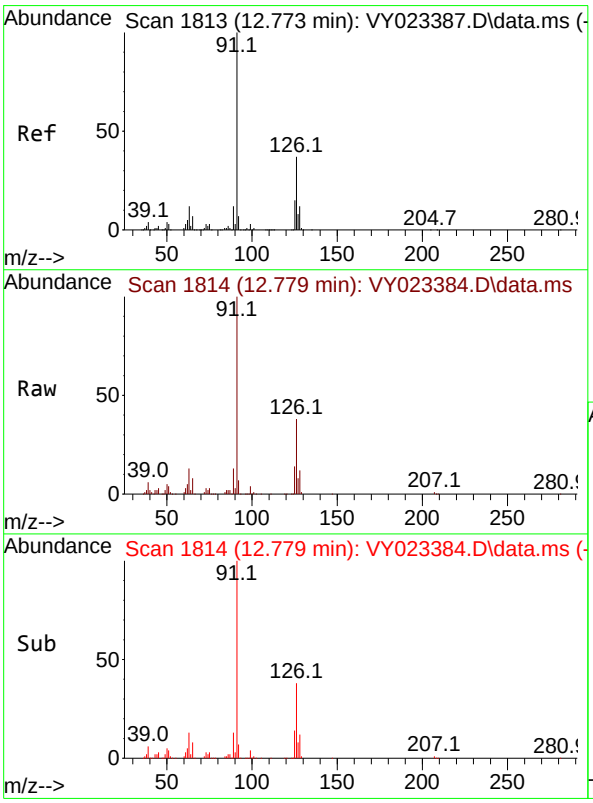
Ion	Ratio	Lower	Upper
75	100		
53	85.6	68.6	102.8
89	44.4	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

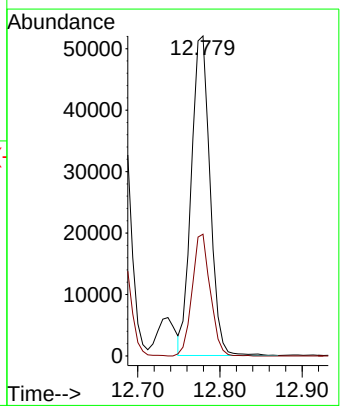
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

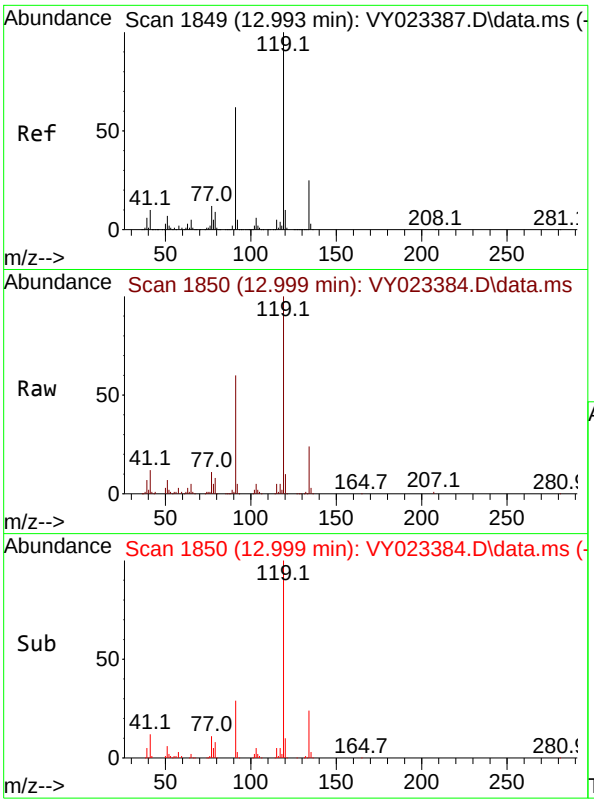


#82
4-Chlorotoluene
Concen: 4.600 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion: 91 Resp: 82155

Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.4	55.4

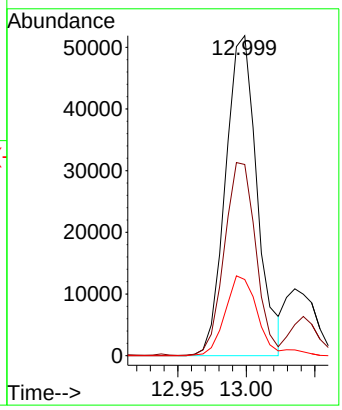




#83
tert-Butylbenzene
Concen: 4.457 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:119 Resp: 8315

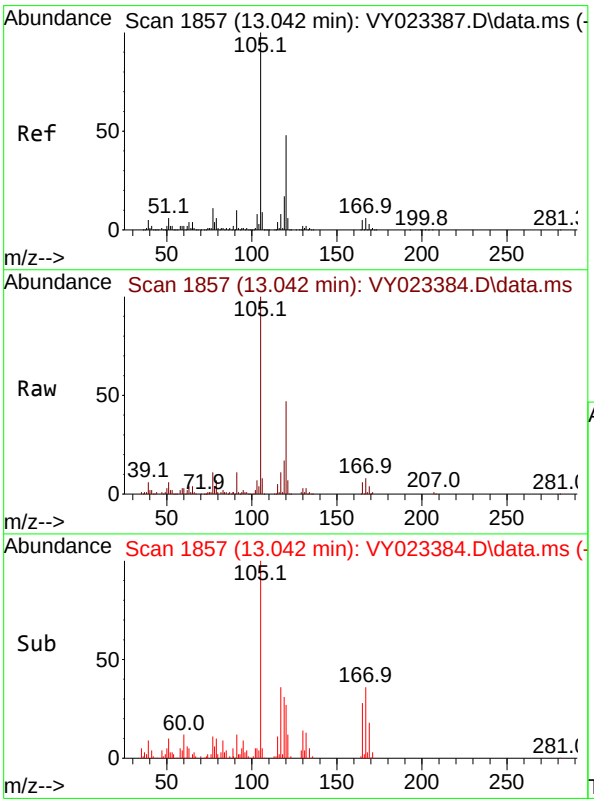
Ion	Ratio	Lower	Upper
119	100		
91	60.0	29.9	89.8
134	26.2	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

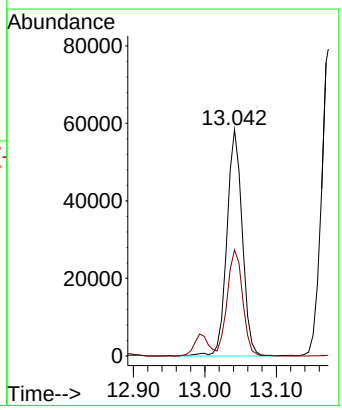
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

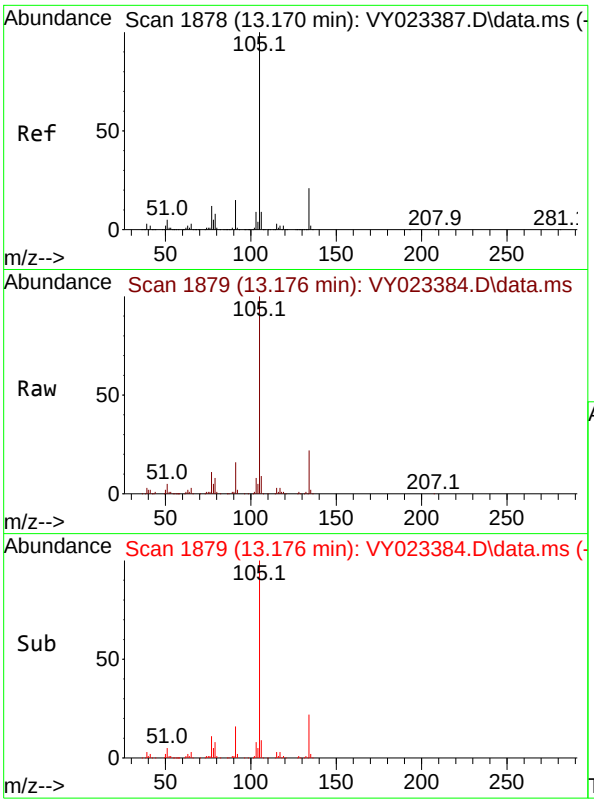


#84
1,2,4-Trimethylbenzene
Concen: 4.294 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 86988

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.2

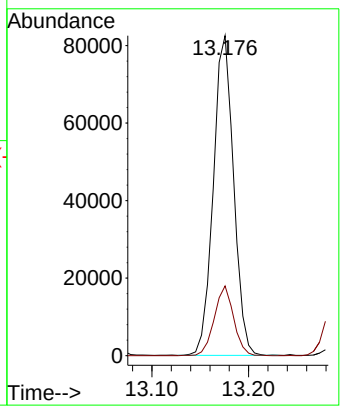




#85
sec-Butylbenzene
Concen: 4.443 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

Tgt Ion:105 Resp: 12006

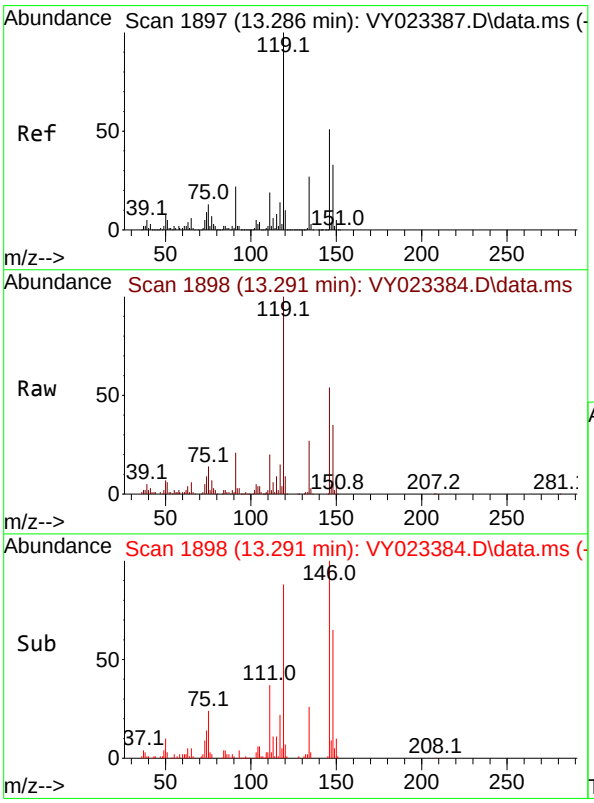
Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

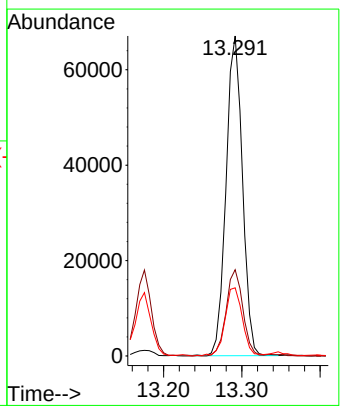
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

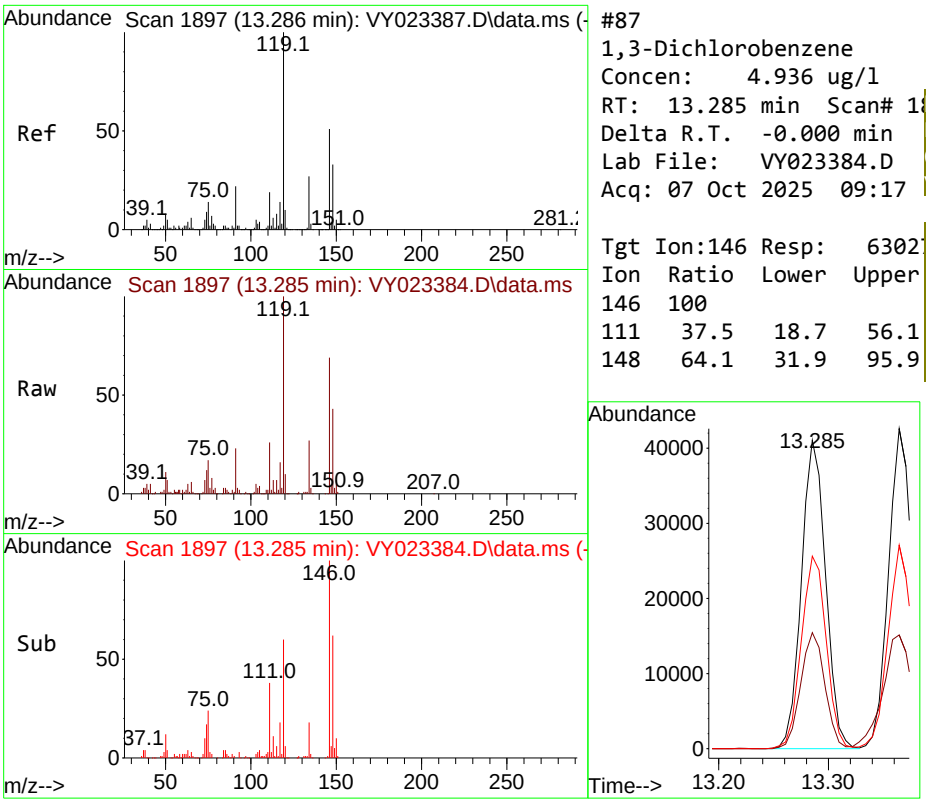


#86
p-Isopropyltoluene
Concen: 4.264 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

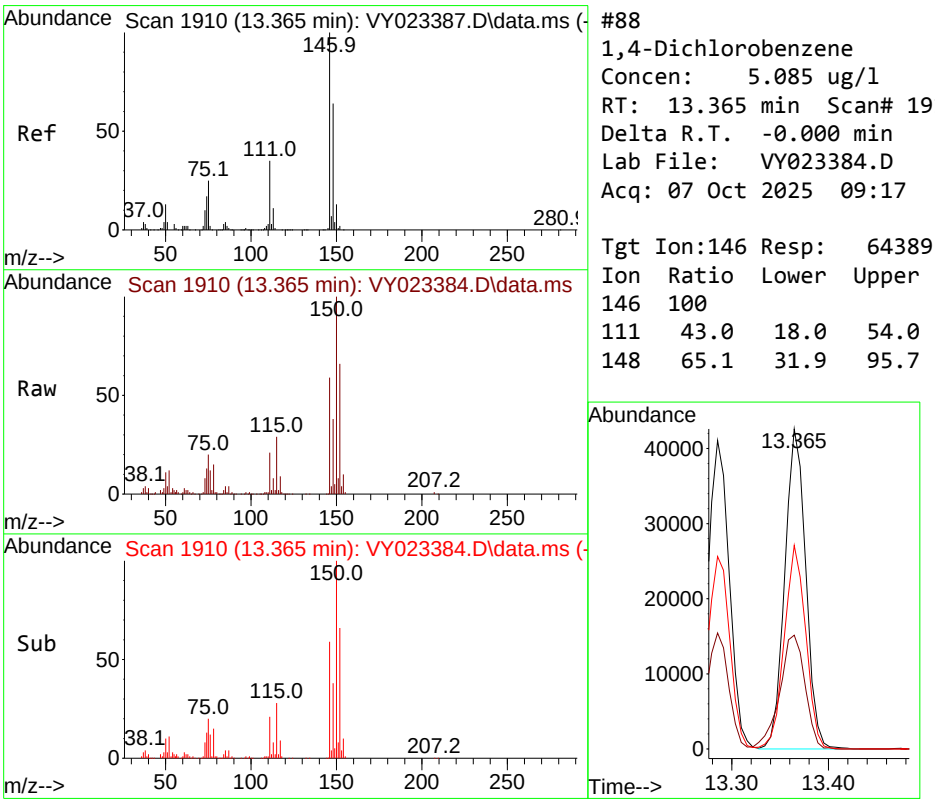
Tgt Ion:146 Resp: 6302

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
APPROVED

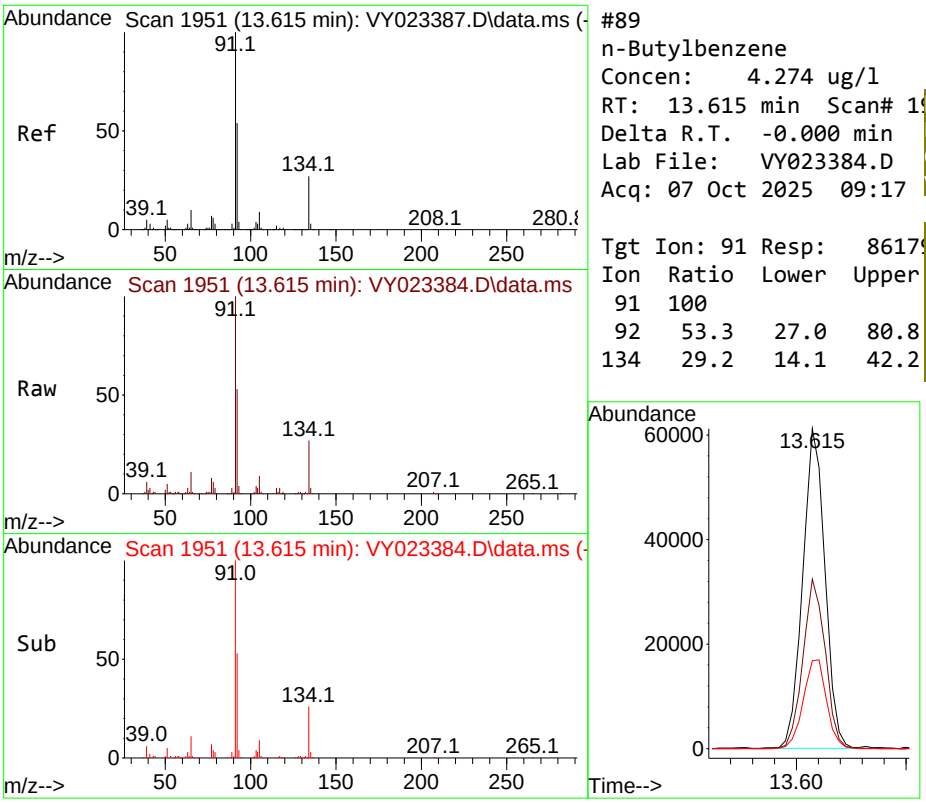
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

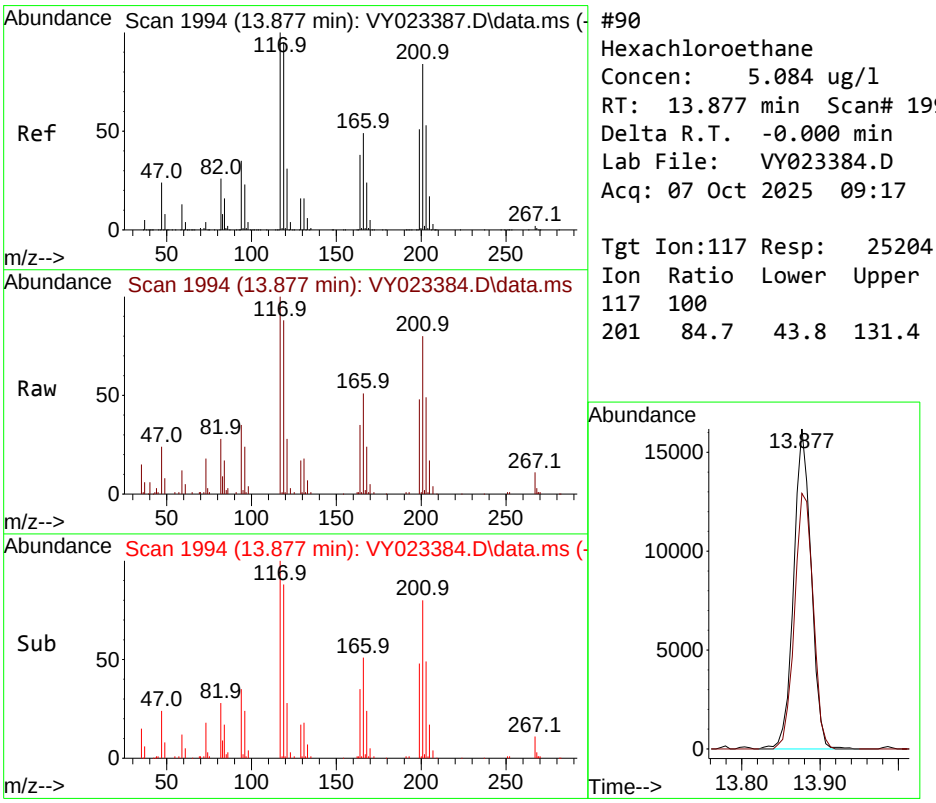
Tgt Ion: 91 Resp: 8617

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

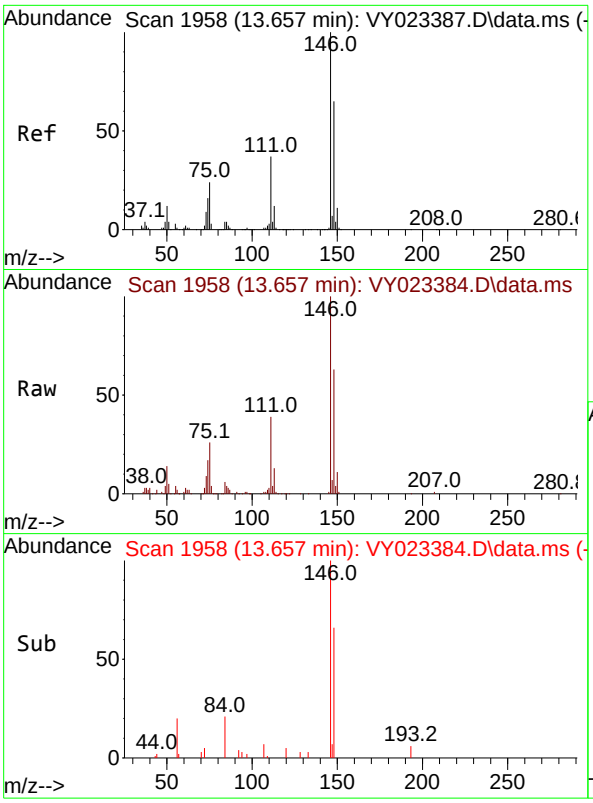
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

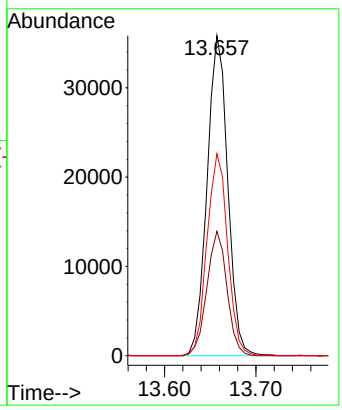
Ion	Ratio	Lower	Upper
117	100		
201	84.7	43.8	131.4



#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

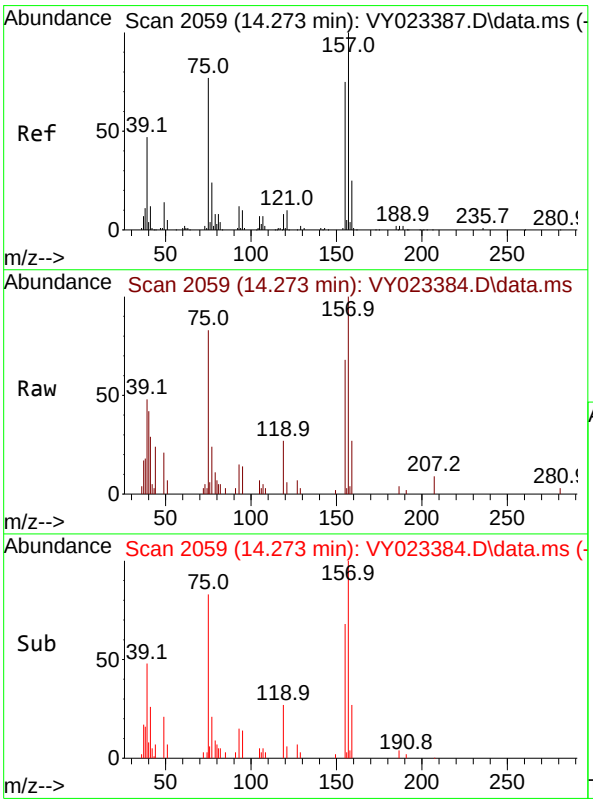
Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	63.0	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

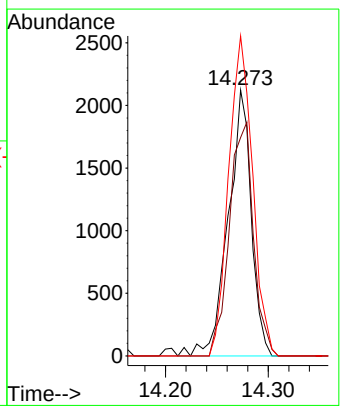
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

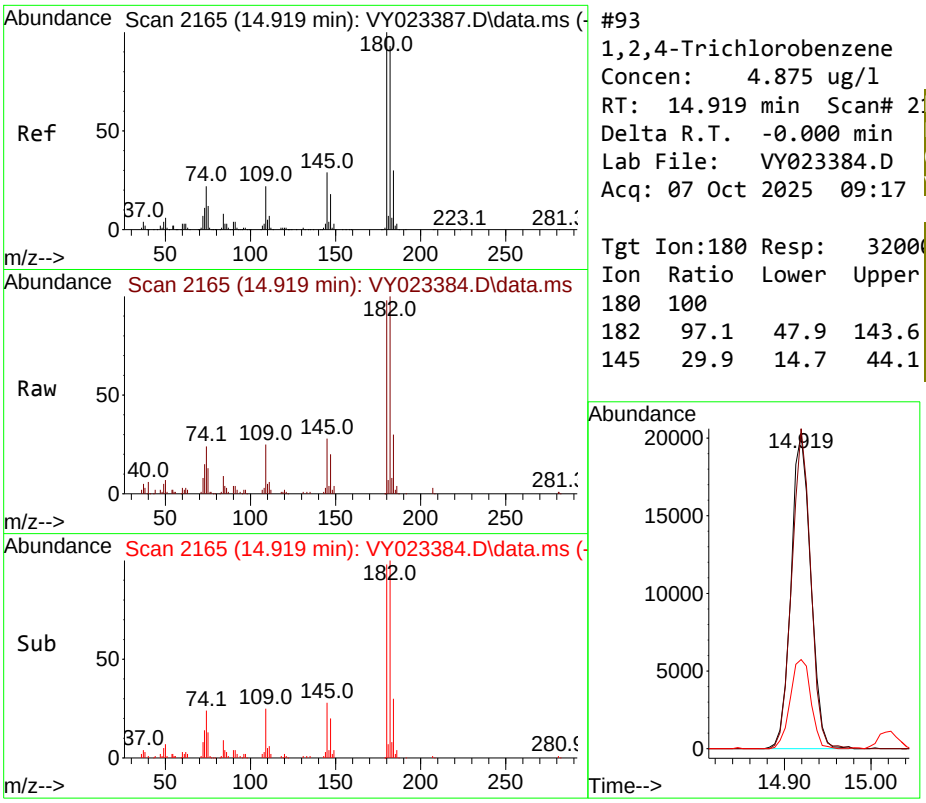


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.964 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023384.D
Acq: 07 Oct 2025 09:17

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

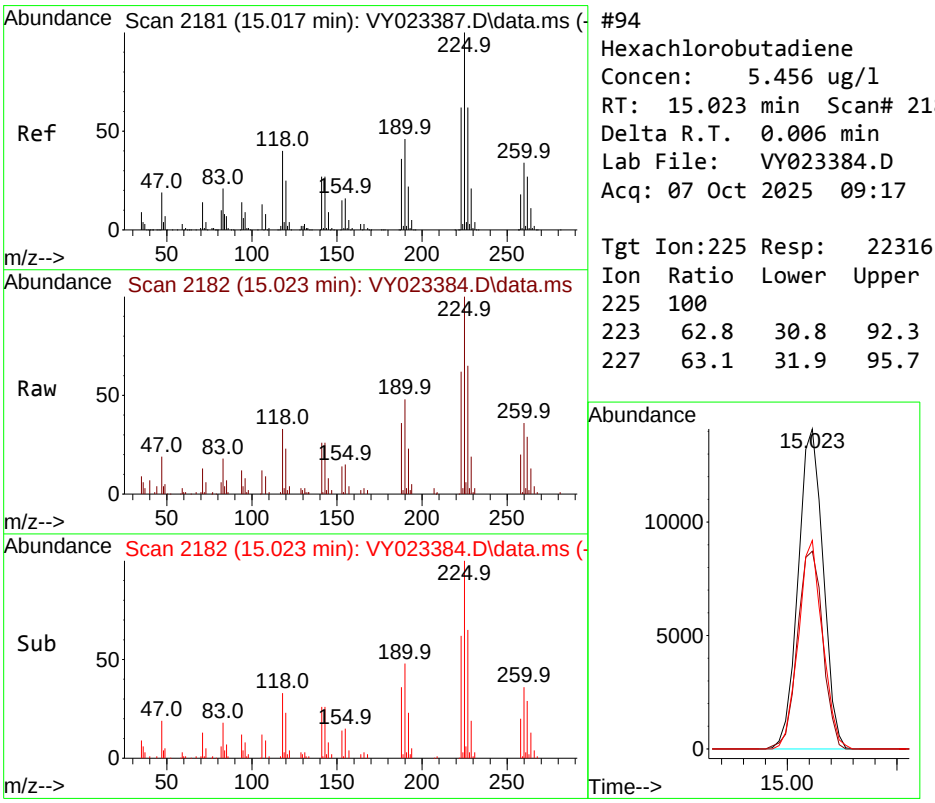
Tgt Ion:180 Resp: 3200

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

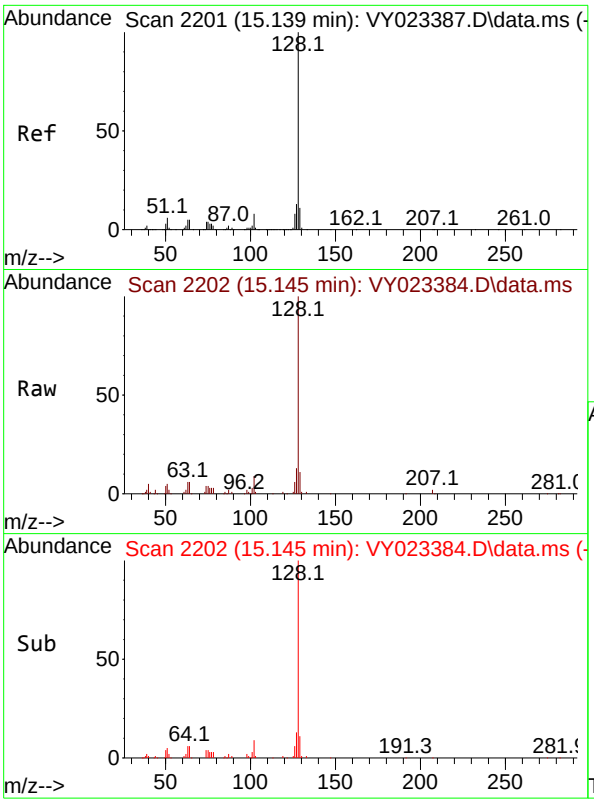
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

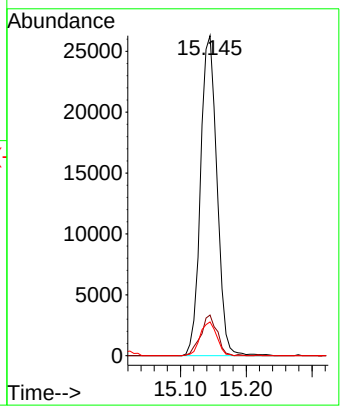
Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.8	92.3
227	63.1	31.9	95.7



#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

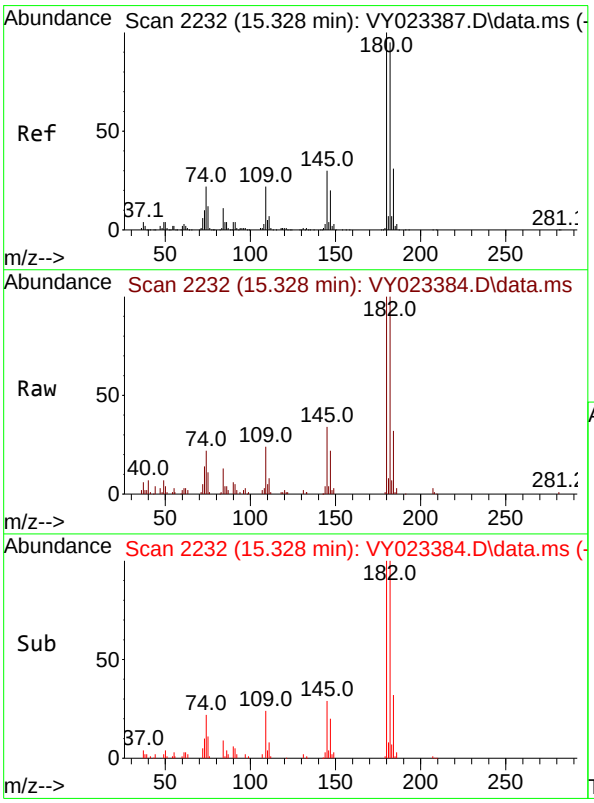
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.7	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

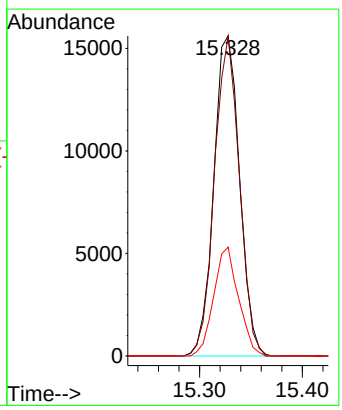
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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)

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

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

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

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

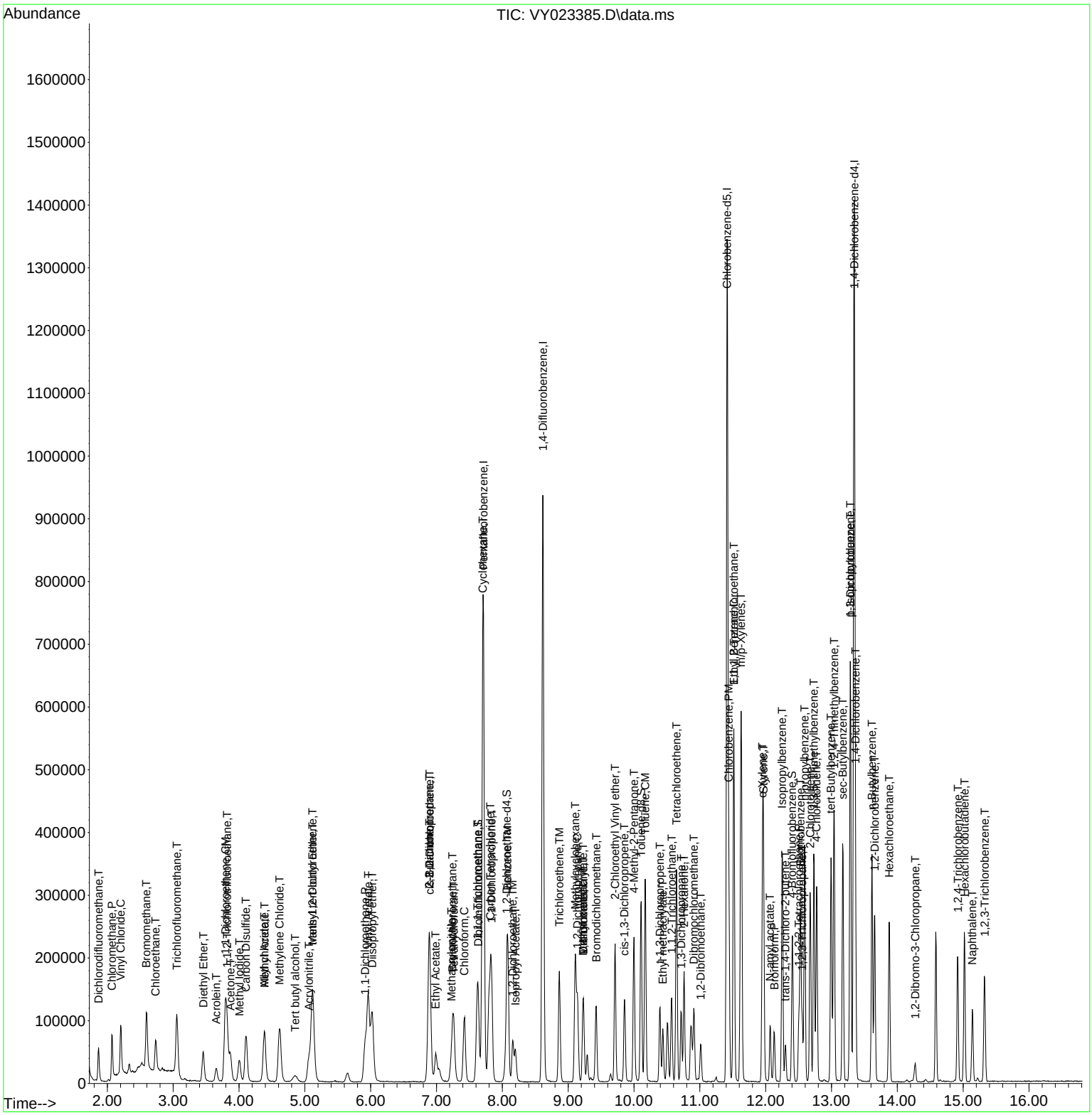
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Data File : VY023385.D
Acq On : 07 Oct 2025 10:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

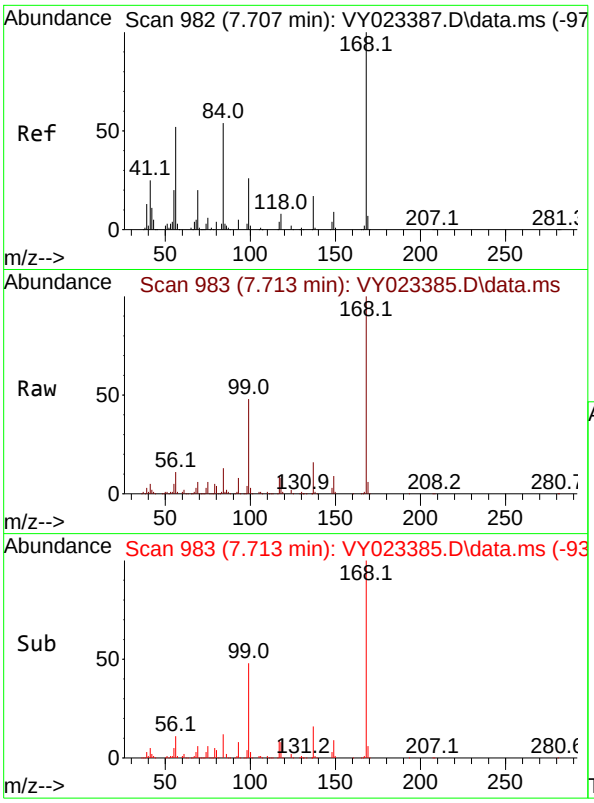
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

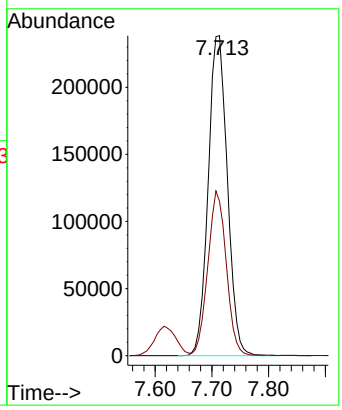




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:168 Resp: 55982

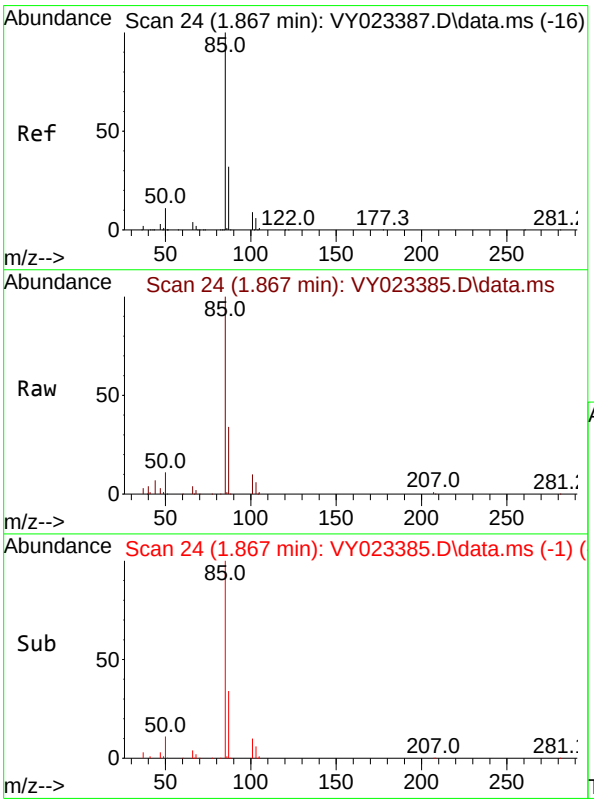
Ion	Ratio	Lower	Upper
168	100		
99	48.2	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

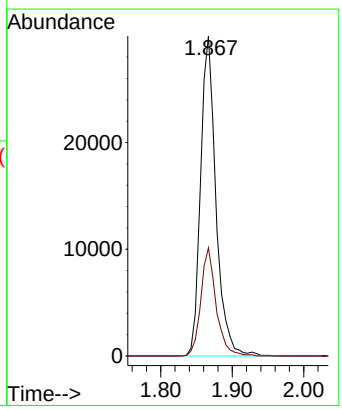
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

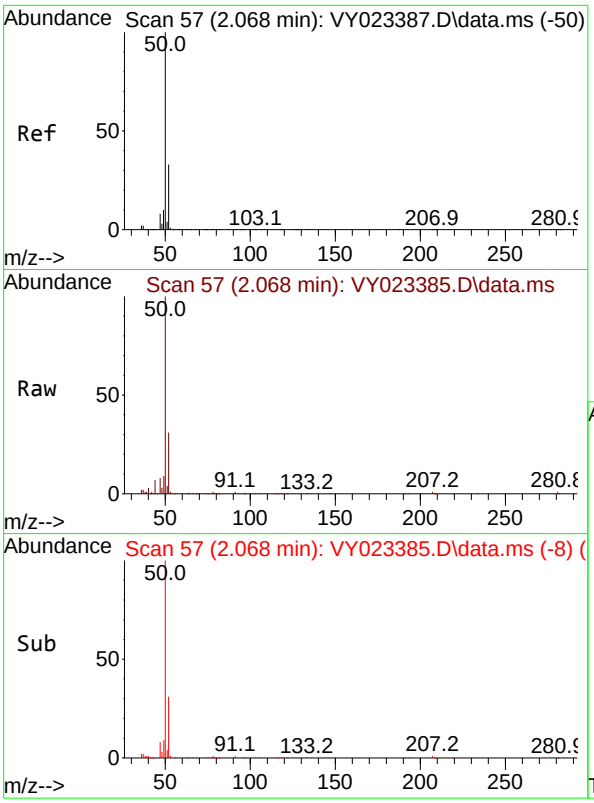


#2
Dichlorodifluoromethane
Concen: 10.129 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 85 Resp: 44666

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.0	47.9

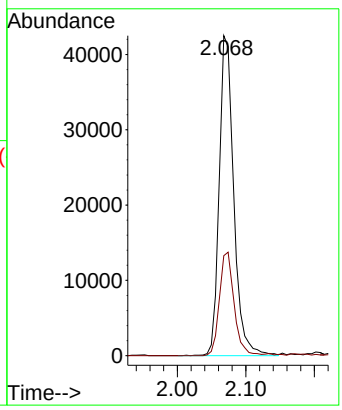




#3
Chloromethane
Concen: 9.957 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 50 Resp: 6241

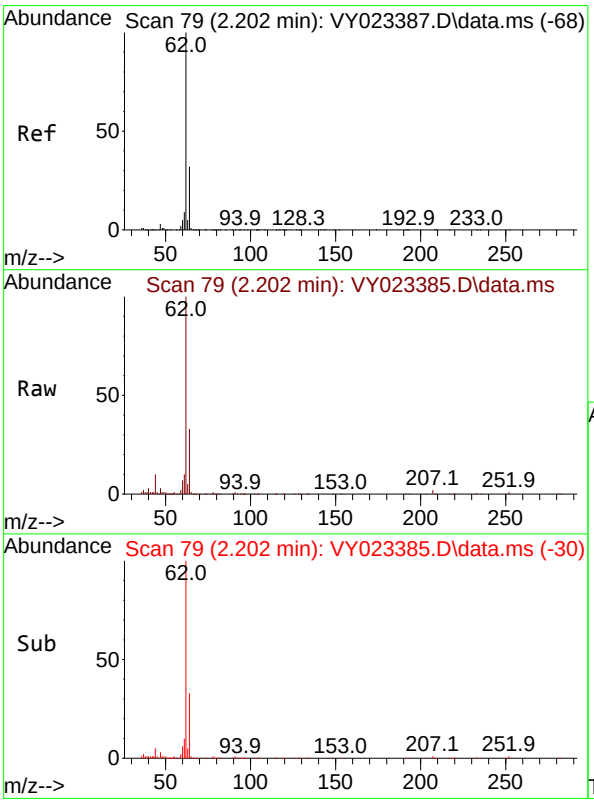
Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

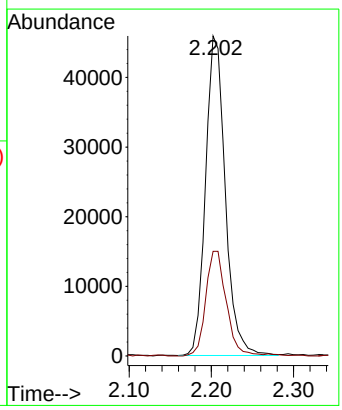
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

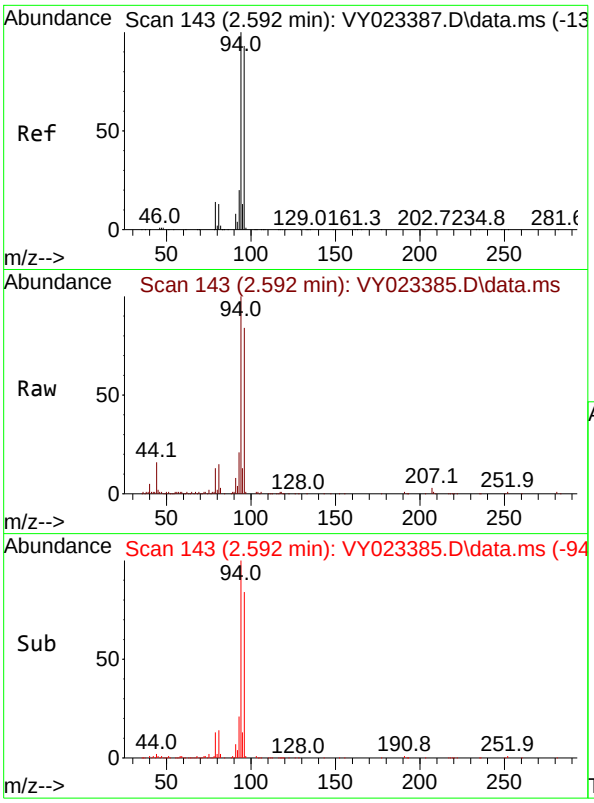


#4
Vinyl Chloride
Concen: 9.676 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

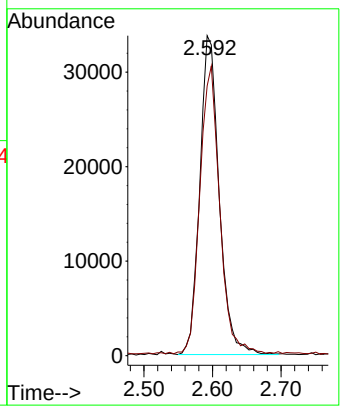
Tgt Ion: 94 Resp: 6668

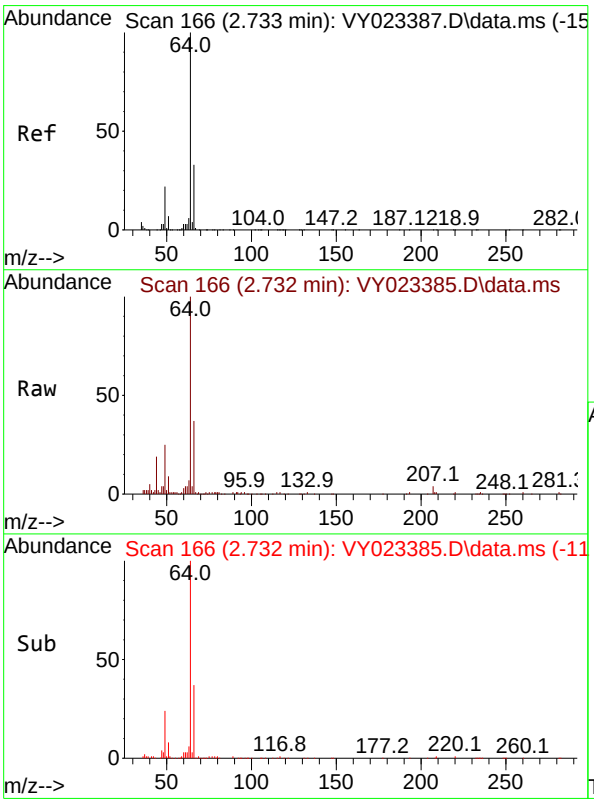
Ion	Ratio	Lower	Upper
94	100		
96	83.4	74.5	111.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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

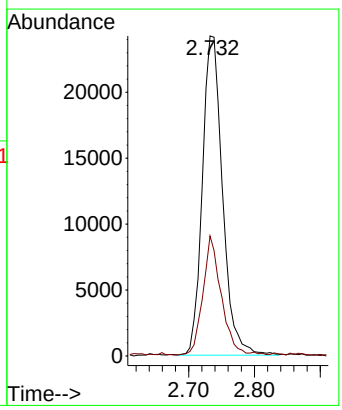


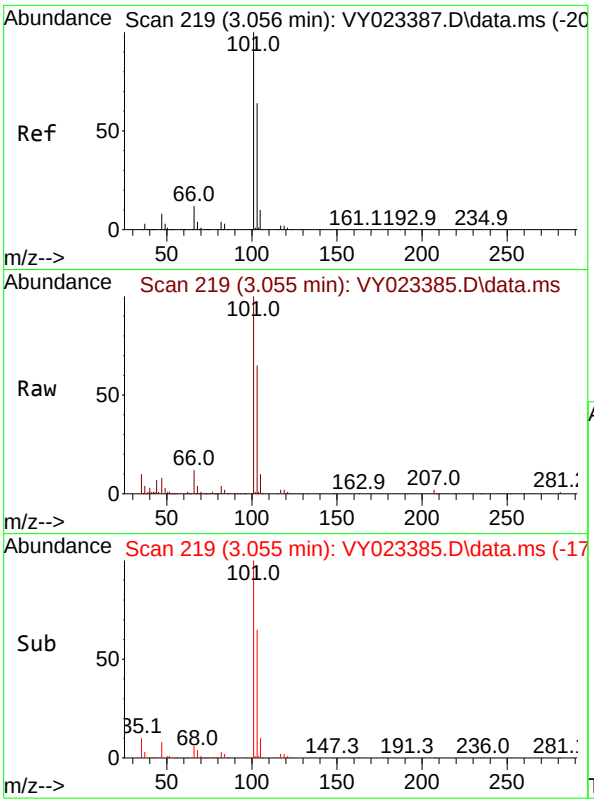


#6
Chloroethane
Concen: 9.632 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 64 Resp: 51757

Ion	Ratio	Lower	Upper
64	100		
66	37.2	26.2	39.4

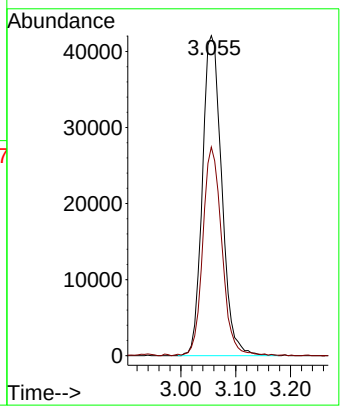




#7
Trichlorofluoromethane
Concen: 10.128 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:101 Resp: 10297

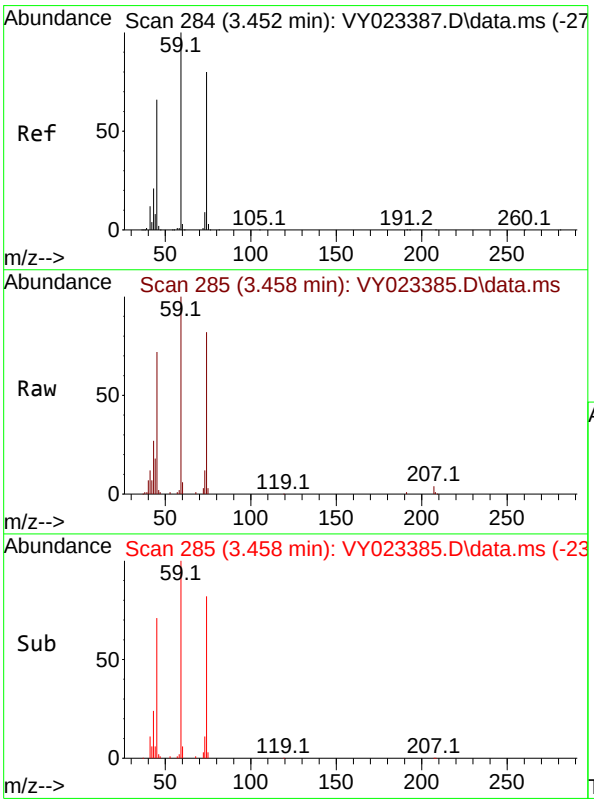
Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

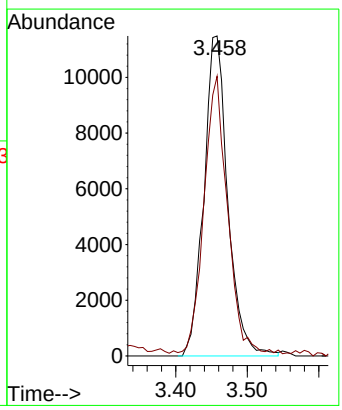
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

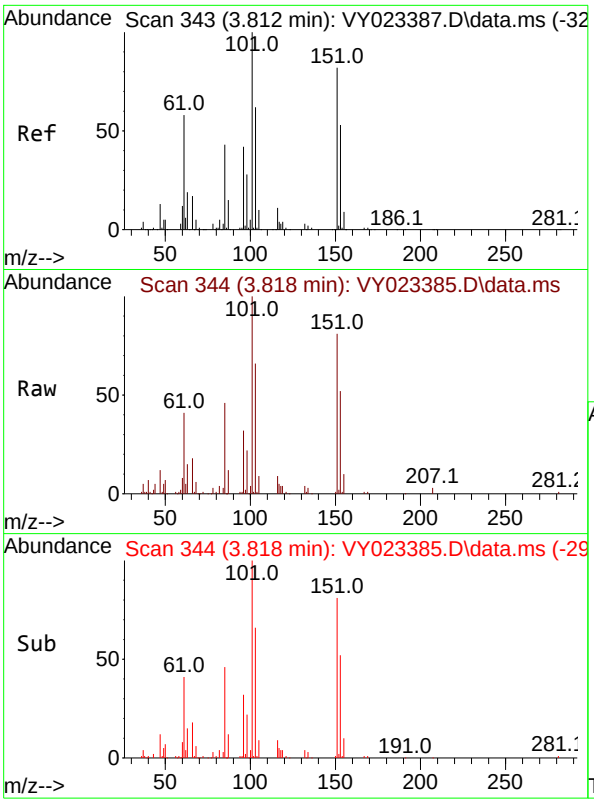


#8
Diethyl Ether
Concen: 10.047 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

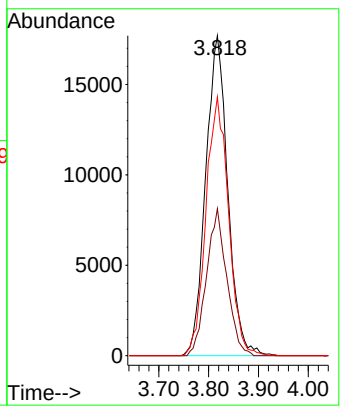
Tgt Ion:101 Resp: 5440

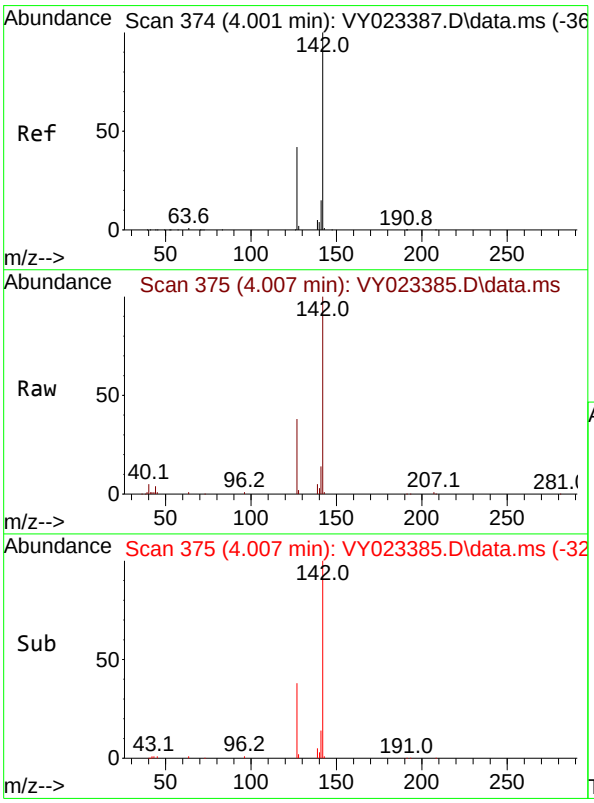
Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.6	51.8
151	82.7	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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

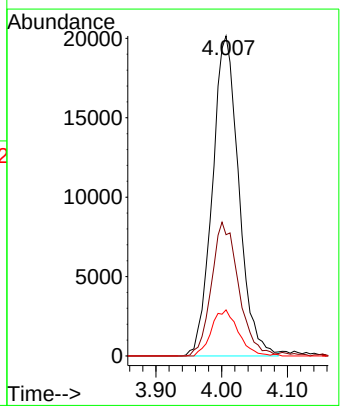


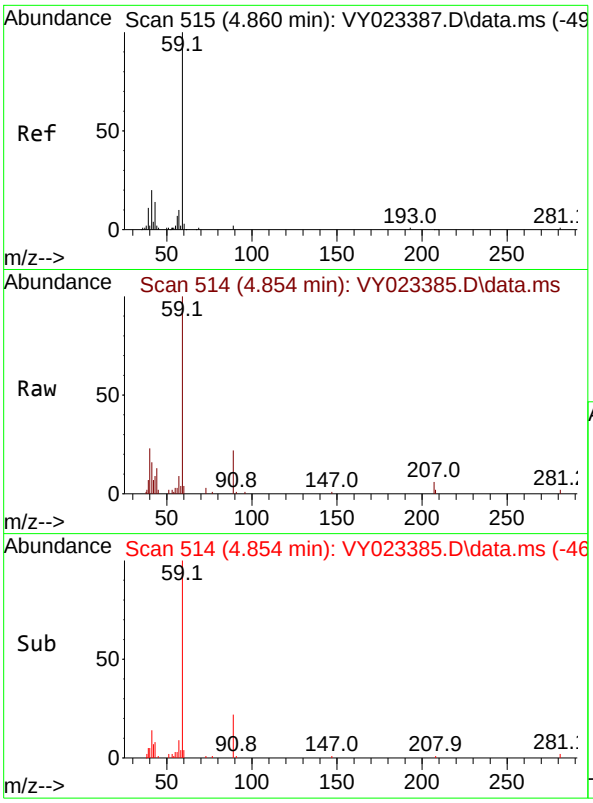


#10
Methyl Iodide
Concen: 8.967 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

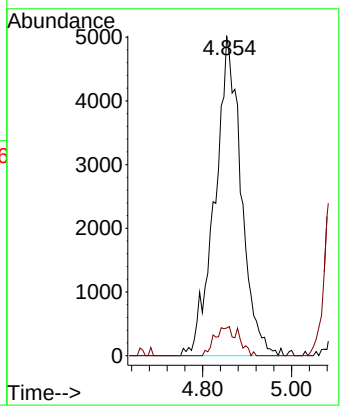




#11
Tert butyl alcohol
Concen: 71.998 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 59 Resp: 2054

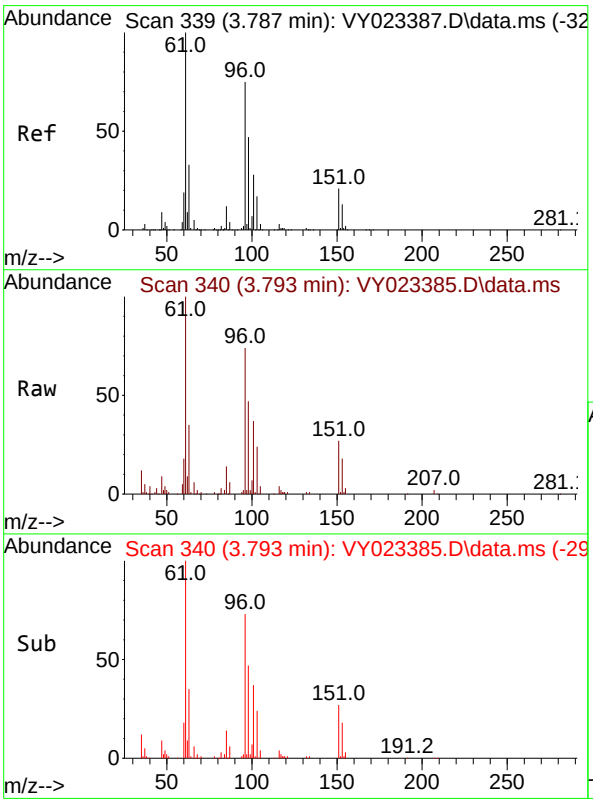
Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

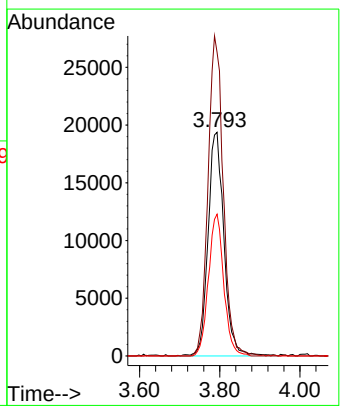
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

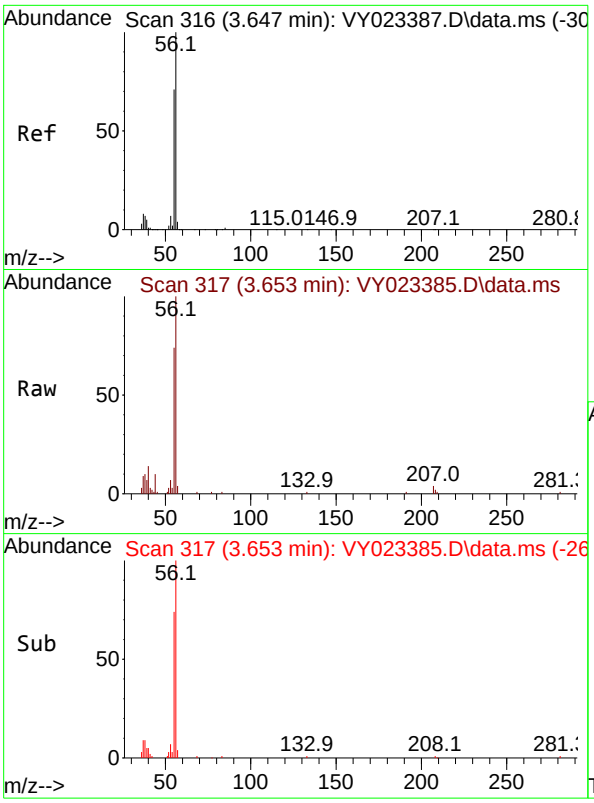


#12
1,1-Dichloroethene
Concen: 10.173 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

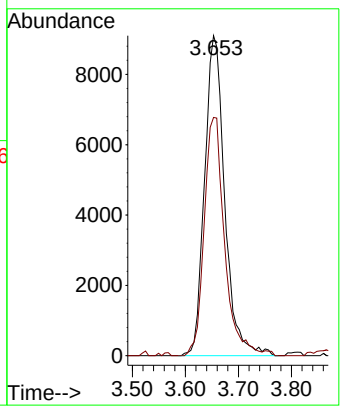




#13
Acrolein
Concen: 49.681 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 56 Resp: 2401

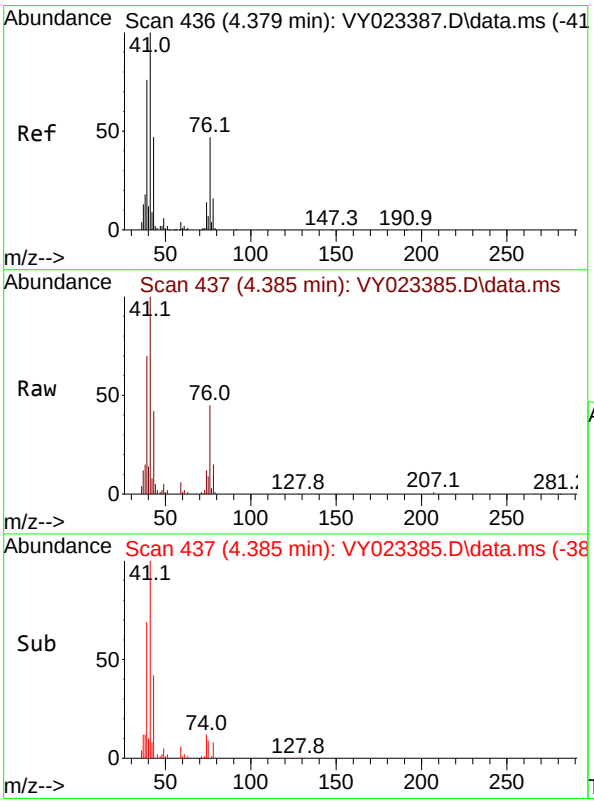
Ion	Ratio	Lower	Upper
56	100		
55	75.2	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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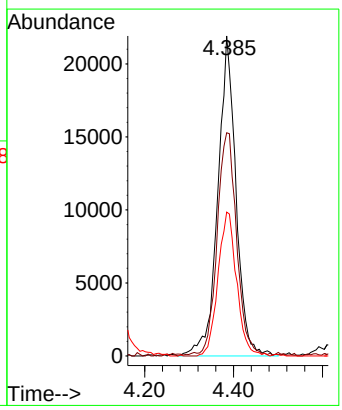
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

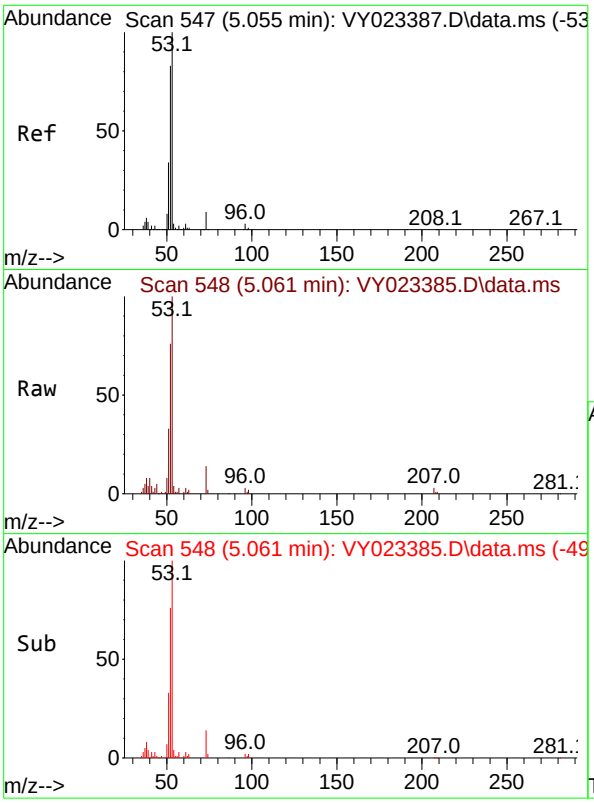


#14
Allyl chloride
Concen: 9.494 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

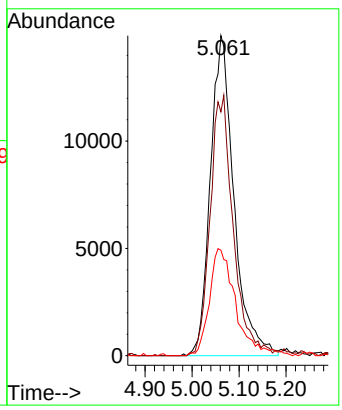




#15
Acrylonitrile
Concen: 49.854 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 53 Resp: 5193

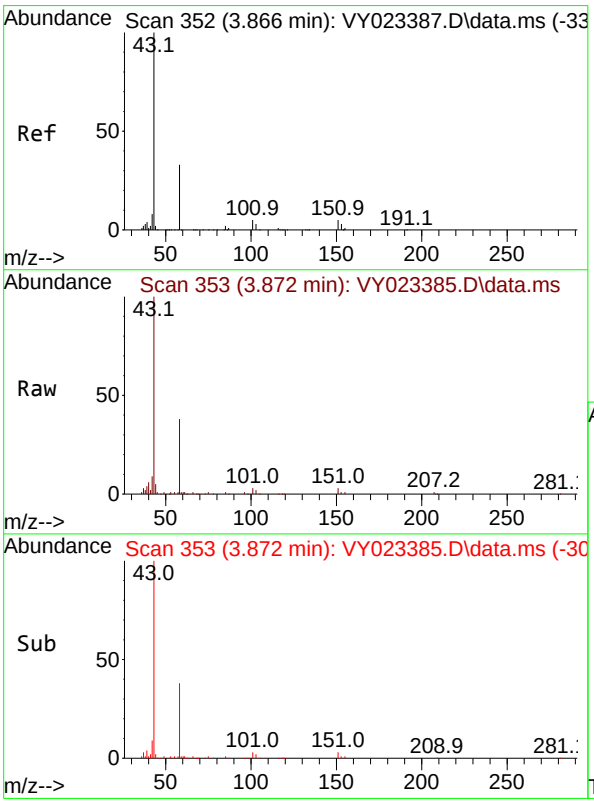
Ion	Ratio	Lower	Upper
53	100		
52	79.5	64.6	97.0
51	37.4	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

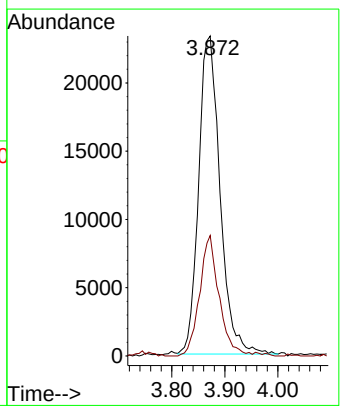
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

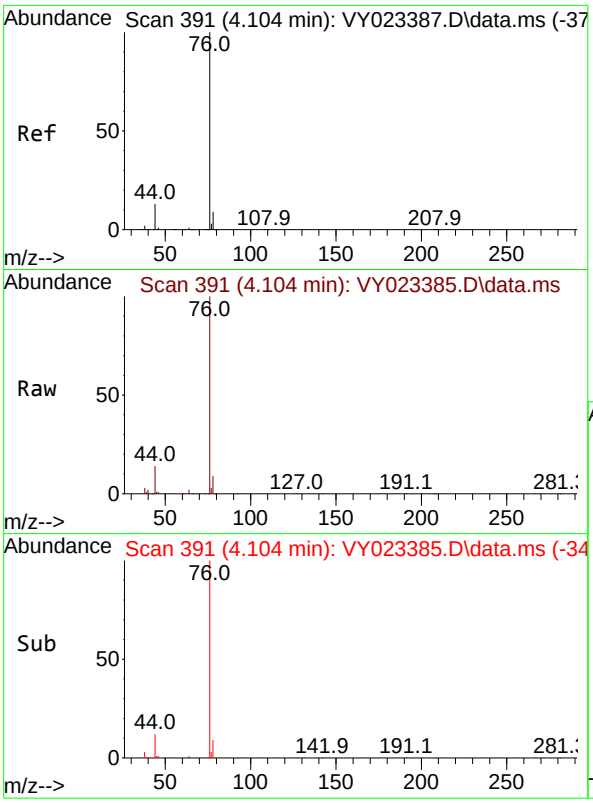


#16
Acetone
Concen: 59.997 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 65410

Ion	Ratio	Lower	Upper
43	100		
58	37.9	27.7	41.5

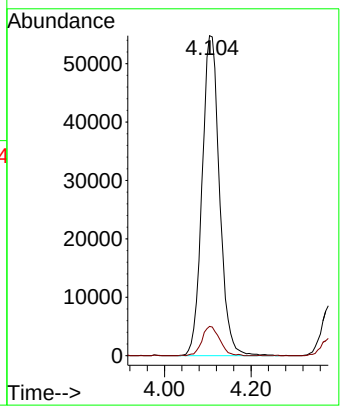




#17
Carbon Disulfide
Concen: 9.382 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 76 Resp: 15305

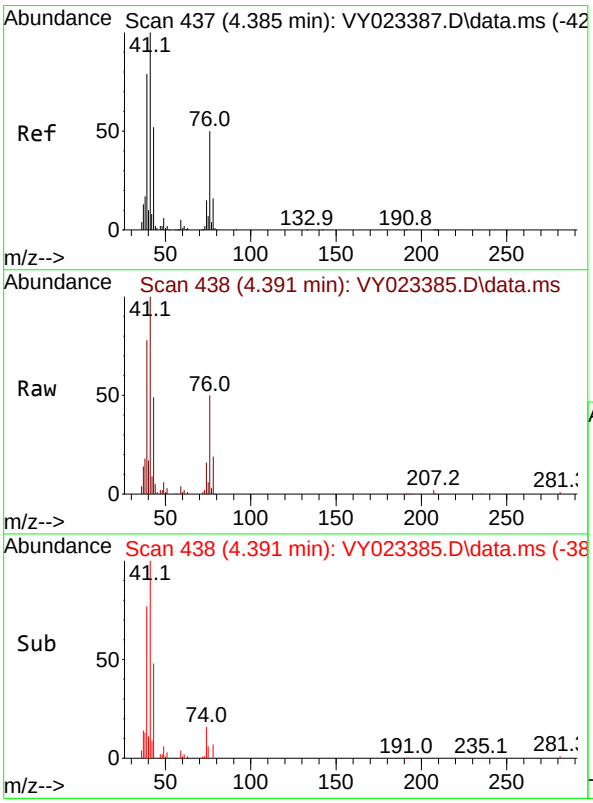
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

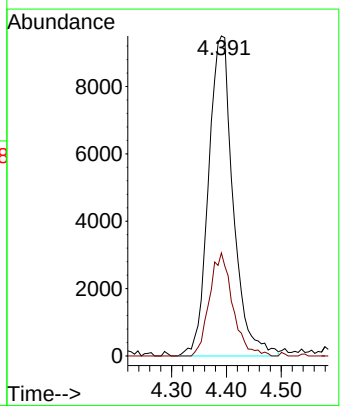
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

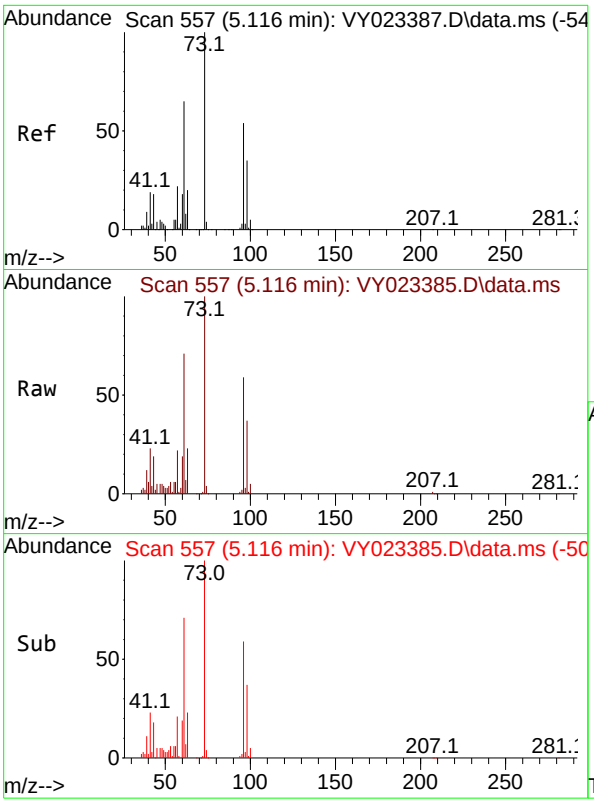


#18
Methyl Acetate
Concen: 10.728 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 29725

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4

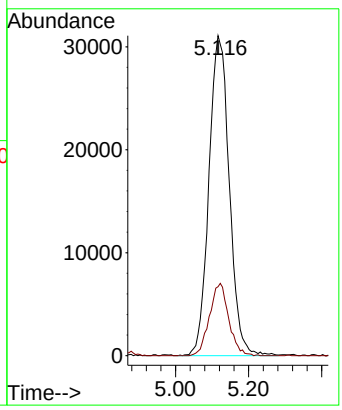




#19
Methyl tert-butyl Ether
Concen: 9.830 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 73 Resp: 12034

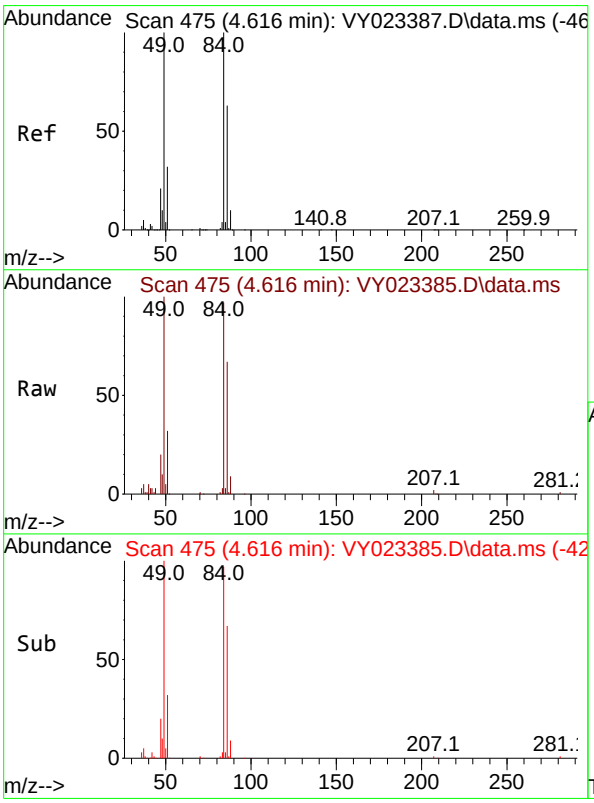
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

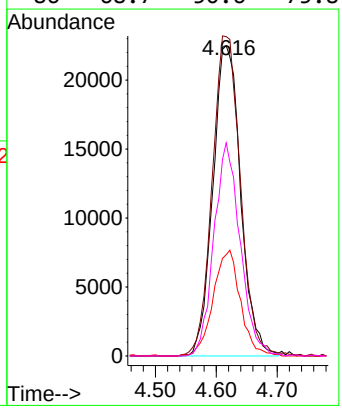
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

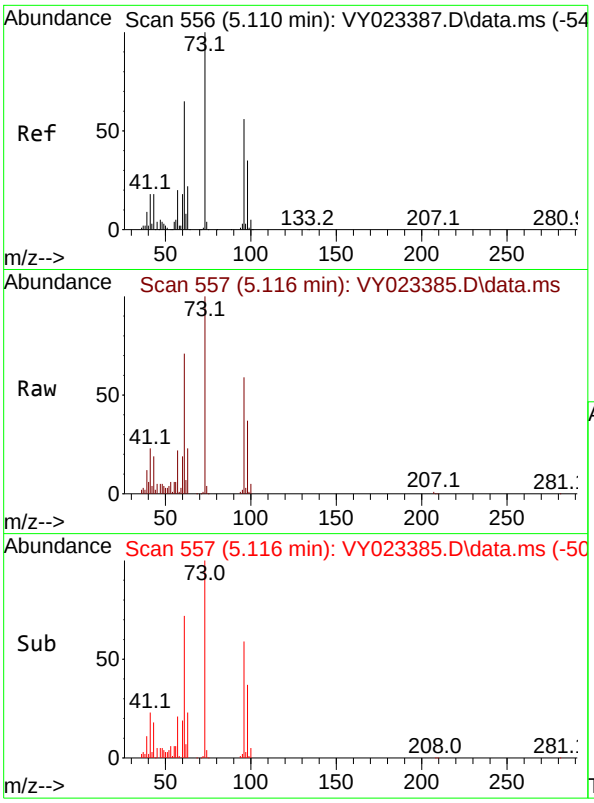


#20
Methylene Chloride
Concen: 12.016 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

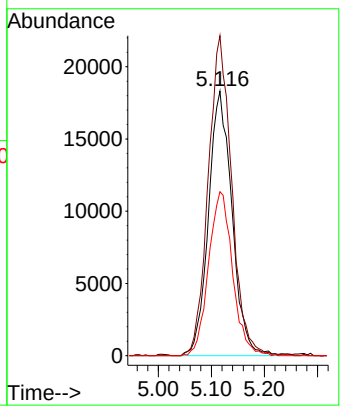




#21
trans-1,2-Dichloroethene
Concen: 9.710 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 96 Resp: 5646

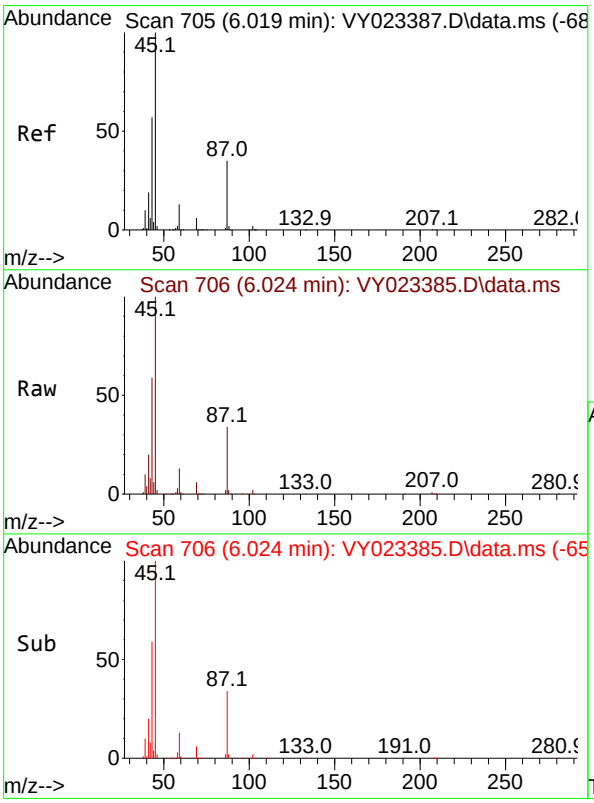
Ion	Ratio	Lower	Upper
96	100		
61	121.0	92.7	139.1
98	62.0	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

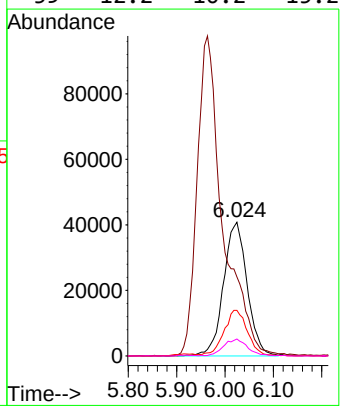
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

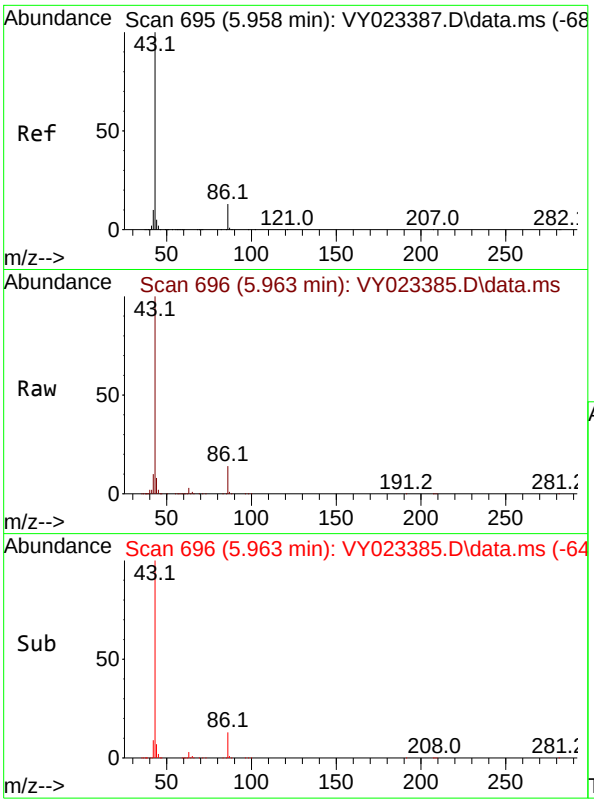


#22
Diisopropyl ether
Concen: 9.547 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

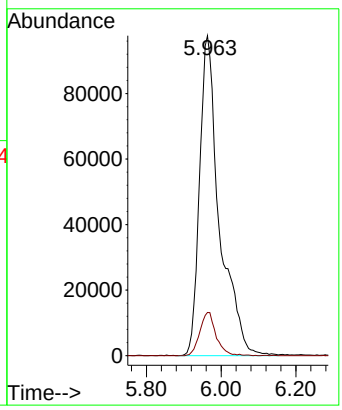




#23
Vinyl Acetate
Concen: 45.300 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 36147

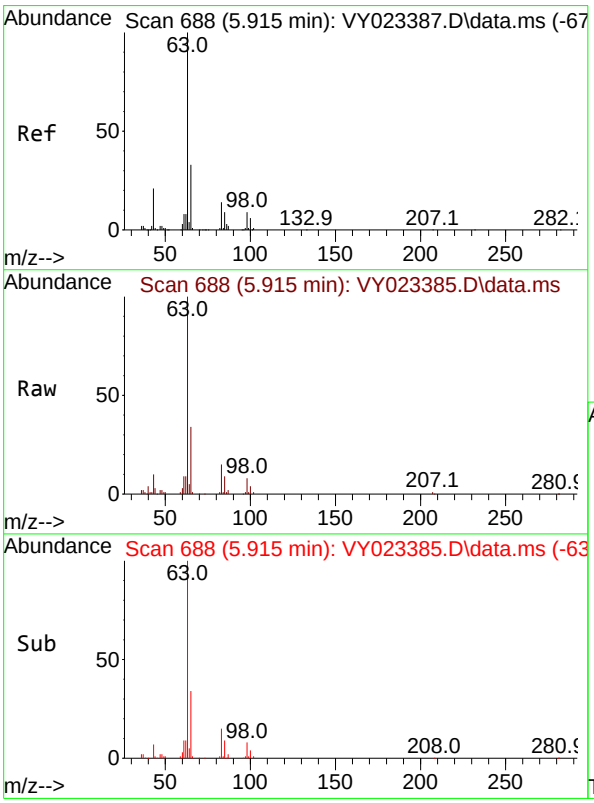
Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

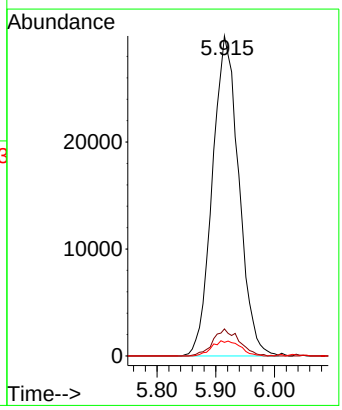
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

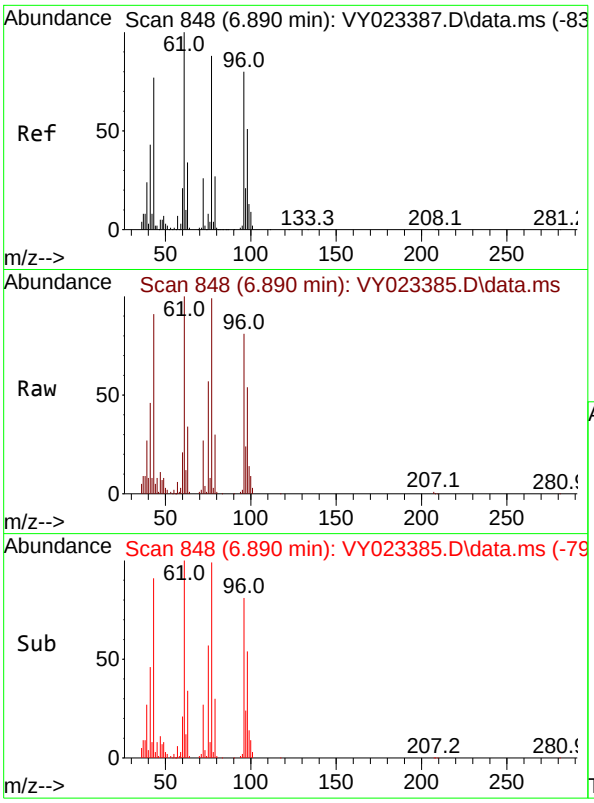


#24
1,1-Dichloroethane
Concen: 9.772 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

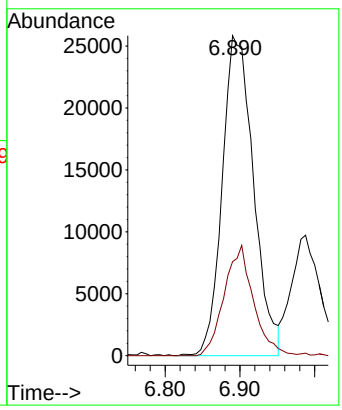
Tgt Ion: 43 Resp: 7517

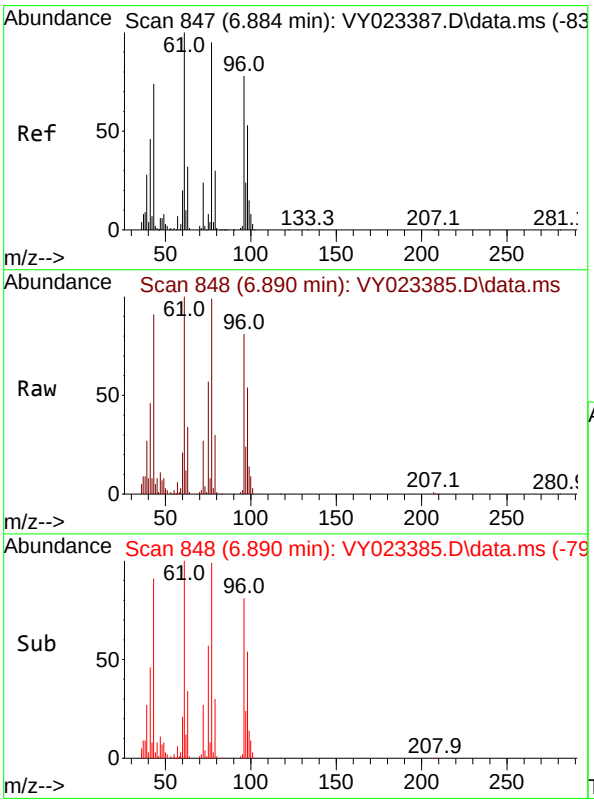
Ion	Ratio	Lower	Upper
43	100		
72	29.4	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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

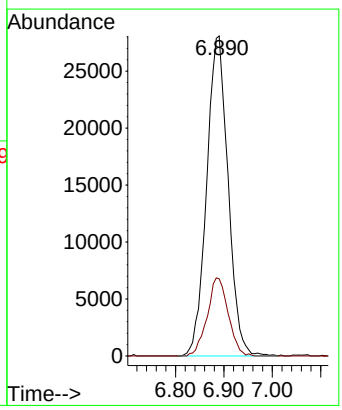


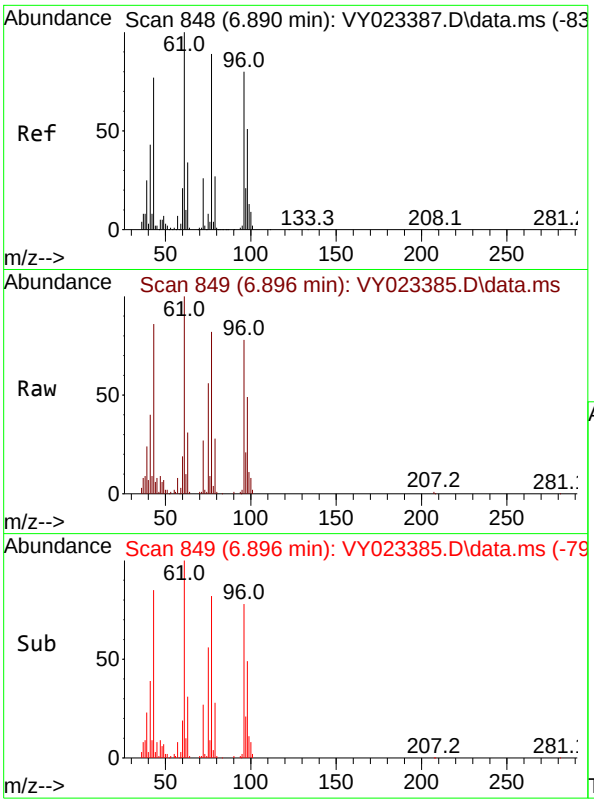


#26
2,2-Dichloropropane
Concen: 10.153 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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# 8
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

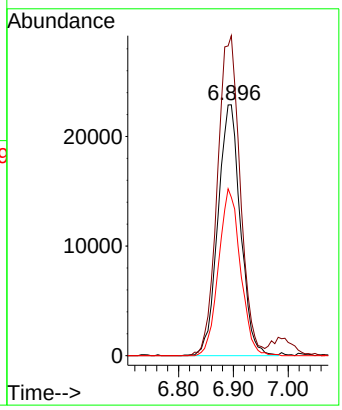
Tgt Ion: 96 Resp: 6533

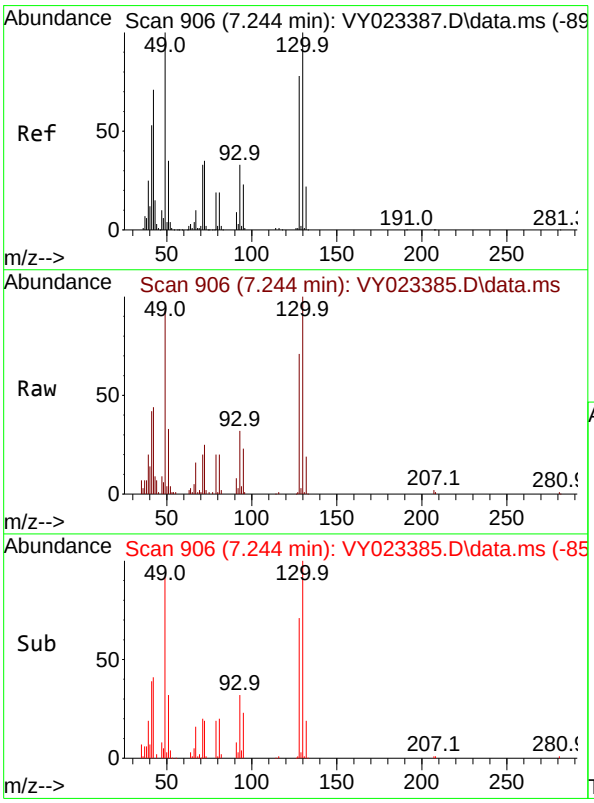
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	258.2
98	64.5	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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

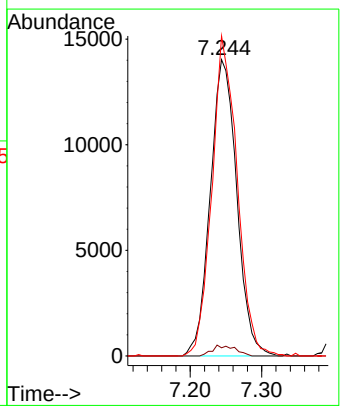


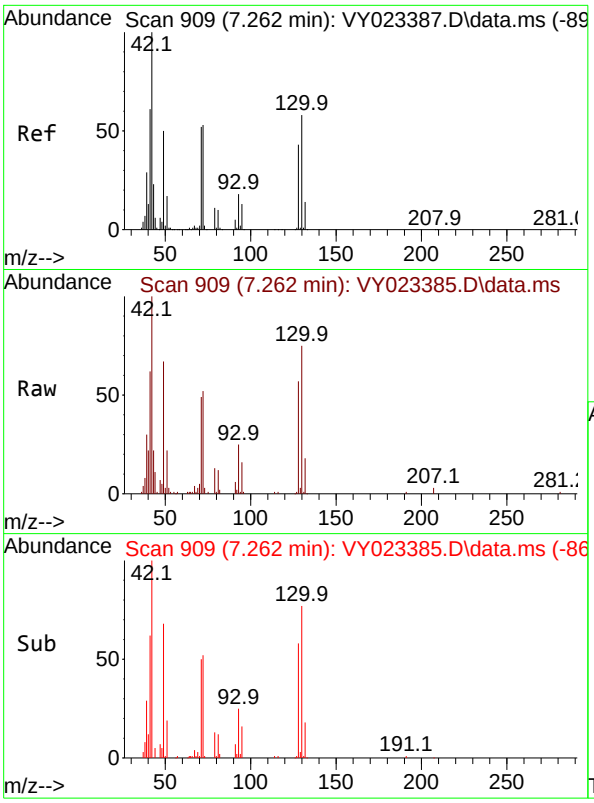


#28
Bromochloromethane
Concen: 9.733 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

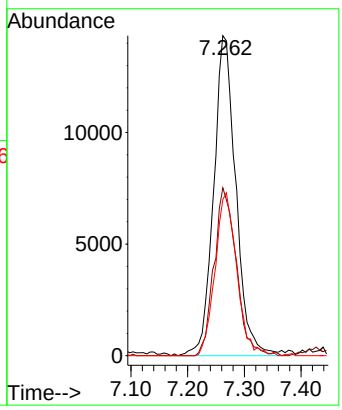




#29
Tetrahydrofuran
Concen: 48.749 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 42 Resp: 3899(

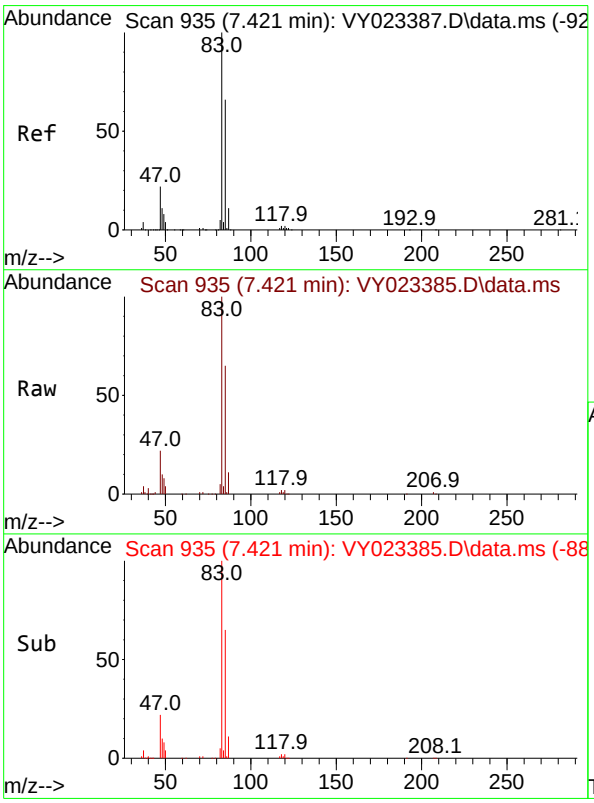
Ion	Ratio	Lower	Upper
42	100		
72	52.6	43.0	64.6
71	49.8	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

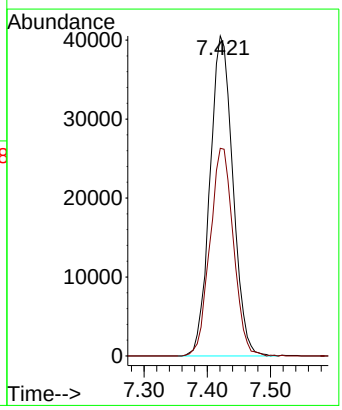
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

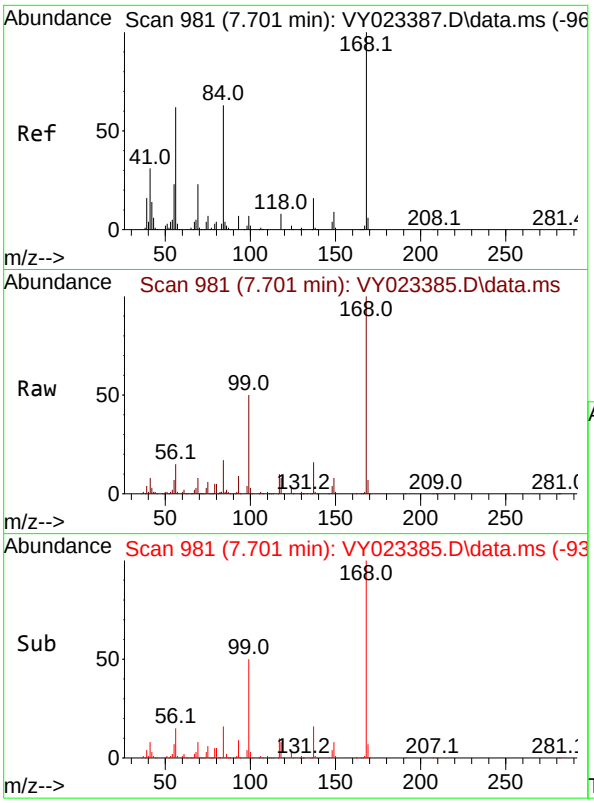


#30
Chloroform
Concen: 9.890 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 83 Resp: 102058

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.5	78.7

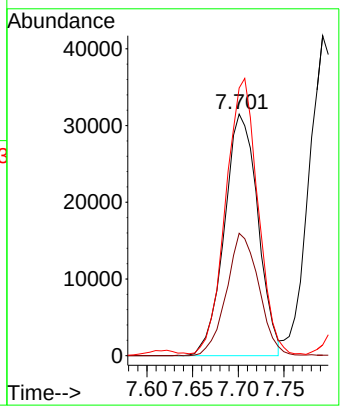




#31
Cyclohexane
Concen: 9.495 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 56 Resp: 8024

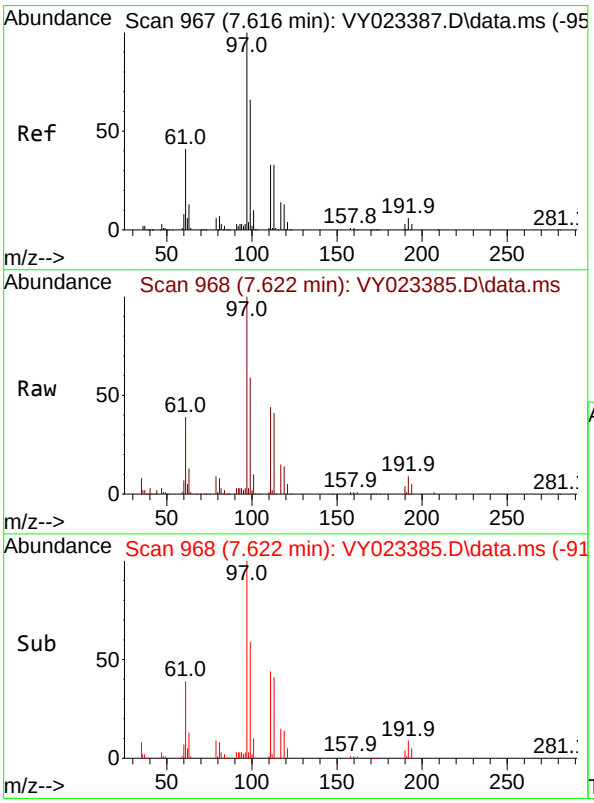
Ion	Ratio	Lower	Upper
56	100		
69	50.5	30.0	45.0
84	109.7	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

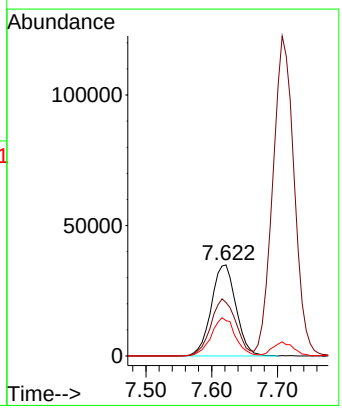
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

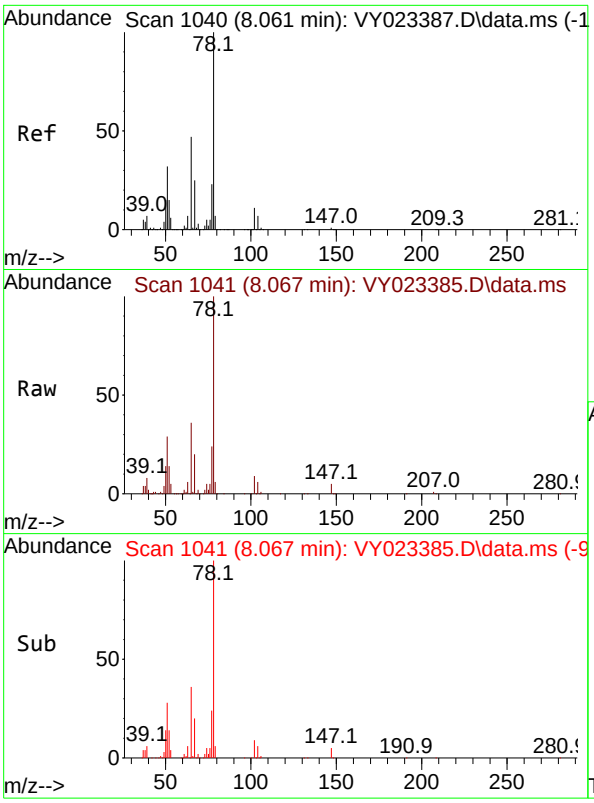


#32
1,1,1-Trichloroethane
Concen: 9.844 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

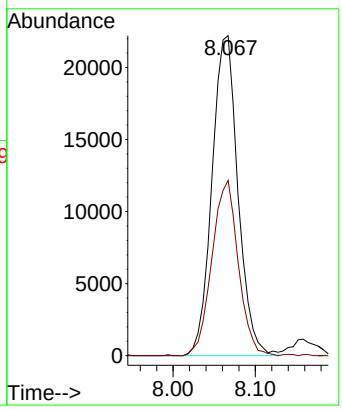




#33
1,2-Dichloroethane-d4
Concen: 10.071 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 65 Resp: 4882

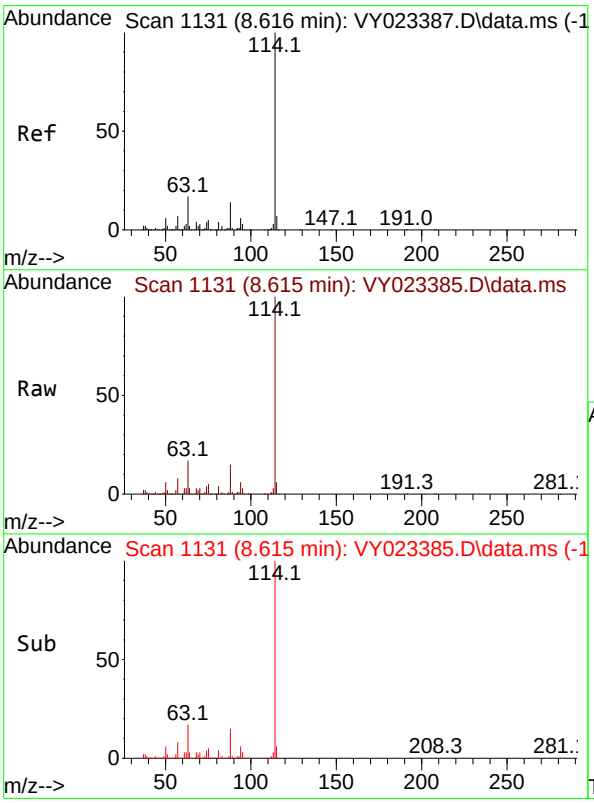
Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

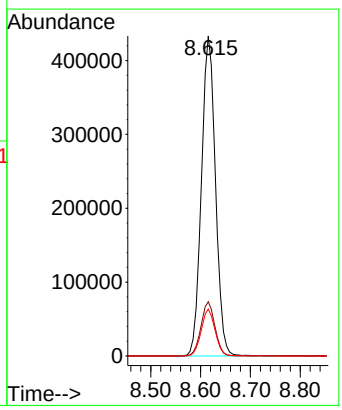
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

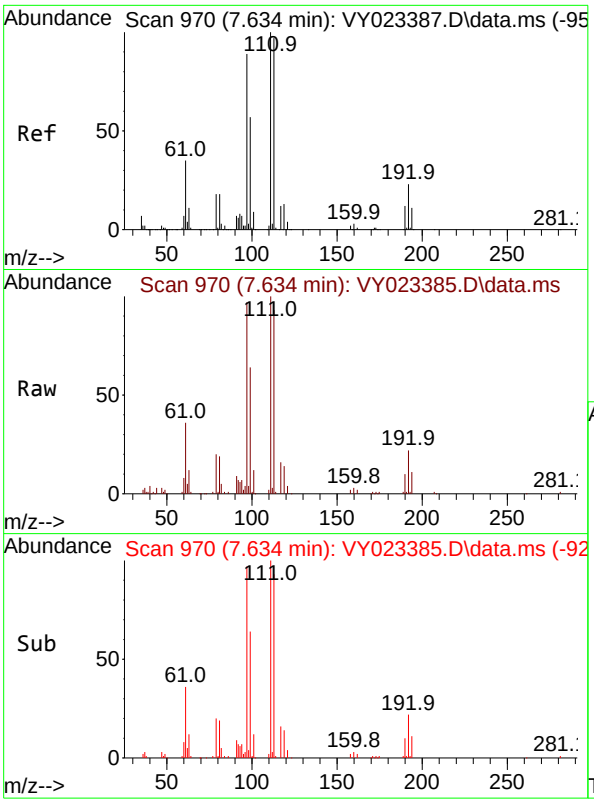


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

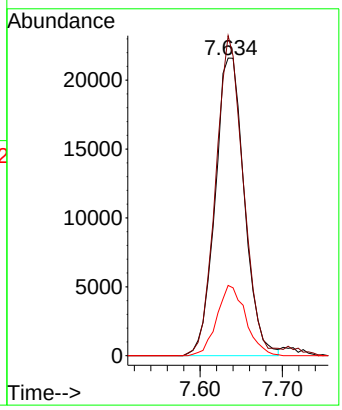




#35
Dibromofluoromethane
Concen: 10.364 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:113 Resp: 5327

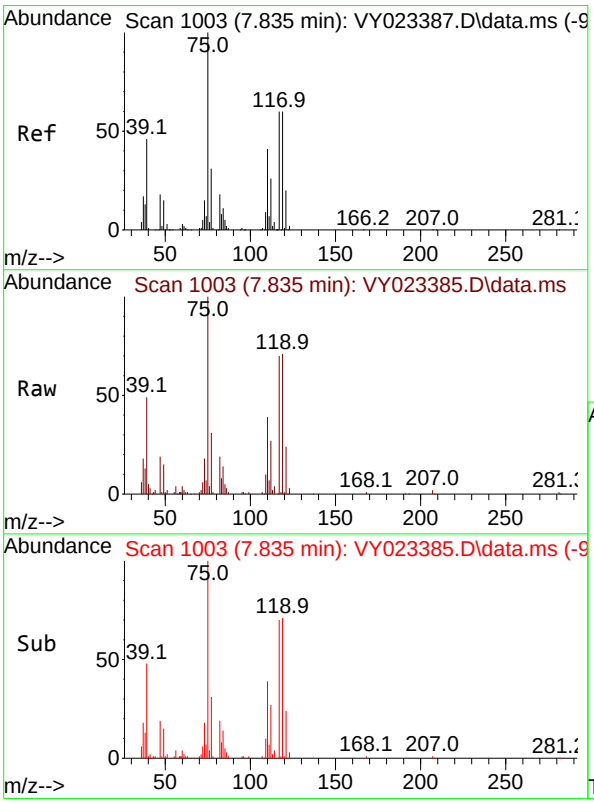
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	23.3	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

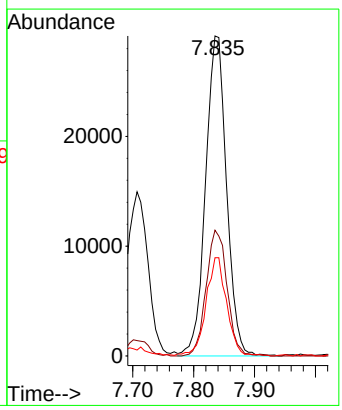
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

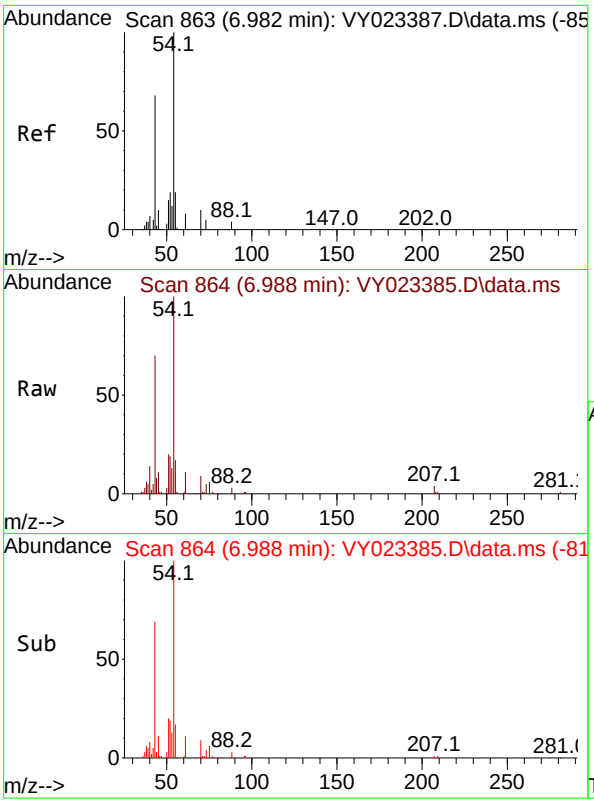


#36
1,1-Dichloropropene
Concen: 9.639 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

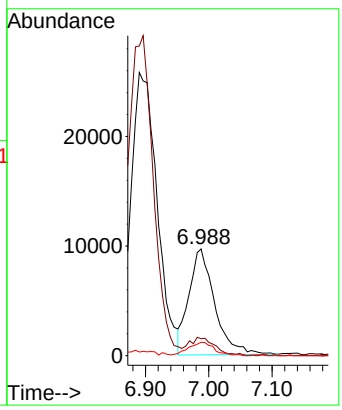




#37
Ethyl Acetate
Concen: 9.551 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 2738

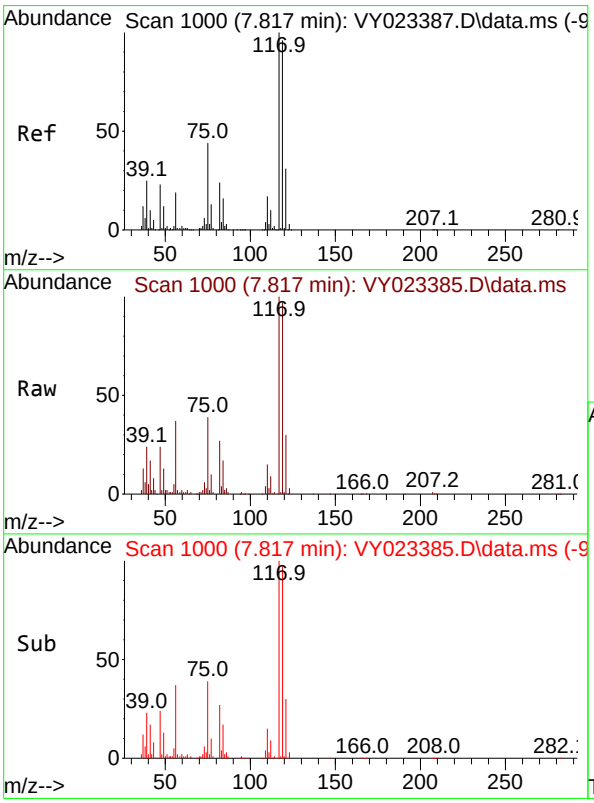
Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.8	17.8
70	12.8	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

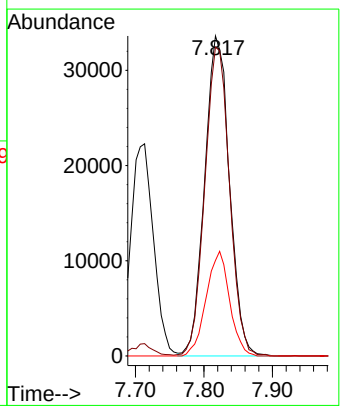
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

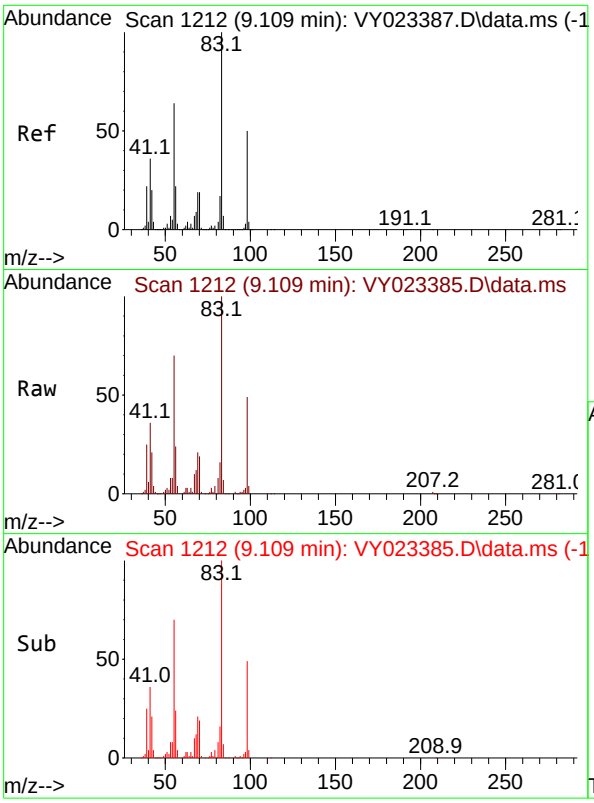


#38
Carbon Tetrachloride
Concen: 10.065 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

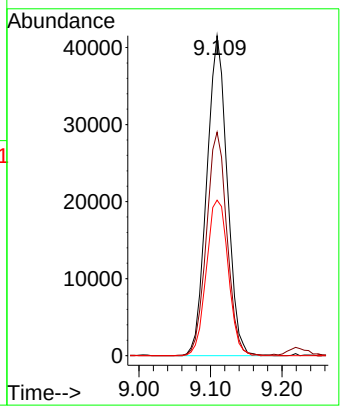




#39
Methylcyclohexane
Concen: 8.860 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 83 Resp: 8227

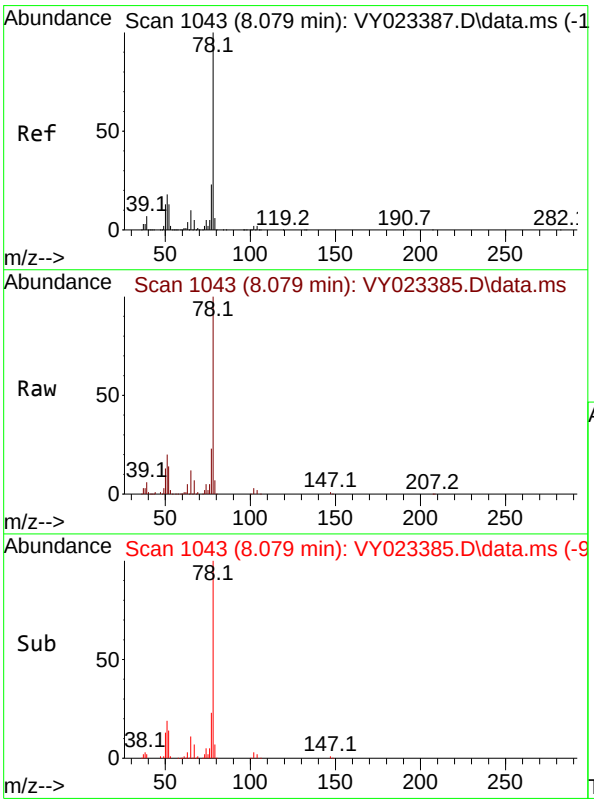
Ion	Ratio	Lower	Upper
83	100		
55	69.7	51.4	77.2
98	48.6	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

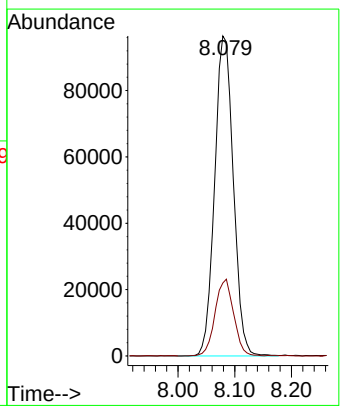
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

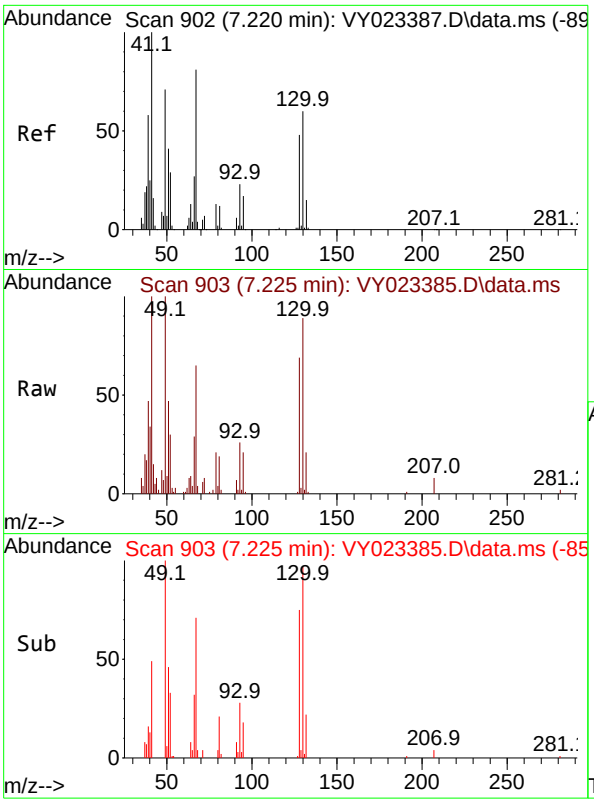


#40
Benzene
Concen: 9.758 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 78 Resp: 220629

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.3	27.5

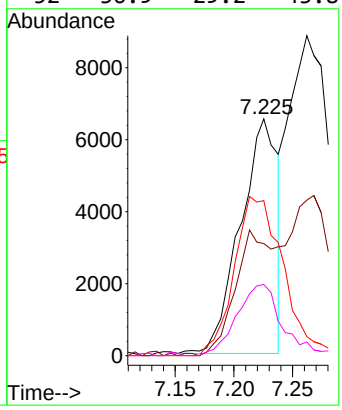




#41
Methacrylonitrile
Concen: 9.632 ug/l
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 41 Resp: 1434

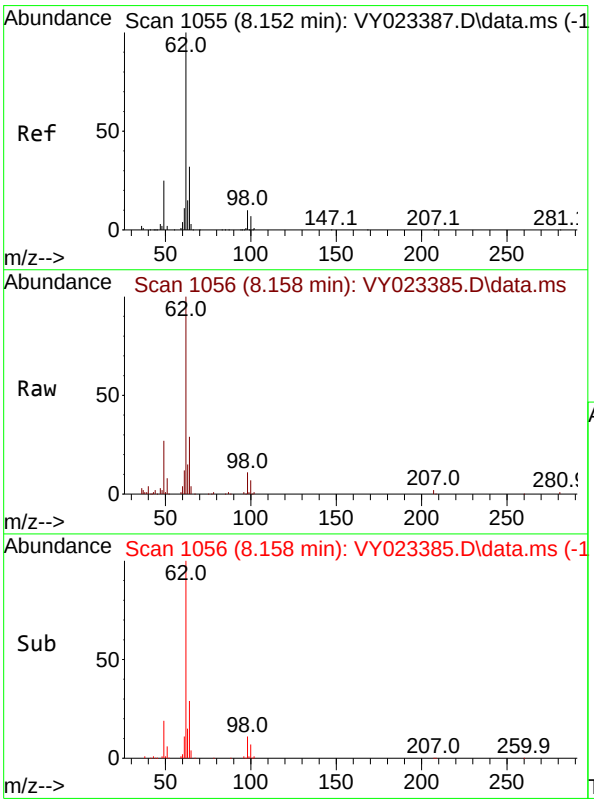
Ion	Ratio	Lower	Upper
41	100		
39	49.9	52.2	78.4
67	90.2	74.9	112.3
52	36.9	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

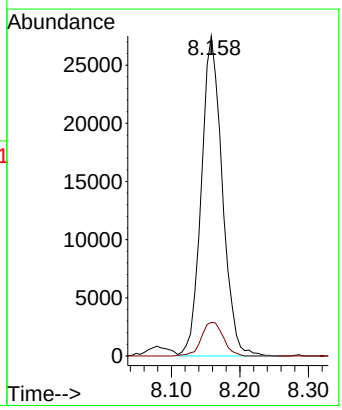
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

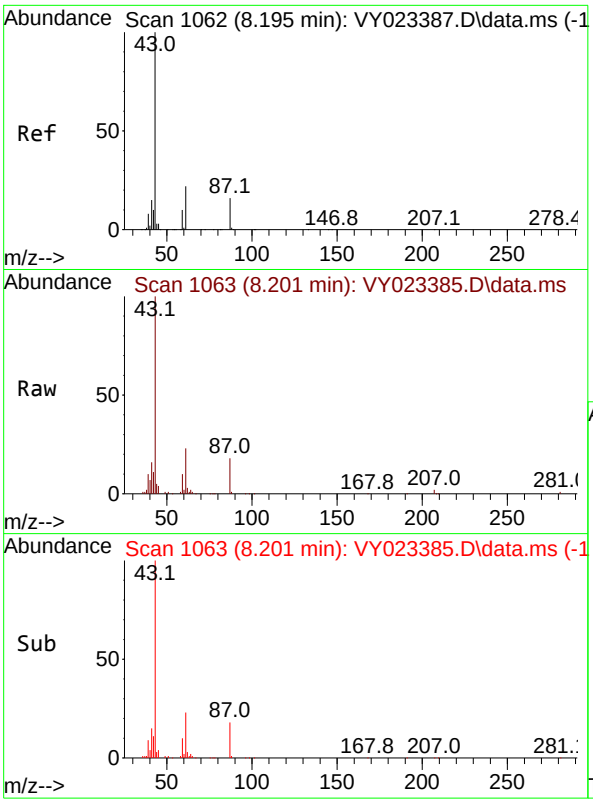


#42
1,2-Dichloroethane
Concen: 10.174 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 62 Resp: 58541

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.6

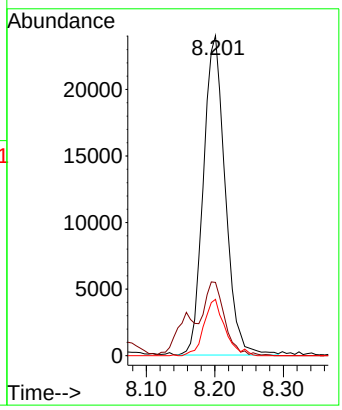




#43
Isopropyl Acetate
Concen: 9.510 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 5304

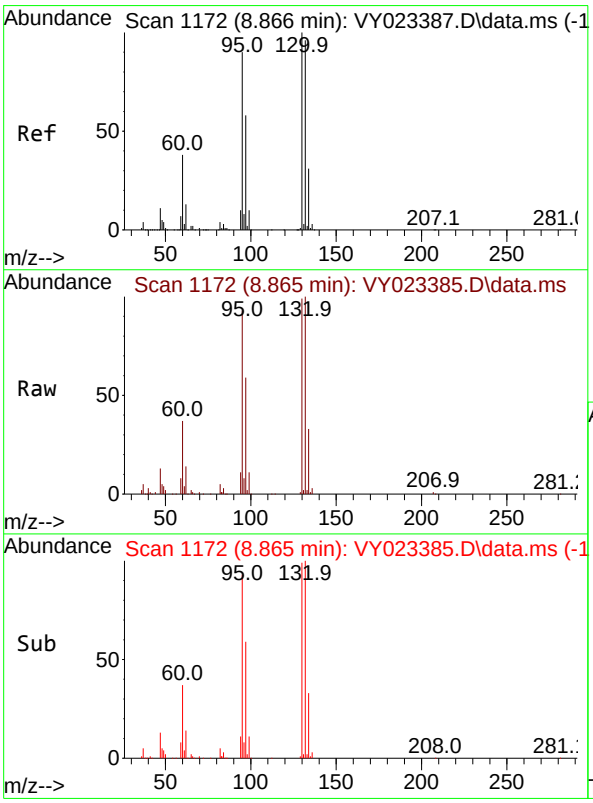
Ion	Ratio	Lower	Upper
43	100		
61	21.4	18.1	27.1
87	17.0	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

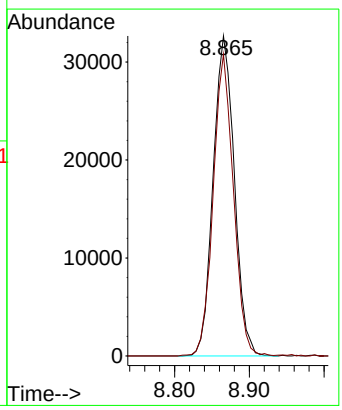
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

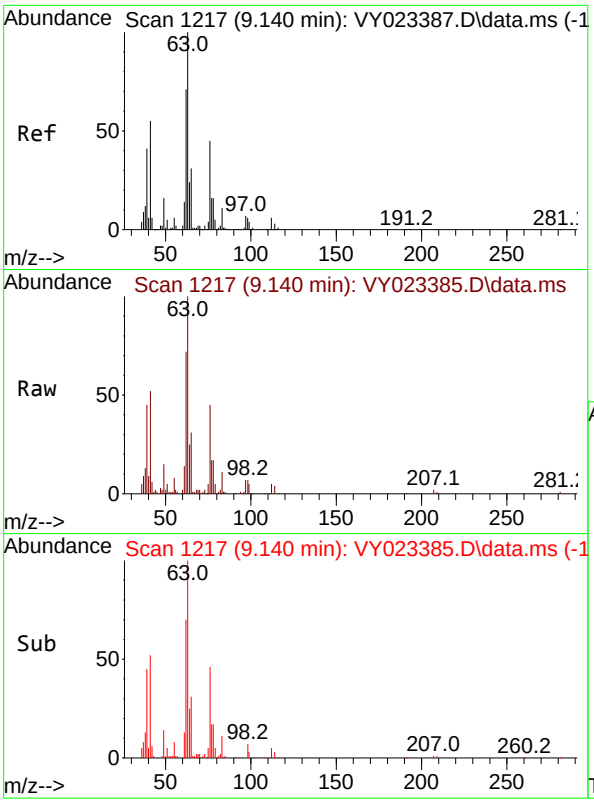


#44
Trichloroethene
Concen: 10.171 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:130 Resp: 64537

Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	180.6

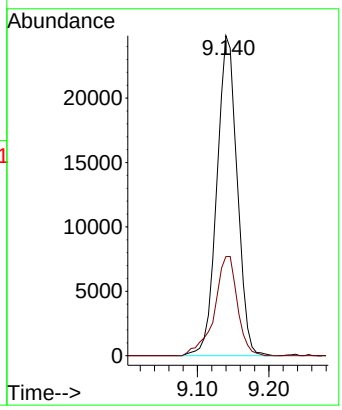




#45
1,2-Dichloropropane
Concen: 9.632 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 4900

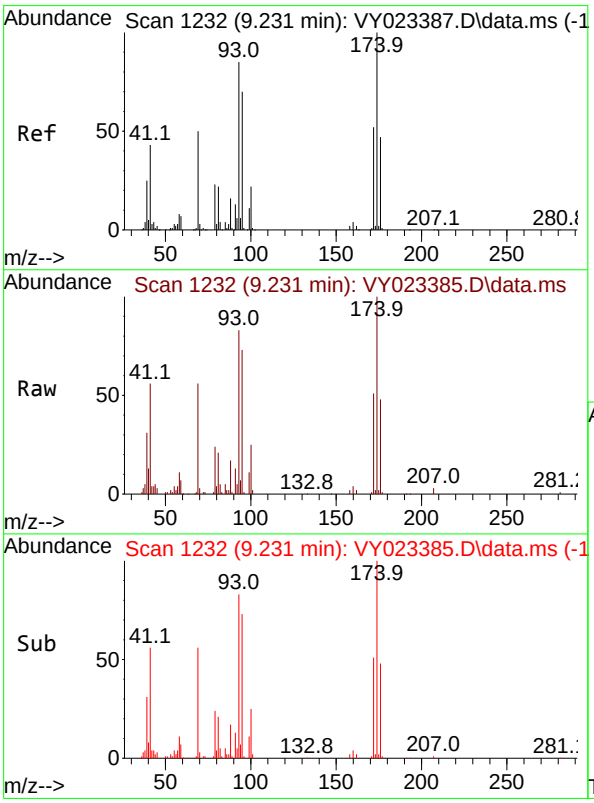
Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

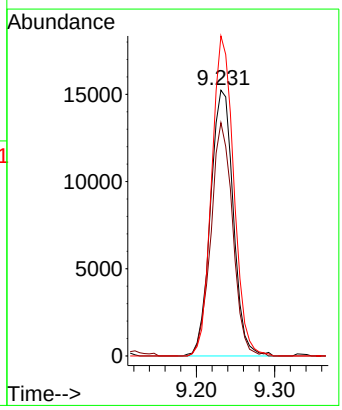
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

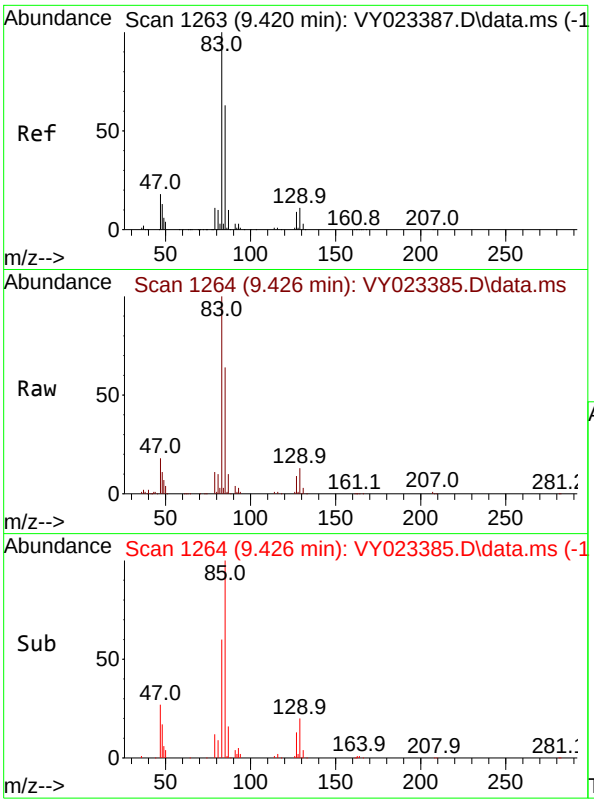


#46
Dibromomethane
Concen: 9.890 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

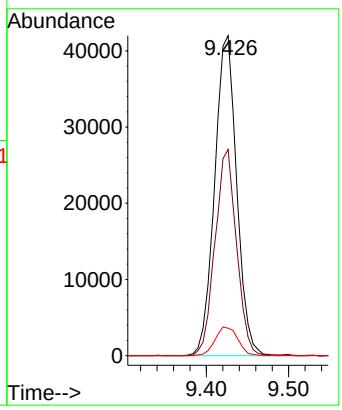




#47
Bromodichloromethane
Concen: 10.007 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 83 Resp: 7839

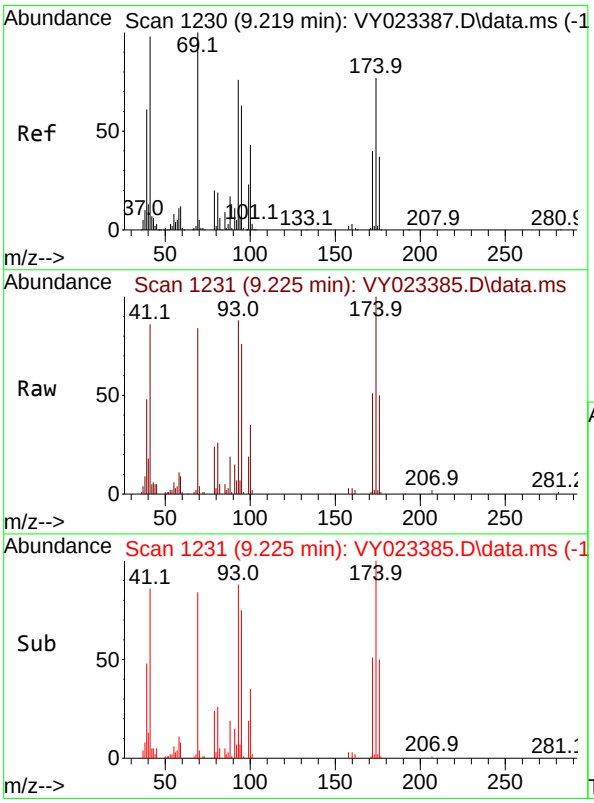
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.8	76.2
127	8.6	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

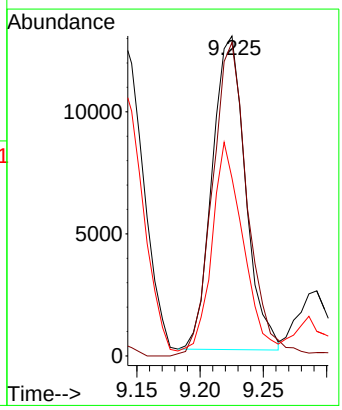
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

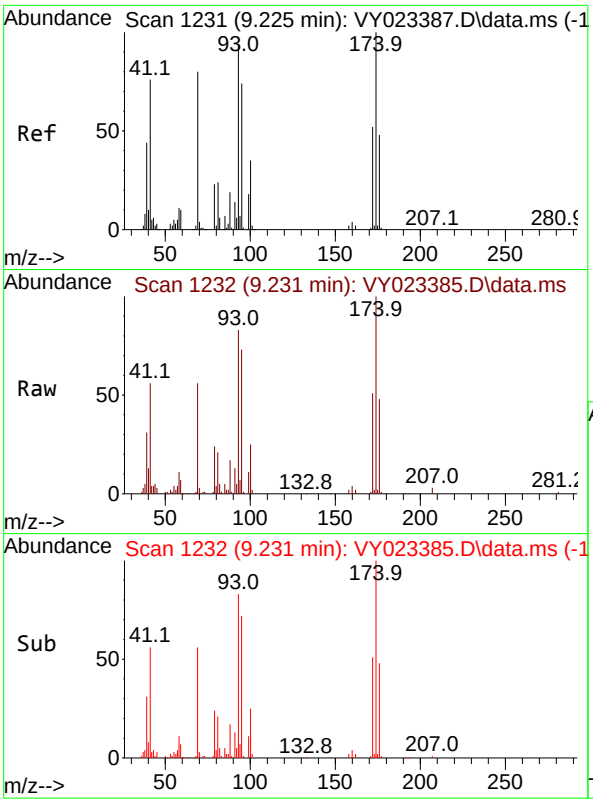


#48
Methyl methacrylate
Concen: 9.023 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

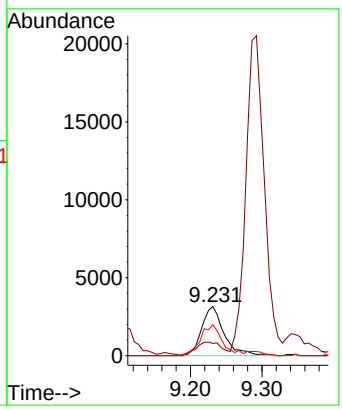




#49
1,4-Dioxane
Concen: 211.693 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 88 Resp: 682

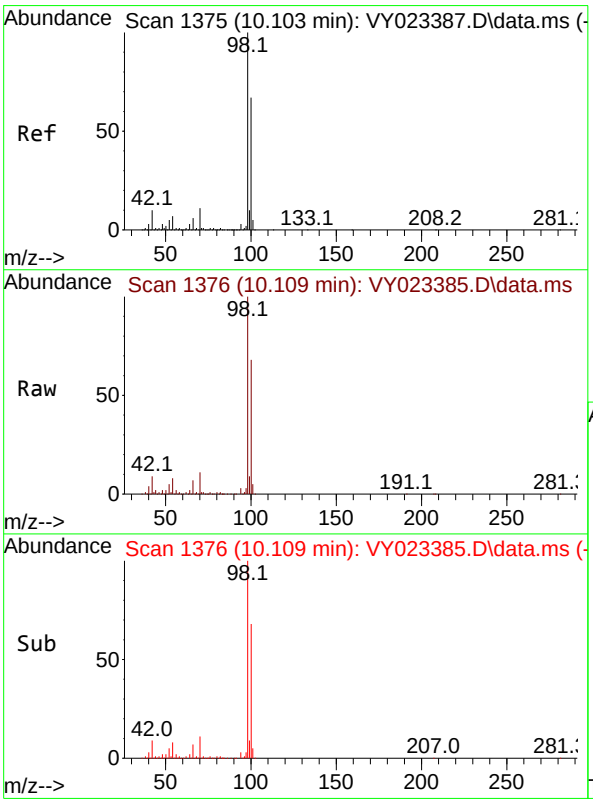
Ion	Ratio	Lower	Upper
88	100		
43	32.1	21.8	32.8
58	62.0	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

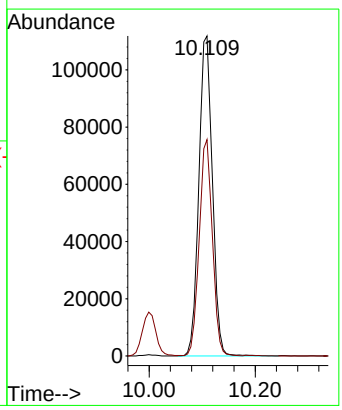
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

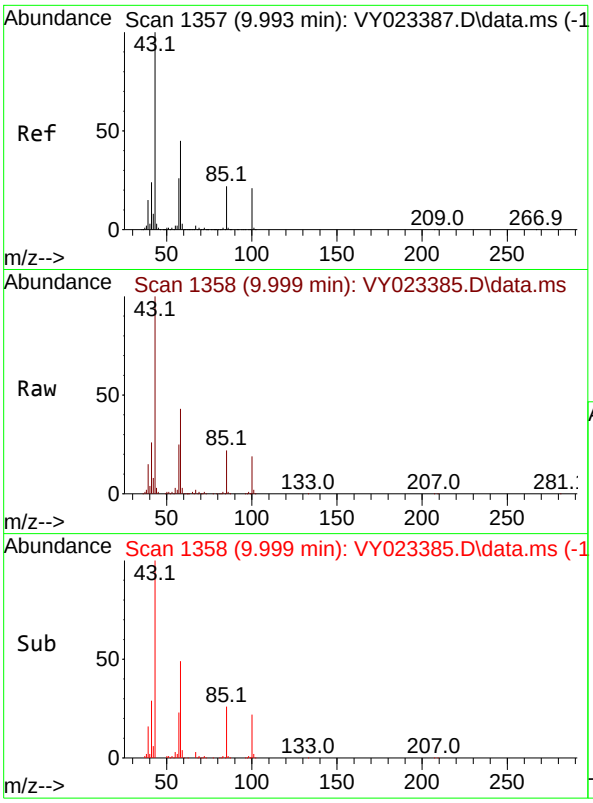


#50
Toluene-d8
Concen: 10.225 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 98 Resp: 198242

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4

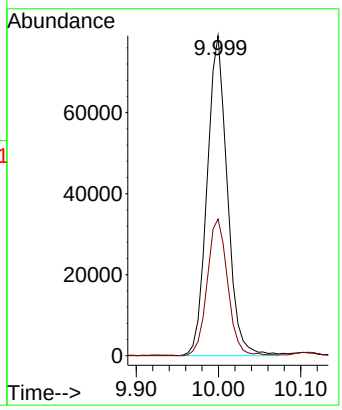




#51
4-Methyl-2-Pentanone
Concen: 47.165 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 13474

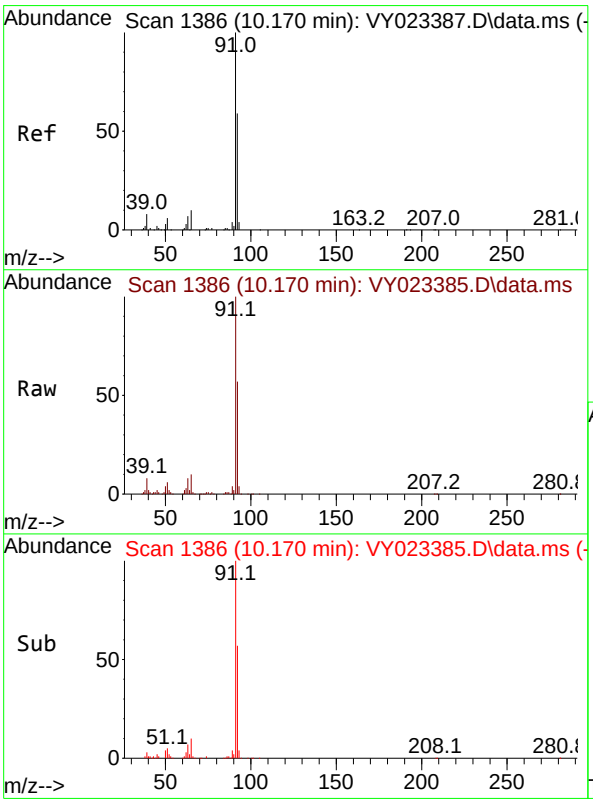
Ion	Ratio	Lower	Upper
43	100		
58	43.5	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

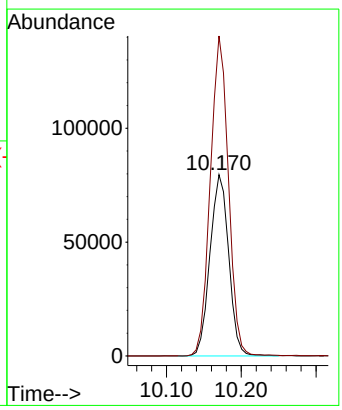
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

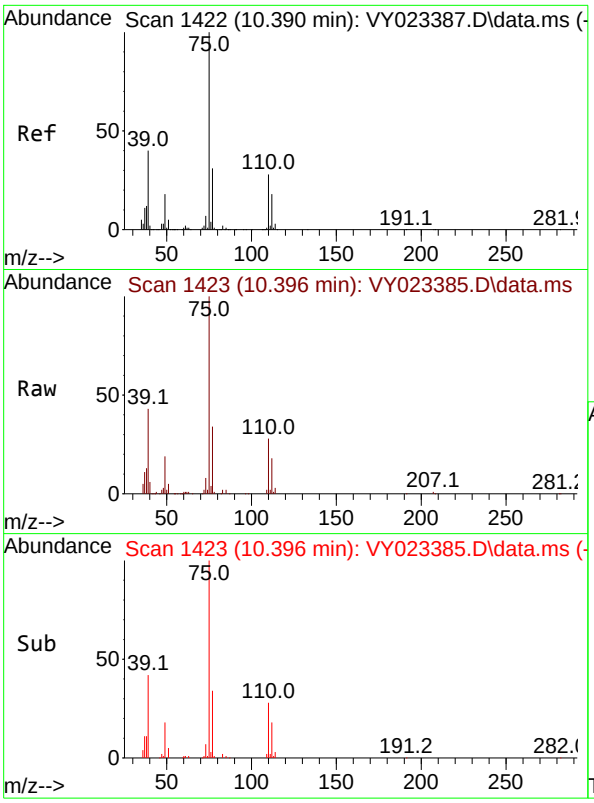


#52
Toluene
Concen: 9.661 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 92 Resp: 138662

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.4	204.6

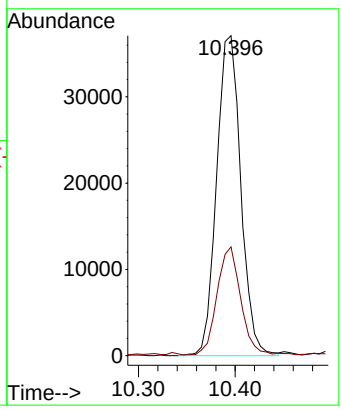




#53
t-1,3-Dichloropropene
Concen: 9.559 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 6431

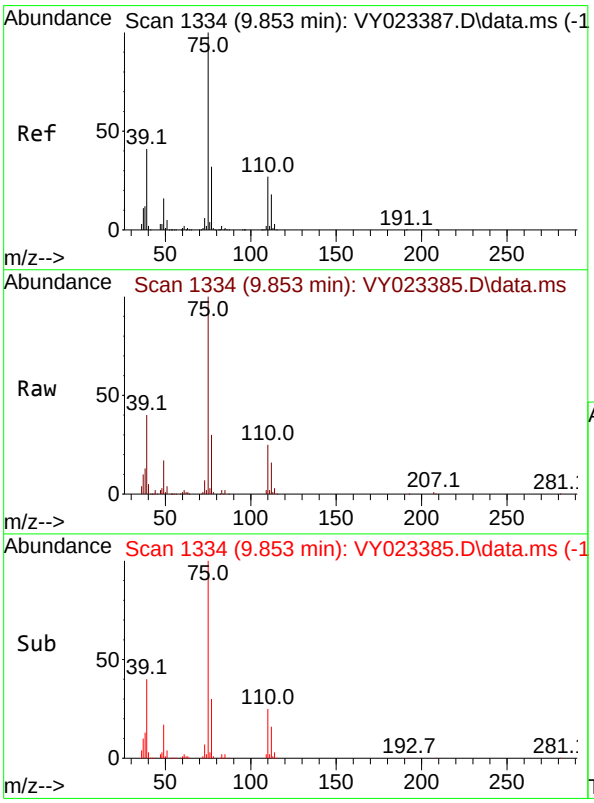
Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

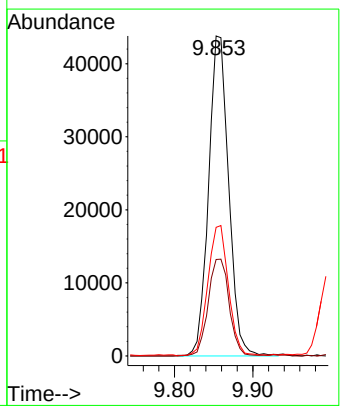
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

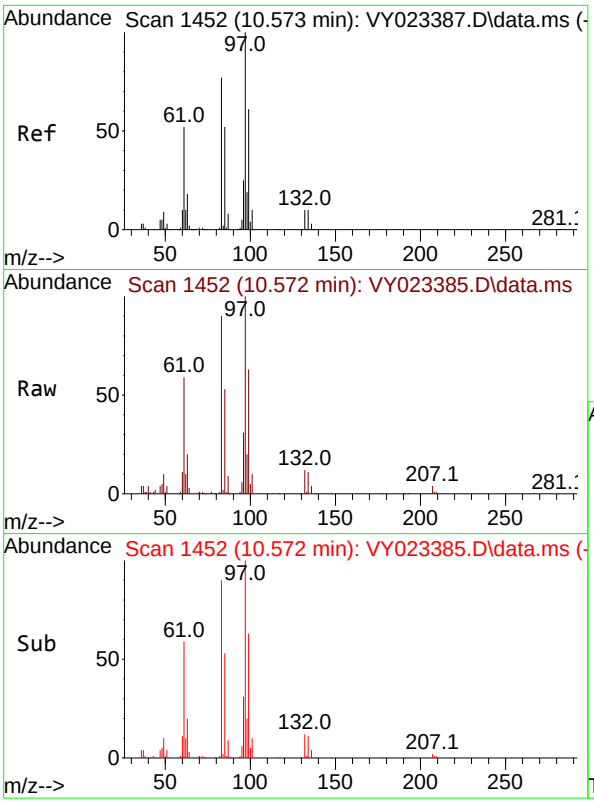


#54
cis-1,3-Dichloropropene
Concen: 9.687 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

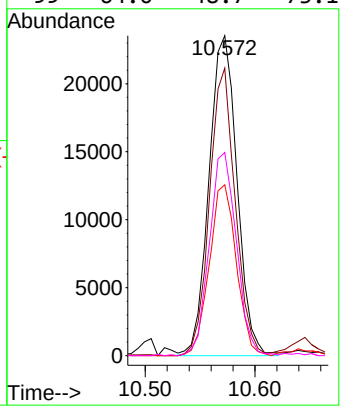




#55
1,1,2-Trichloroethane
Concen: 10.118 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 97 Resp: 4188

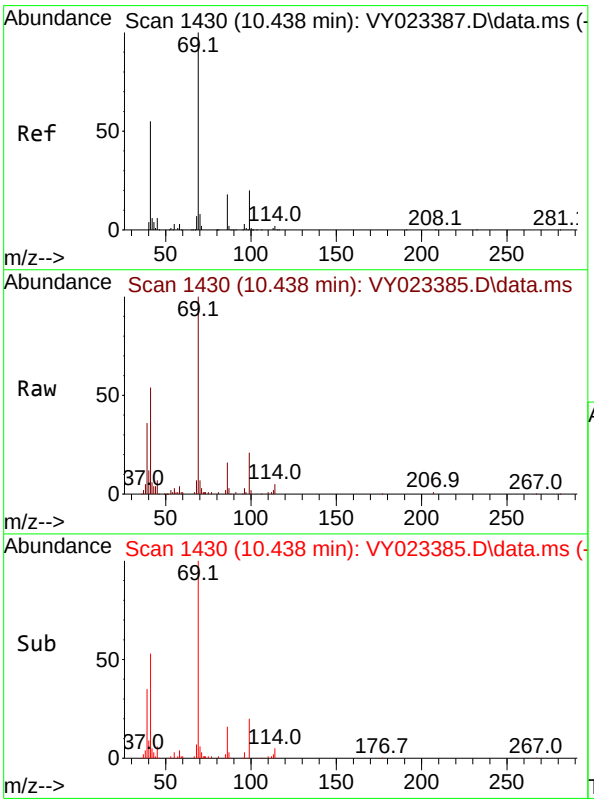
Ion	Ratio	Lower	Upper
97	100		
83	90.6	61.8	92.6
85	53.8	41.3	61.9
99	64.0	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

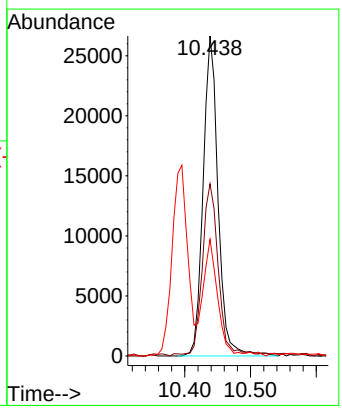
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

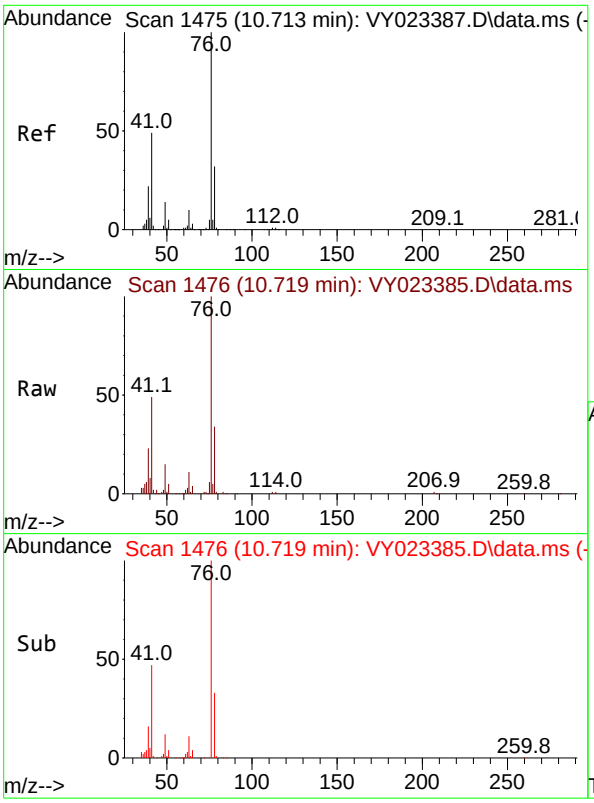


#56
Ethyl methacrylate
Concen: 8.830 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

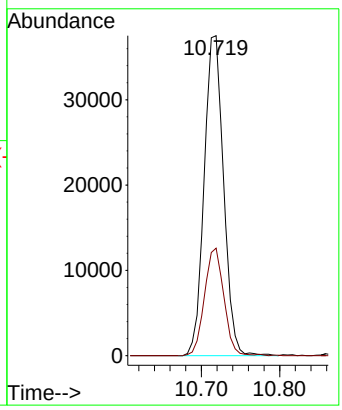




#57
1,3-Dichloropropane
Concen: 9.633 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 76 Resp: 6453

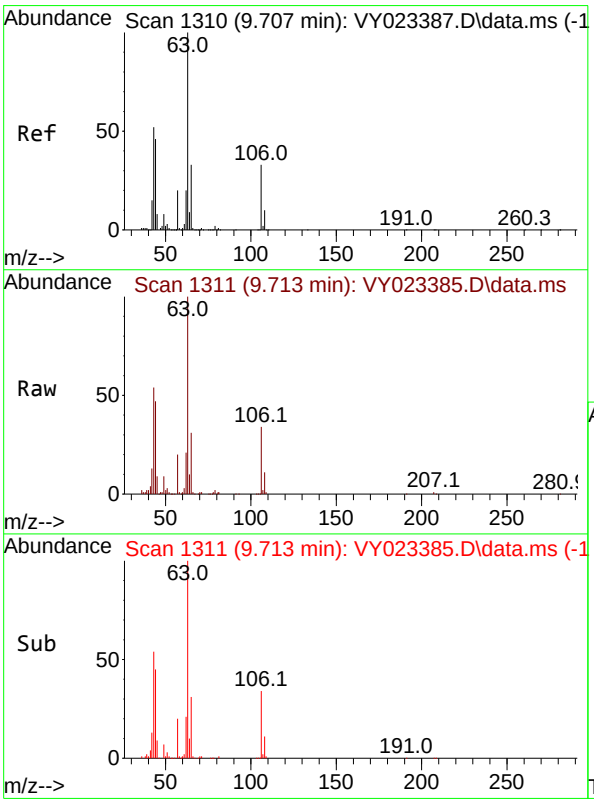
Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

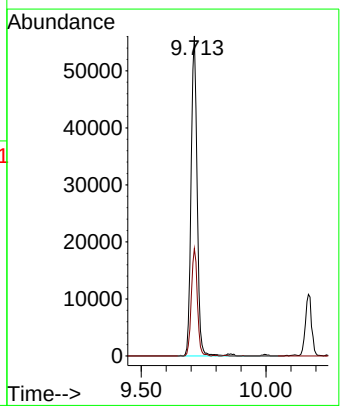
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

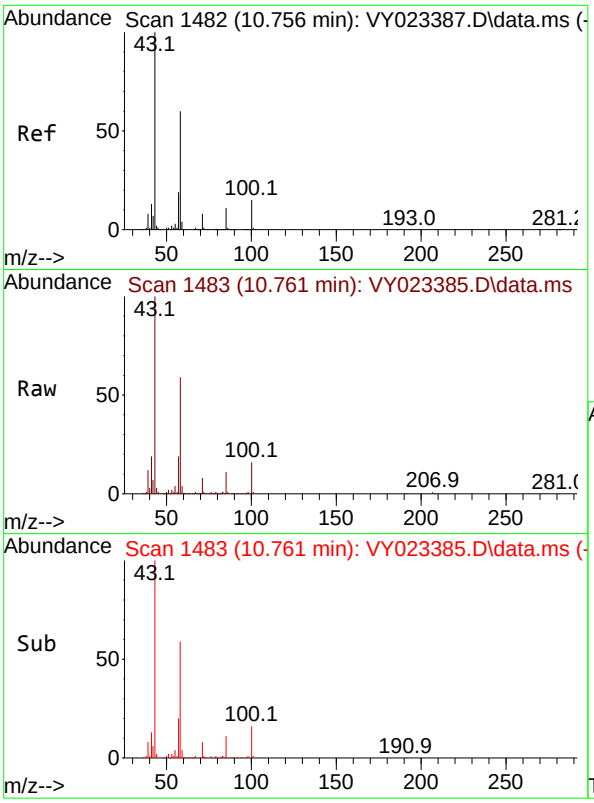


#58
2-Chloroethyl Vinyl ether
Concen: 45.535 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 63 Resp: 94970

Ion	Ratio	Lower	Upper
63	100		
106	33.4	26.6	39.8

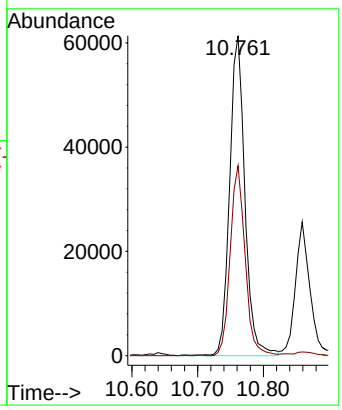




#59
2-Hexanone
Concen: 50.138 ug/l
RT: 10.761 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 43 Resp: 9917

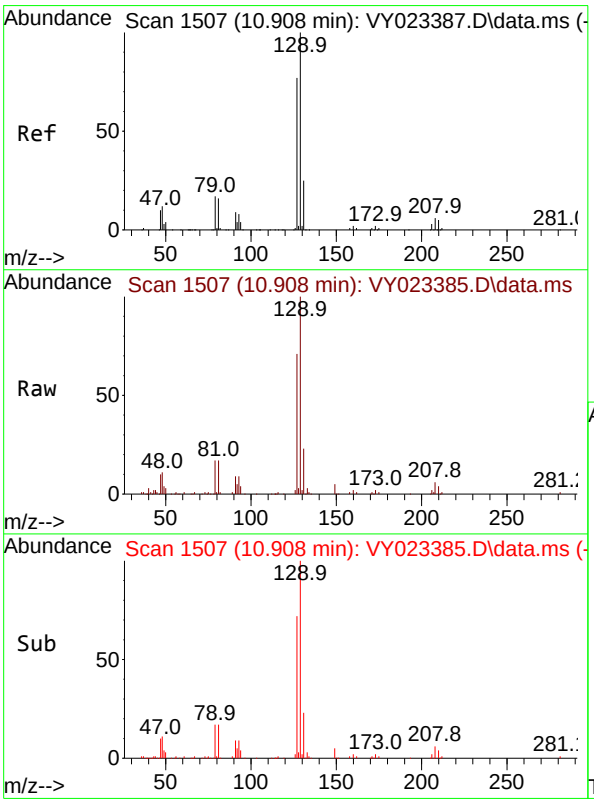
Ion	Ratio	Lower	Upper
43	100		
58	58.0	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

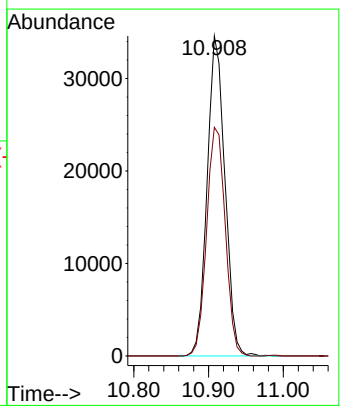
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

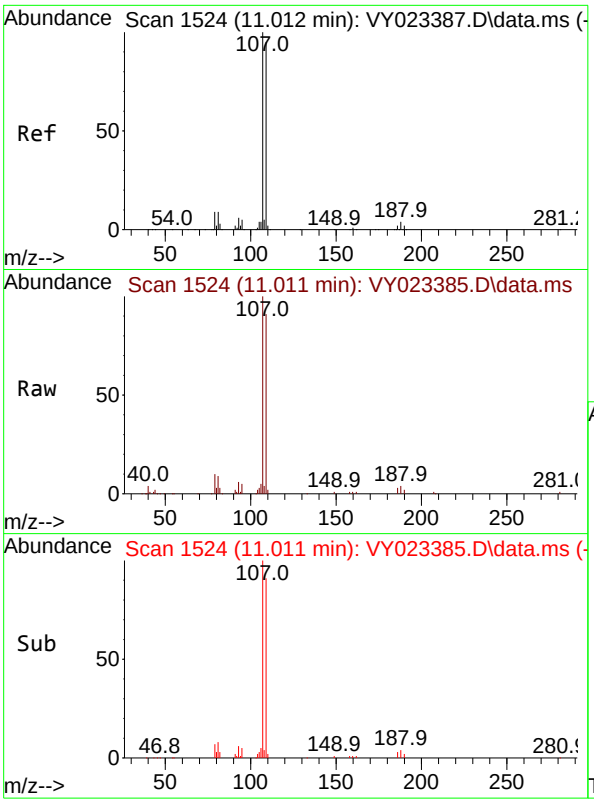


#60
Dibromochloromethane
Concen: 10.123 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:129 Resp: 57151

Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.6	115.7

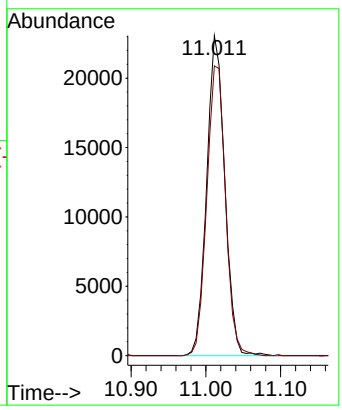




#61
1,2-Dibromoethane
Concen: 9.979 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:107 Resp: 3886

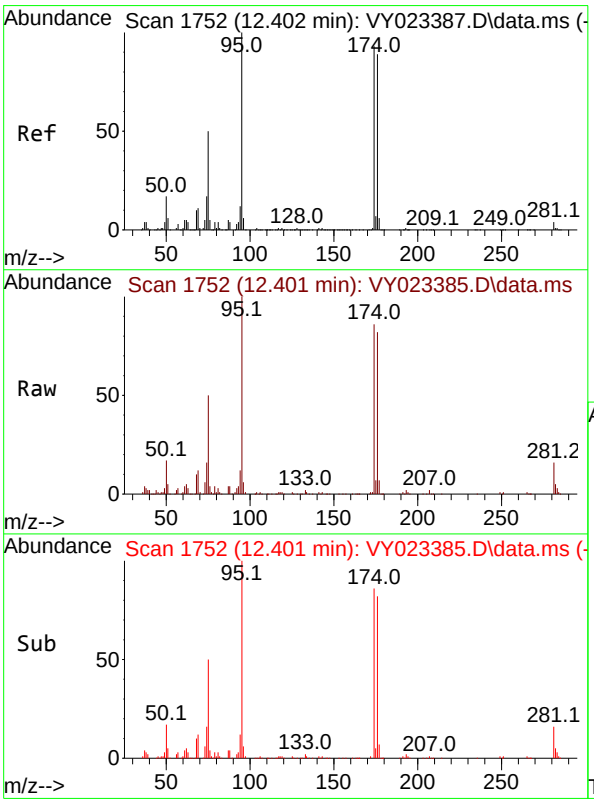
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

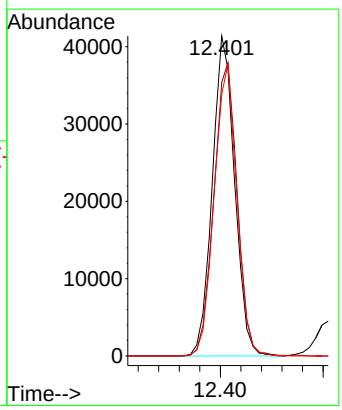
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

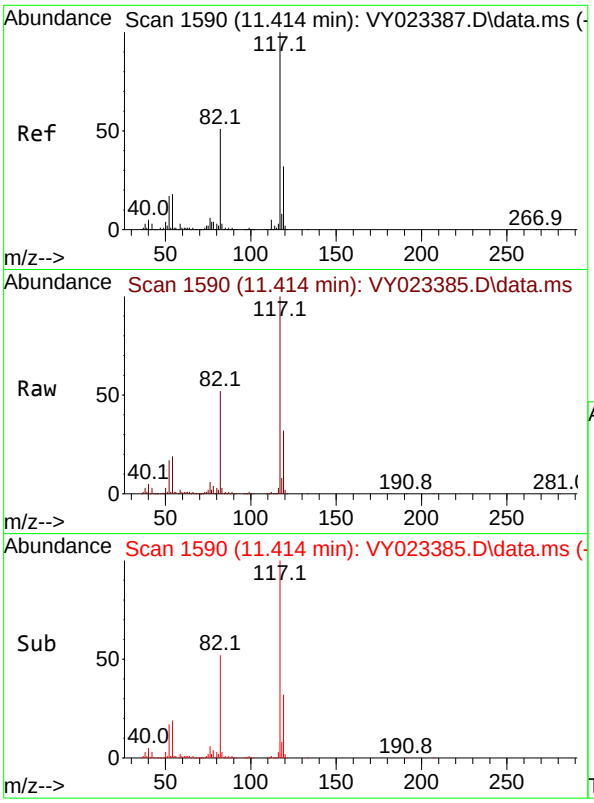


#62
4-Bromofluorobenzene
Concen: 10.235 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

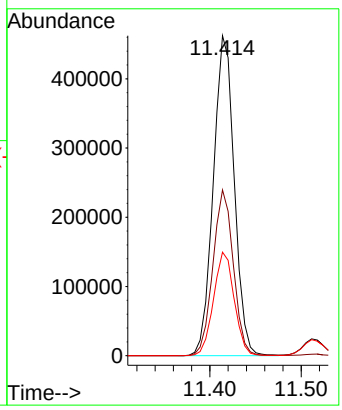




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:117 Resp: 73615

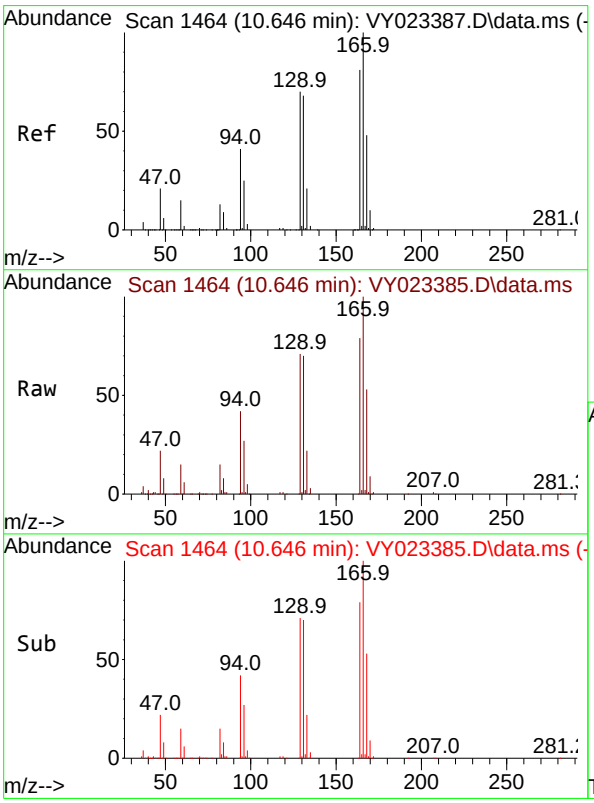
Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.0	61.4
119	32.3	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

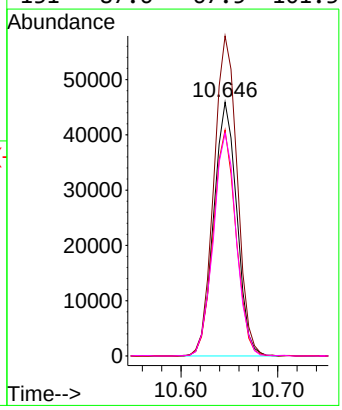
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

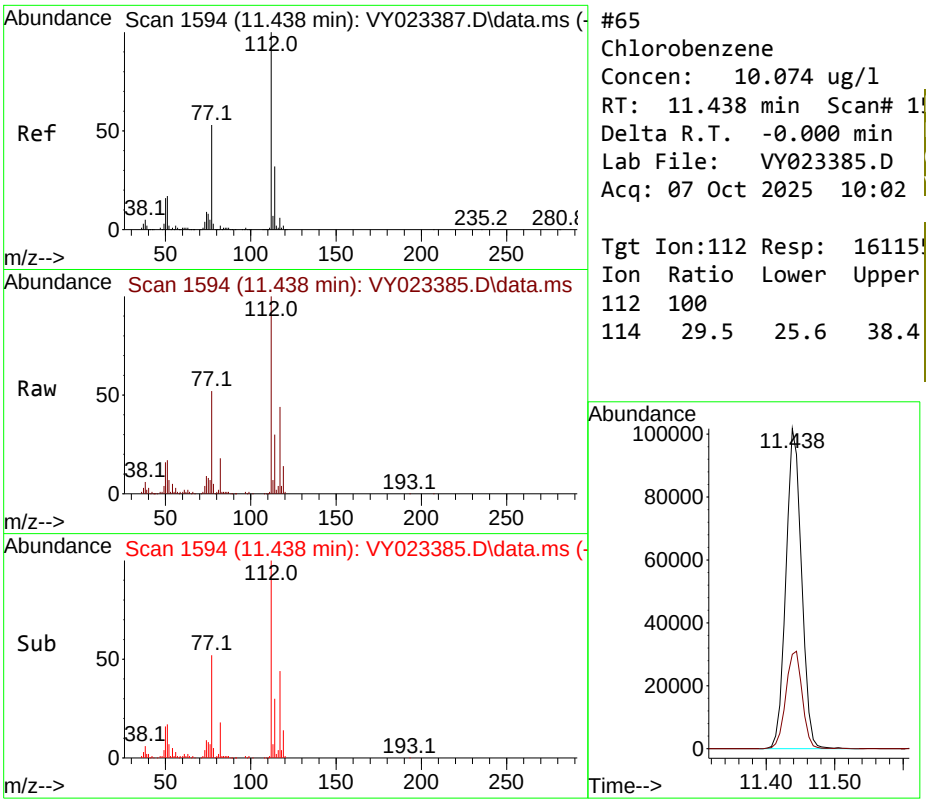


#64
Tetrachloroethene
Concen: 10.335 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

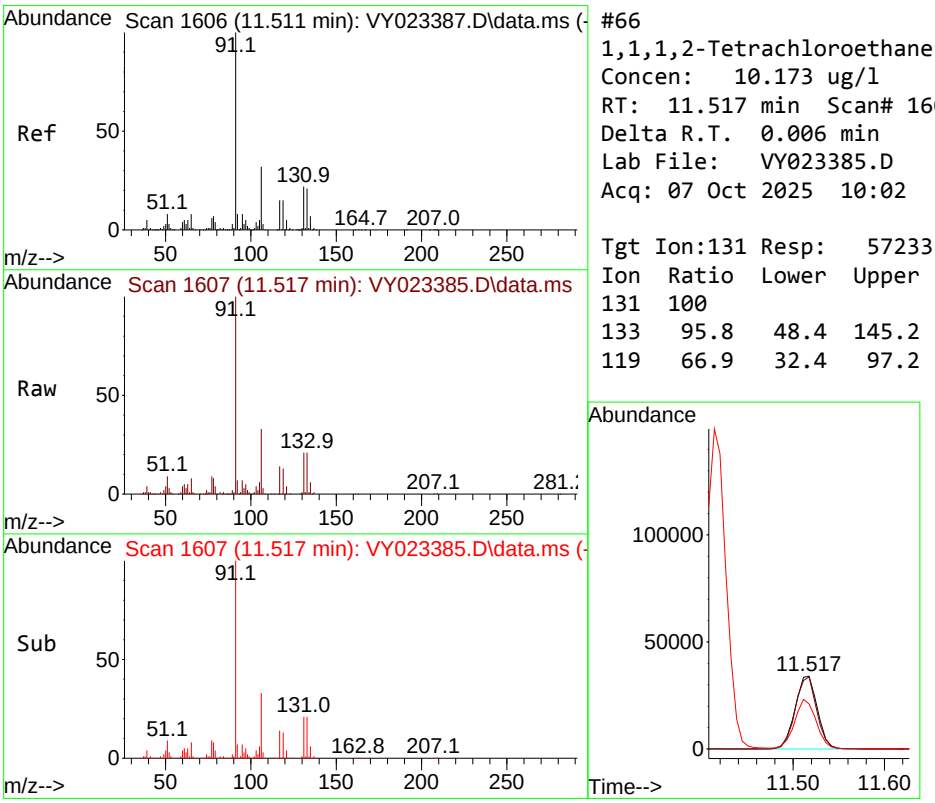
Tgt Ion:112 Resp: 16115

Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

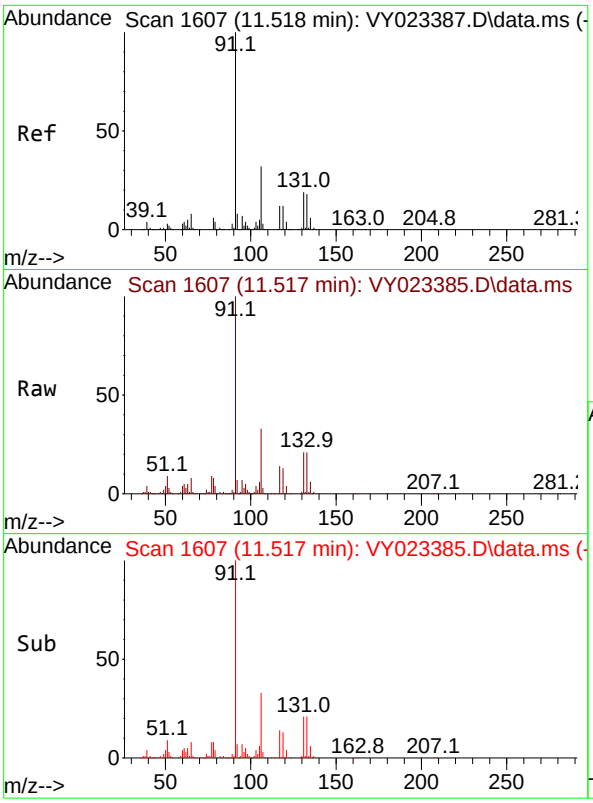
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

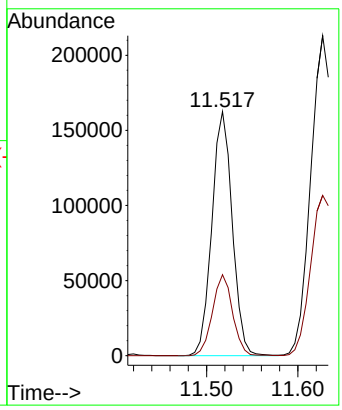
Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.4	145.2
119	66.9	32.4	97.2



#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

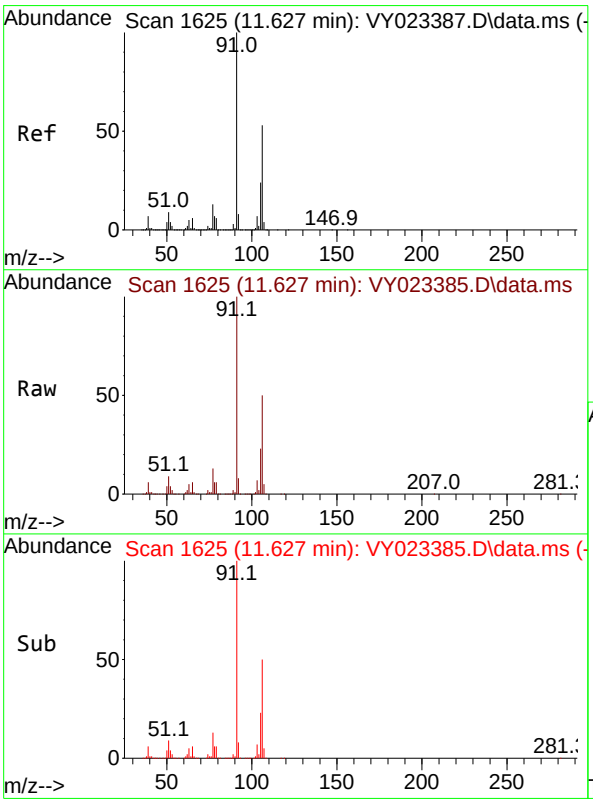
Ion	Ratio	Lower	Upper
91	100		
106	33.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

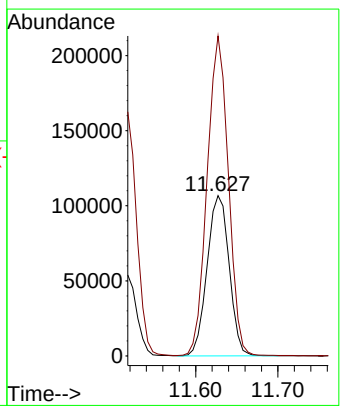
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

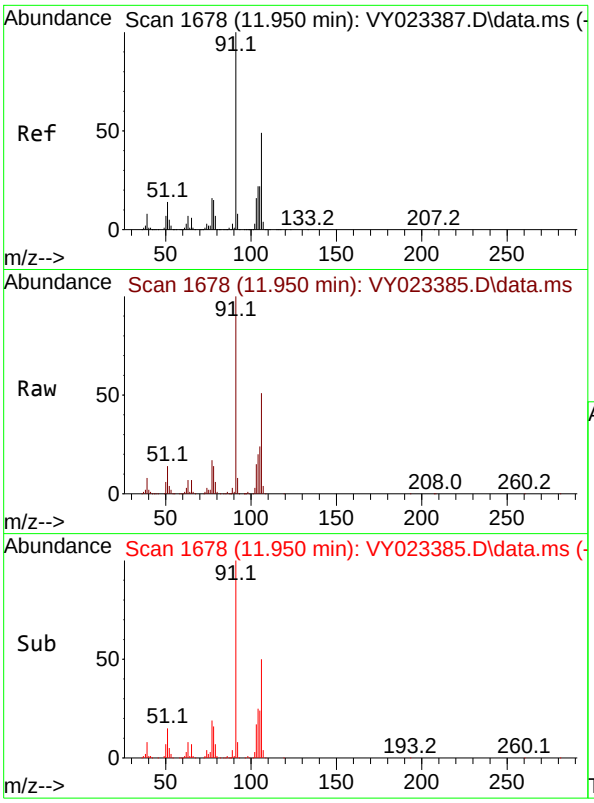


#68
m/p-Xylenes
Concen: 19.004 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

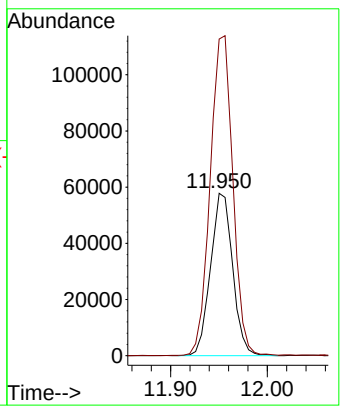
Tgt Ion:106 Resp: 9171

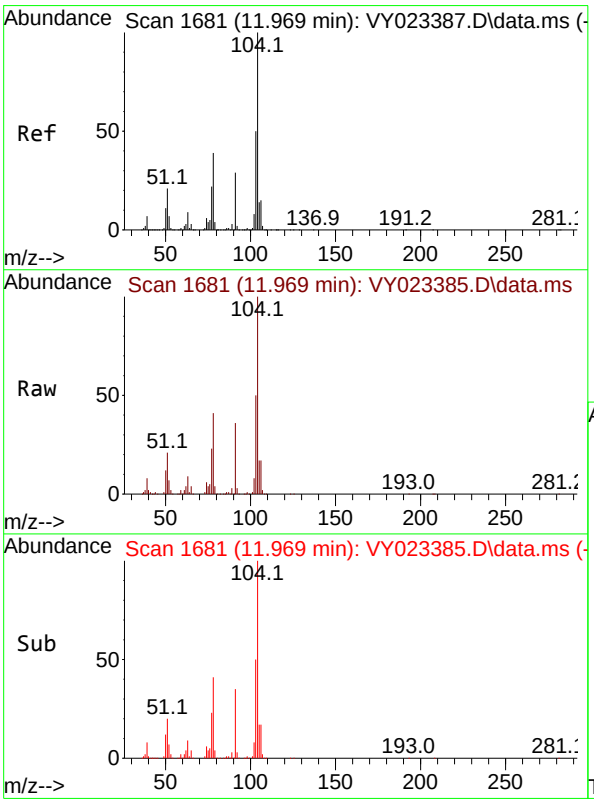
Ion	Ratio	Lower	Upper
106	100		
91	202.0	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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

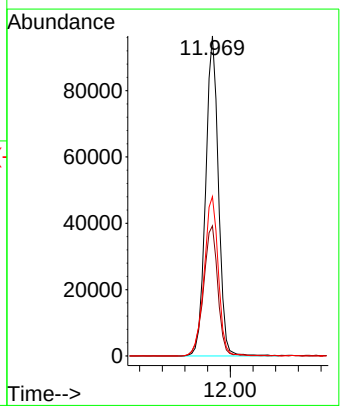


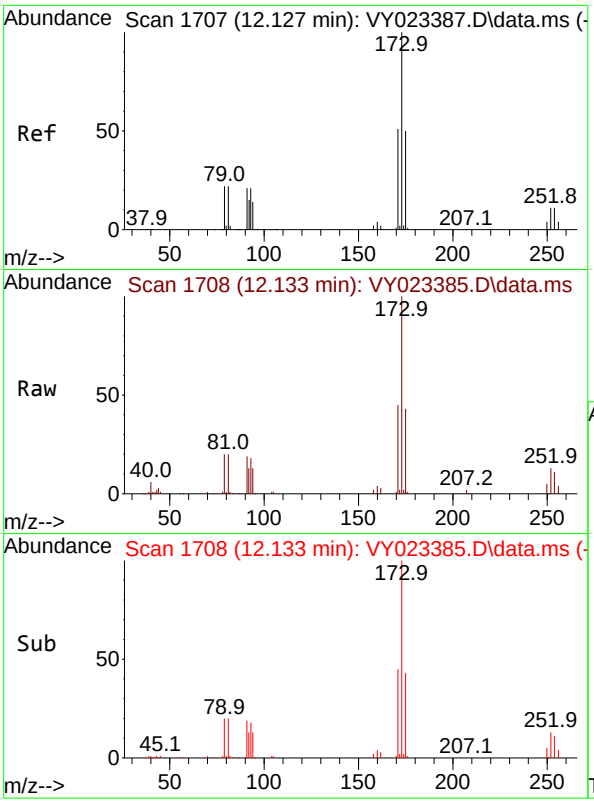


#70
Styrene
Concen: 9.446 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

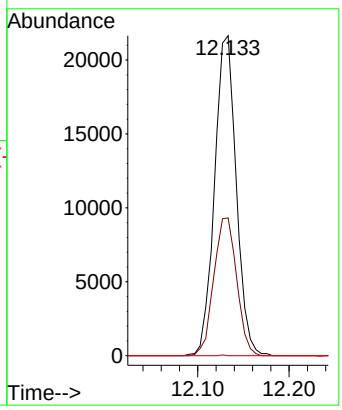




#71
Bromoform
Concen: 10.595 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:173 Resp: 3568

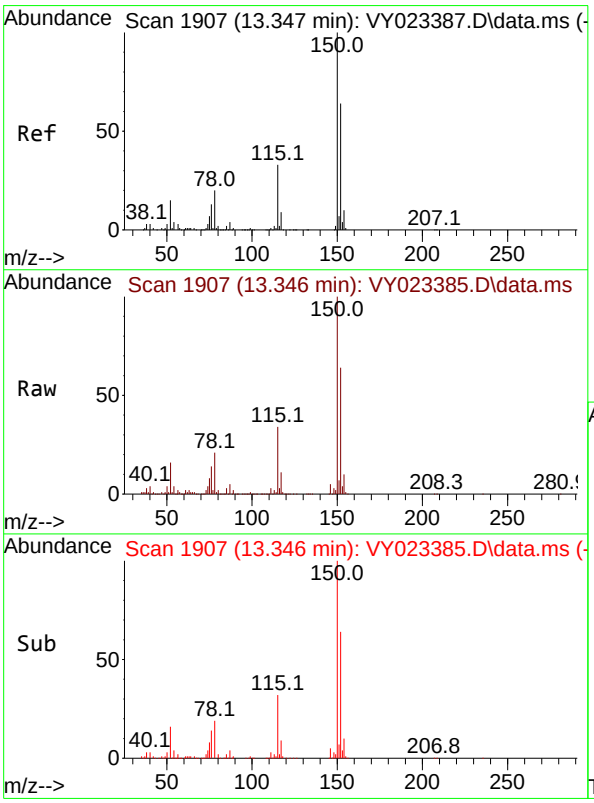
Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.8	74.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

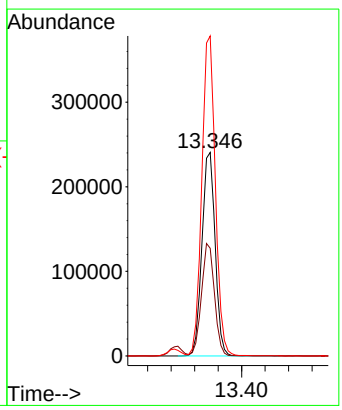
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

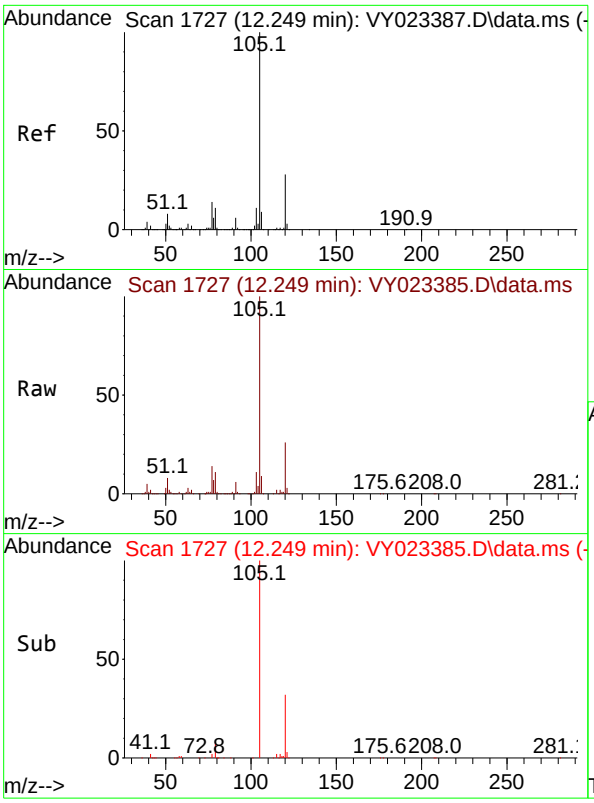


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

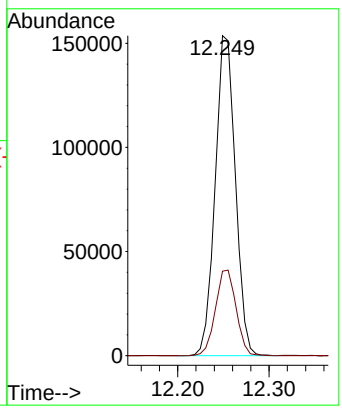




#73
Isopropylbenzene
Concen: 9.467 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 23648

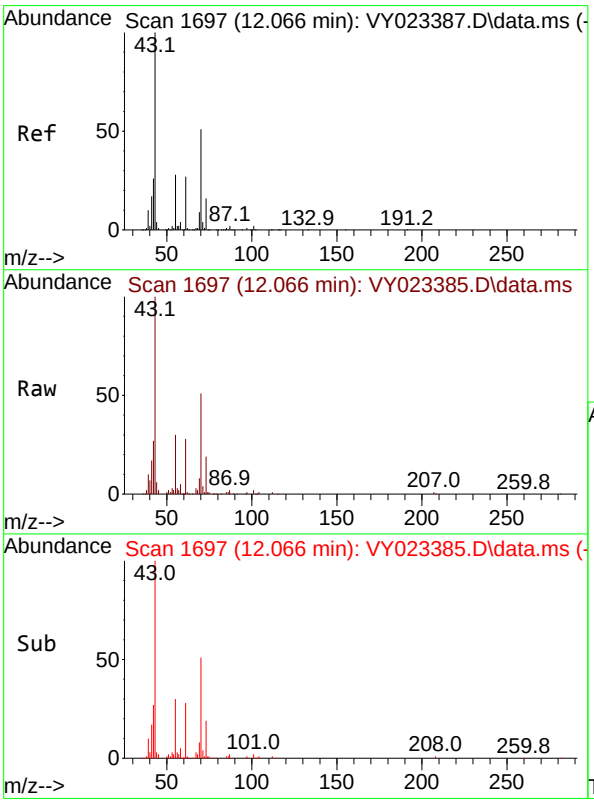
Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

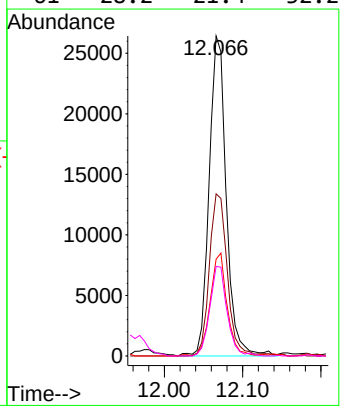
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

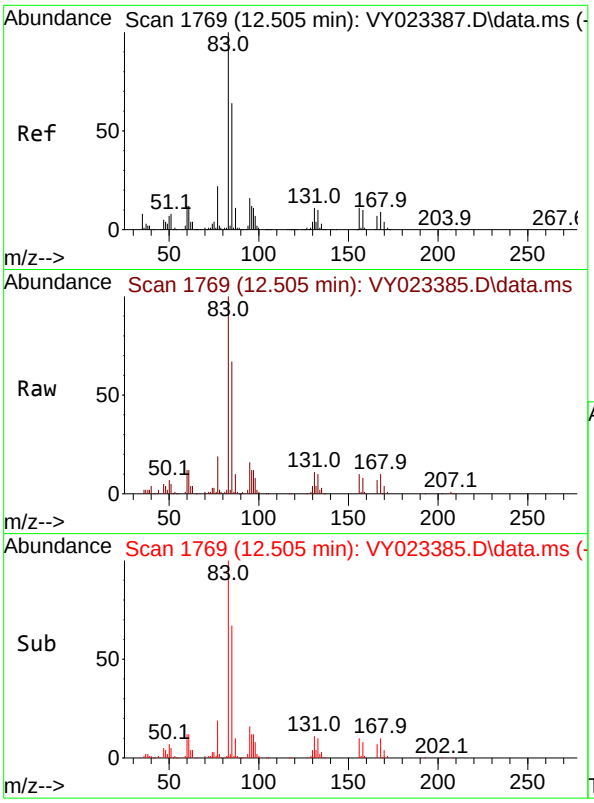


#74
N-amyl acetate
Concen: 8.590 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

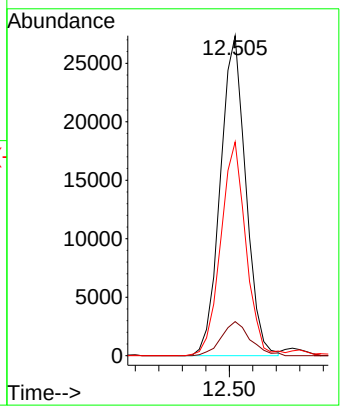
Tgt Ion: 83 Resp: 4113

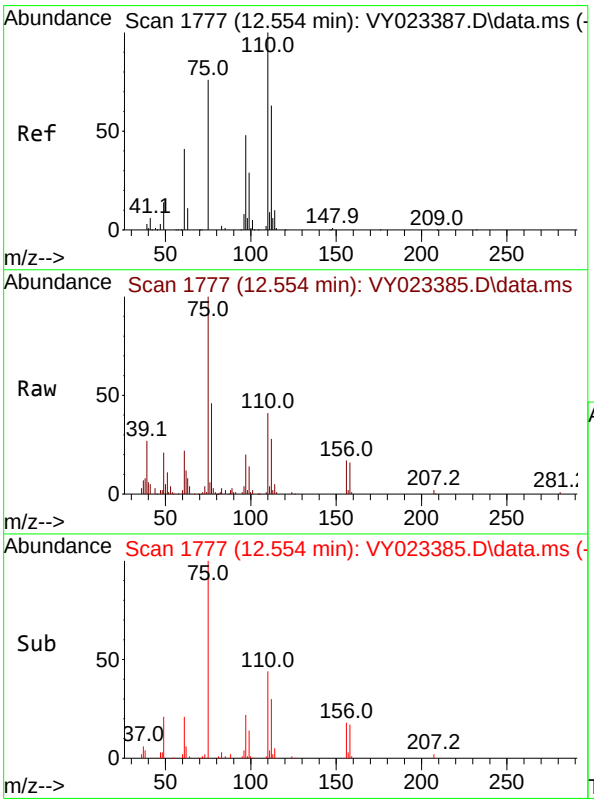
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.9	17.6
85	66.1	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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

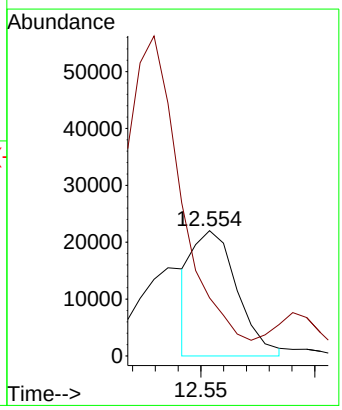


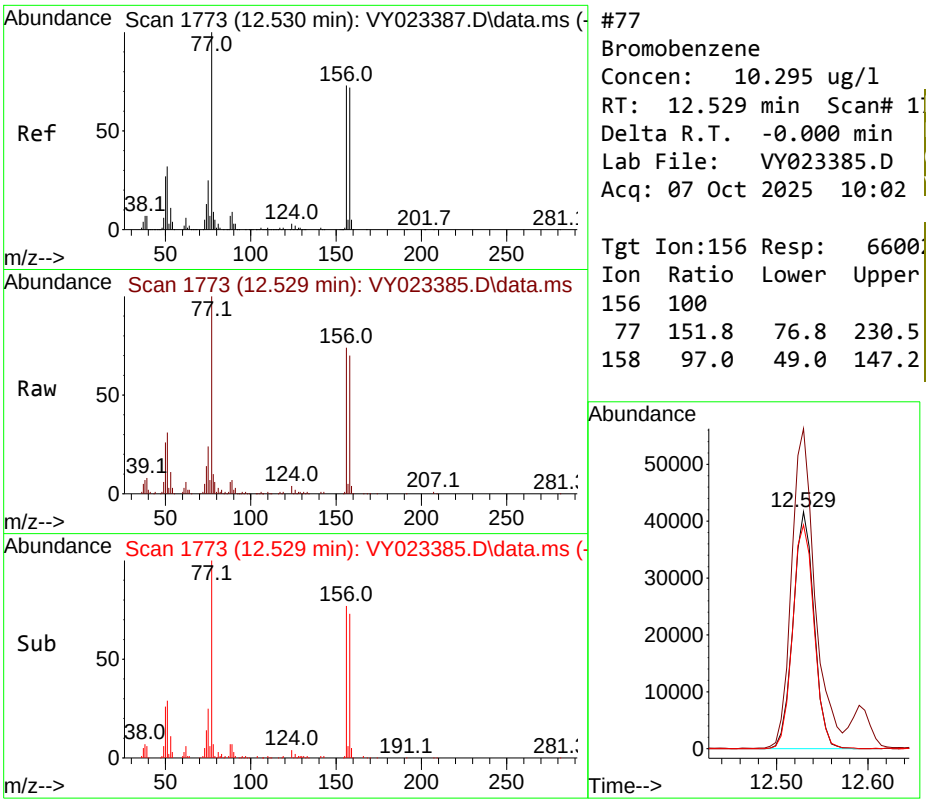


#76
1,2,3-Trichloropropane
Concen: 8.095 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

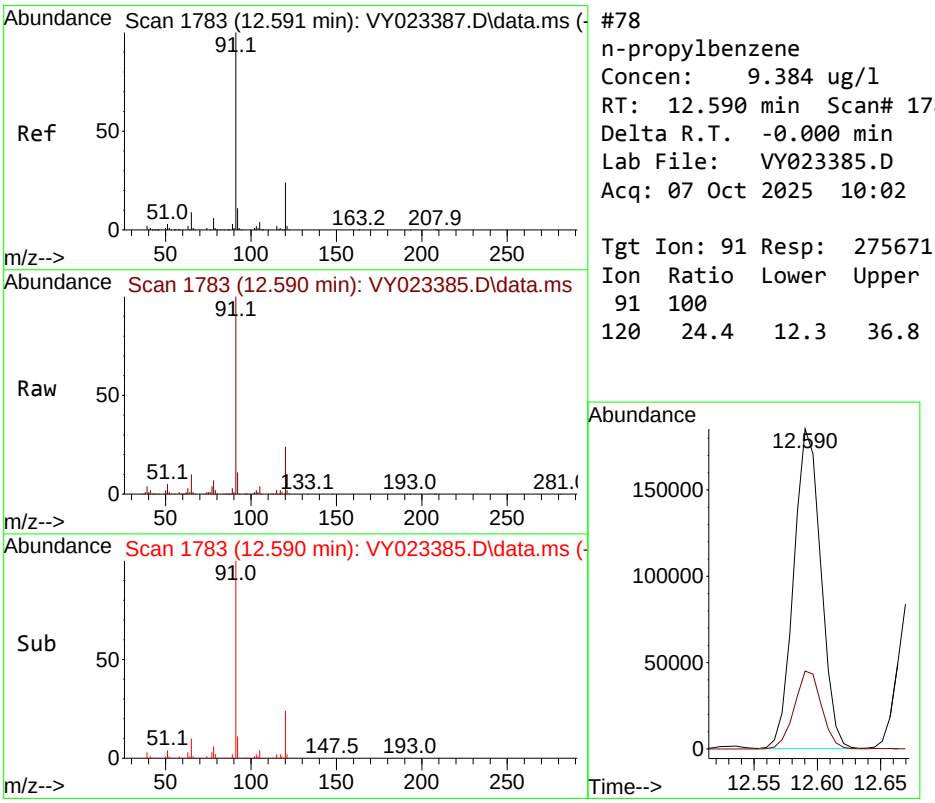
Tgt Ion:156 Resp: 6600

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

Manual Integrations
APPROVED

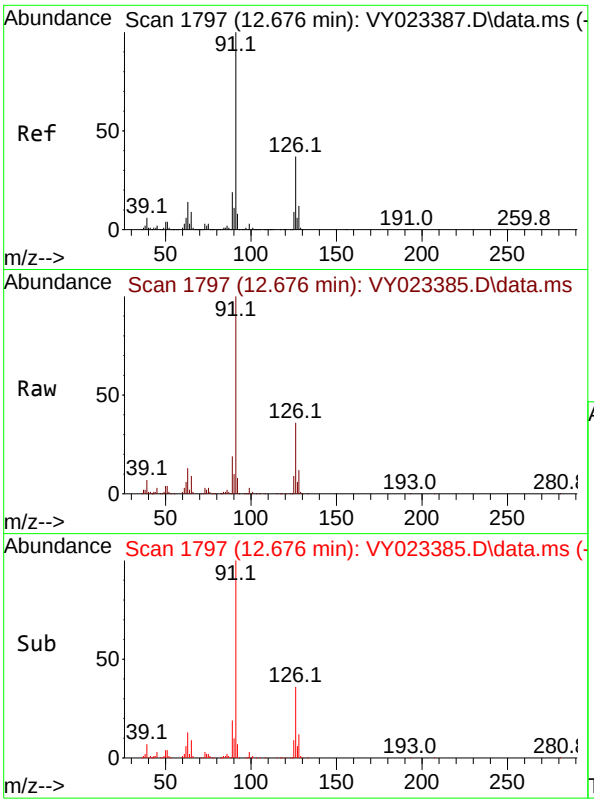
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

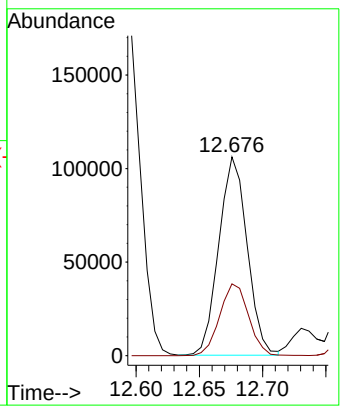
Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.8



#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

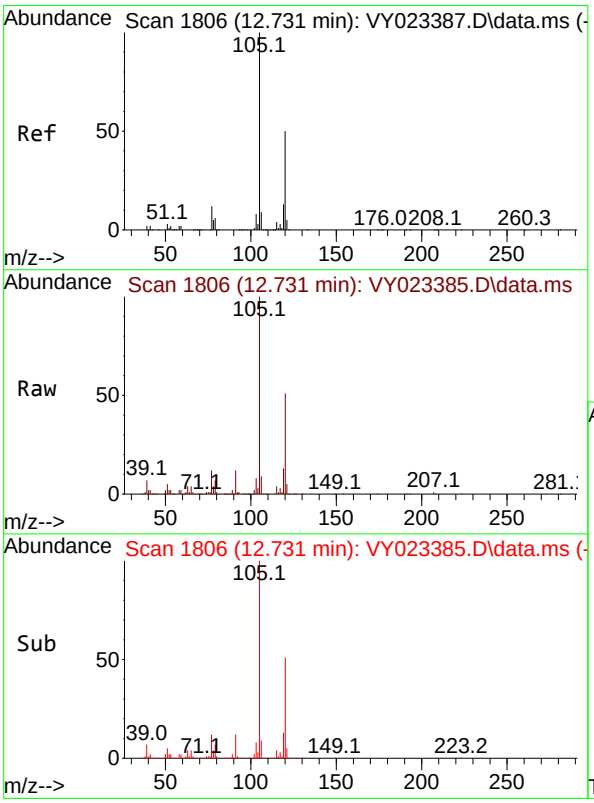
Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

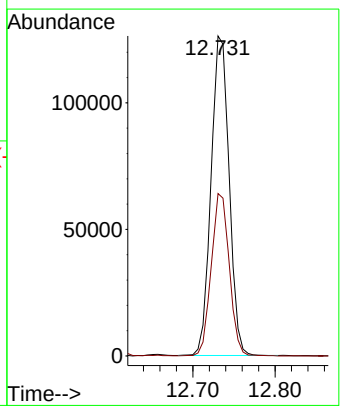
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

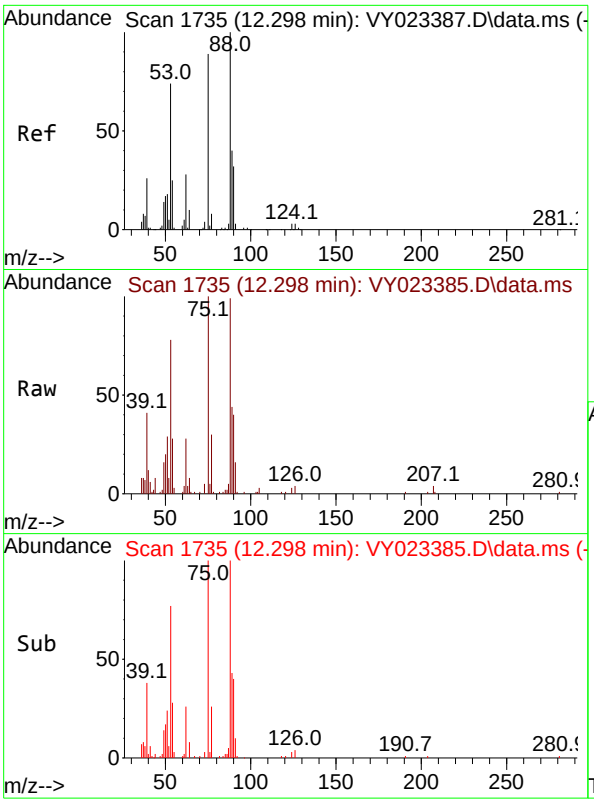


#80
1,3,5-Trimethylbenzene
Concen: 9.445 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 191799

Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.4	76.4

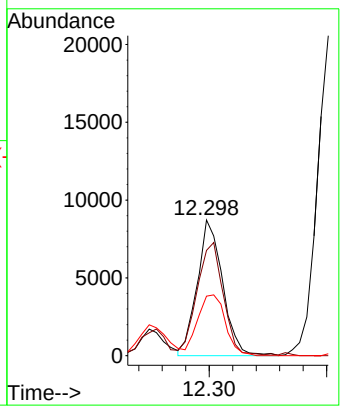




#81
trans-1,4-Dichloro-2-butene
Concen: 9.556 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 75 Resp: 1311

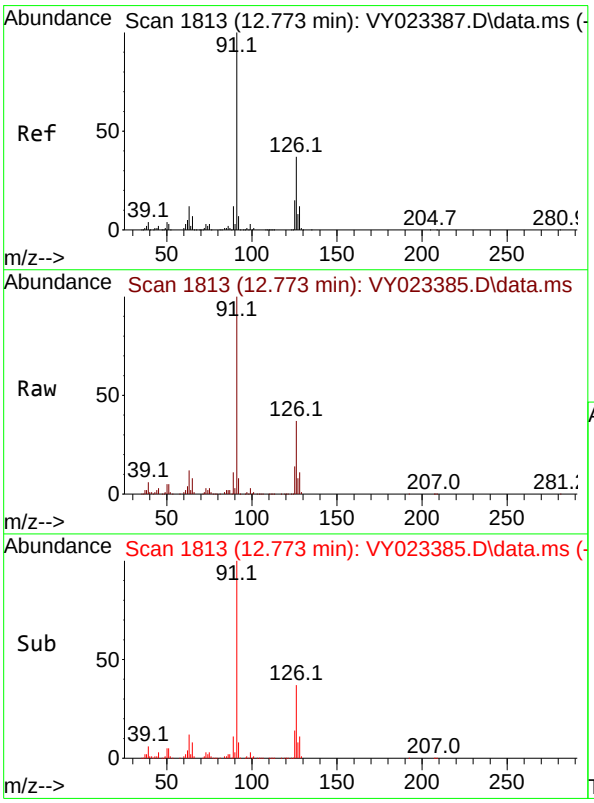
Ion	Ratio	Lower	Upper
75	100		
53	84.6	68.6	102.8
89	48.5	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

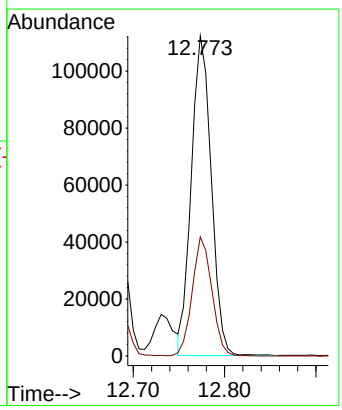
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

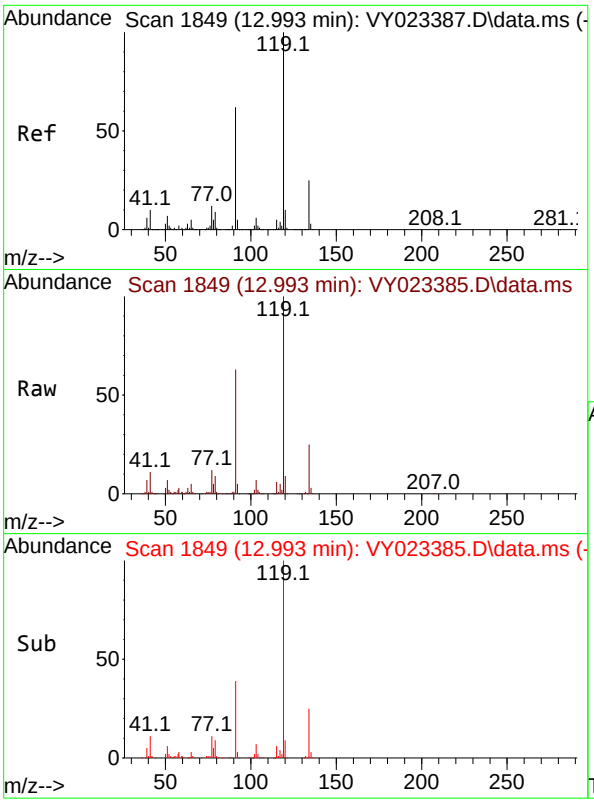


#82
4-Chlorotoluene
Concen: 9.595 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 169968

Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.4	55.4

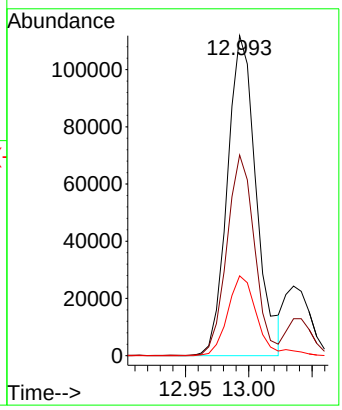




#83
tert-Butylbenzene
Concen: 9.579 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:119 Resp: 17725

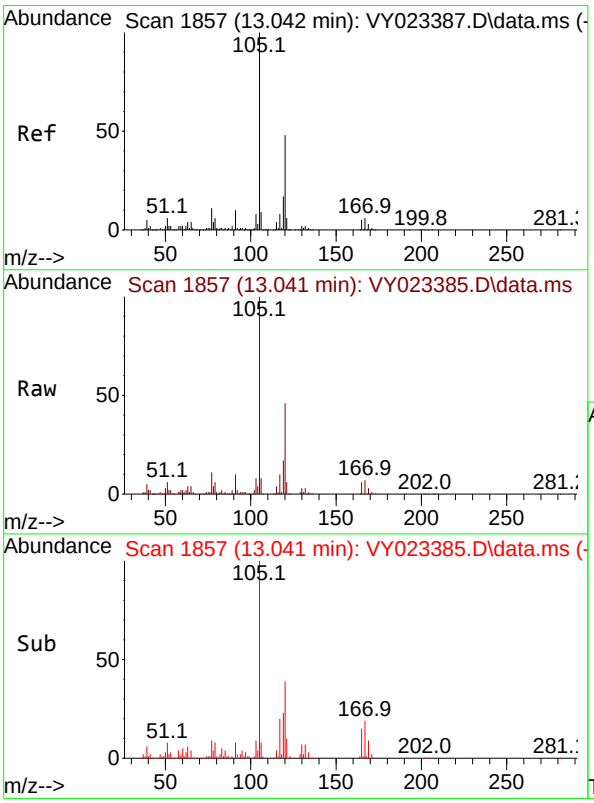
Ion	Ratio	Lower	Upper
119	100		
91	60.5	29.9	89.8
134	25.6	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

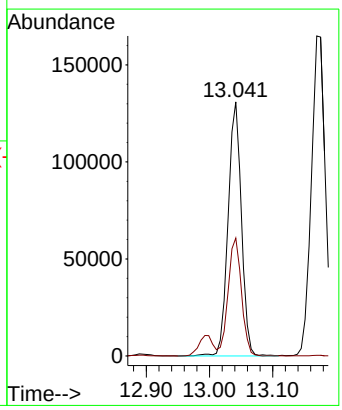
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

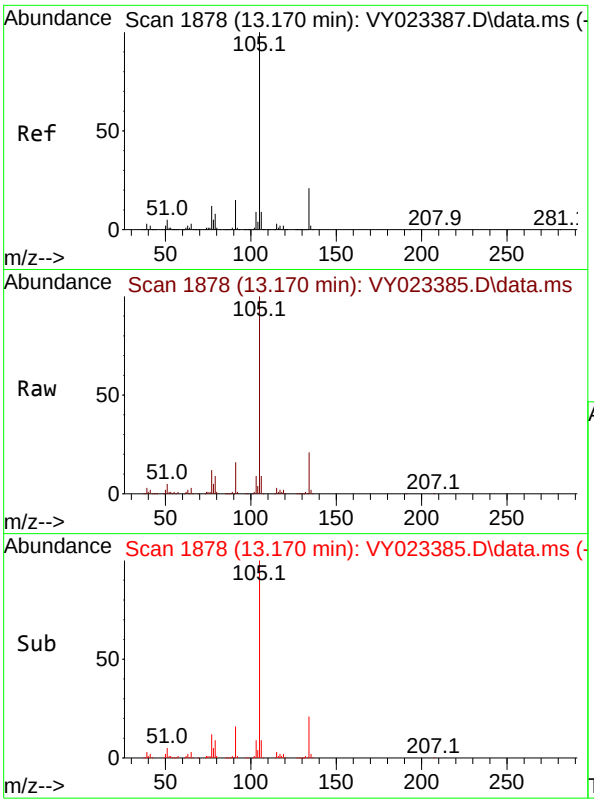


#84
1,2,4-Trimethylbenzene
Concen: 9.528 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 191423

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.8	71.2

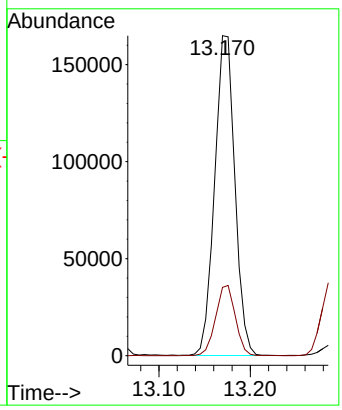




#85
sec-Butylbenzene
Concen: 9.483 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:105 Resp: 25413

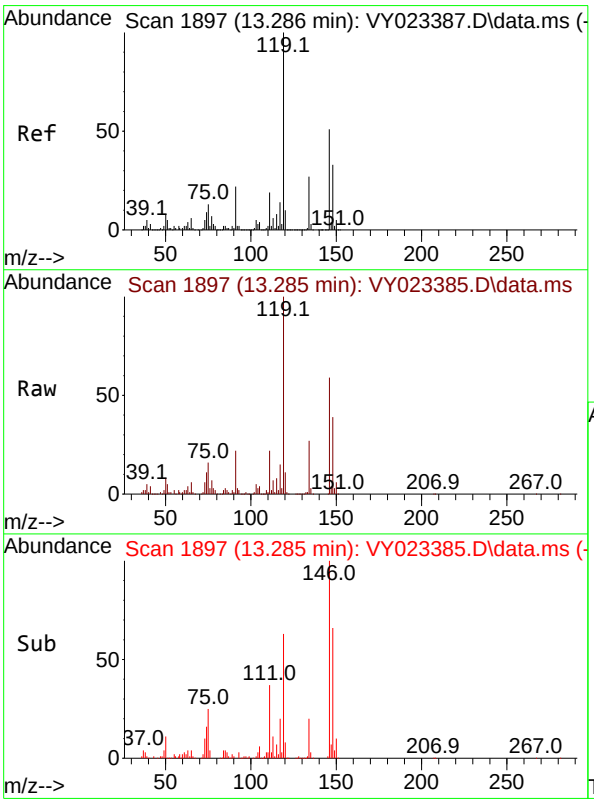
Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

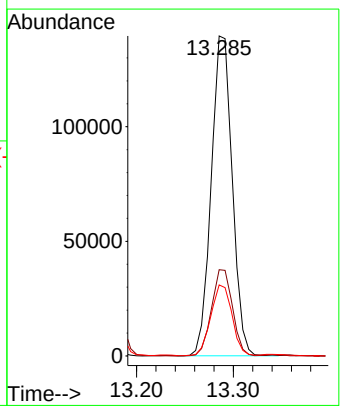
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

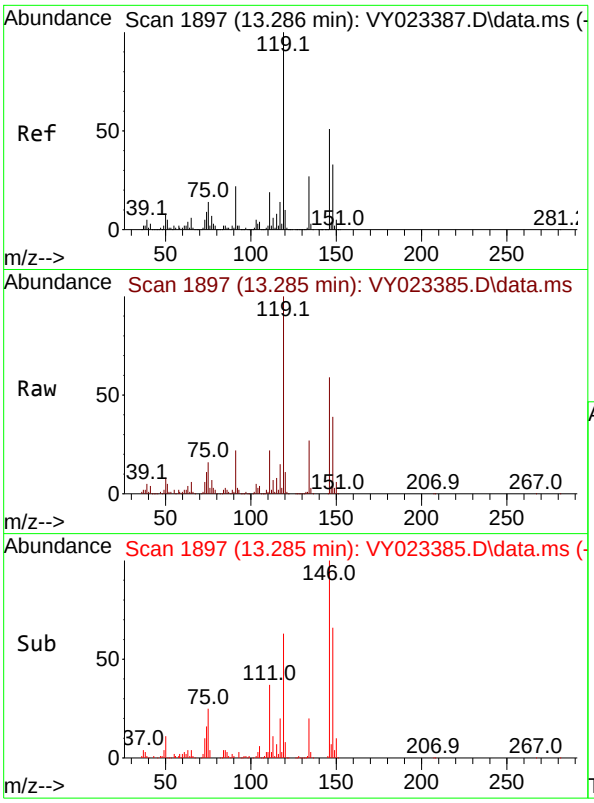


#86
p-Isopropyltoluene
Concen: 9.287 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

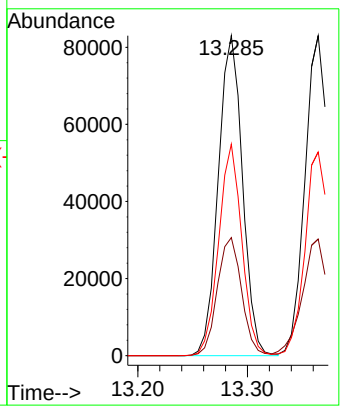




#87
1,3-Dichlorobenzene
Concen: 10.058 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion:146 Resp: 12737

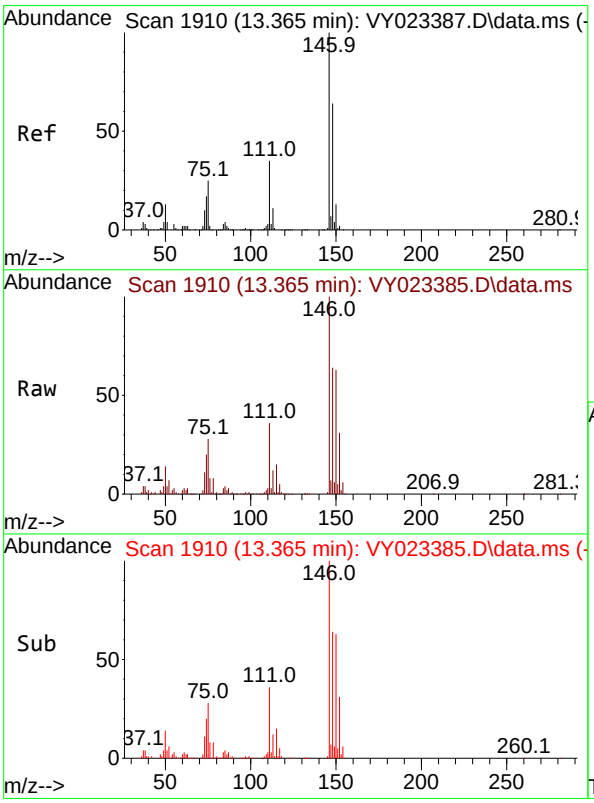
Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	63.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

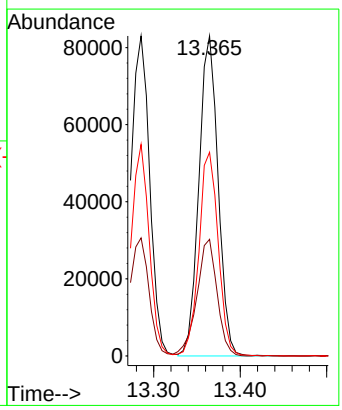
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

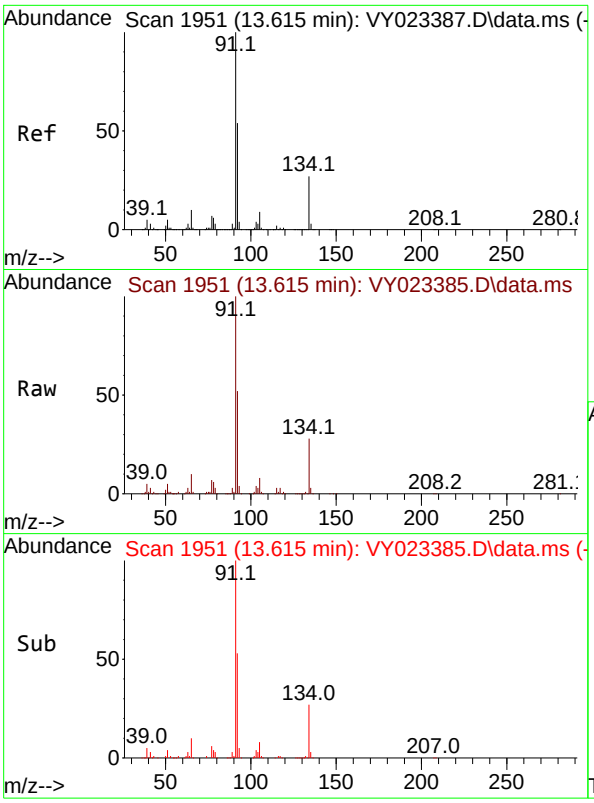


#88
1,4-Dichlorobenzene
Concen: 10.172 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

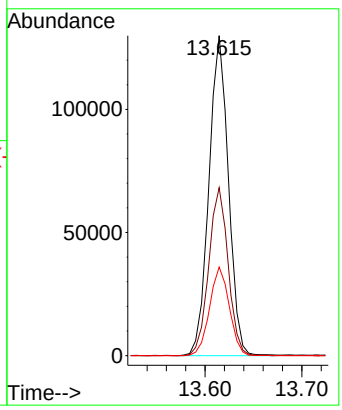




#89
n-Butylbenzene
Concen: 9.107 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

Tgt Ion: 91 Resp: 18211

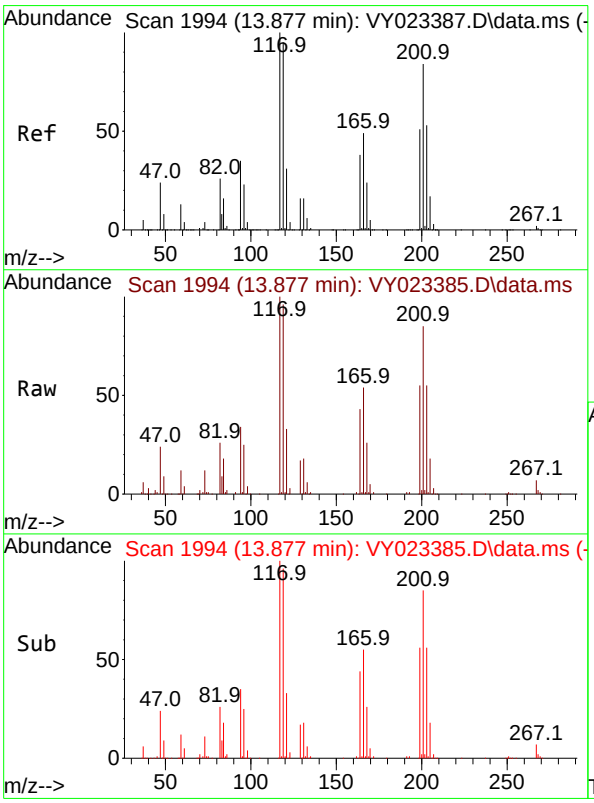
Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.0	80.8
134	28.0	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

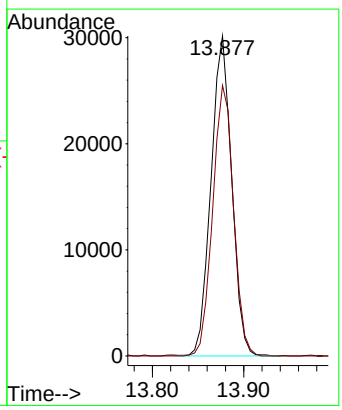
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

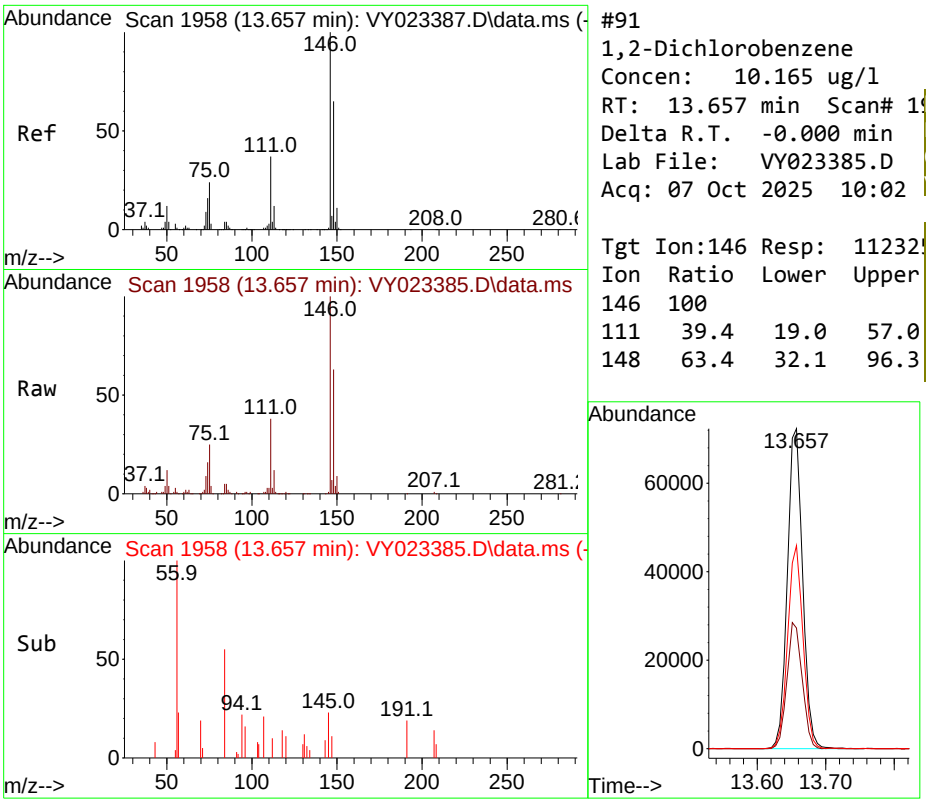


#90
Hexachloroethane
Concen: 9.630 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023385.D
Acq: 07 Oct 2025 10:02

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

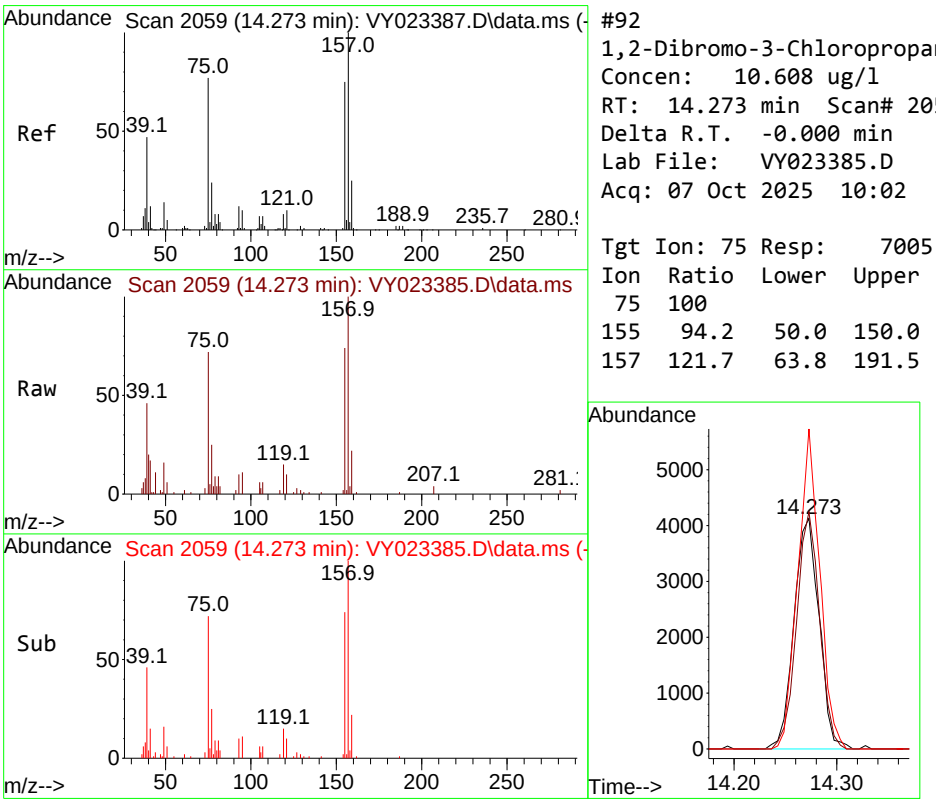
Tgt Ion:146 Resp: 11232

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

Manual Integrations
APPROVED

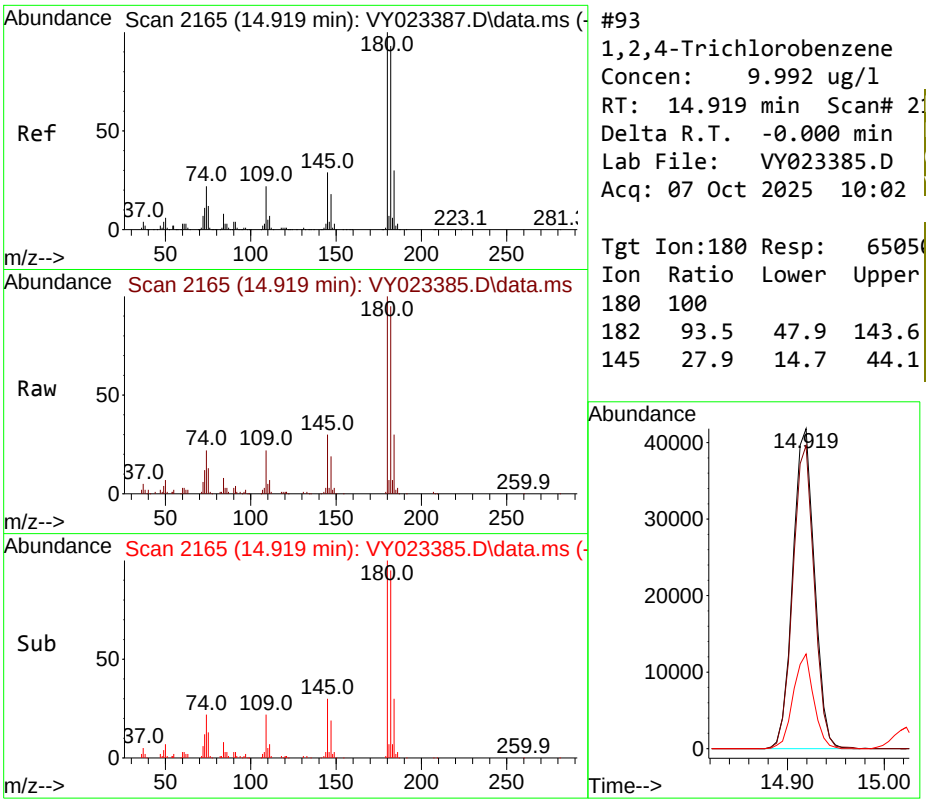
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

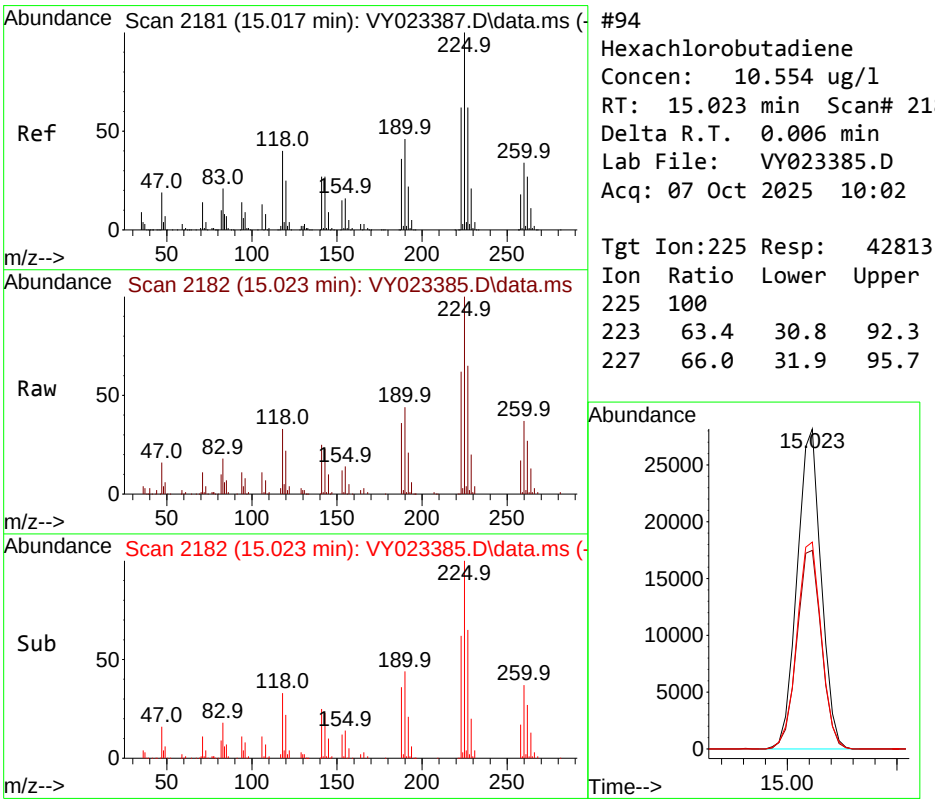
Tgt Ion:180 Resp: 6505

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

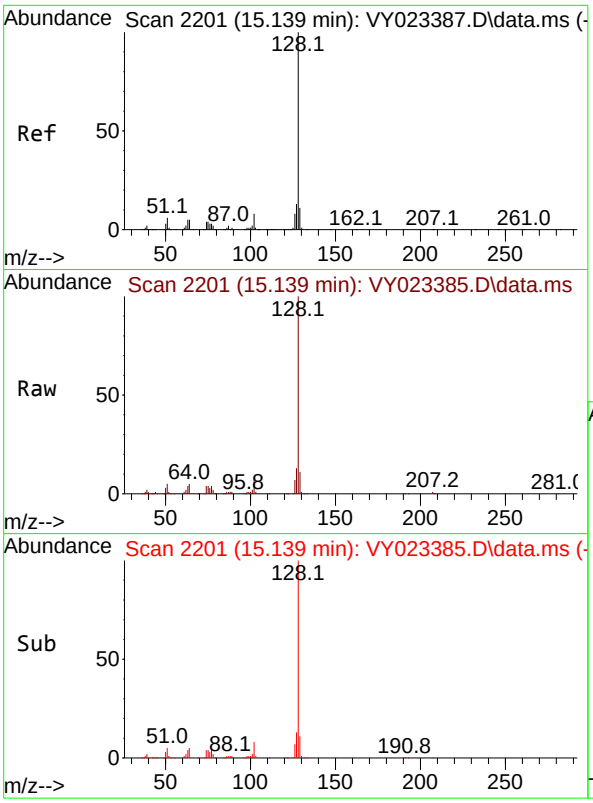
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

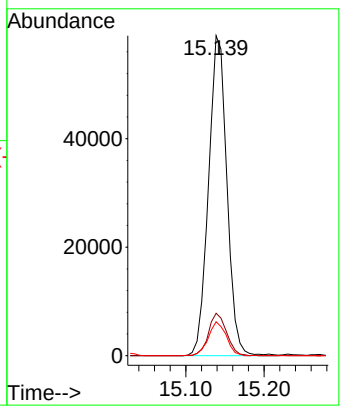
Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.8	92.3
227	66.0	31.9	95.7



#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

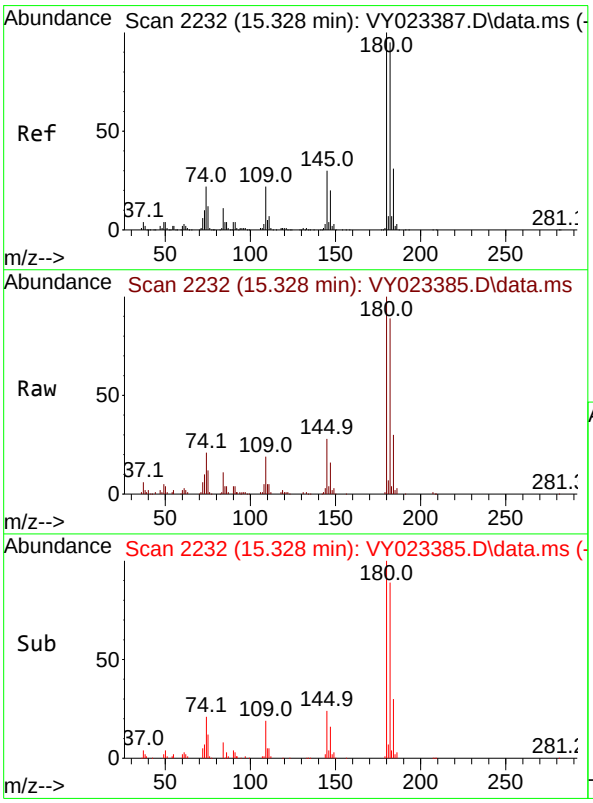
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.4	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

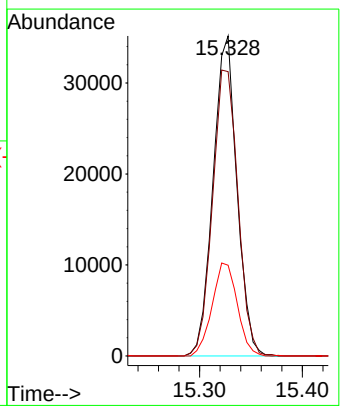
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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



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

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

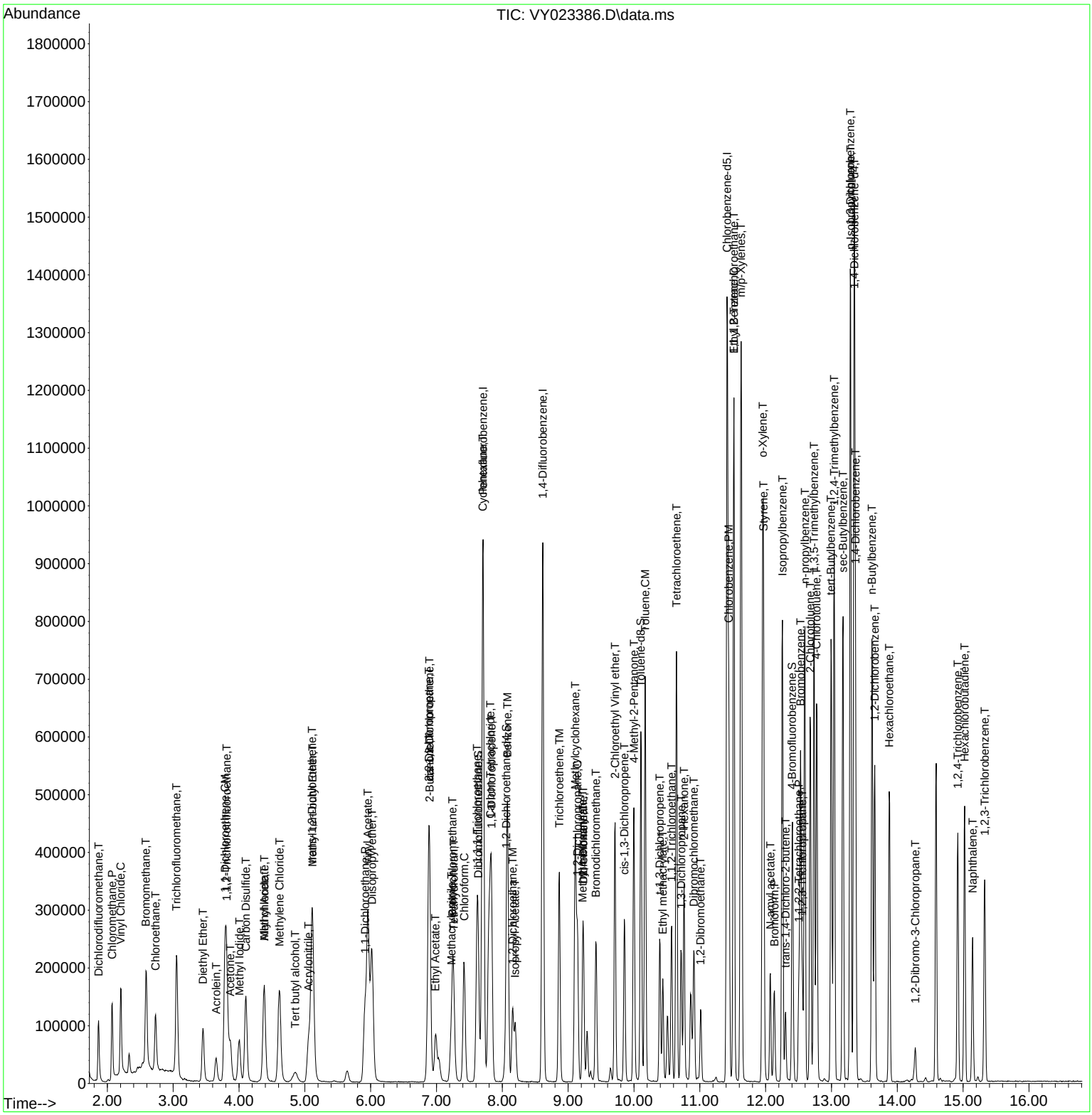
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023386.D
Acq On : 07 Oct 2025 11:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

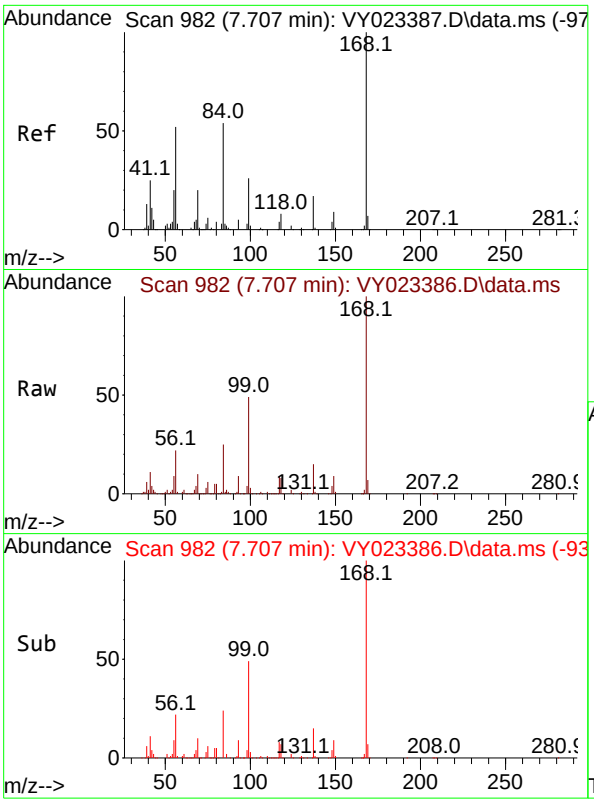
Quant Time: Oct 08 04:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

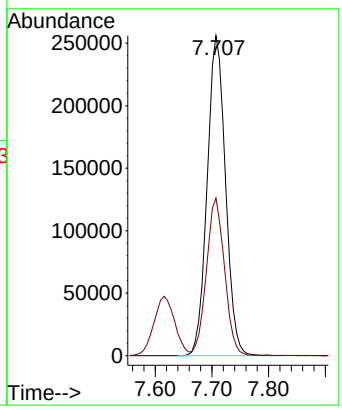




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:168 Resp: 57436

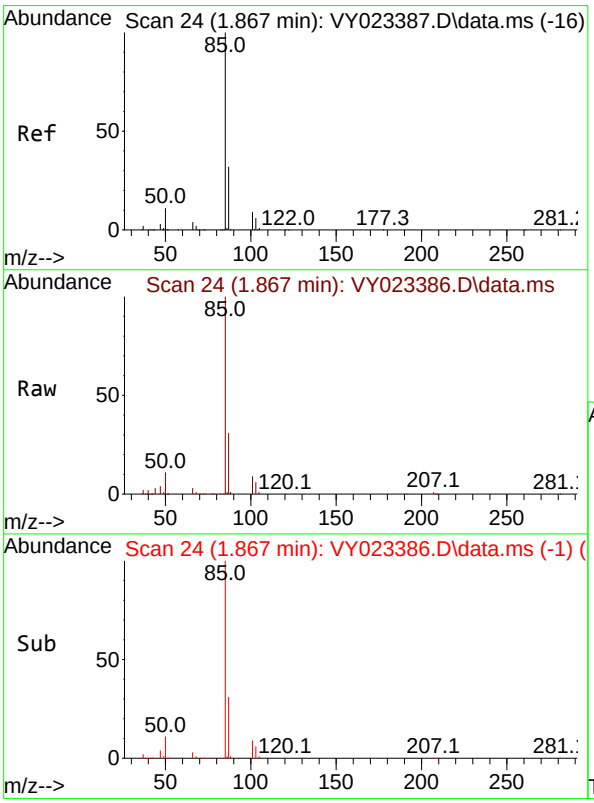
Ion	Ratio	Lower	Upper
168	100		
99	49.2	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

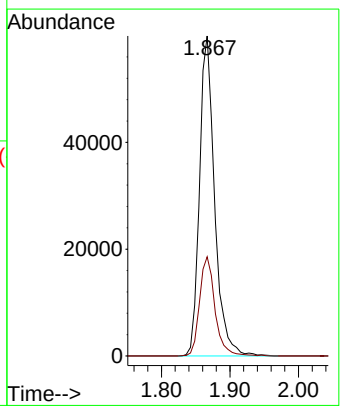
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

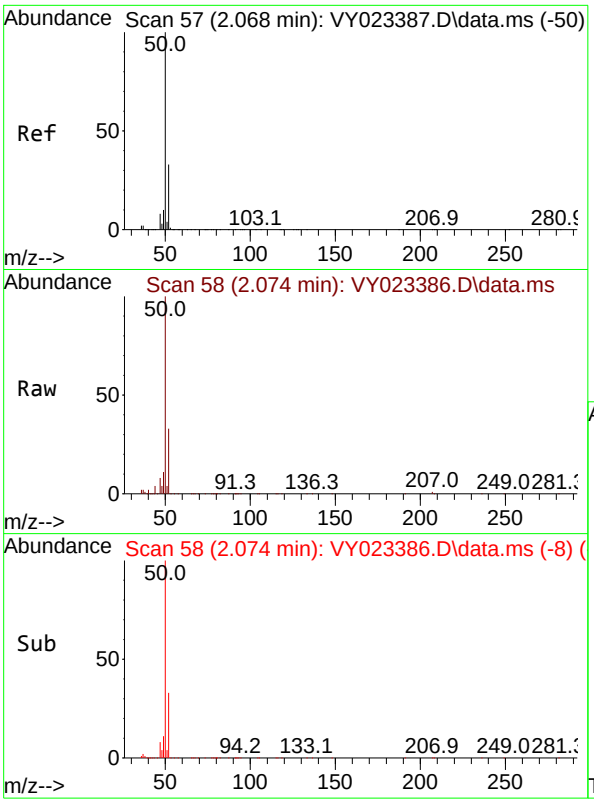


#2
Dichlorodifluoromethane
Concen: 20.318 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 85 Resp: 91924

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.0	47.9

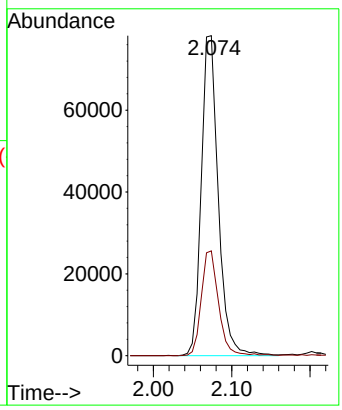




#3
Chloromethane
Concen: 18.284 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 50 Resp: 11758

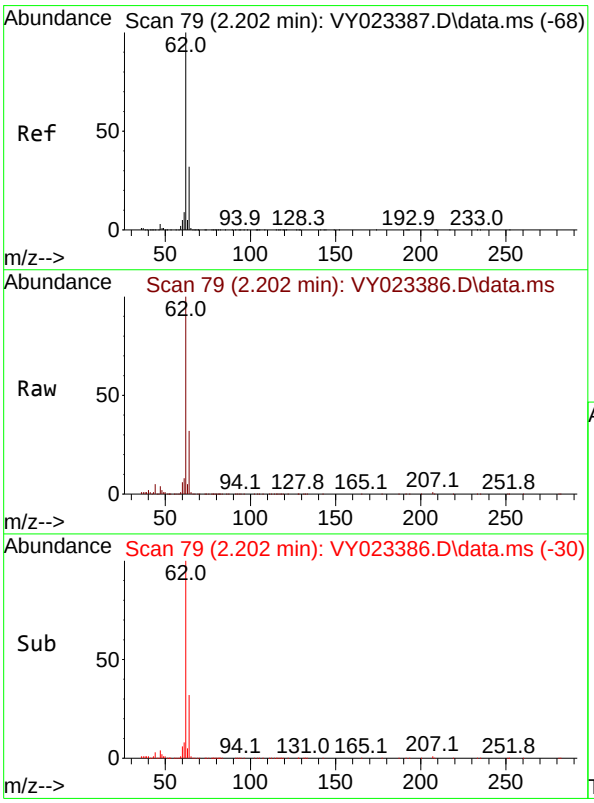
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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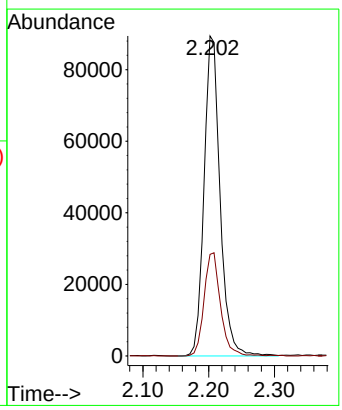
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

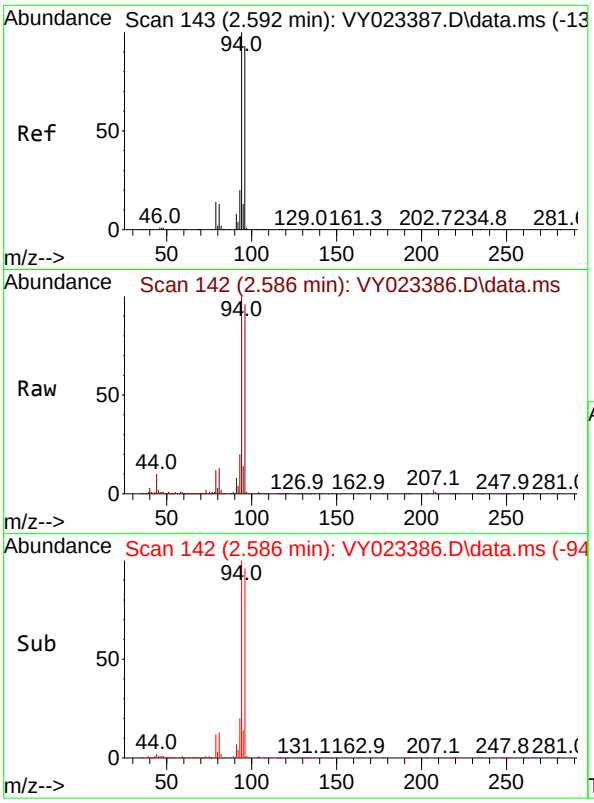


#4
Vinyl Chloride
Concen: 18.652 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 151460

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.8	38.8

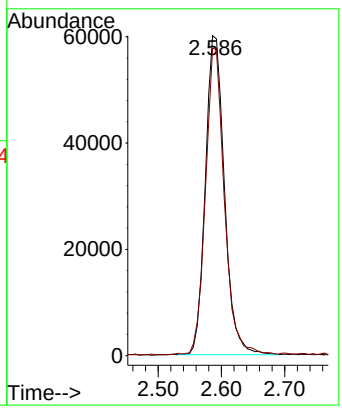




#5
Bromomethane
Concen: 18.907 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 94 Resp: 12594

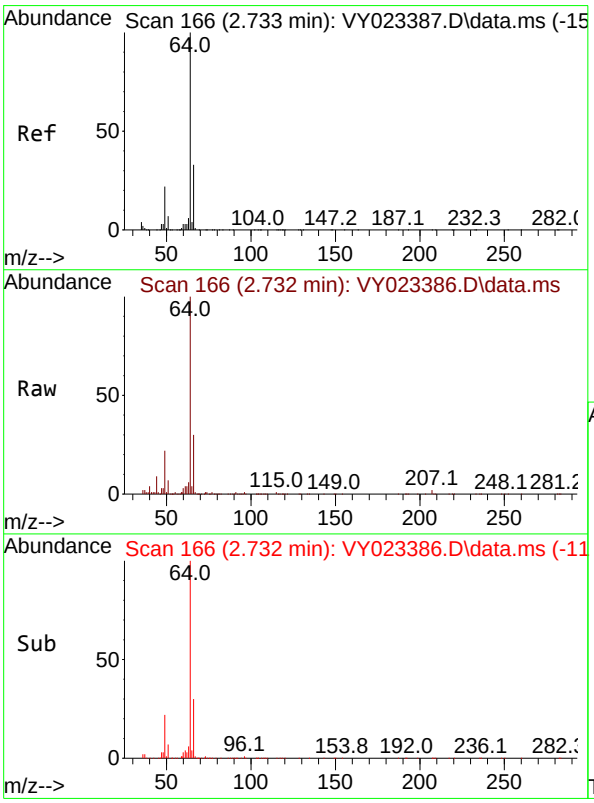
Ion	Ratio	Lower	Upper
94	100		
96	95.9	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

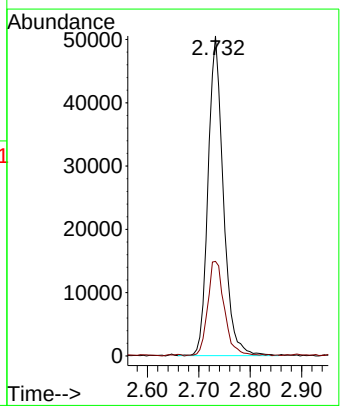
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

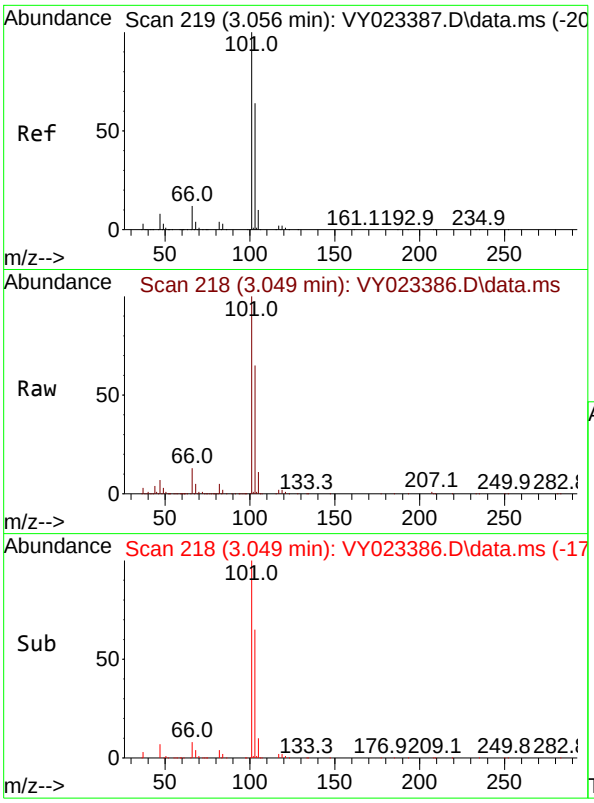


#6
Chloroethane
Concen: 18.859 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 64 Resp: 103973

Ion	Ratio	Lower	Upper
64	100		
66	29.3	26.2	39.4

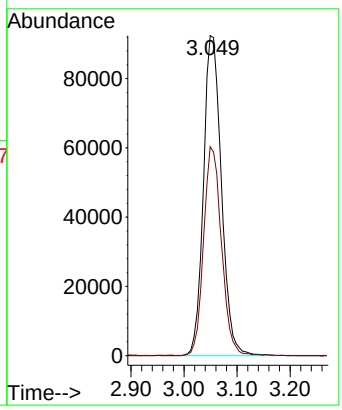




#7
Trichlorofluoromethane
Concen: 20.846 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:101 Resp: 21745

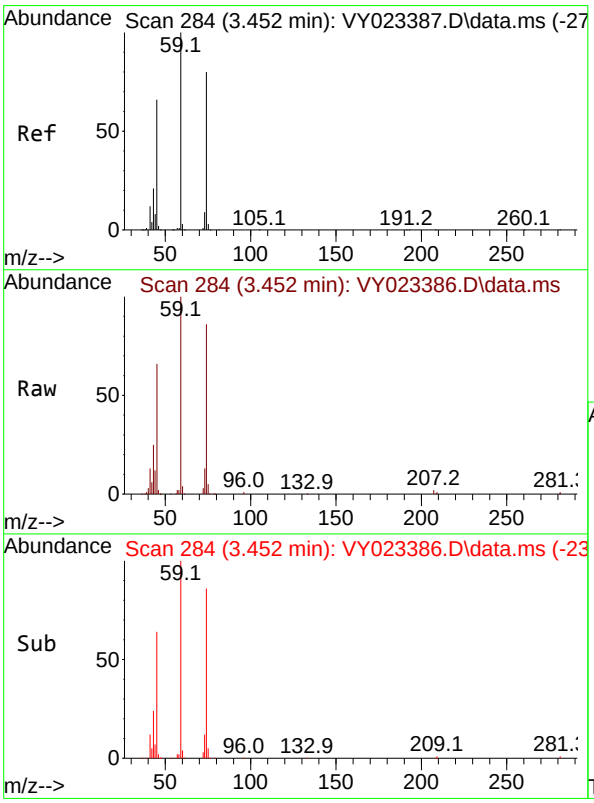
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

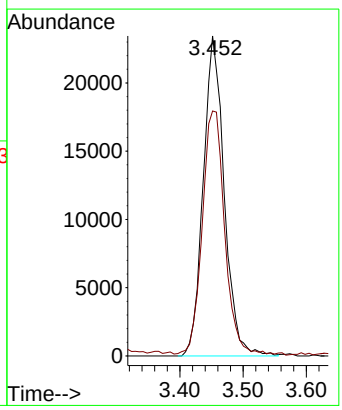
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

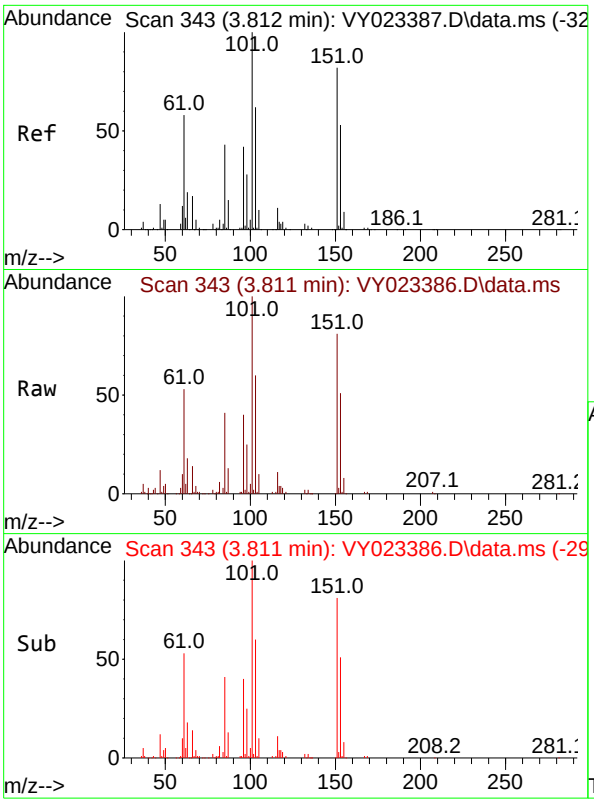


#8
Diethyl Ether
Concen: 19.837 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 74 Resp: 54124

Ion	Ratio	Lower	Upper
74	100		
45	80.6	39.9	119.7

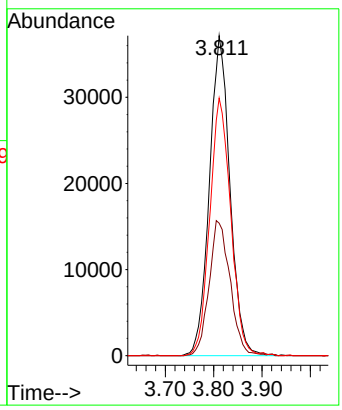




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.718 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:101 Resp: 10993

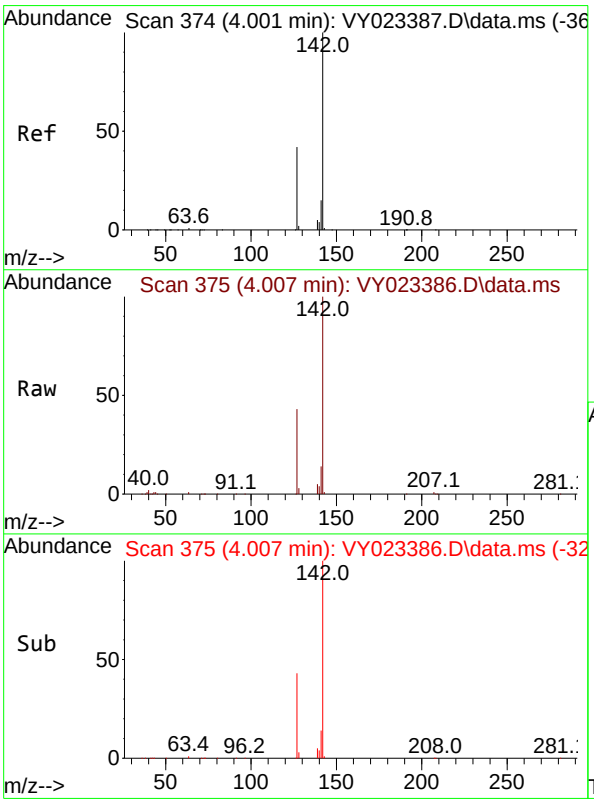
Ion	Ratio	Lower	Upper
101	100		
85	43.1	34.6	51.8
151	82.2	67.0	100.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

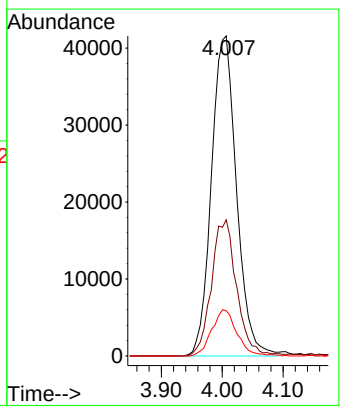
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

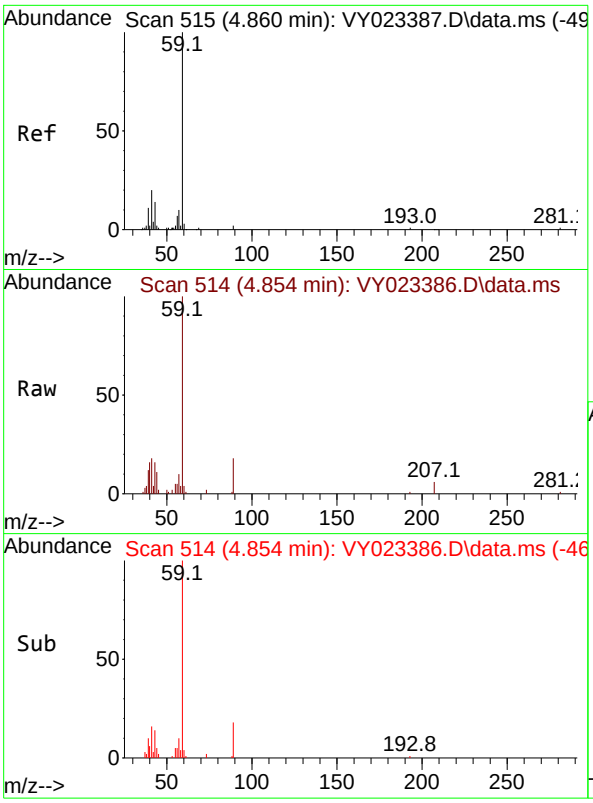


#10
Methyl Iodide
Concen: 18.482 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

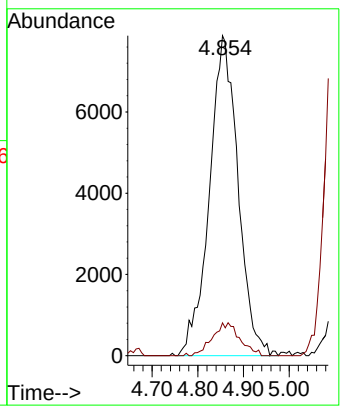




#11
Tert butyl alcohol
Concen: 117.345 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 59 Resp: 3434

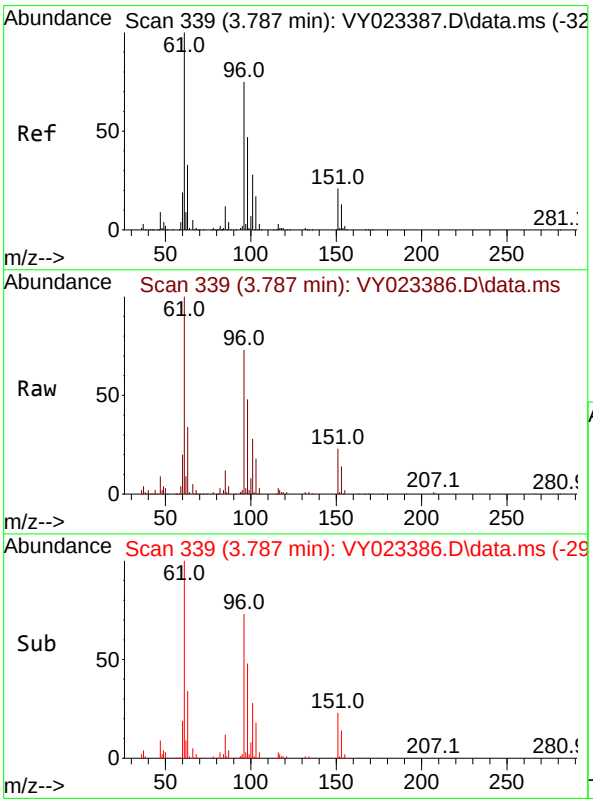
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

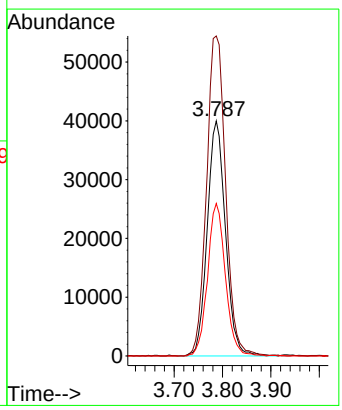
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

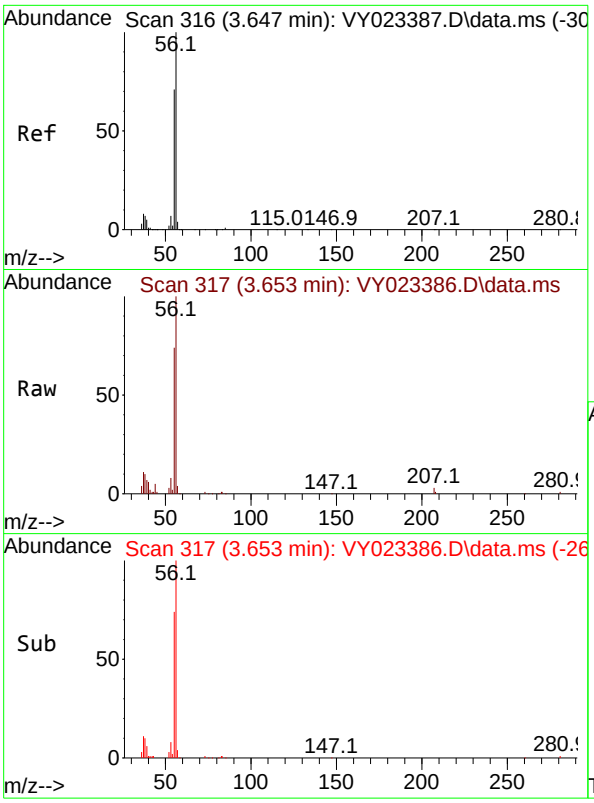


#12
1,1-Dichloroethene
Concen: 19.531 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

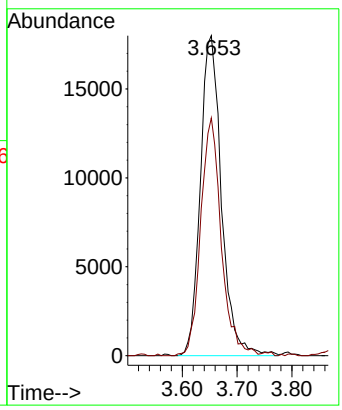




#13
Acrolein
Concen: 97.023 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 56 Resp: 4811

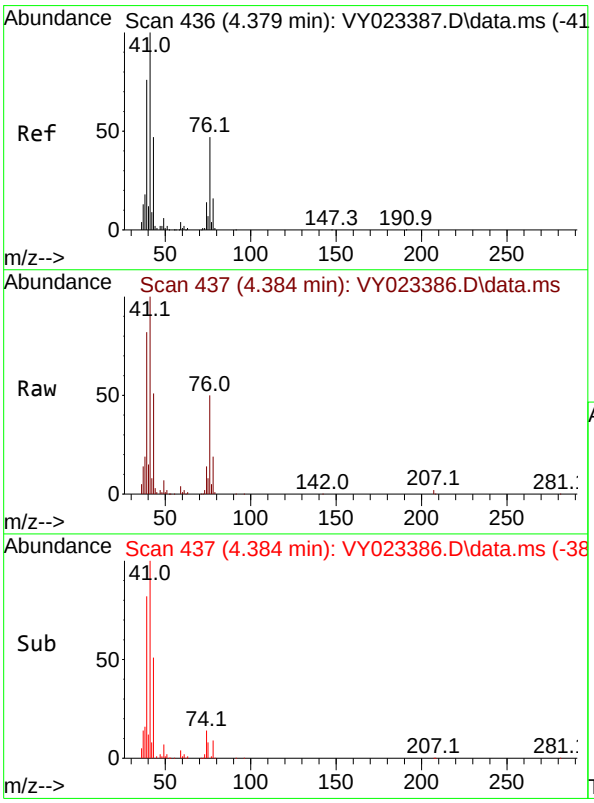
Ion	Ratio	Lower	Upper
56	100		
55	72.0	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

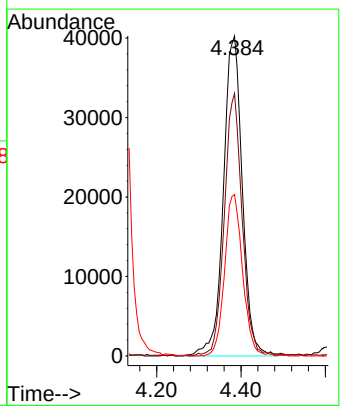
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

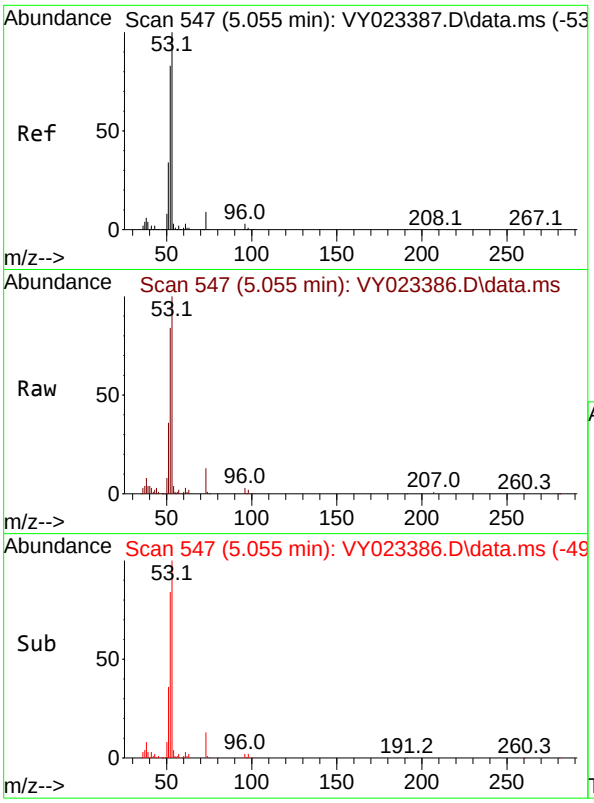


#14
Allyl chloride
Concen: 18.674 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

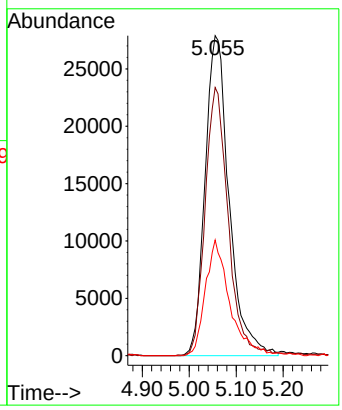




#15
Acrylonitrile
Concen: 92.641 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 53 Resp: 9901

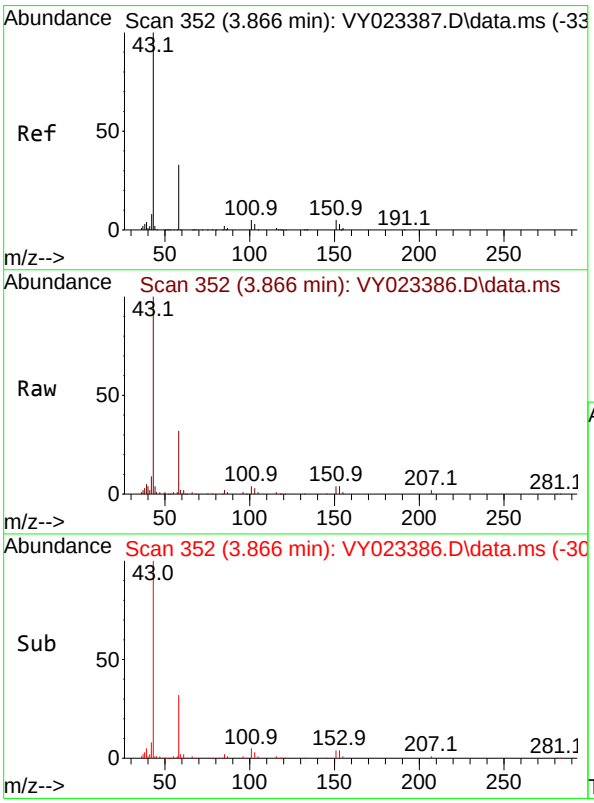
Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.6	97.0
51	36.6	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

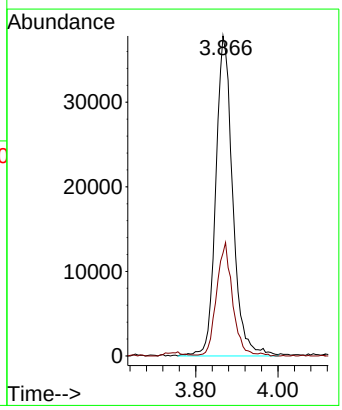
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

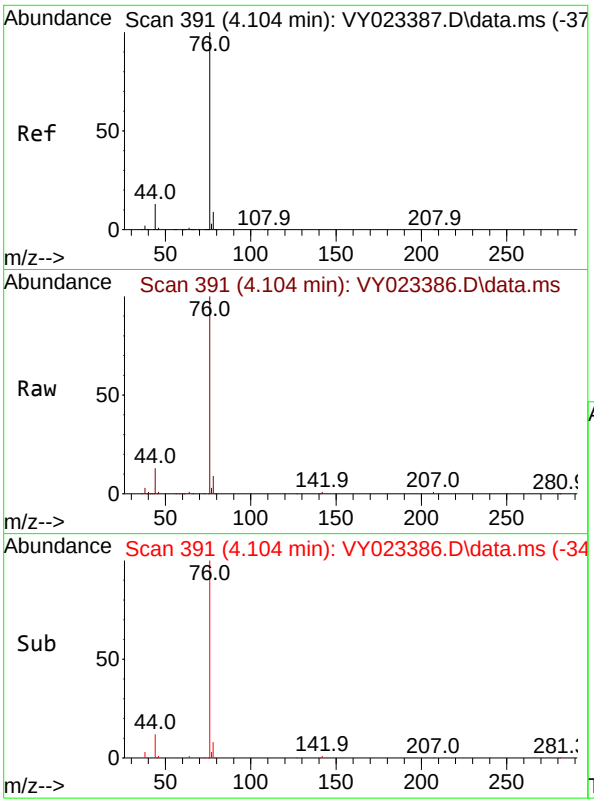


#16
Acetone
Concen: 96.742 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 108209

Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.7	41.5

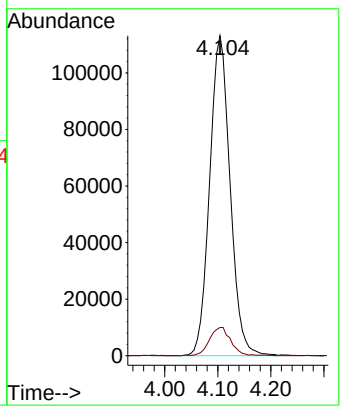




#17
Carbon Disulfide
Concen: 18.121 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 76 Resp: 30328

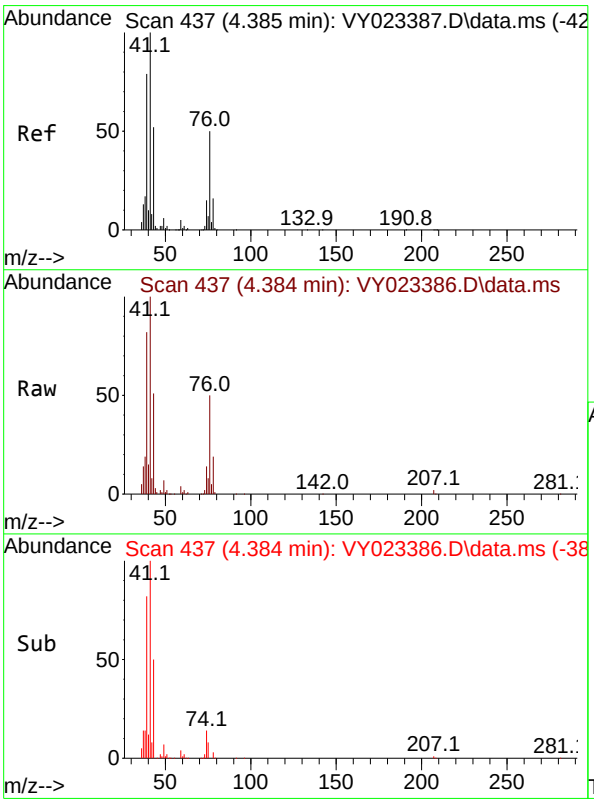
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

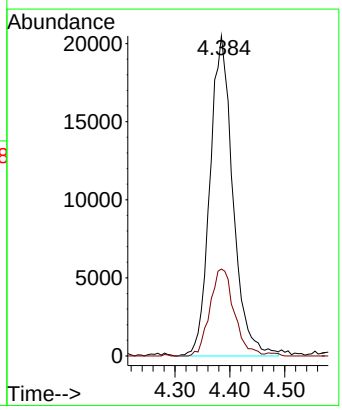
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

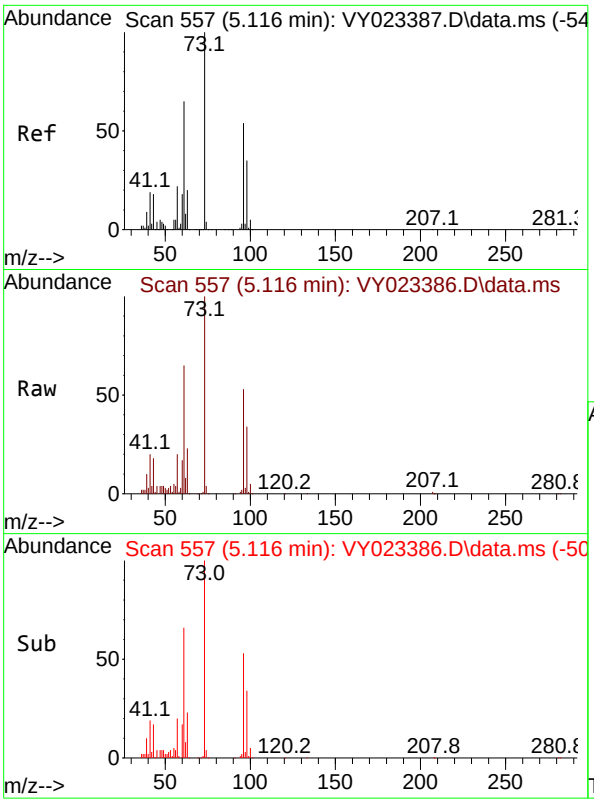


#18
Methyl Acetate
Concen: 21.002 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 59704

Ion	Ratio	Lower	Upper
43	100		
74	28.7	24.2	36.4

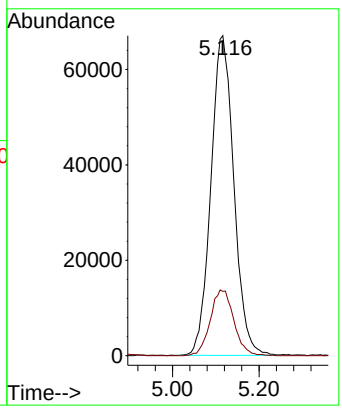




#19
Methyl tert-butyl Ether
Concen: 19.667 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 73 Resp: 24703

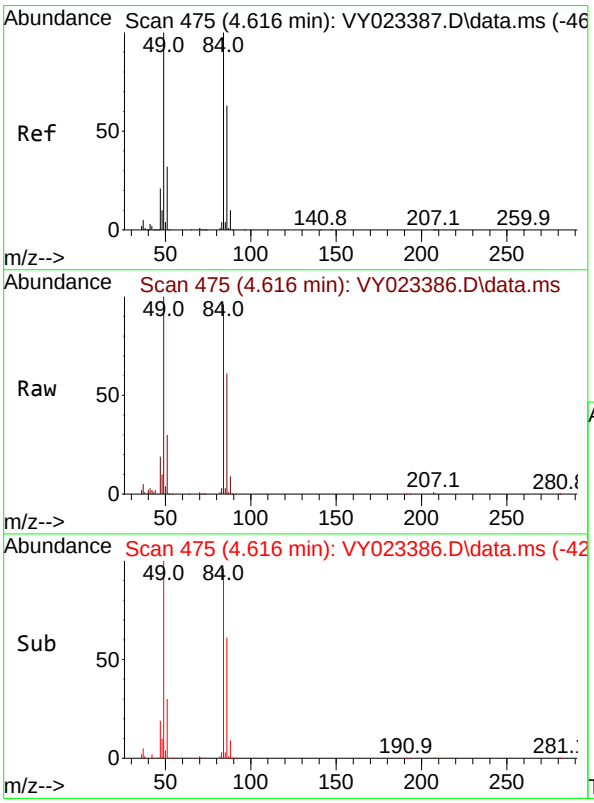
Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

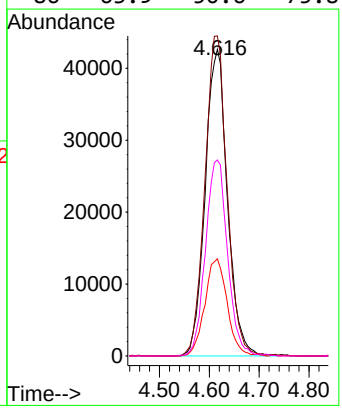
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

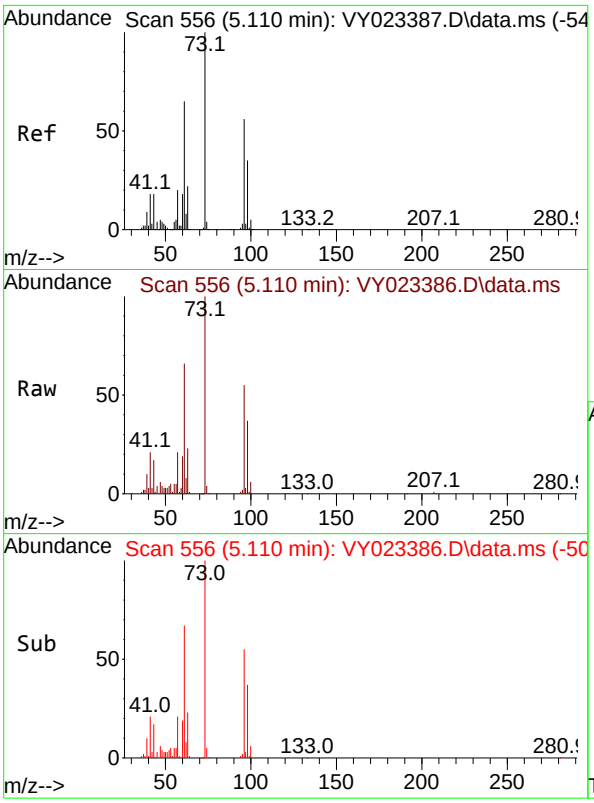


#20
Methylene Chloride
Concen: 21.801 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

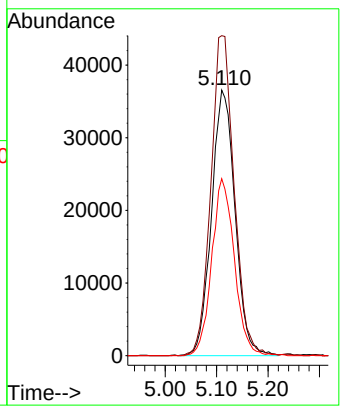
Tgt Ion: 96 Resp: 11641

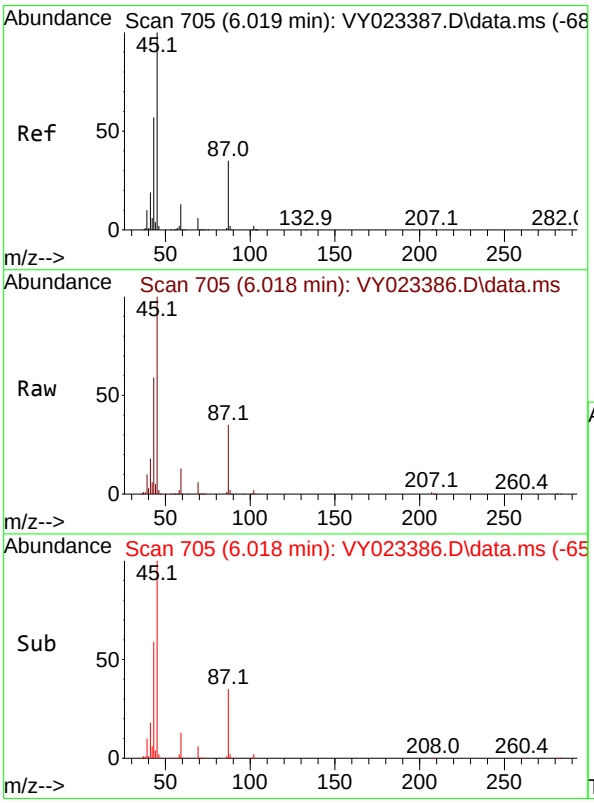
Ion	Ratio	Lower	Upper
96	100		
61	120.5	92.7	139.1
98	66.7	49.7	74.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

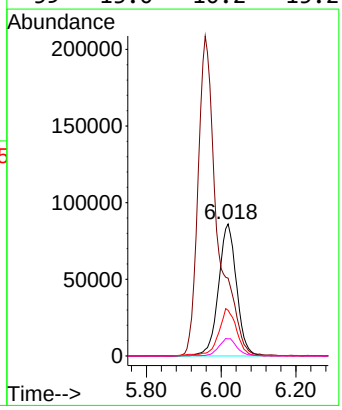


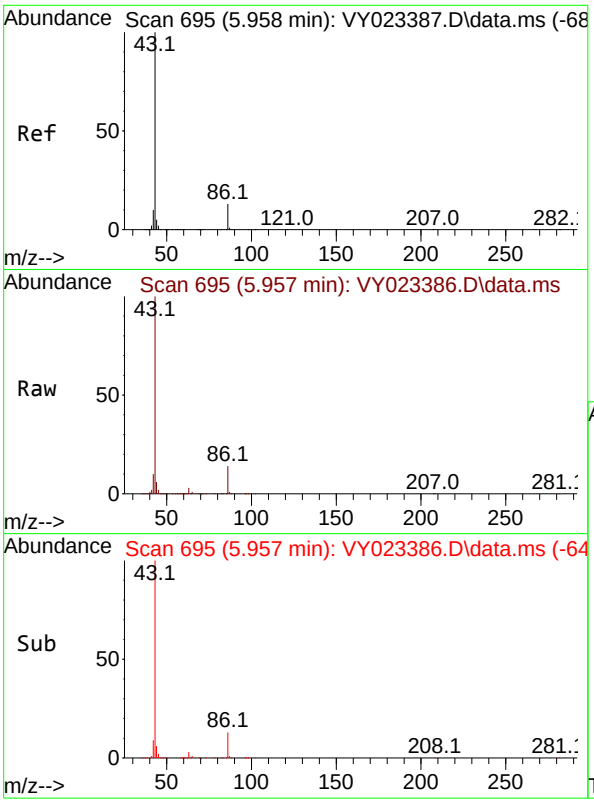


#22
Diisopropyl ether
Concen: 19.366 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

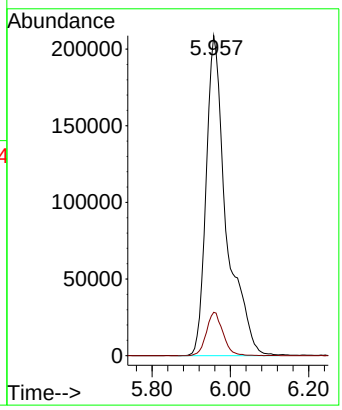




#23
Vinyl Acetate
Concen: 91.373 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 74804

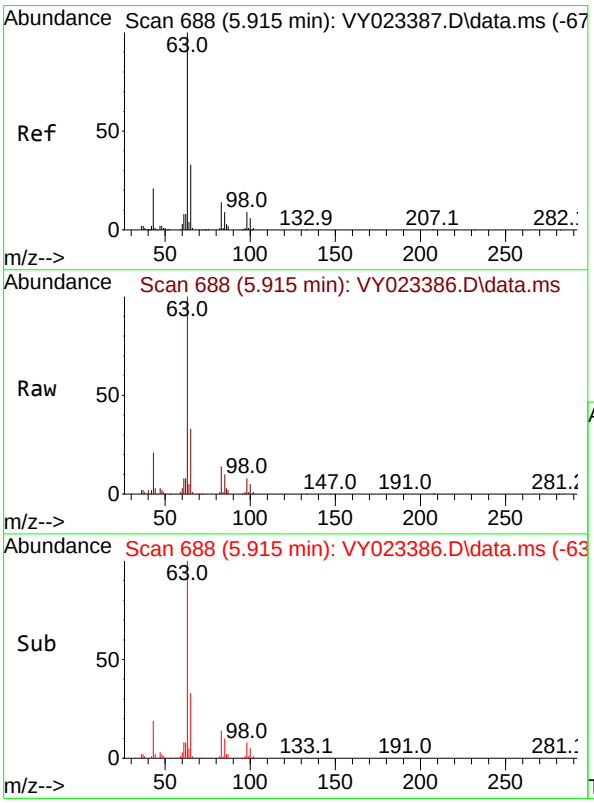
Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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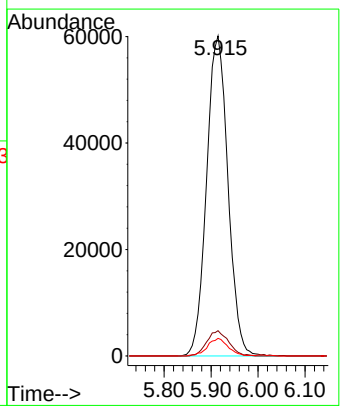
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

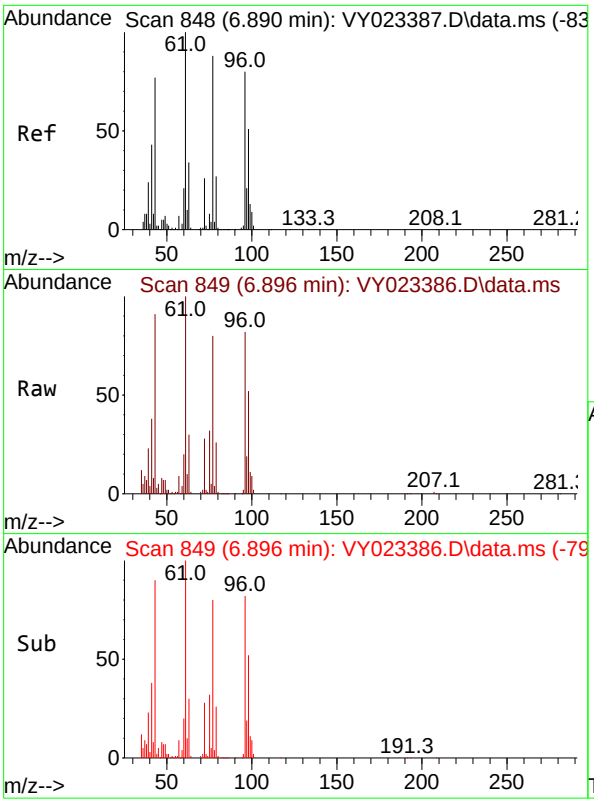


#24
1,1-Dichloroethane
Concen: 19.354 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

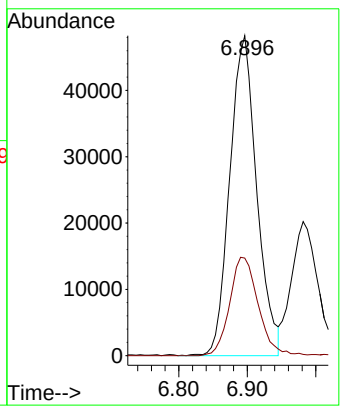




#25
2-Butanone
Concen: 95.593 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 13215

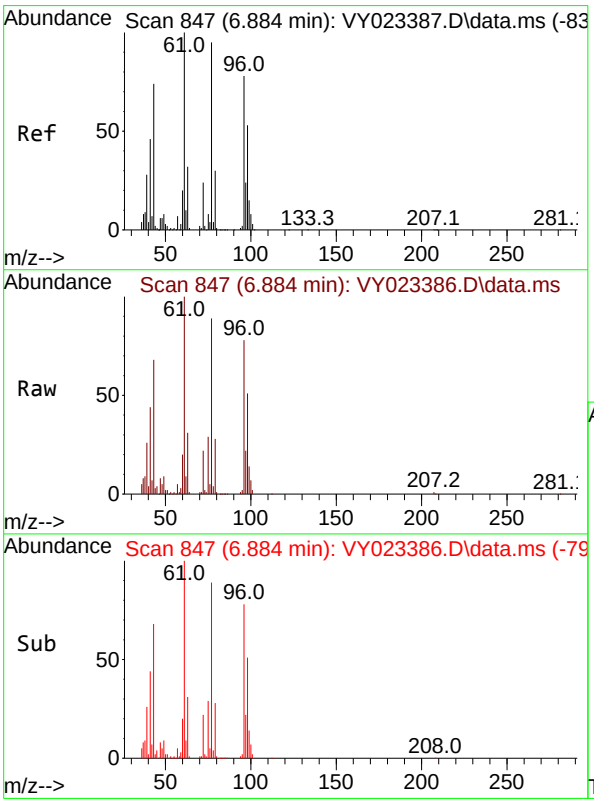
Ion	Ratio	Lower	Upper
43	100		
72	30.5	27.4	41.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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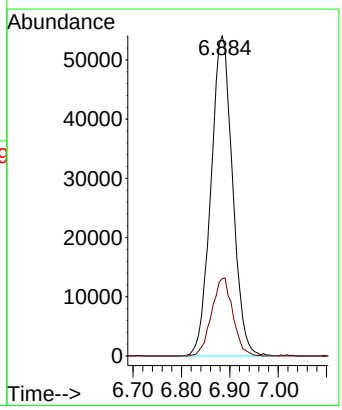
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

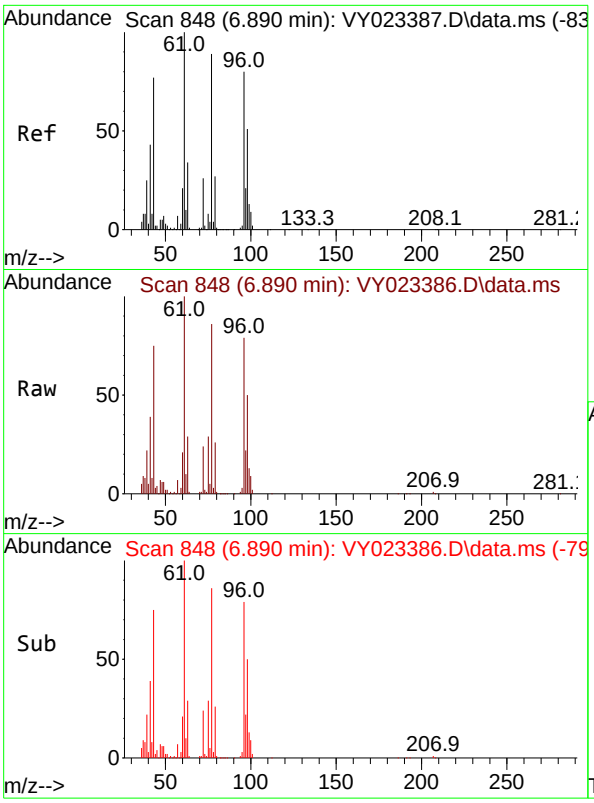


#26
2,2-Dichloropropane
Concen: 19.247 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

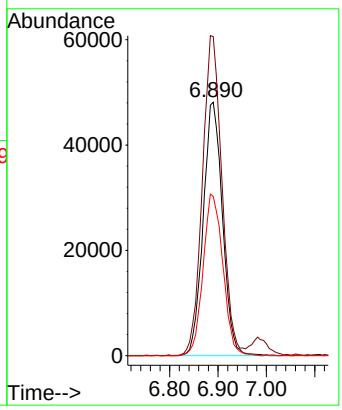
Tgt Ion: 96 Resp: 13363

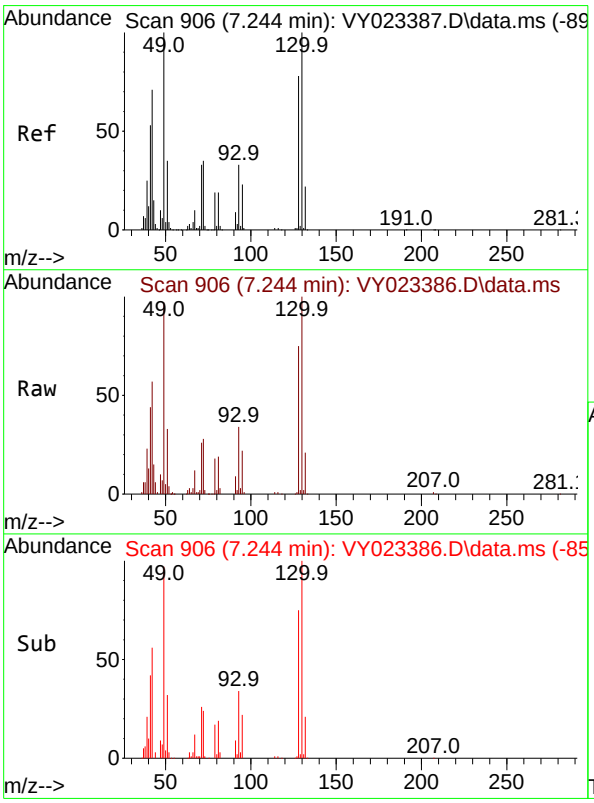
Ion	Ratio	Lower	Upper
96	100		
61	128.1	0.0	258.2
98	65.3	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

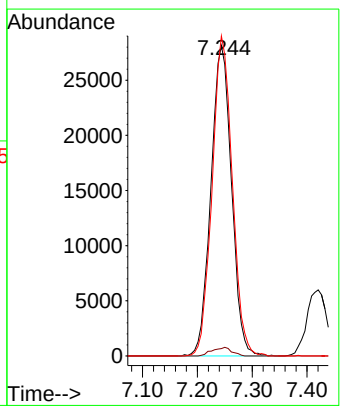


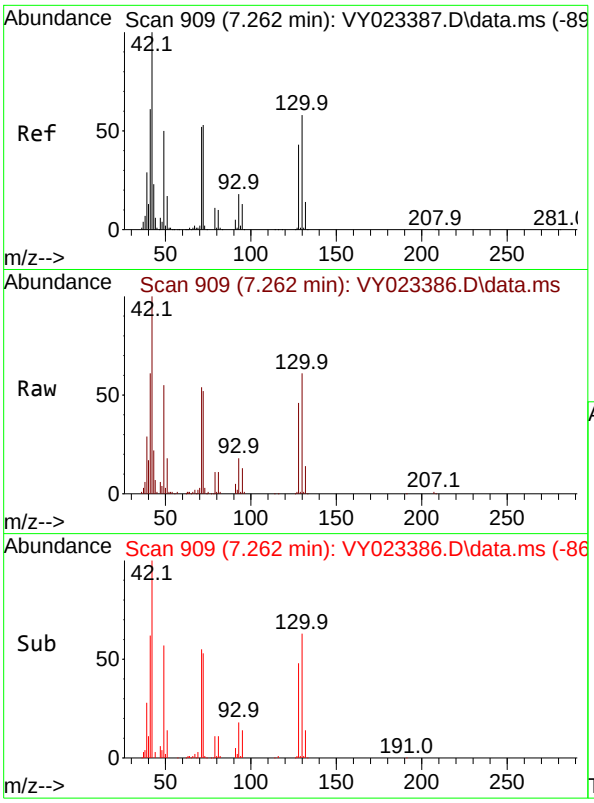


#28
Bromochloromethane
Concen: 19.273 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

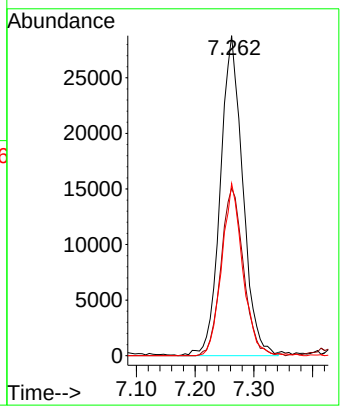




#29
Tetrahydrofuran
Concen: 93.229 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 42 Resp: 7650

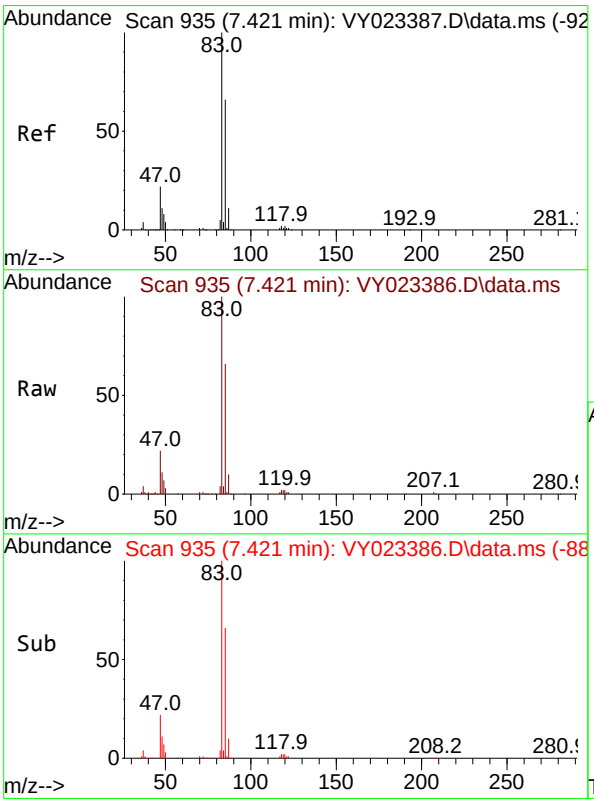
Ion	Ratio	Lower	Upper
42	100		
72	52.7	43.0	64.6
71	50.6	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

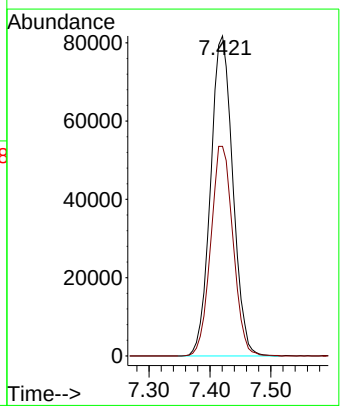
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

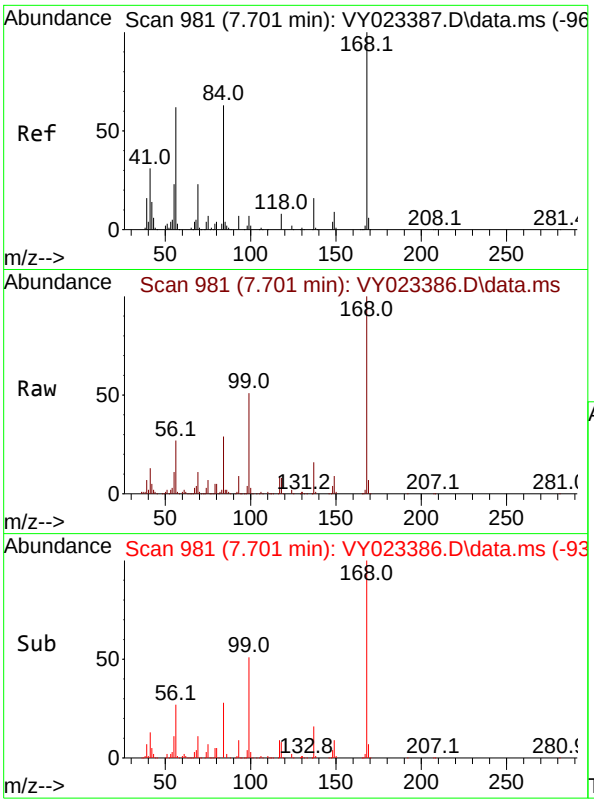


#30
Chloroform
Concen: 19.562 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 207096

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7

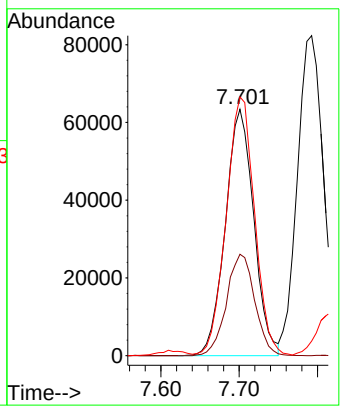




#31
Cyclohexane
Concen: 18.472 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 56 Resp: 16015

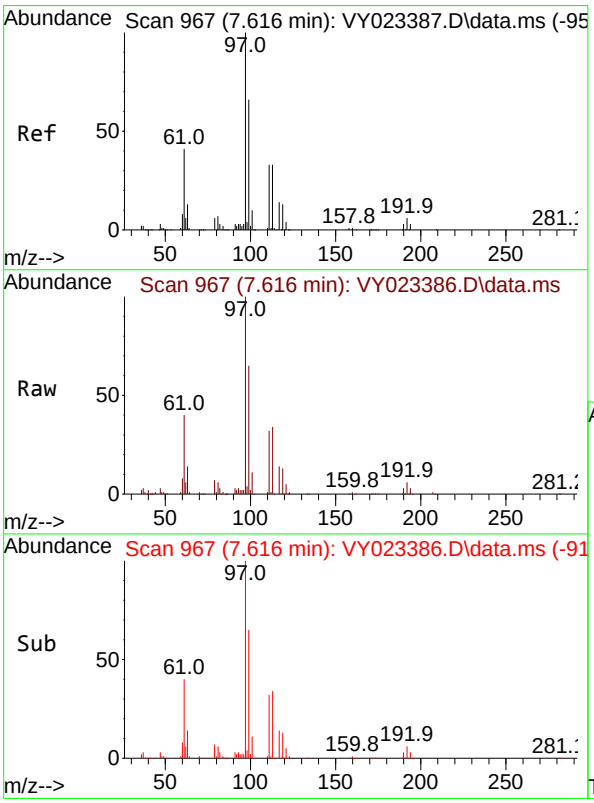
Ion	Ratio	Lower	Upper
56	100		
69	41.2	30.0	45.0
84	103.3	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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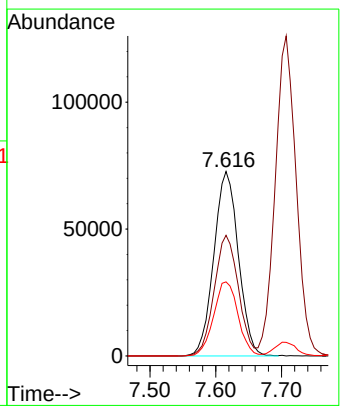
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

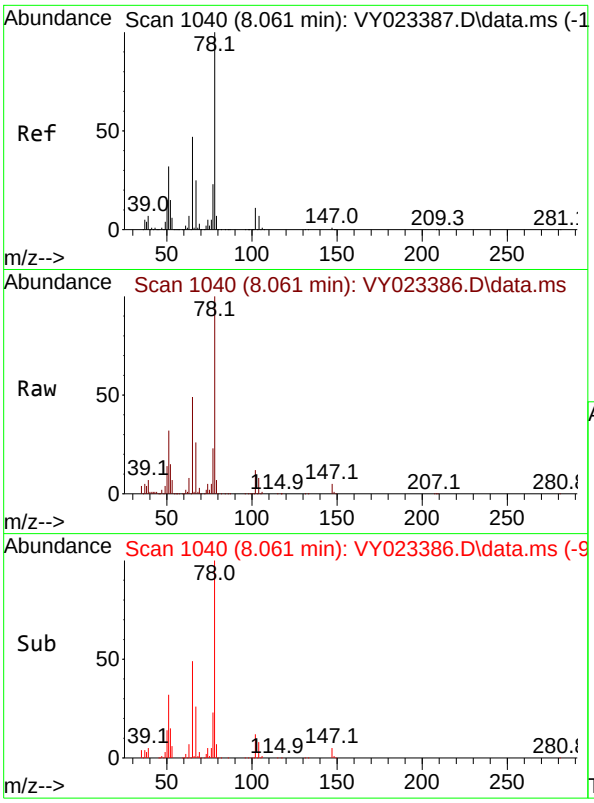


#32
1,1,1-Trichloroethane
Concen: 19.873 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

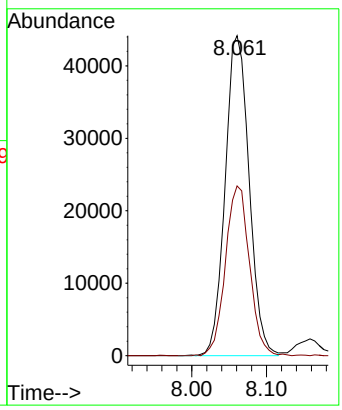




#33
1,2-Dichloroethane-d4
Concen: 19.798 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 65 Resp: 9848

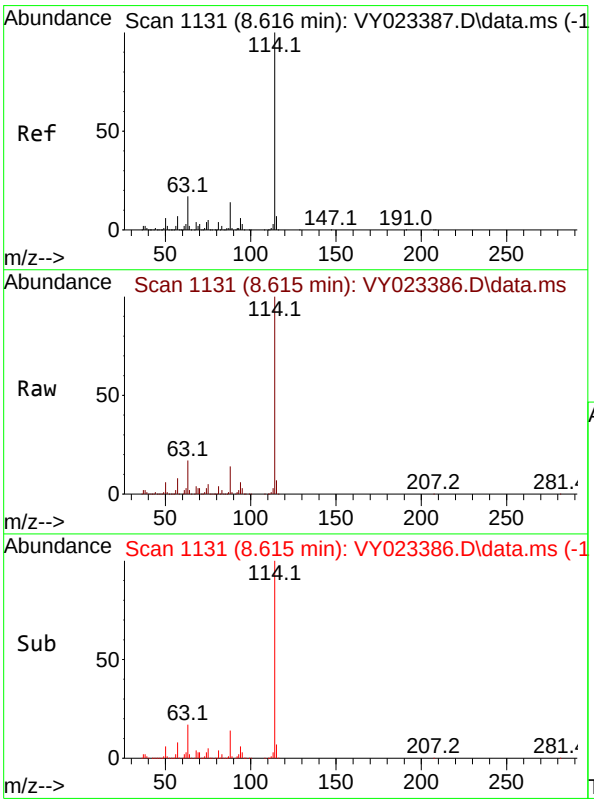
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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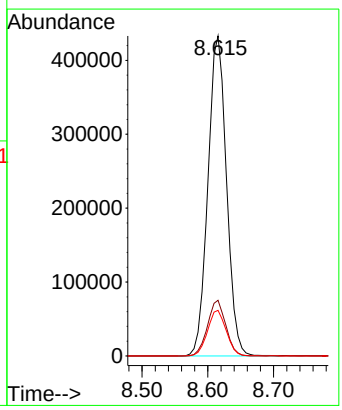
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

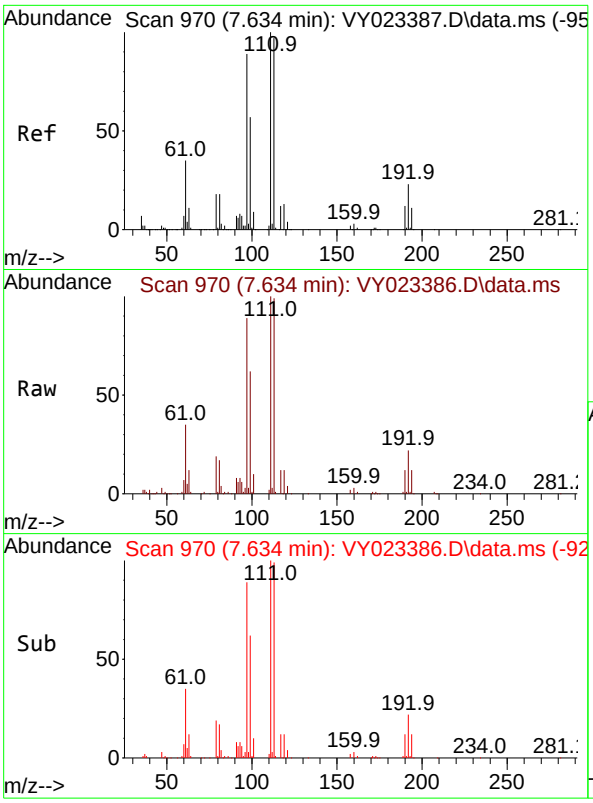


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

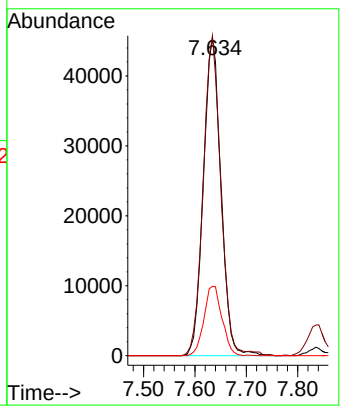




#35
Dibromofluoromethane
Concen: 20.895 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:113 Resp: 10803

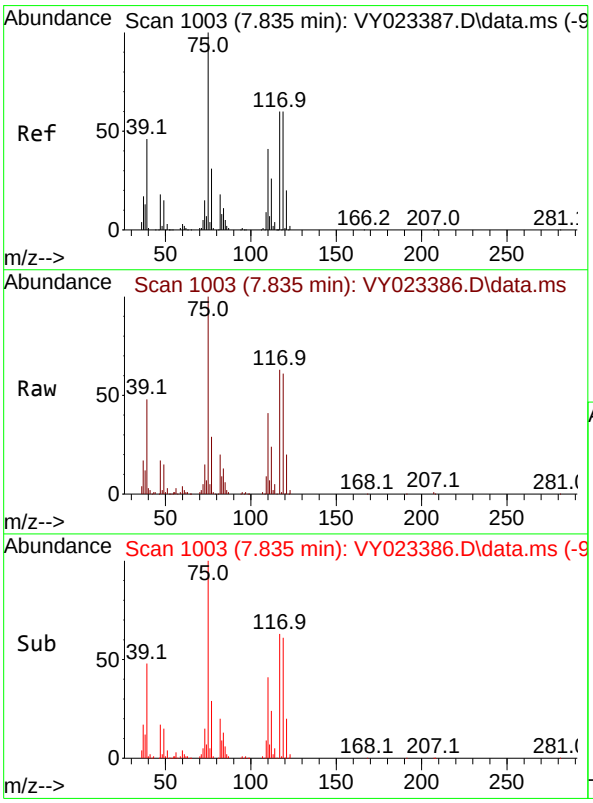
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.8	122.6
192	22.3	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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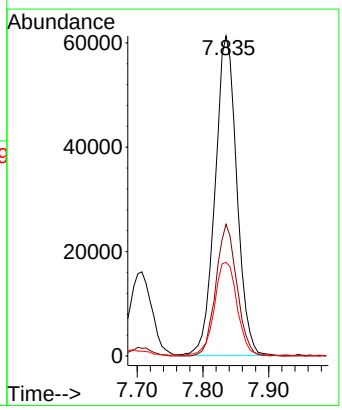
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

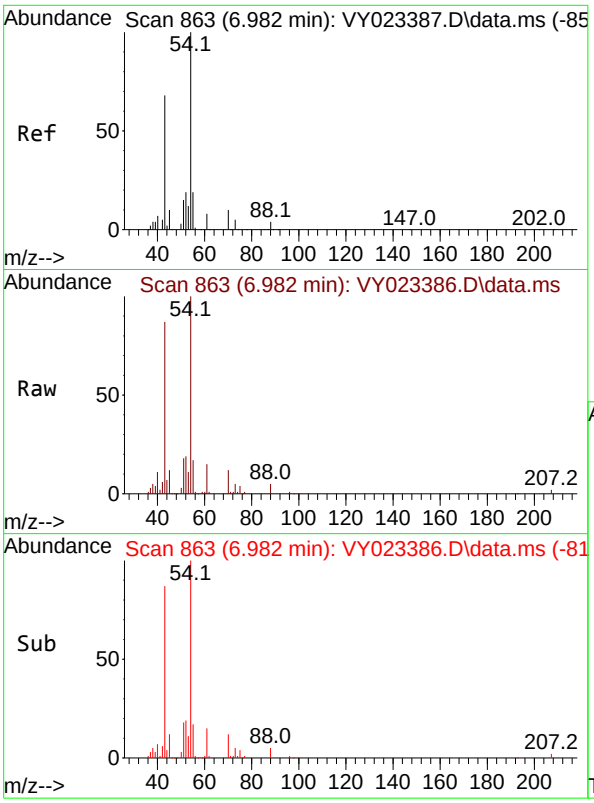


#36
1,1-Dichloropropene
Concen: 19.317 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

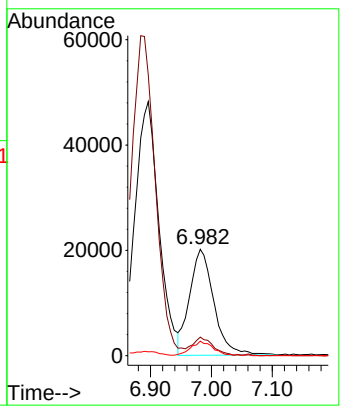
Tgt Ion: 43 Resp: 5570

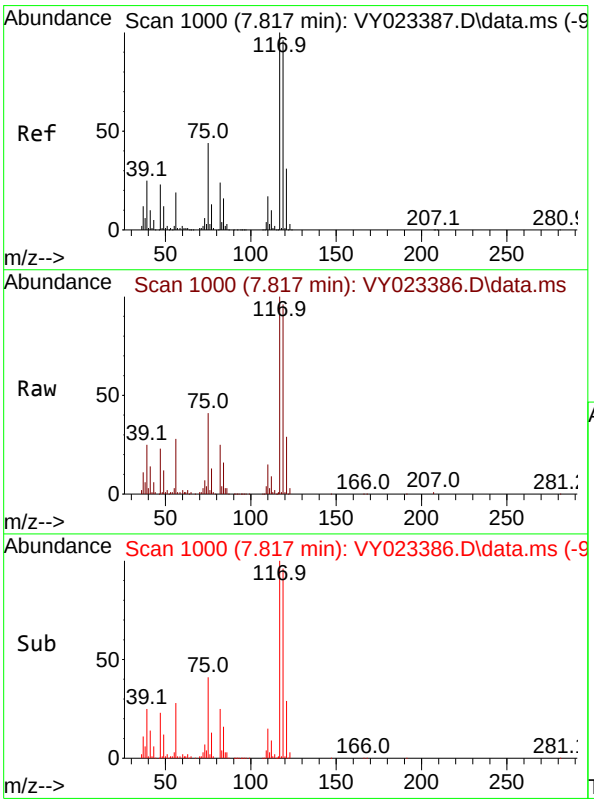
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.8
70	12.7	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

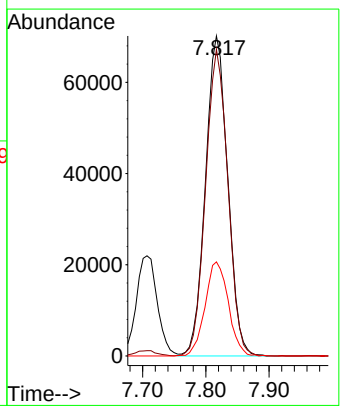


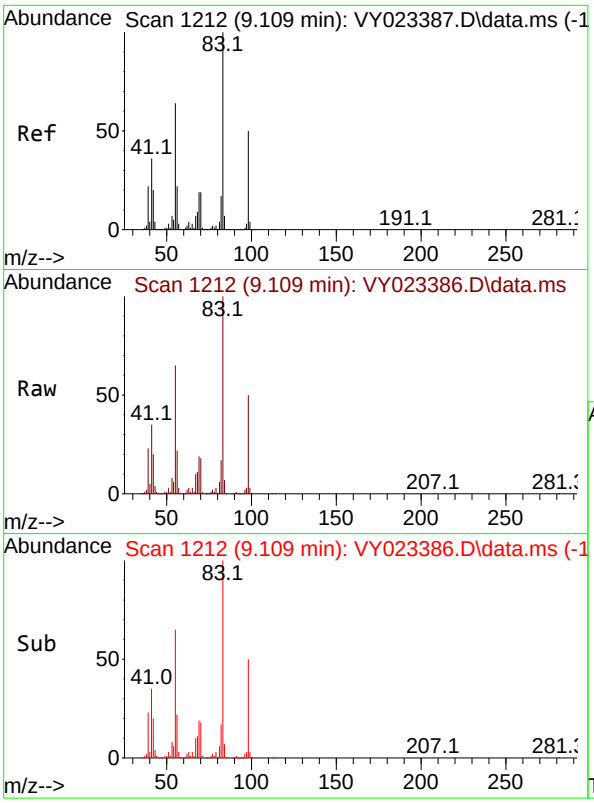


#38
Carbon Tetrachloride
Concen: 20.289 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

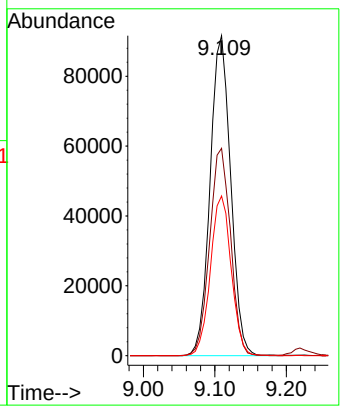




#39
Methylcyclohexane
Concen: 19.576 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 18283

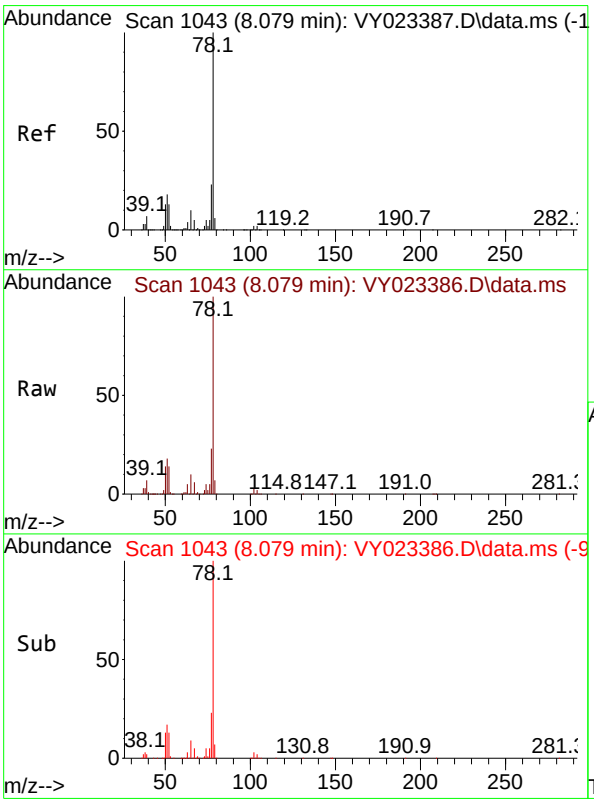
Ion	Ratio	Lower	Upper
83	100		
55	64.8	51.4	77.2
98	49.9	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

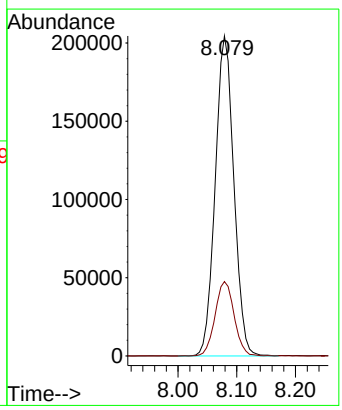
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

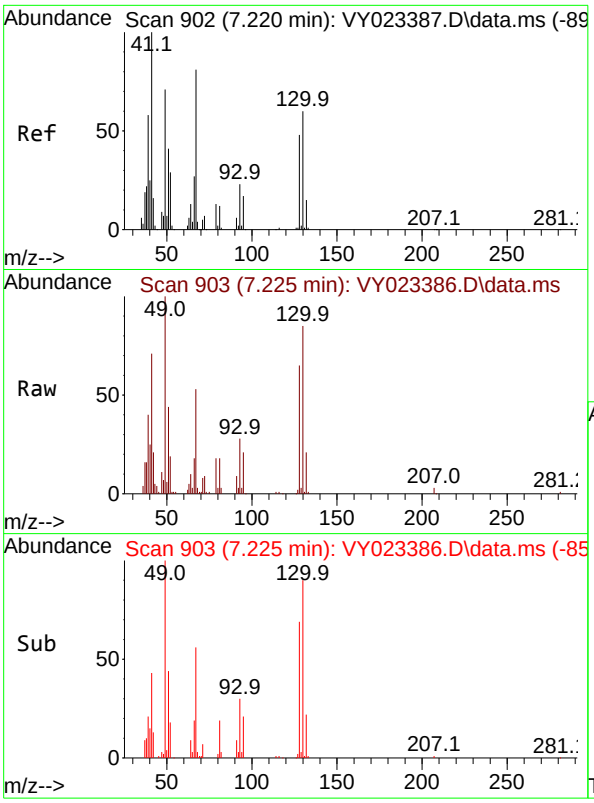


#40
Benzene
Concen: 19.809 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 78 Resp: 450471

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5

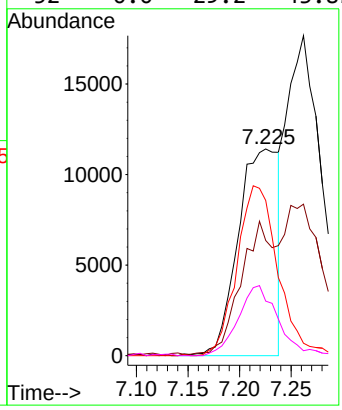




#41
Methacrylonitrile
Concen: 20.783 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 41 Resp: 3112

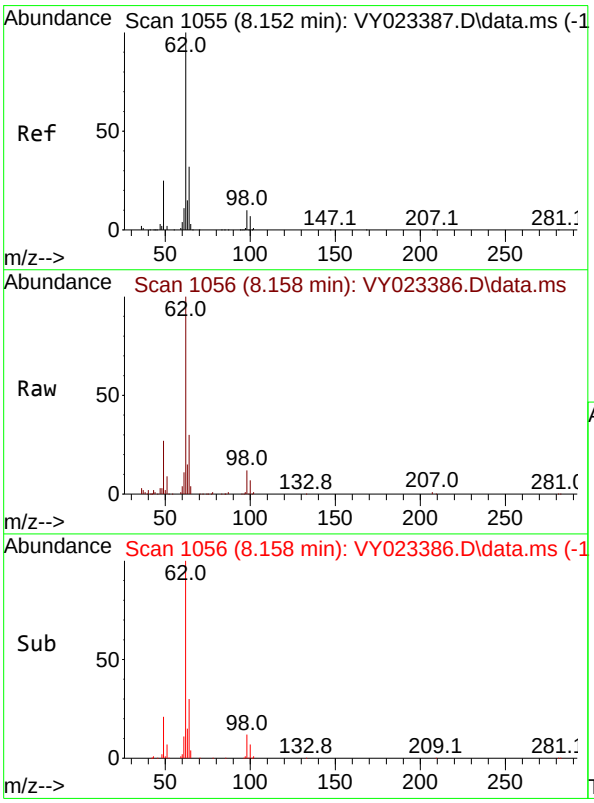
Ion	Ratio	Lower	Upper
41	100		
39	68.6	52.2	78.4
67	0.0	74.9	112.3#
52	0.0	29.2	43.8#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

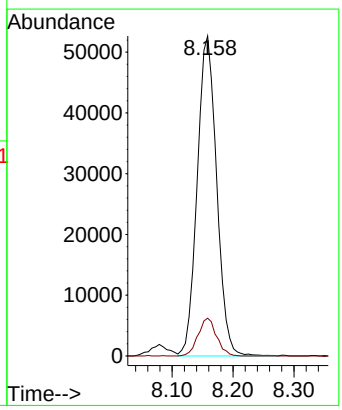
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

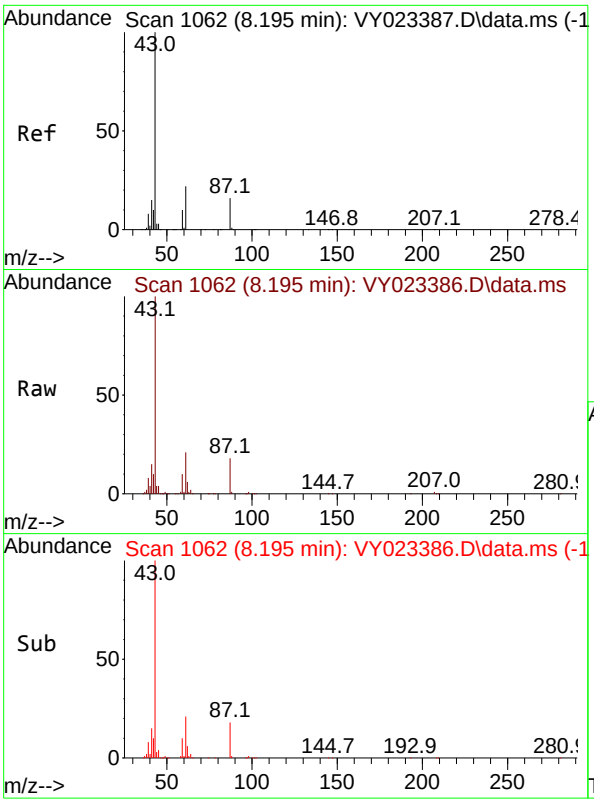


#42
1,2-Dichloroethane
Concen: 20.206 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 62 Resp: 116941

Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.6

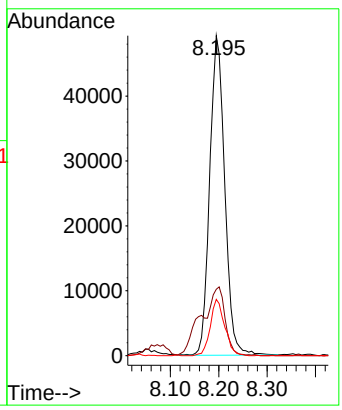




#43
Isopropyl Acetate
Concen: 19.002 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 10659

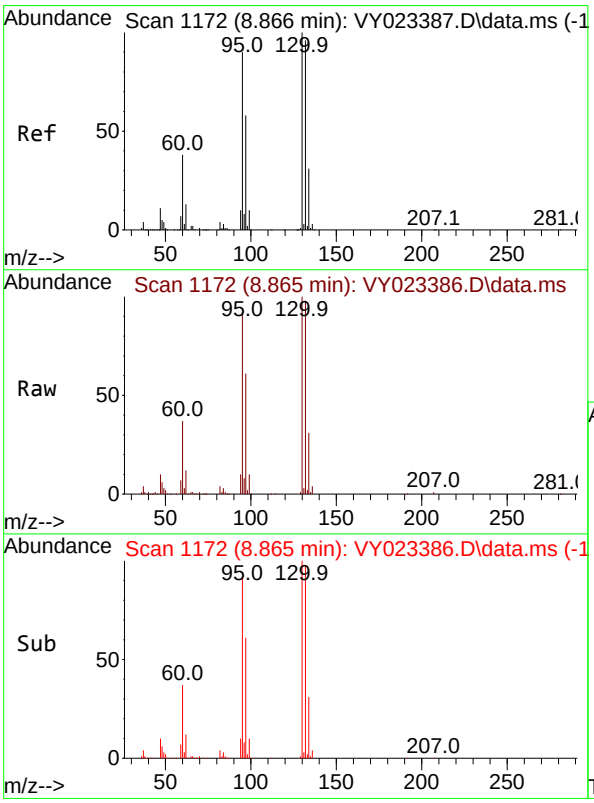
Ion	Ratio	Lower	Upper
43	100		
61	33.1	18.1	27.1
87	16.9	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

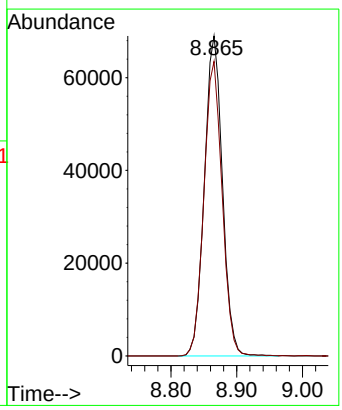
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

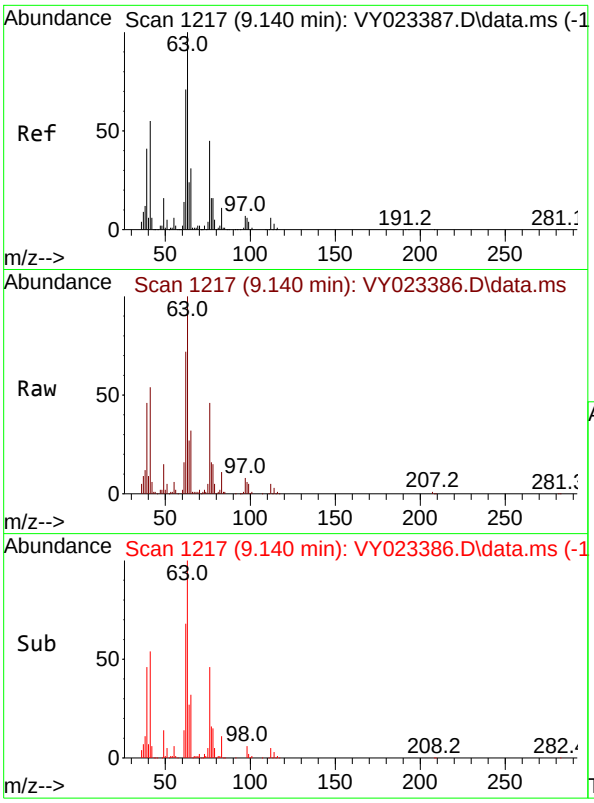


#44
Trichloroethene
Concen: 20.598 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:130 Resp: 131459

Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	180.6

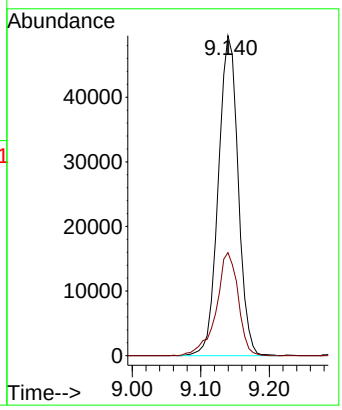




#45
1,2-Dichloropropane
Concen: 19.417 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 63 Resp: 9936

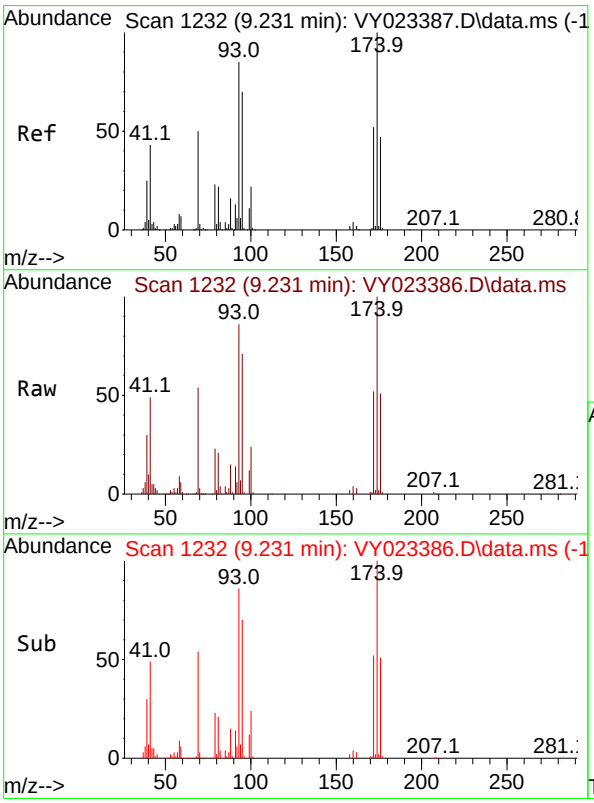
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

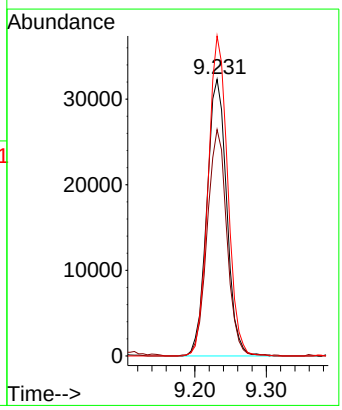
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

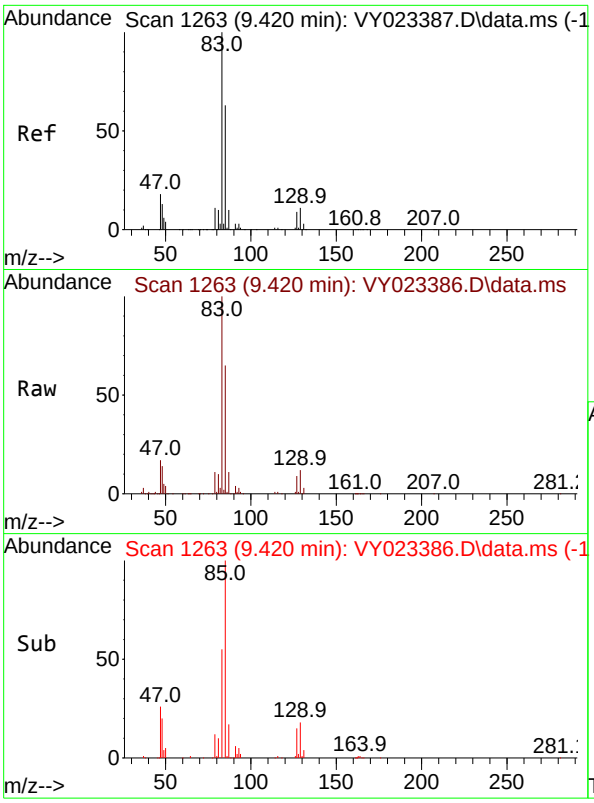


#46
Dibromomethane
Concen: 19.896 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

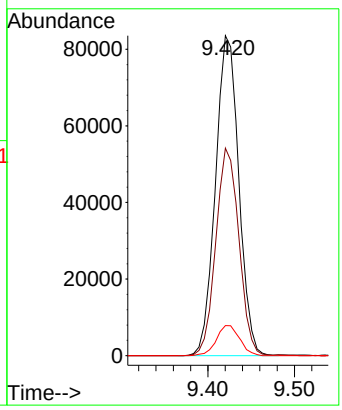




#47
Bromodichloromethane
Concen: 19.854 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 15642

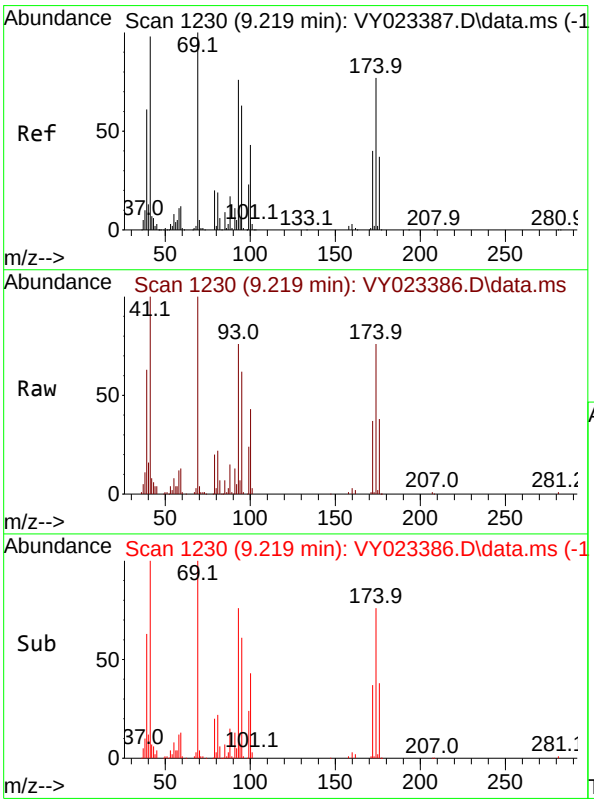
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.8	76.2
127	9.4	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

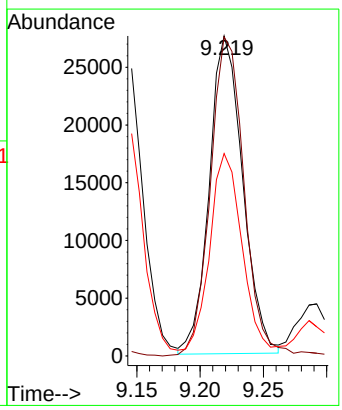
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

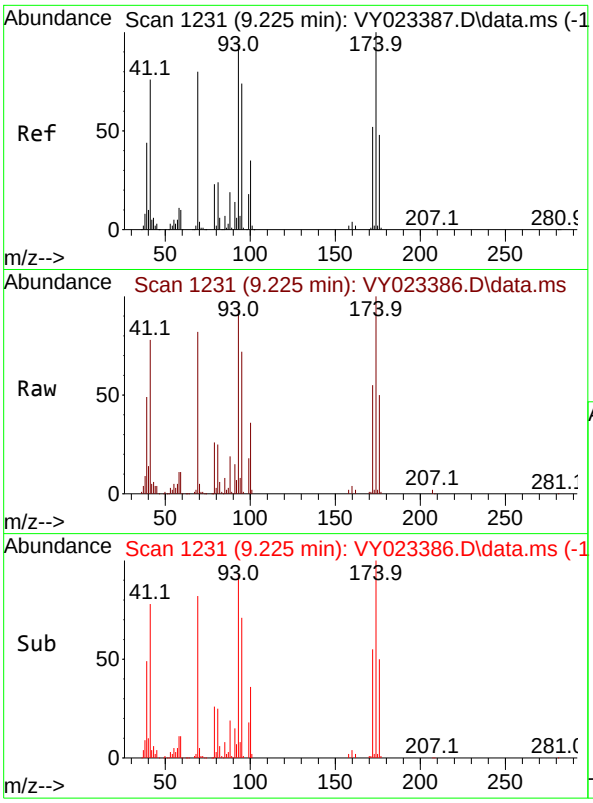


#48
Methyl methacrylate
Concen: 19.352 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

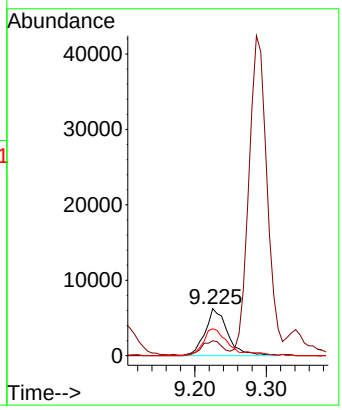




#49
1,4-Dioxane
Concen: 420.712 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 88 Resp: 1363

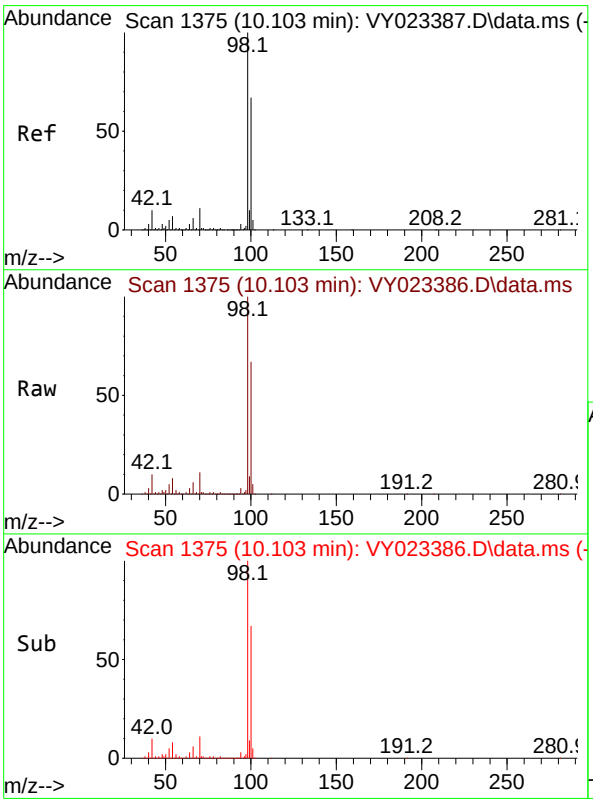
Ion	Ratio	Lower	Upper
88	100		
43	28.9	21.8	32.8
58	58.1	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

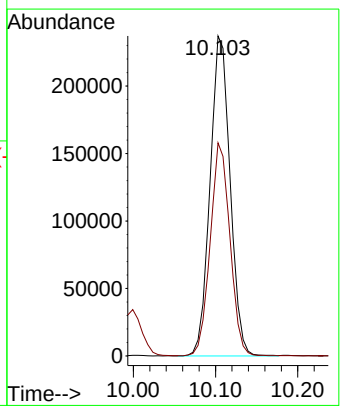
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

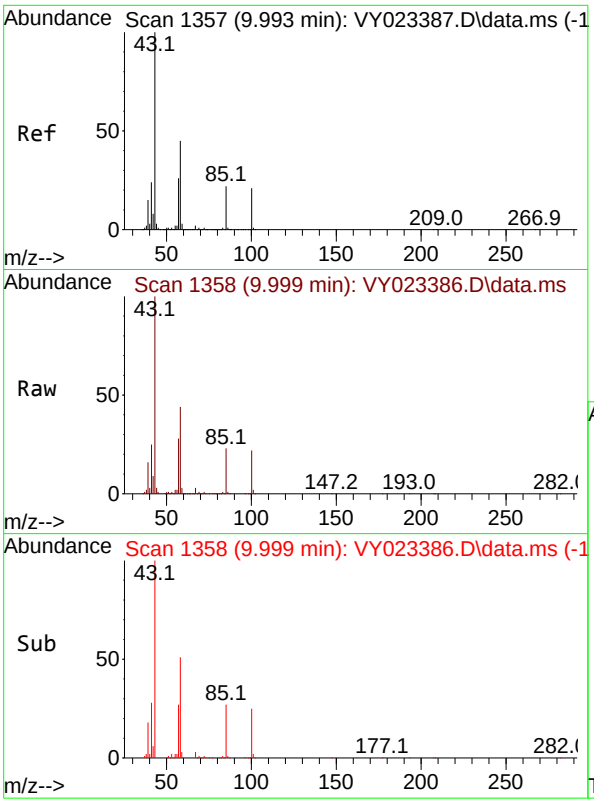


#50
Toluene-d8
Concen: 20.568 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 98 Resp: 401067

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

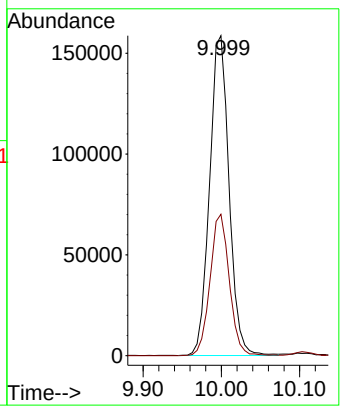




#51
4-Methyl-2-Pentanone
Concen: 95.378 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 43 Resp: 27405

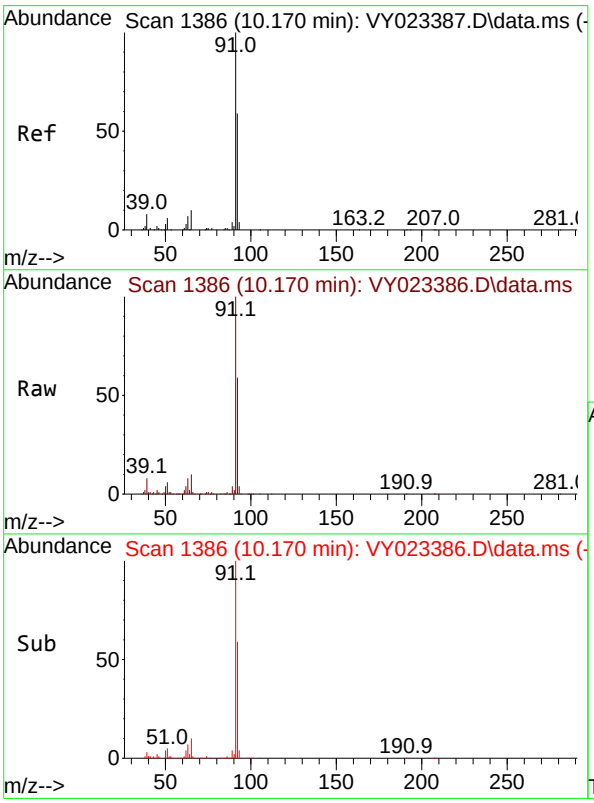
Ion	Ratio	Lower	Upper
43	100		
58	43.8	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

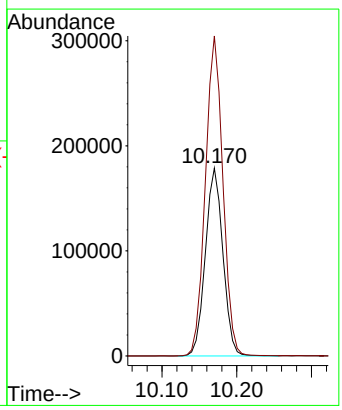
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

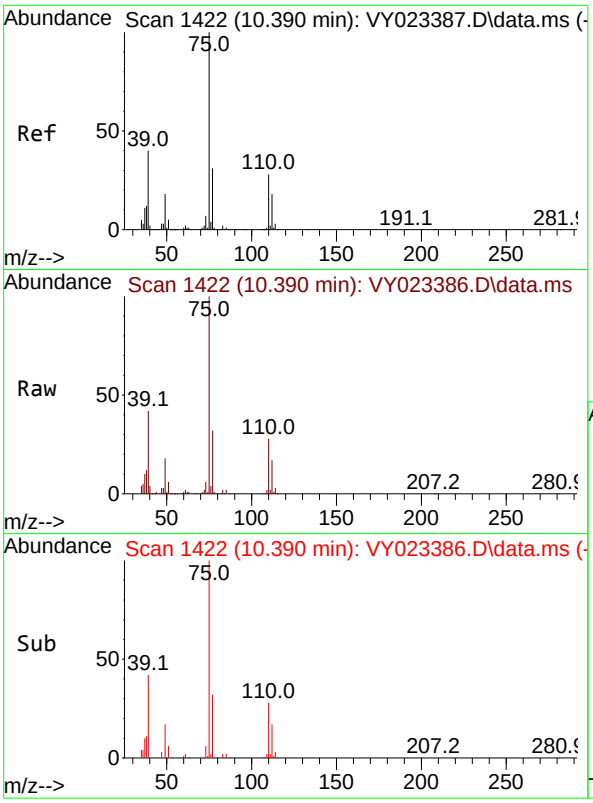


#52
Toluene
Concen: 20.191 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 92 Resp: 291453

Ion	Ratio	Lower	Upper
92	100		
91	170.0	136.4	204.6

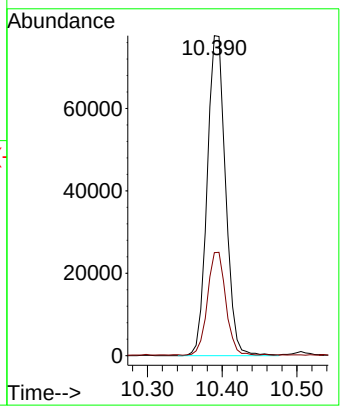




#53
t-1,3-Dichloropropene
Concen: 19.632 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 13284

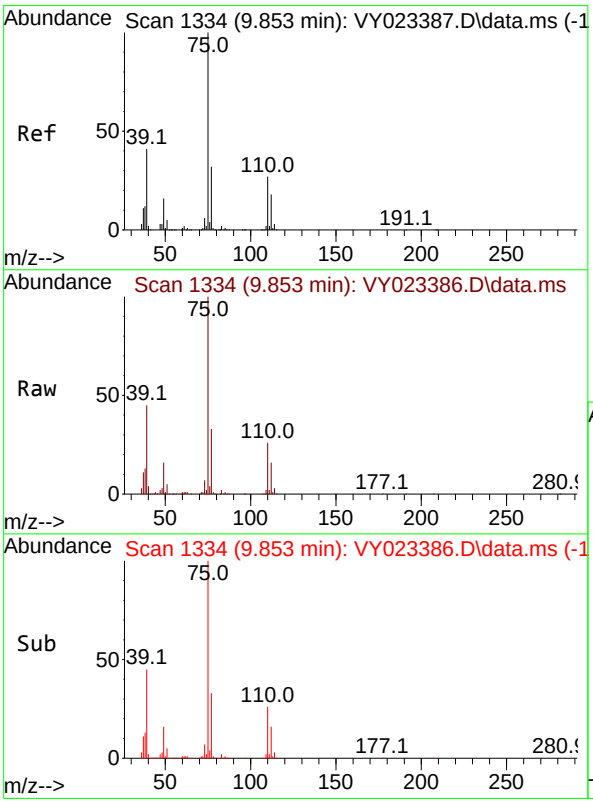
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

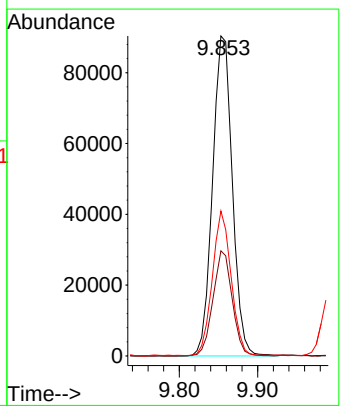
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

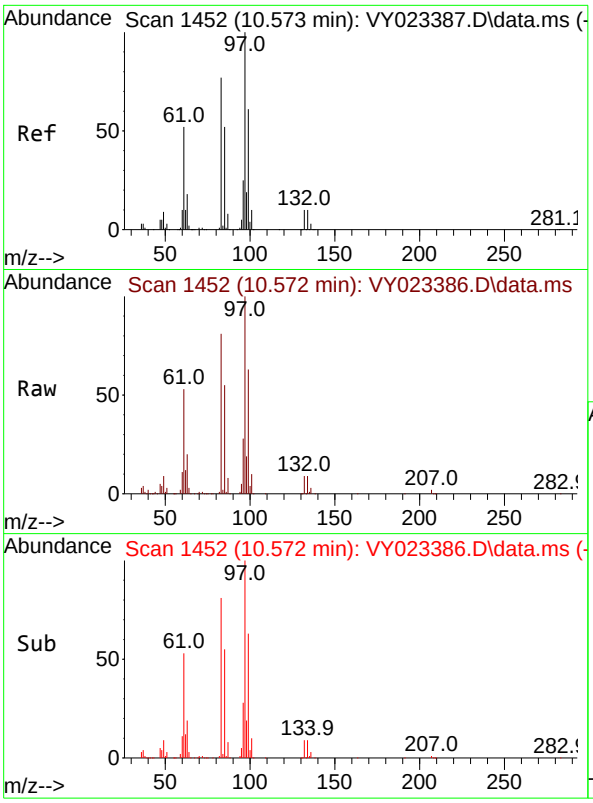


#54
cis-1,3-Dichloropropene
Concen: 19.606 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

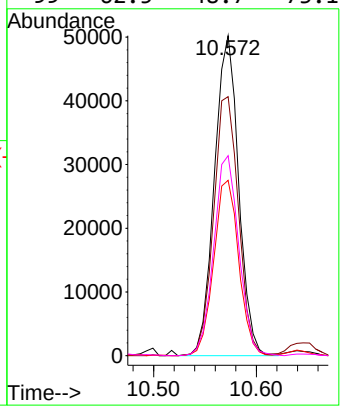




#55
1,1,2-Trichloroethane
Concen: 19.740 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 97 Resp: 8218

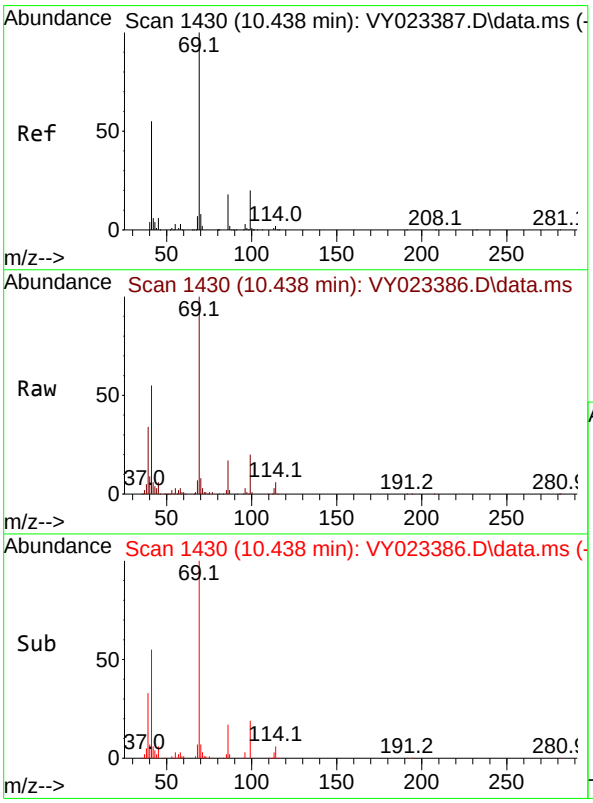
Ion	Ratio	Lower	Upper
97	100		
83	80.9	61.8	92.6
85	54.8	41.3	61.9
99	62.5	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

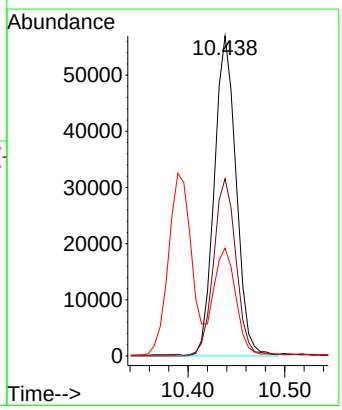
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

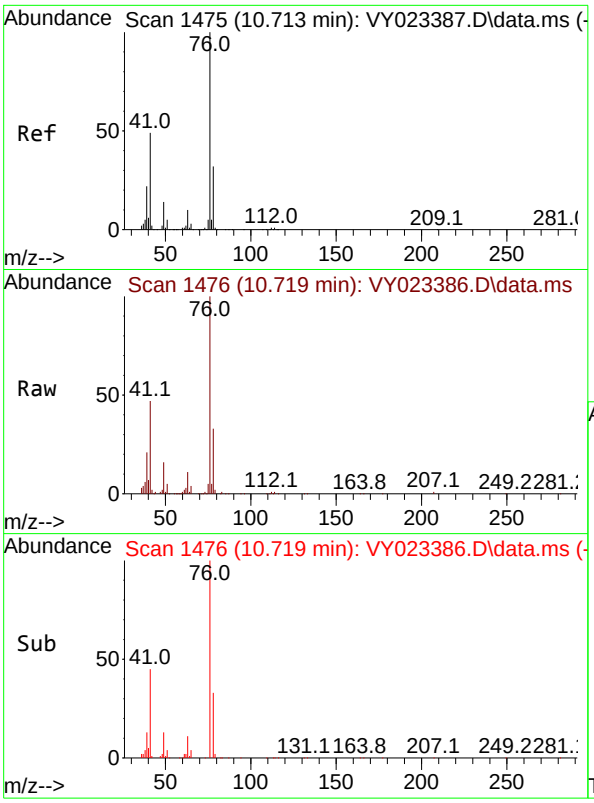


#56
Ethyl methacrylate
Concen: 18.613 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

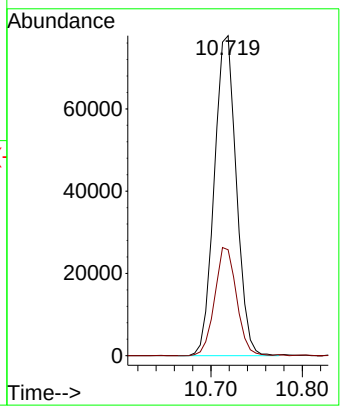




#57
1,3-Dichloropropane
Concen: 19.389 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 76 Resp: 13065(

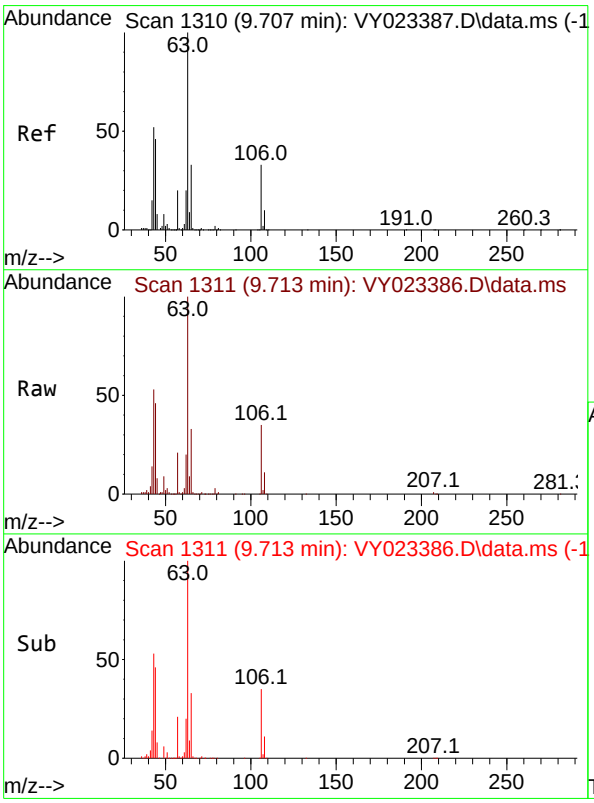
Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

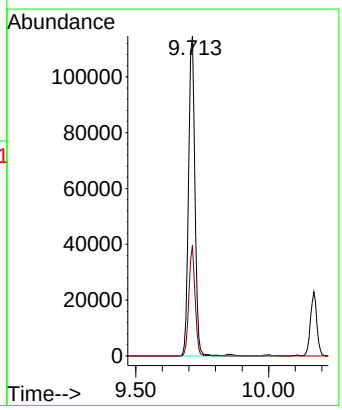
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

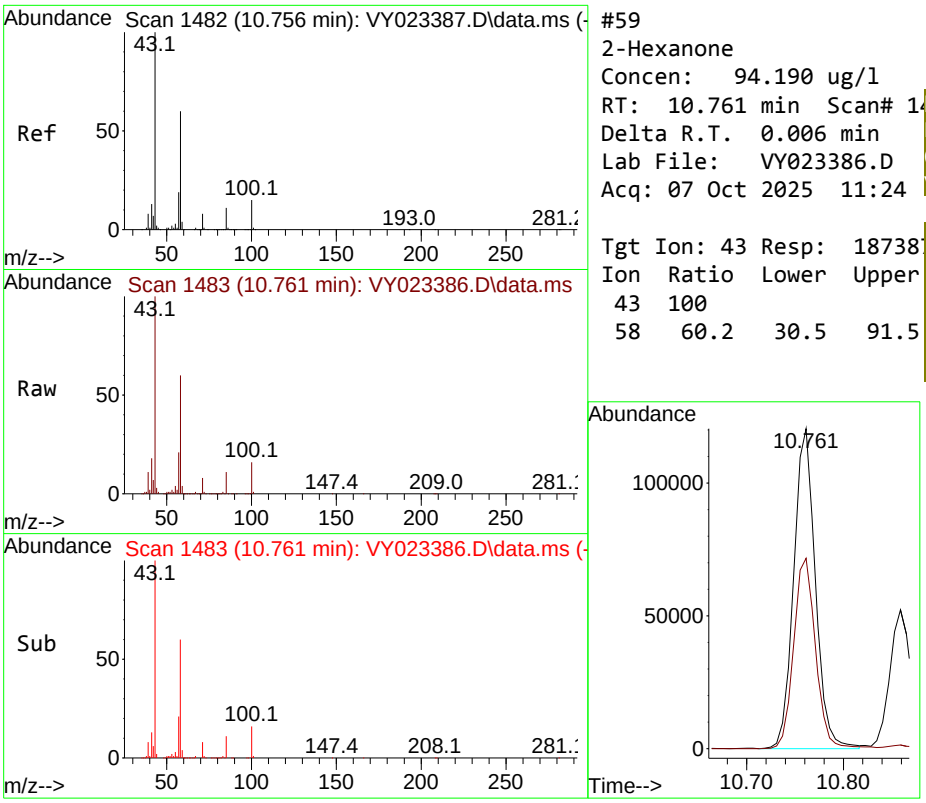


#58
2-Chloroethyl Vinyl ether
Concen: 90.982 ug/l m
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

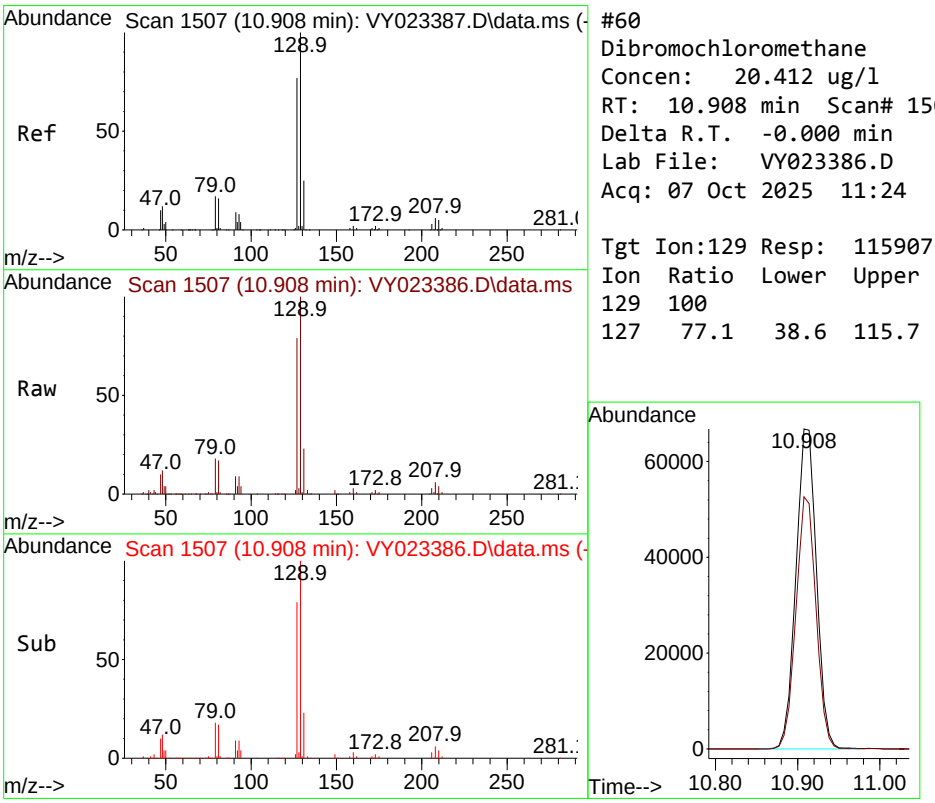
Tgt Ion: 43 Resp: 18738

Ion	Ratio	Lower	Upper
43	100		
58	60.2	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

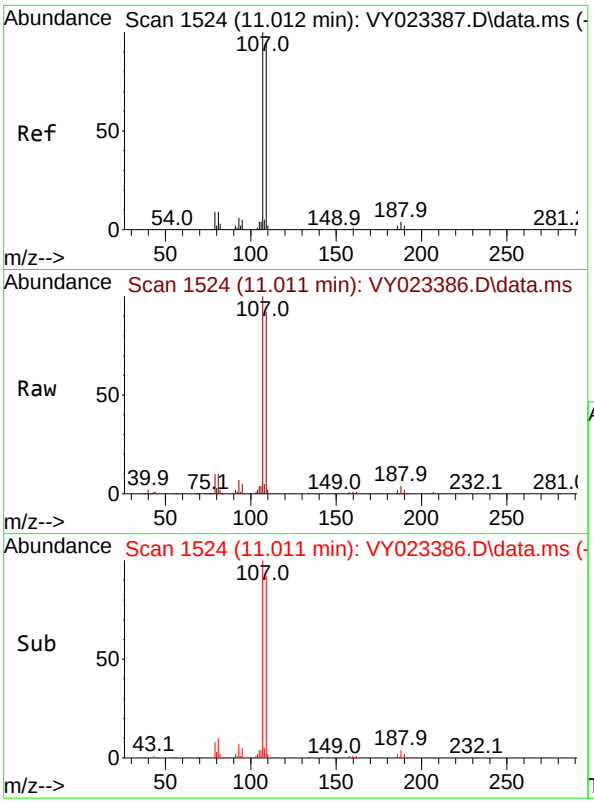
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

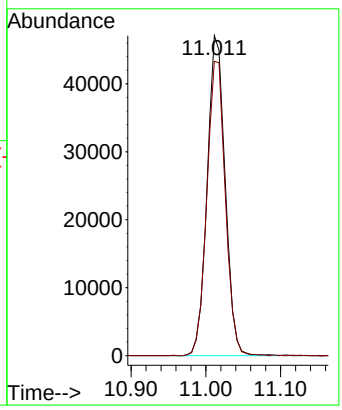
Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7



#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

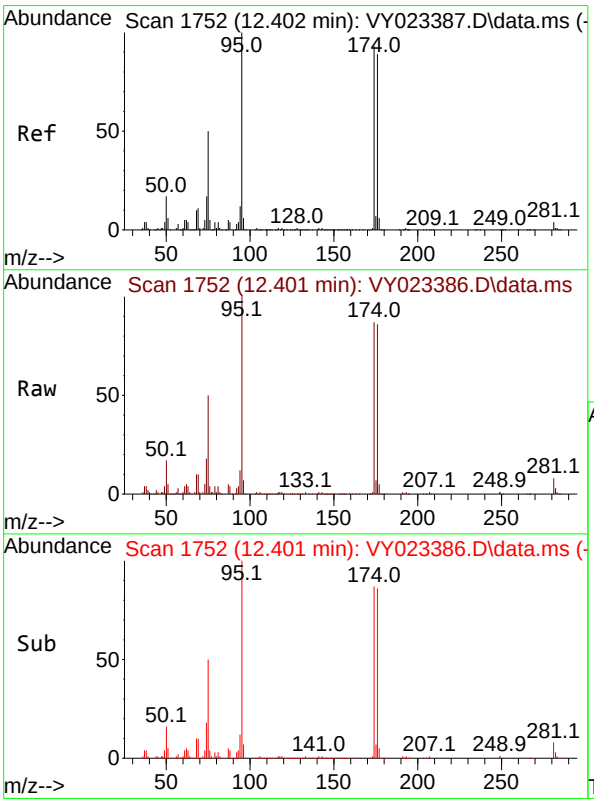
Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

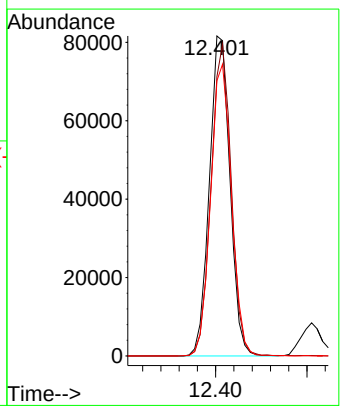
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

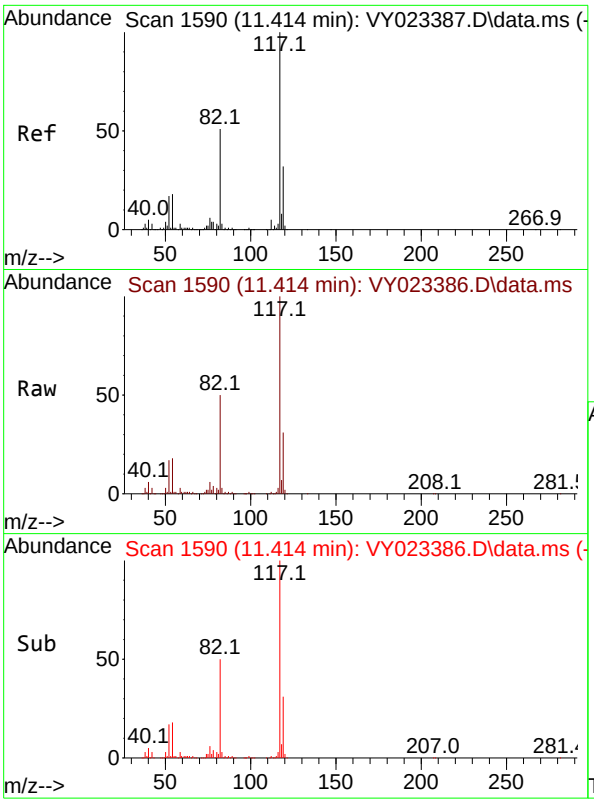


#62
4-Bromofluorobenzene
Concen: 20.680 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

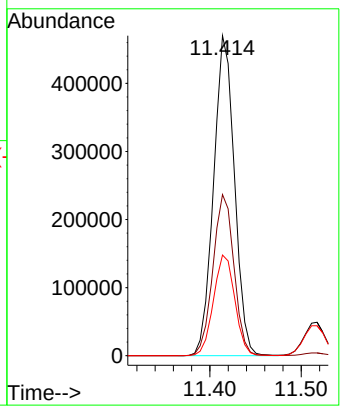




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:117 Resp: 74687

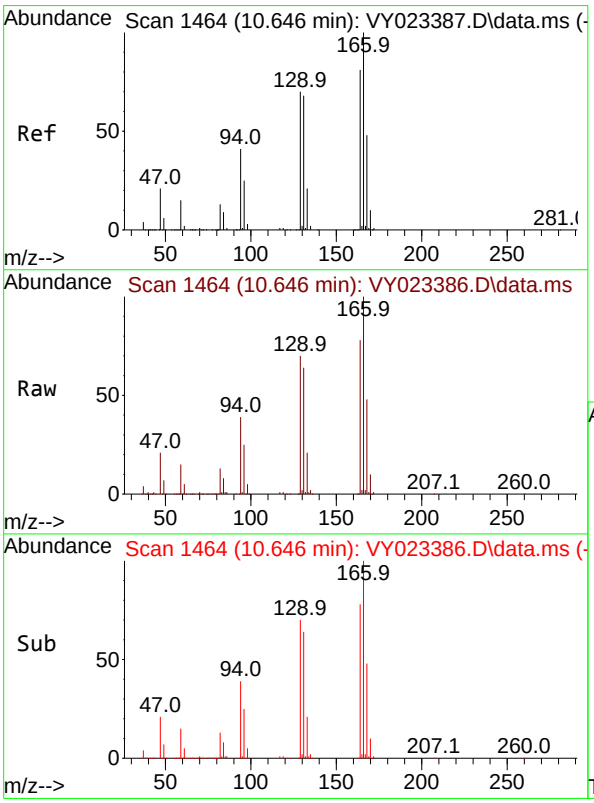
Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	31.4	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

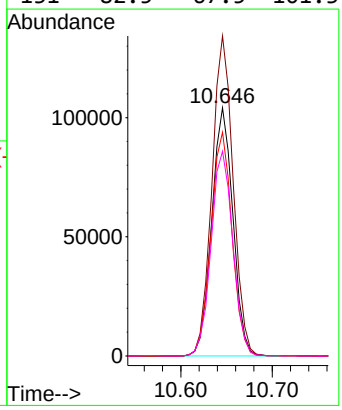
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

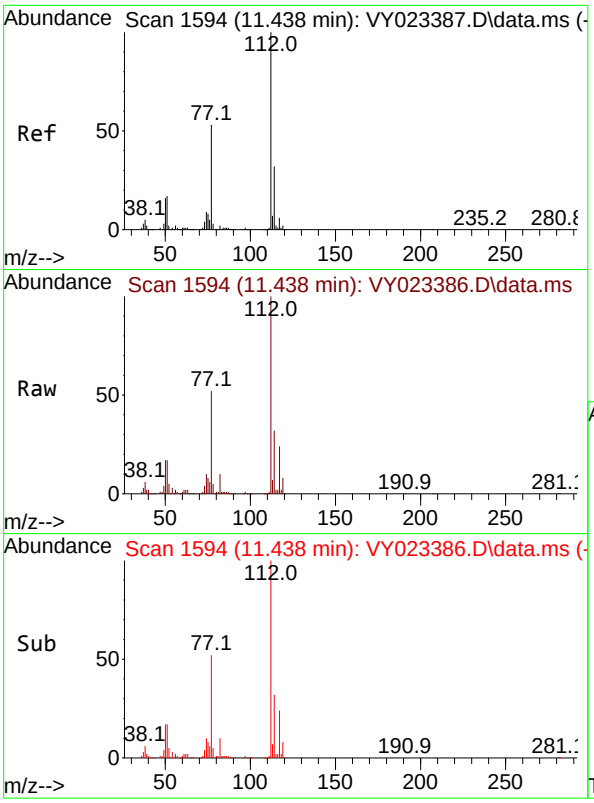


#64
Tetrachloroethene
Concen: 22.438 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

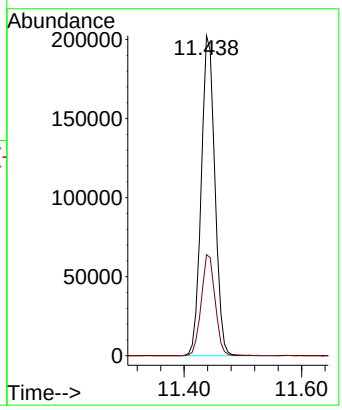




#65
Chlorobenzene
Concen: 20.109 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:112 Resp: 32636

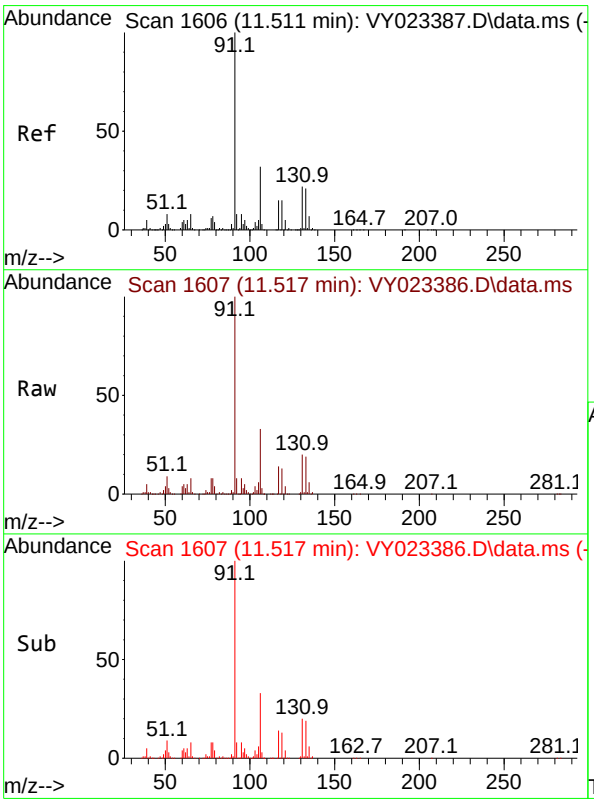
Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

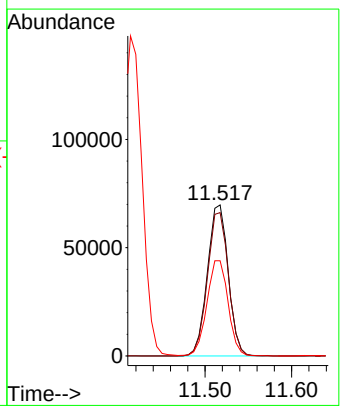
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

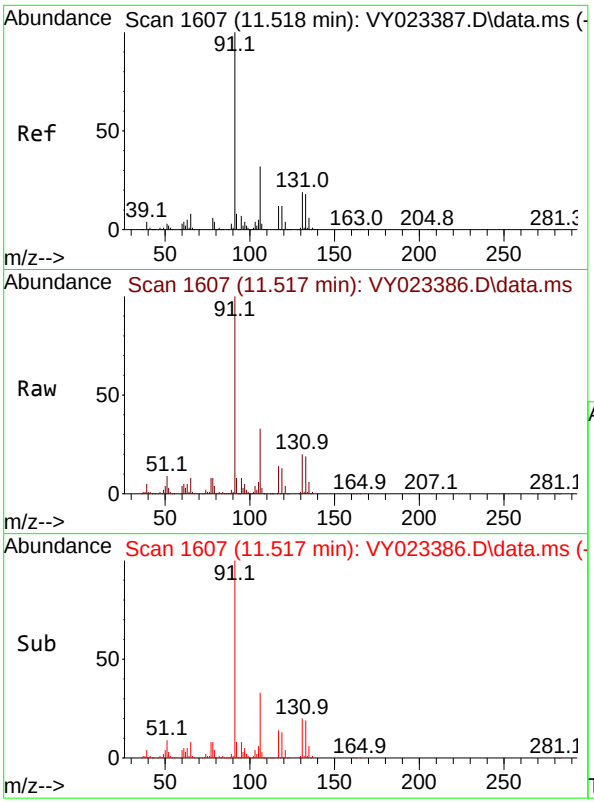


#66
1,1,1,2-Tetrachloroethane
Concen: 20.396 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

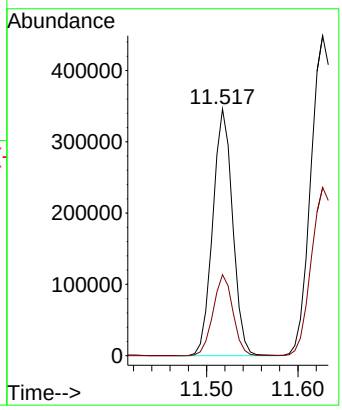




#67
Ethyl Benzene
Concen: 19.768 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 52360

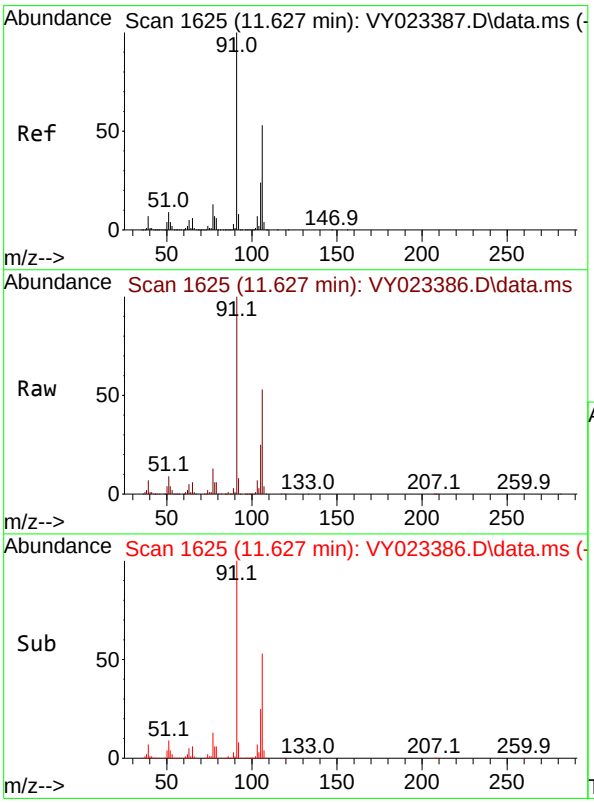
Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

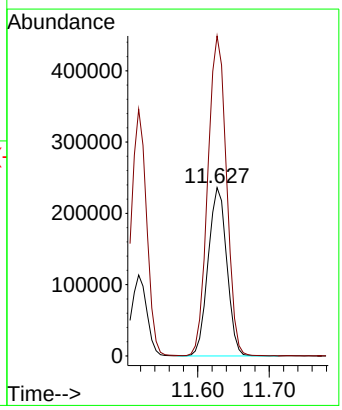
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

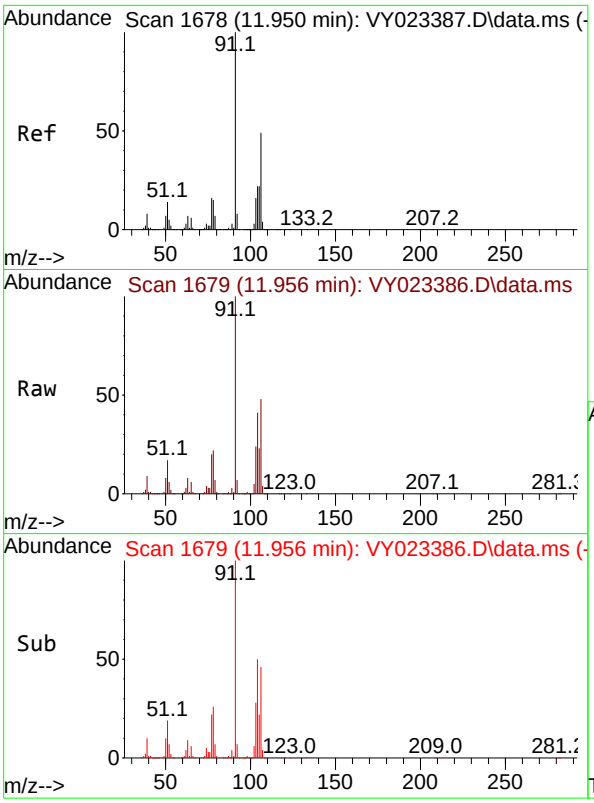


#68
m/p-Xylenes
Concen: 40.211 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:106 Resp: 426913

Ion	Ratio	Lower	Upper
106	100		
91	190.8	152.6	229.0

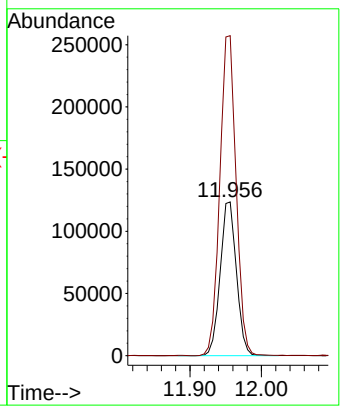




#69
o-Xylene
Concen: 19.843 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:106 Resp: 19502

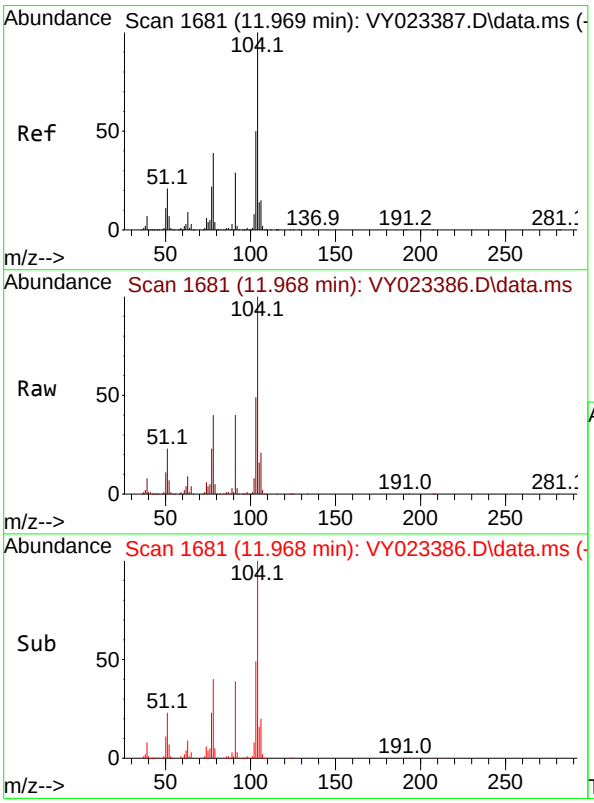
Ion	Ratio	Lower	Upper
106	100		
91	208.5	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

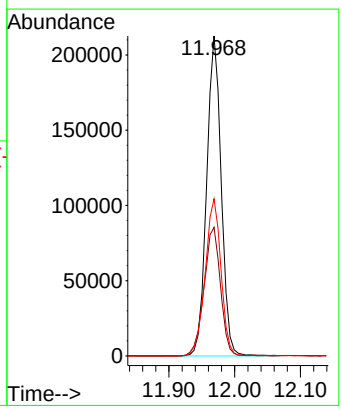
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

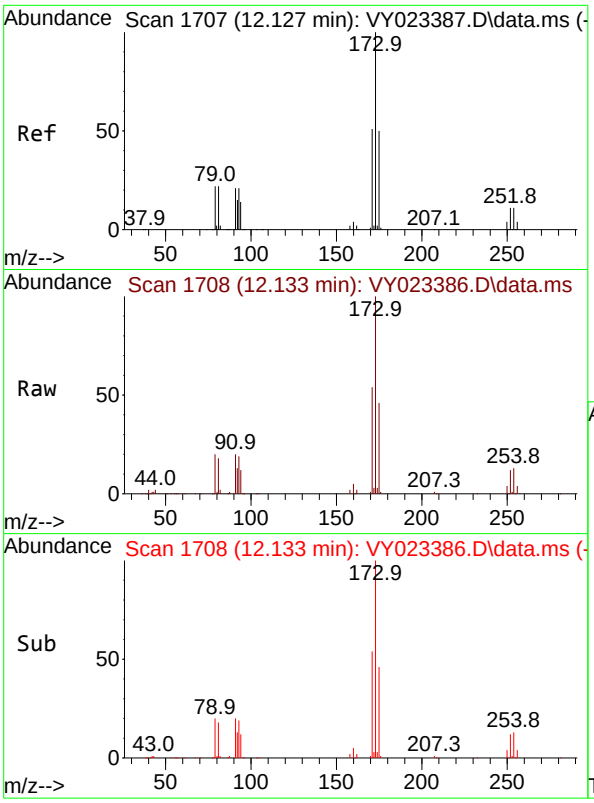


#70
Styrene
Concen: 20.208 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

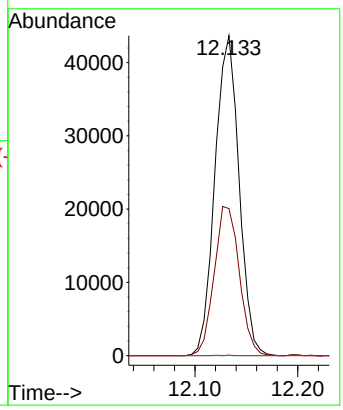




#71
Bromoform
Concen: 20.814 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:173 Resp: 7111

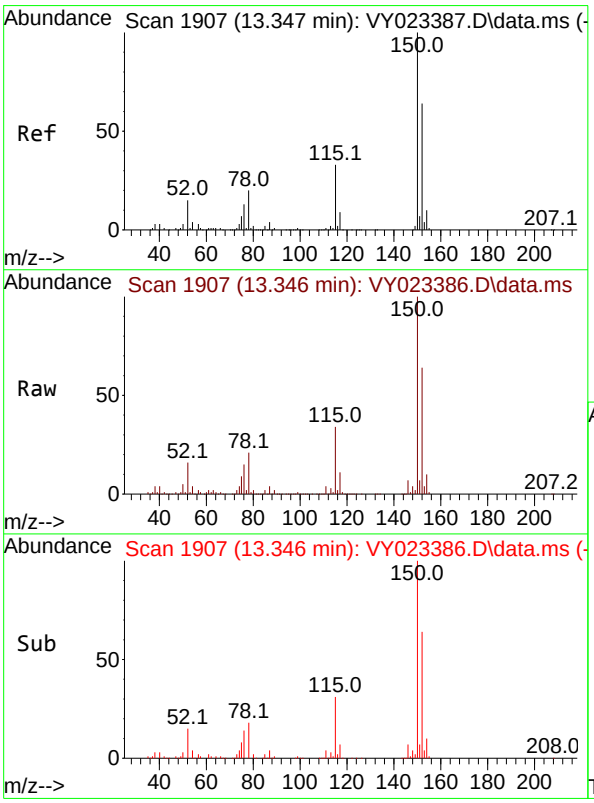
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.8	74.3
254	0.0	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

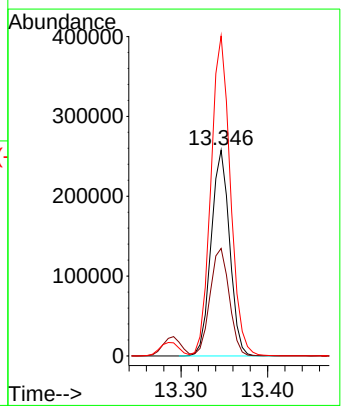
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

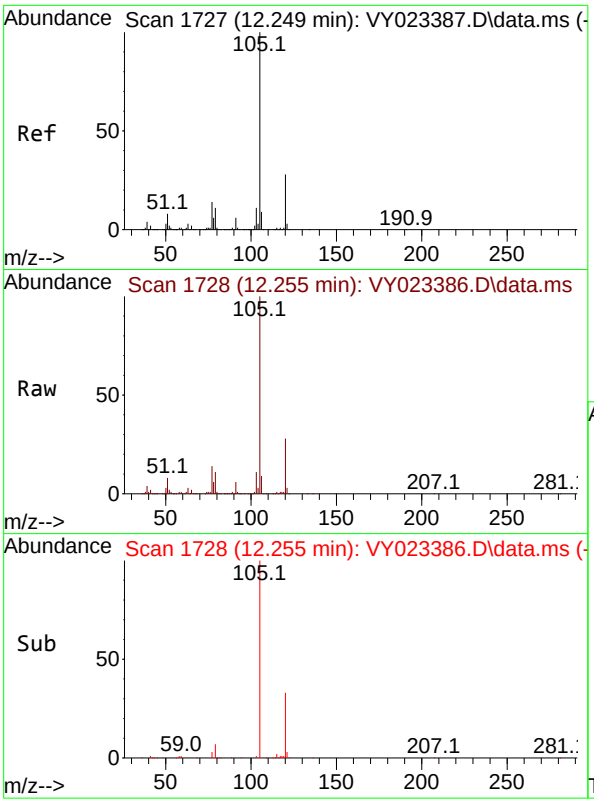


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

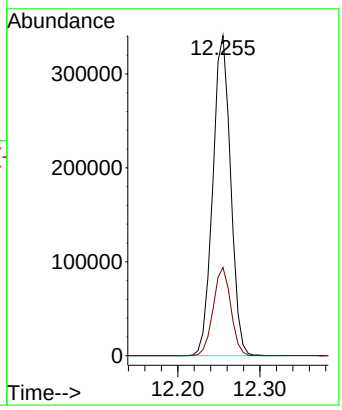




#73
Isopropylbenzene
Concen: 20.136 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 51318

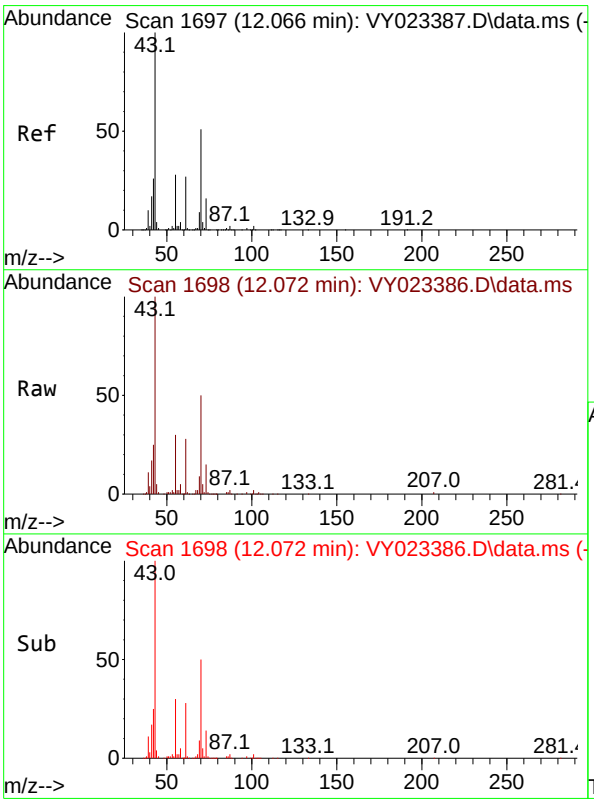
Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

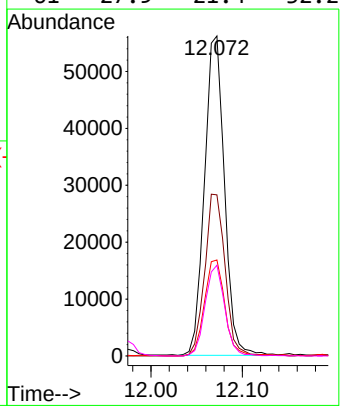
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

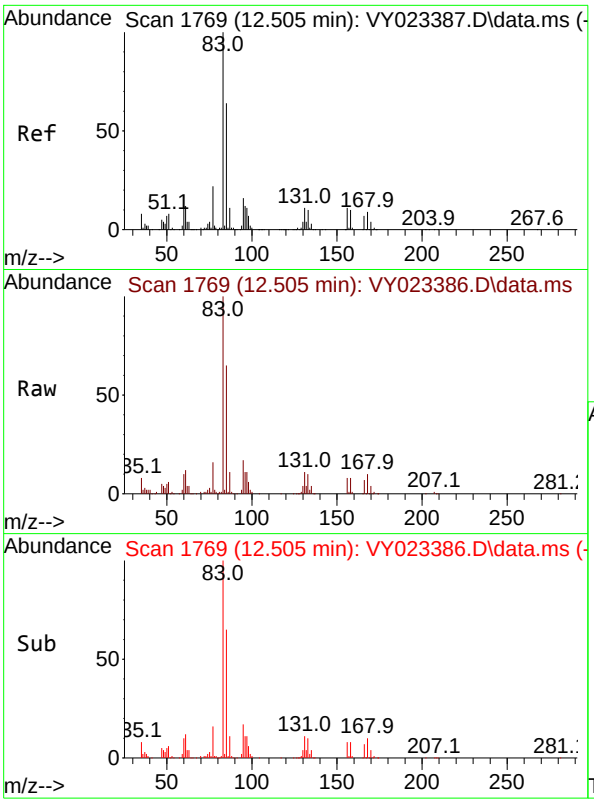


#74
N-amyl acetate
Concen: 17.860 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

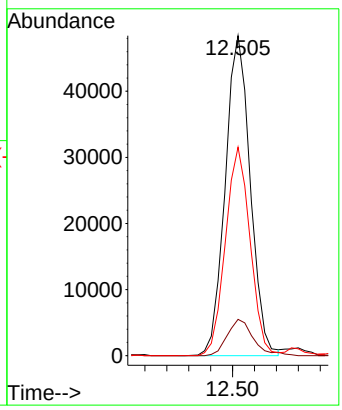




#75
1,1,2,2-Tetrachloroethane
Concen: 18.069 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 83 Resp: 7682

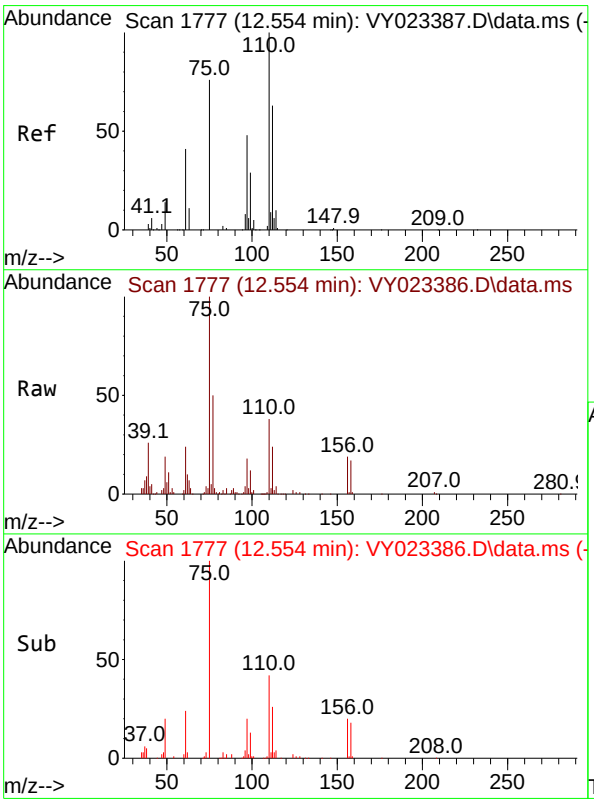
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.9	17.6
85	64.1	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

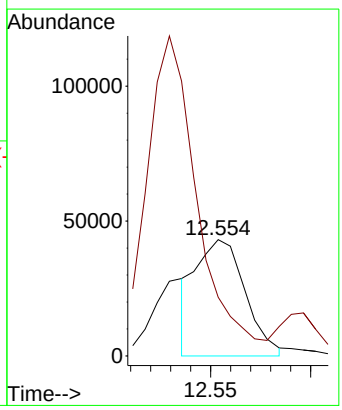
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

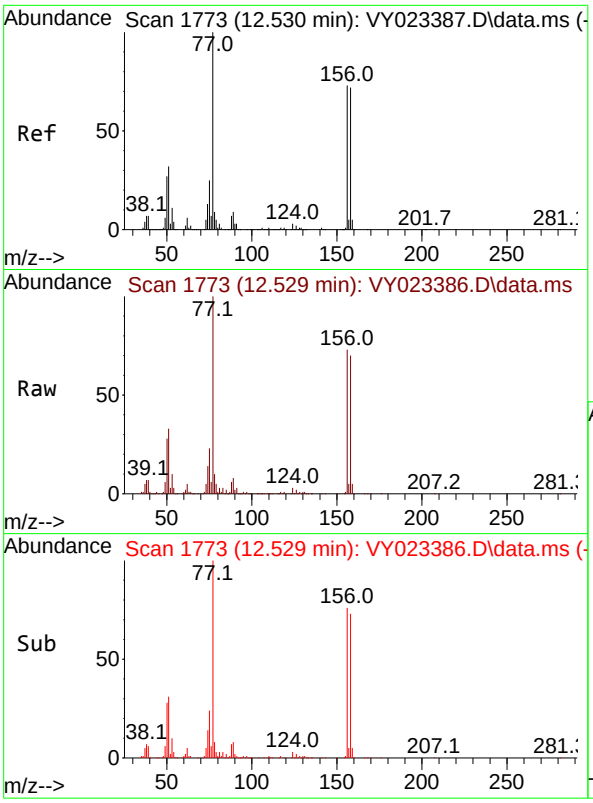


#76
1,2,3-Trichloropropane
Concen: 19.634 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 75 Resp: 74100

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

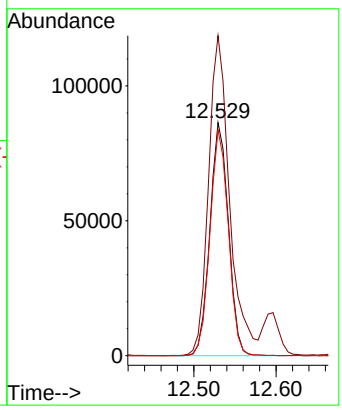




#77
Bromobenzene
Concen: 20.700 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:156 Resp: 13540

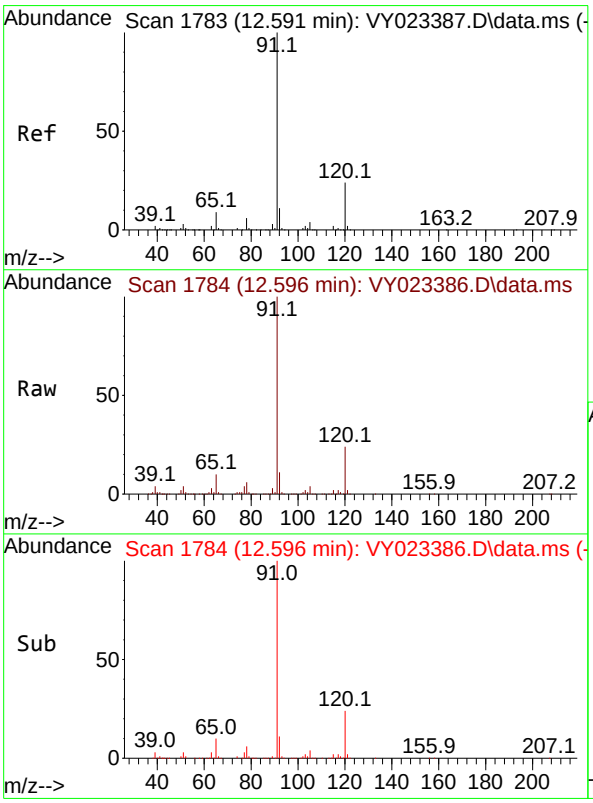
Ion	Ratio	Lower	Upper
156	100		
77	156.2	76.8	230.5
158	96.1	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

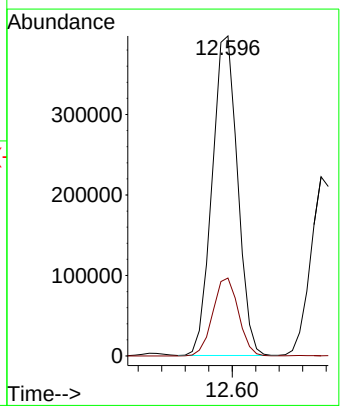
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

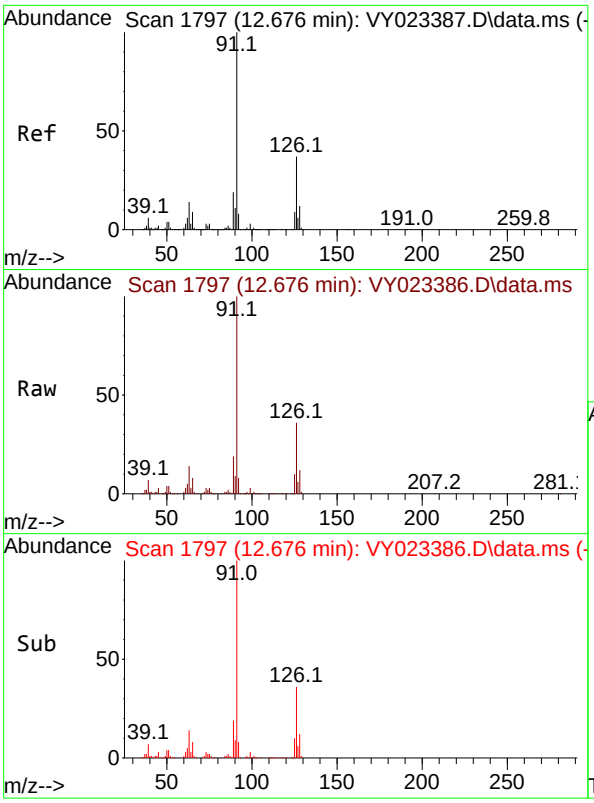


#78
n-propylbenzene
Concen: 19.945 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

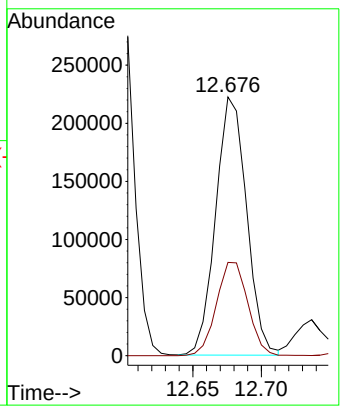
Tgt Ion: 91 Resp: 34920

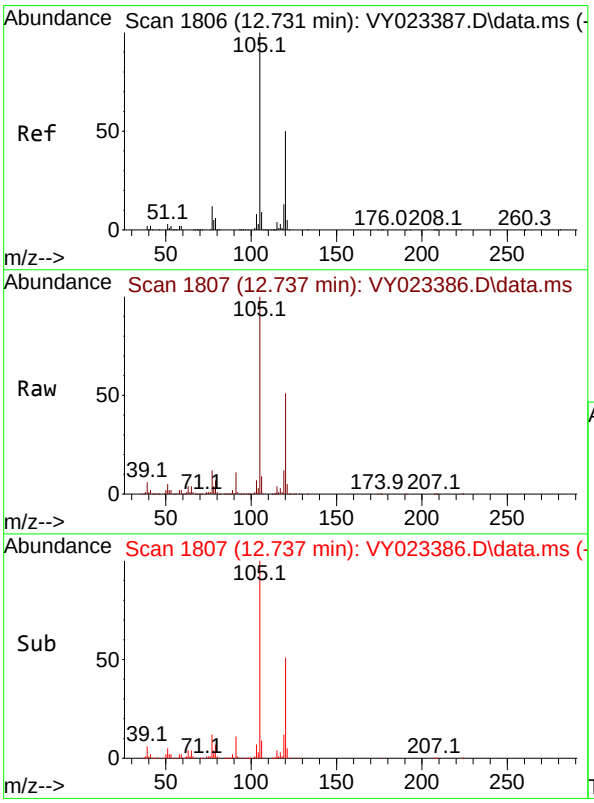
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.5	55.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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

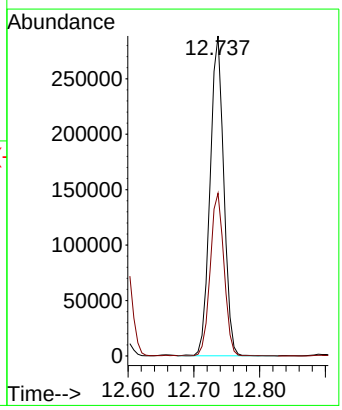


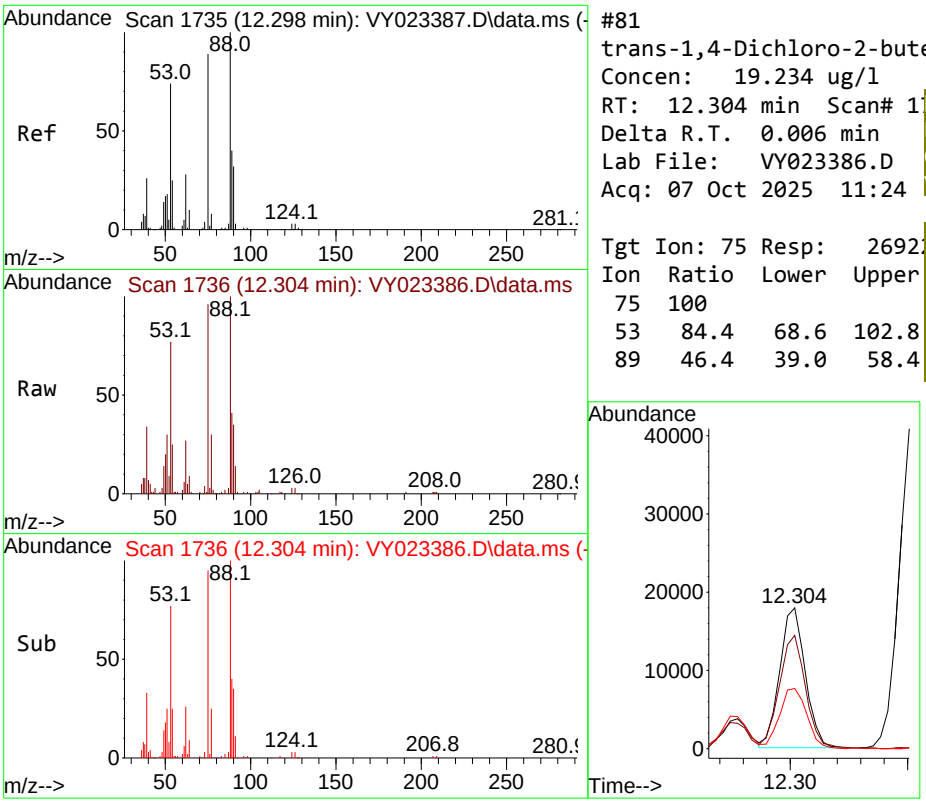


#80
1,3,5-Trimethylbenzene
Concen: 20.208 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

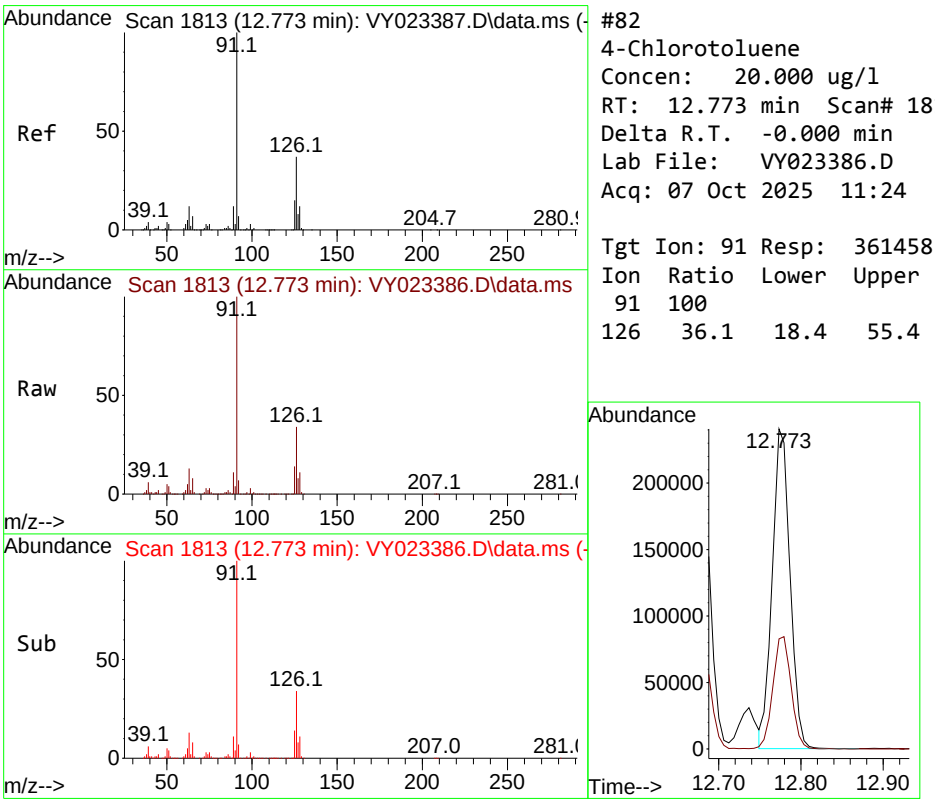
Tgt Ion: 75 Resp: 2692

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

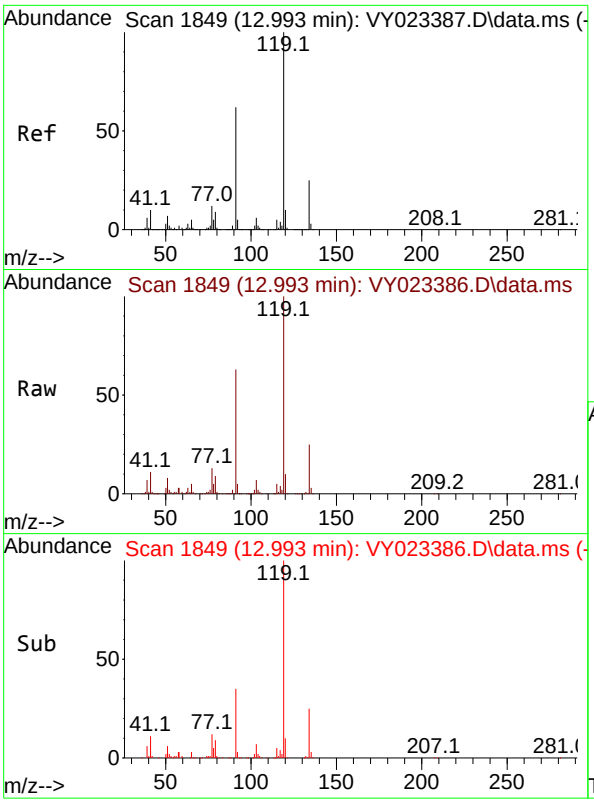
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

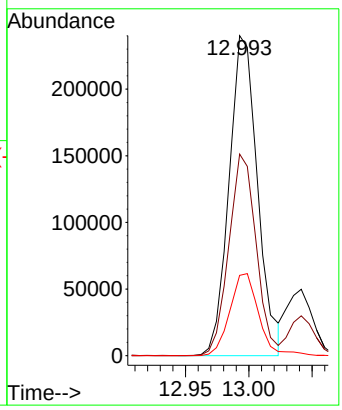
Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.4	55.4



#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

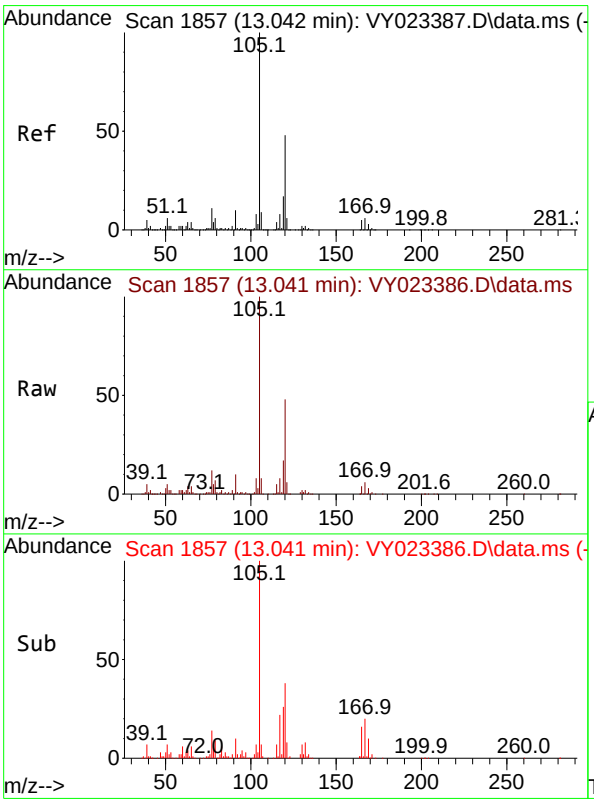
Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.9	89.8
134	26.1	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

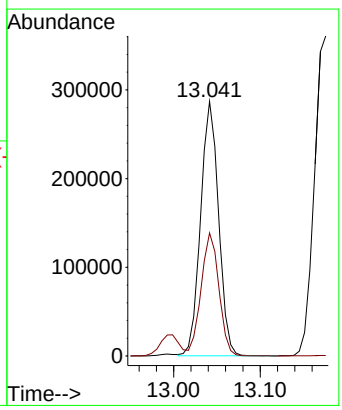
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

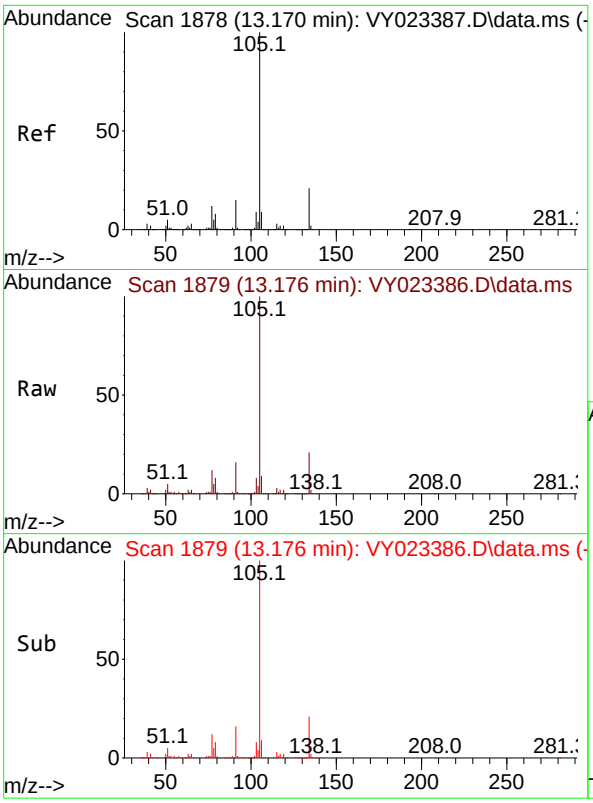


#84
1,2,4-Trimethylbenzene
Concen: 20.162 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 413292

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.2

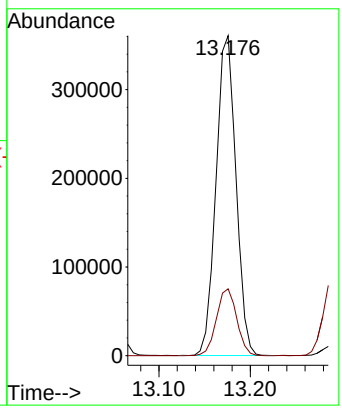




#85
sec-Butylbenzene
Concen: 19.990 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:105 Resp: 54658

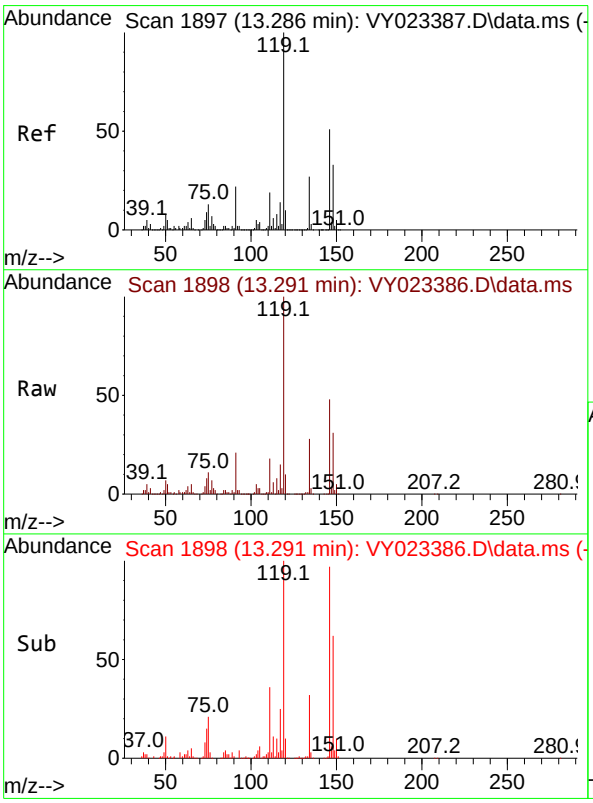
Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

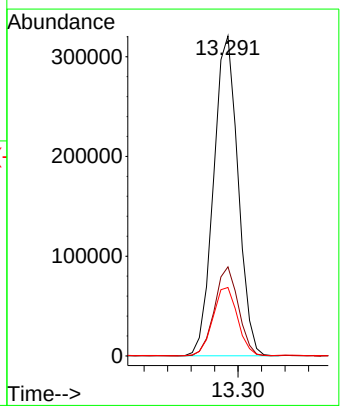
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

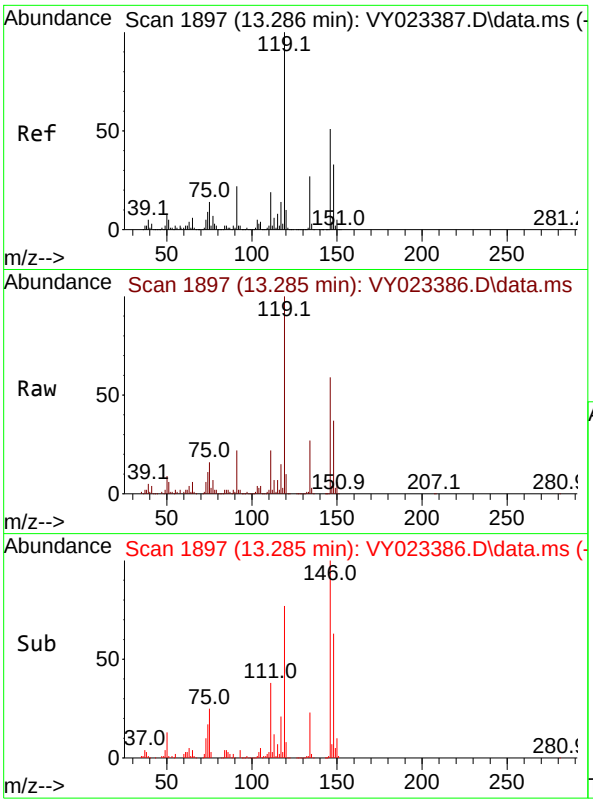


#86
p-Isopropyltoluene
Concen: 20.081 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

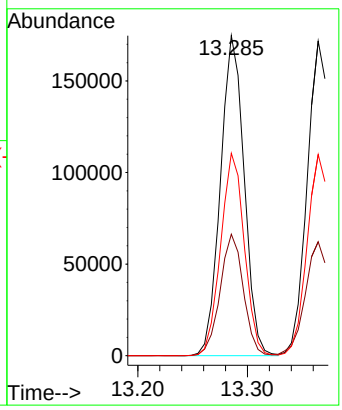




#87
1,3-Dichlorobenzene
Concen: 20.347 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:146 Resp: 26290

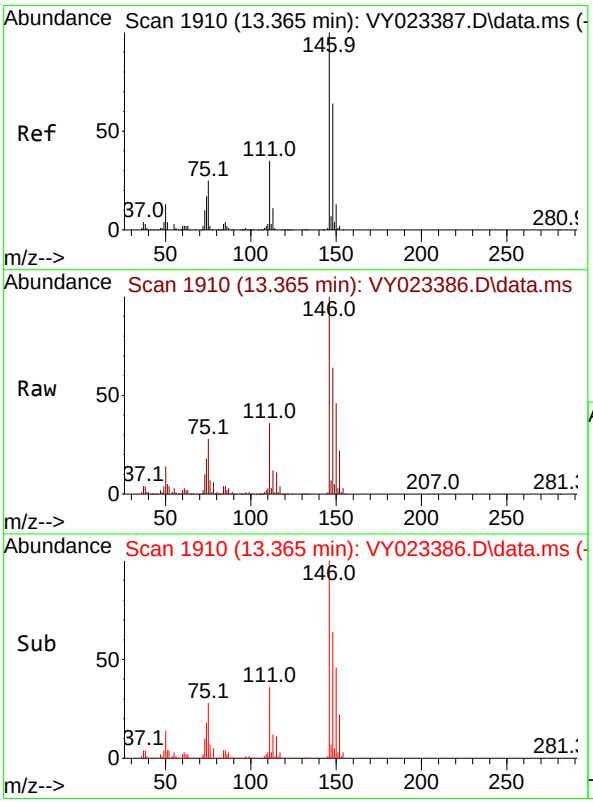
Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	63.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

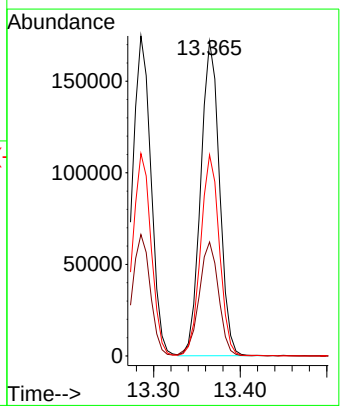
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

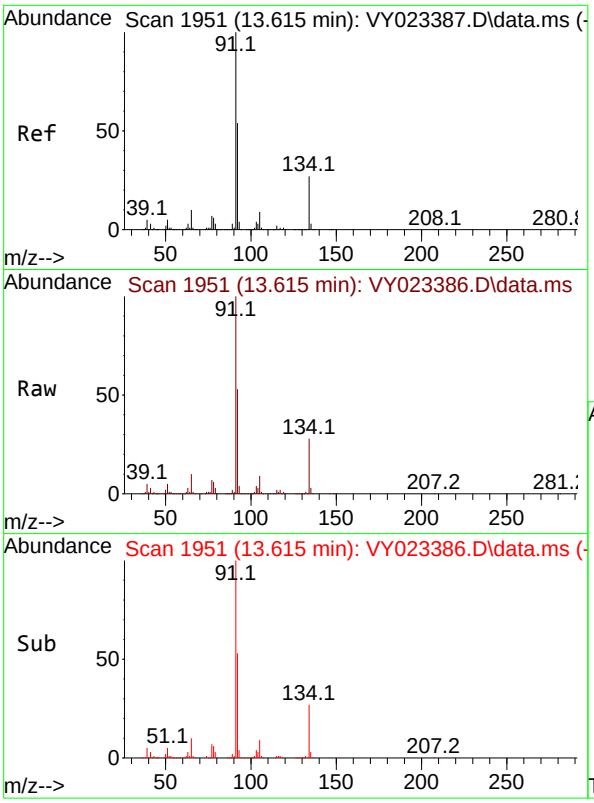


#88
1,4-Dichlorobenzene
Concen: 20.230 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

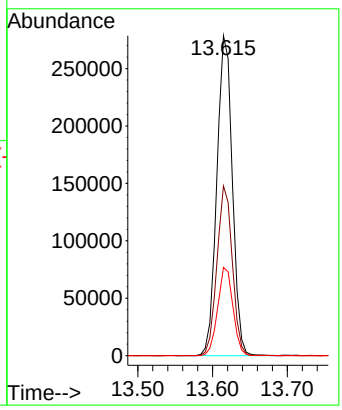




#89
n-Butylbenzene
Concen: 19.697 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion: 91 Resp: 40189

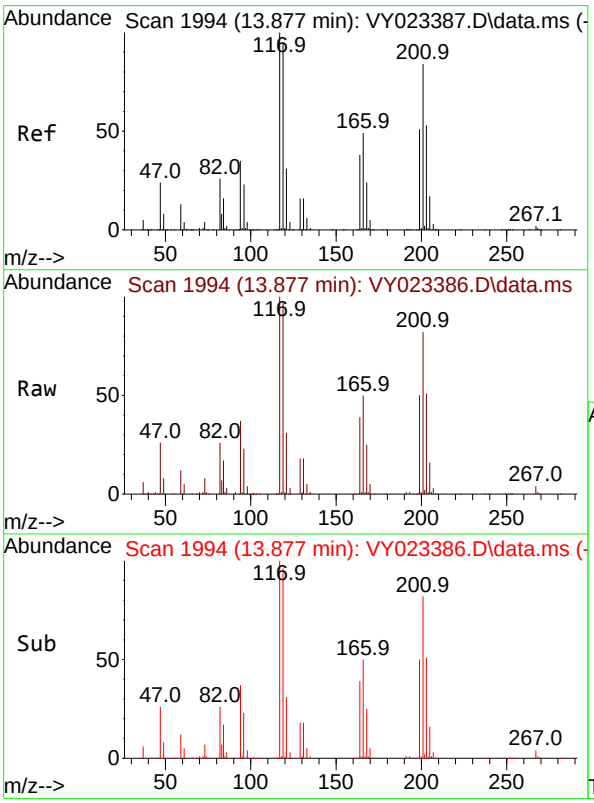
Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.0	80.8
134	27.3	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

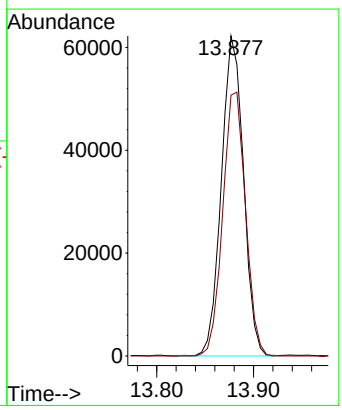
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

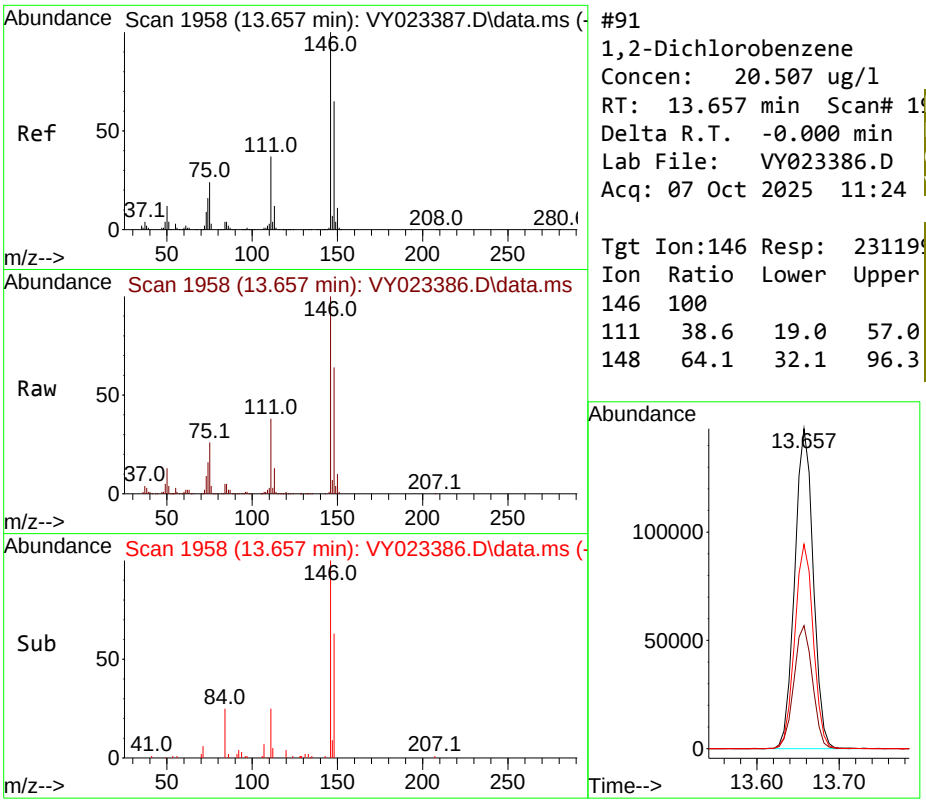


#90
Hexachloroethane
Concen: 19.730 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

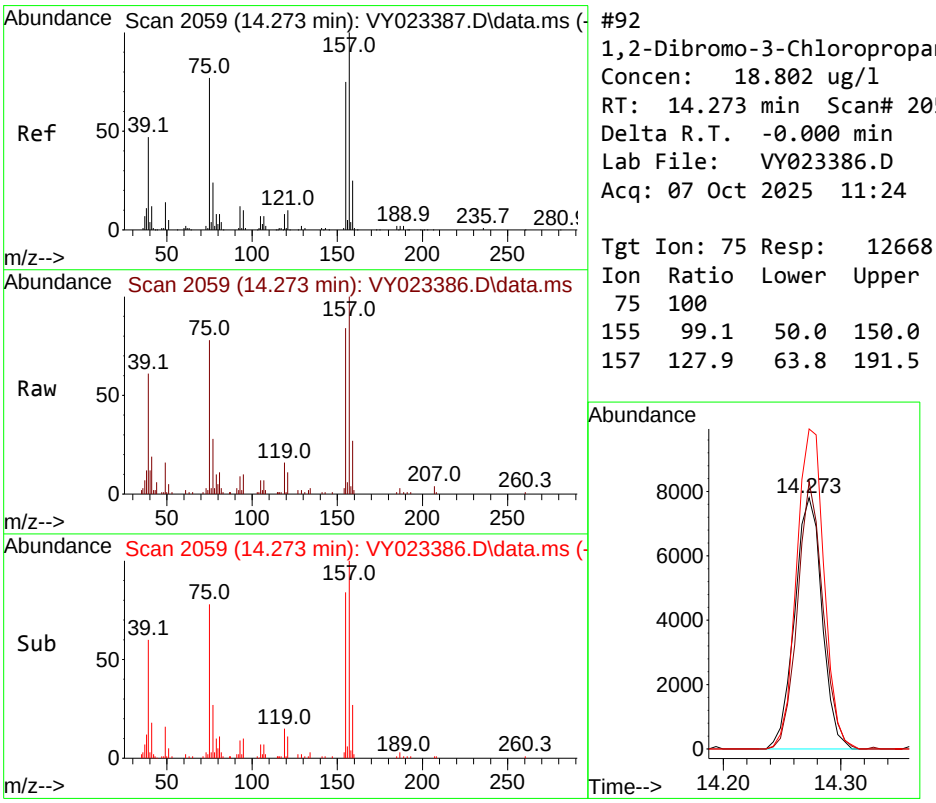
Tgt Ion:146 Resp: 23119

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
APPROVED

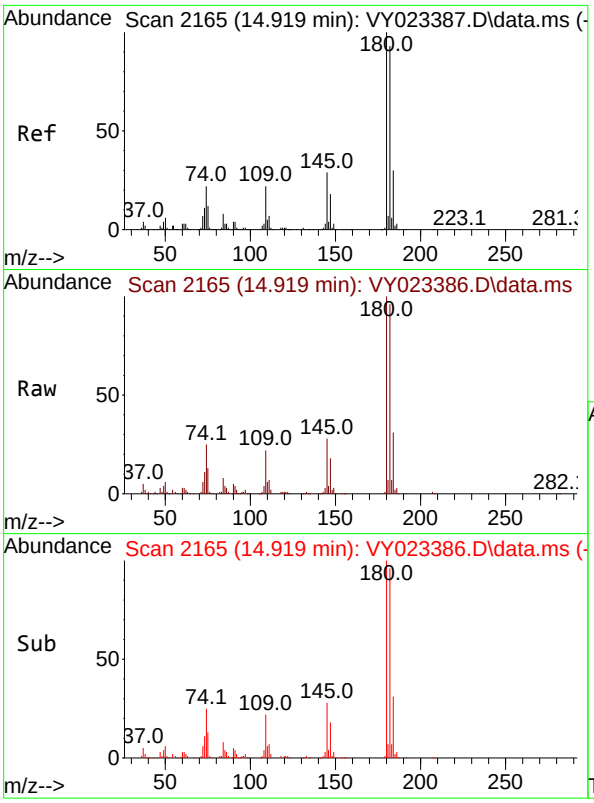
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

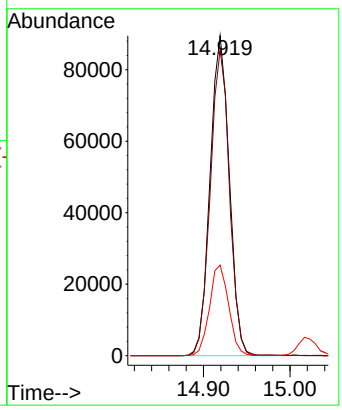
Ion	Ratio	Lower	Upper
75	100		
155	99.1	50.0	150.0
157	127.9	63.8	191.5



#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

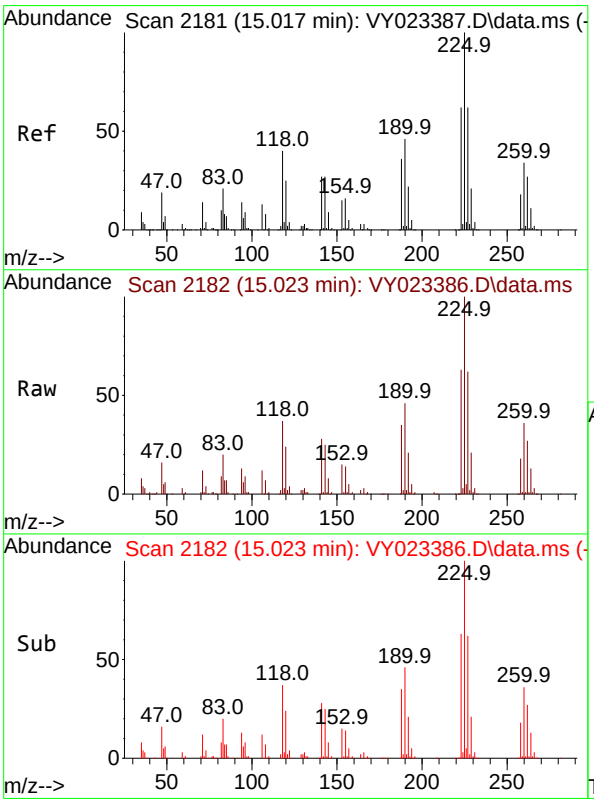
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.6
145	28.3	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

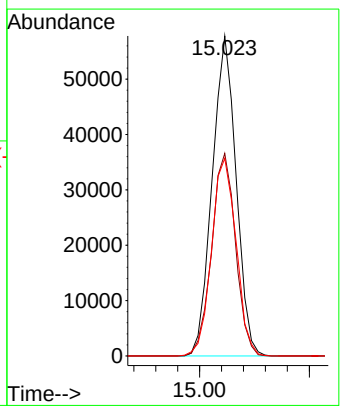
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

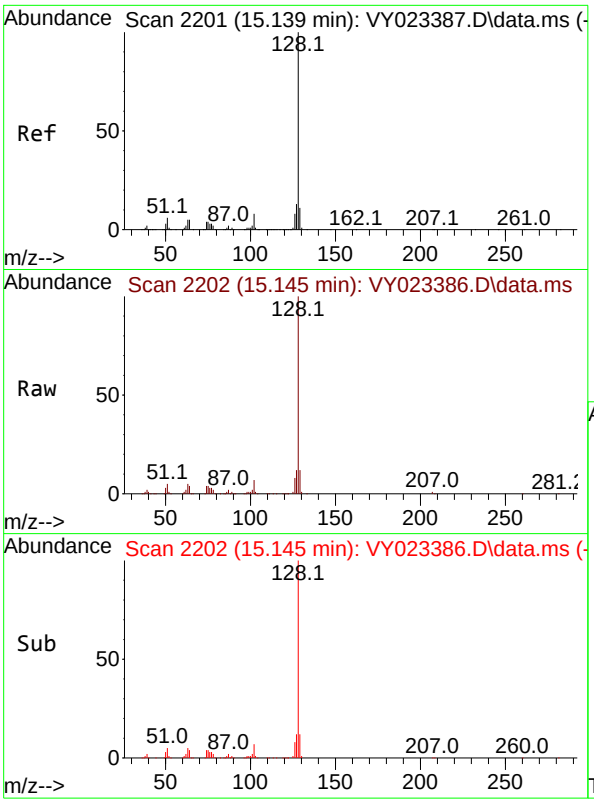


#94
Hexachlorobutadiene
Concen: 21.159 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

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

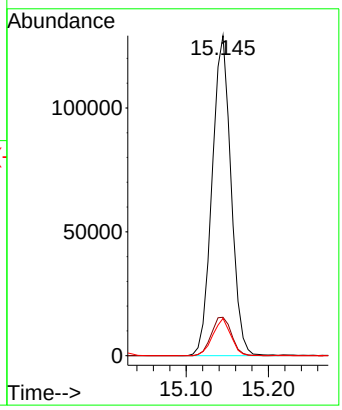




#95
Naphthalene
Concen: 19.467 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023386.D
Acq: 07 Oct 2025 11:24

Tgt Ion:128 Resp: 20601

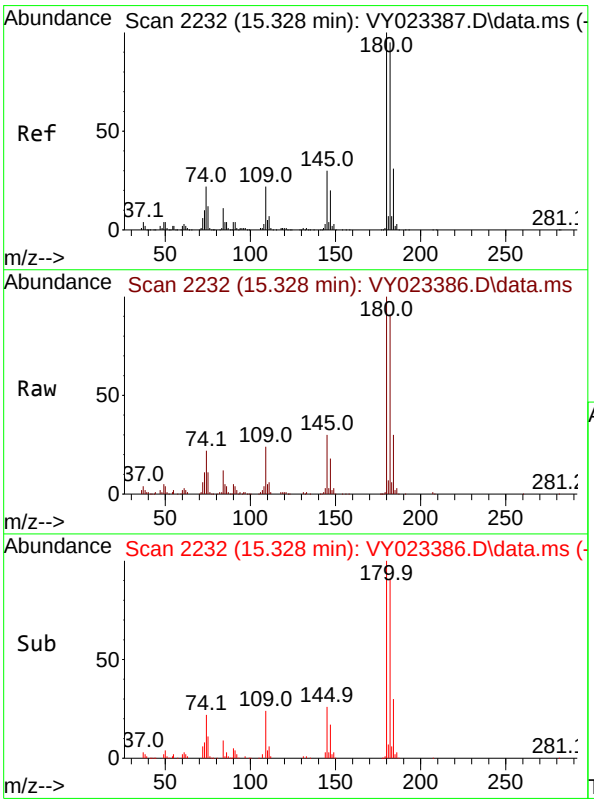
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

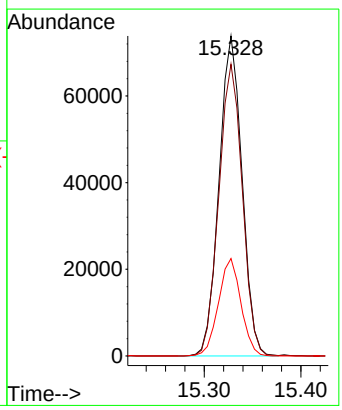
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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



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

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

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

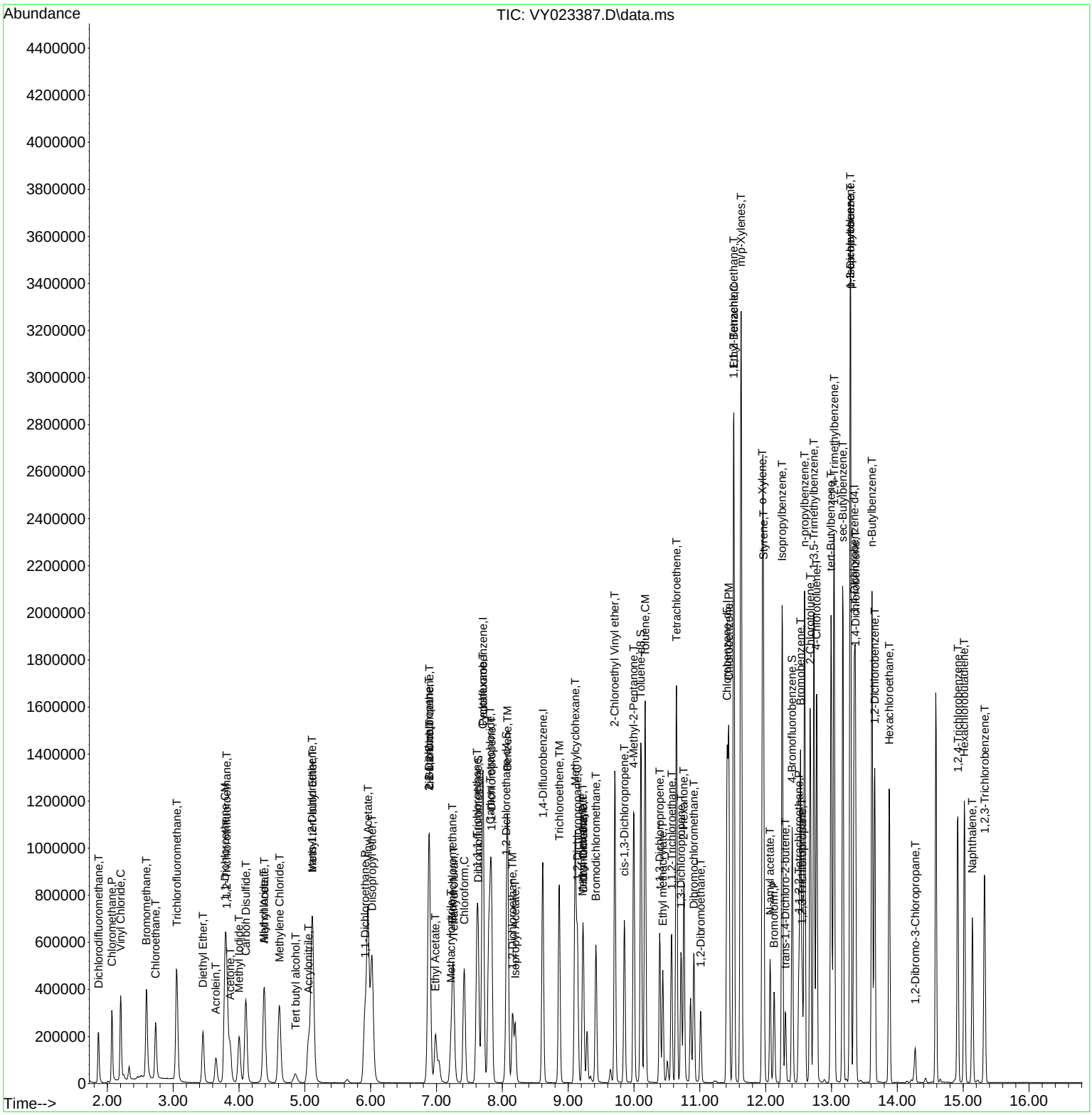
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Acq On : 07 Oct 2025 11:47
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

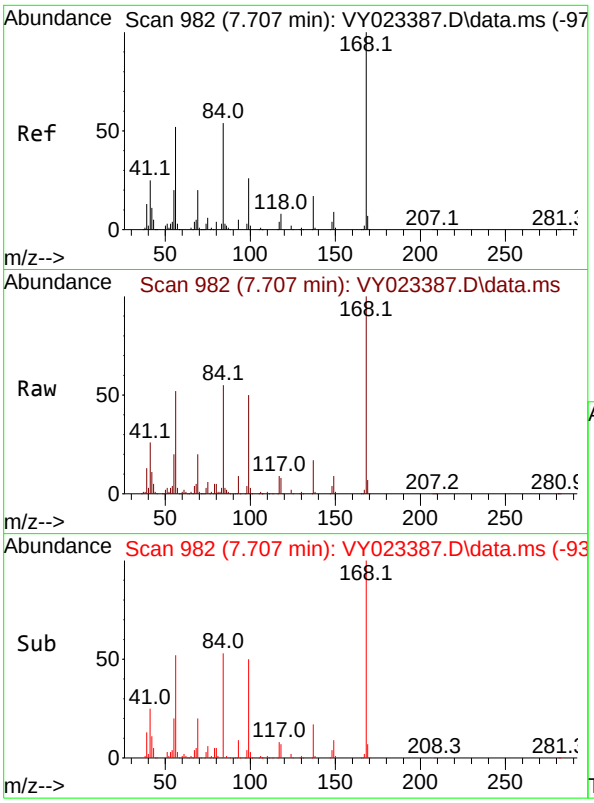
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

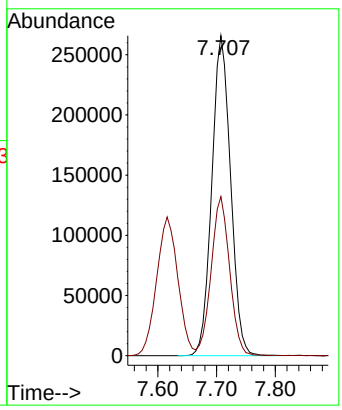




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:168 Resp: 59034

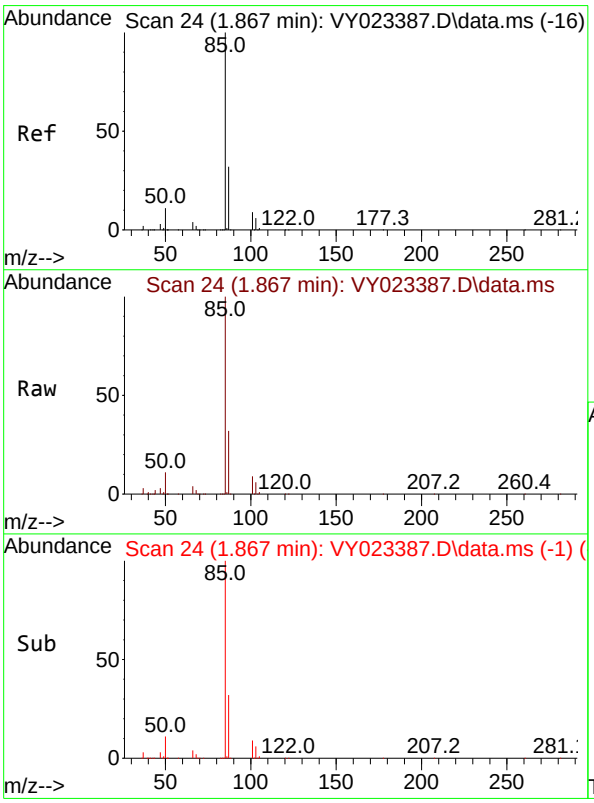
Ion	Ratio	Lower	Upper
168	100		
99	49.6	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

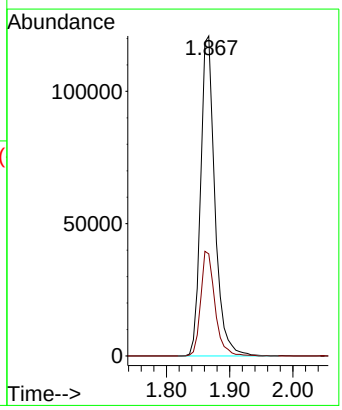
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

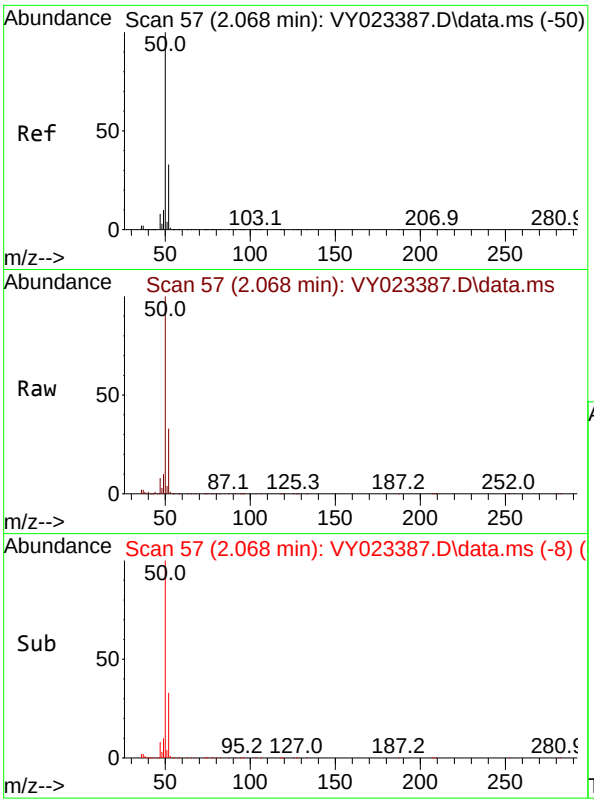


#2
Dichlorodifluoromethane
Concen: 40.745 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 85 Resp: 189467

Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.0	47.9

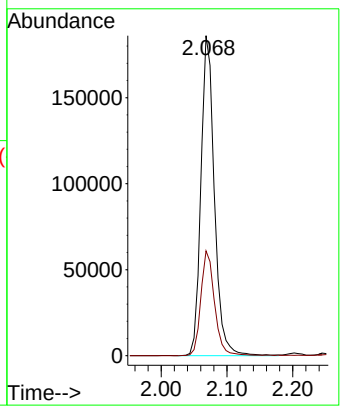




#3
Chloromethane
Concen: 40.113 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 50 Resp: 26514

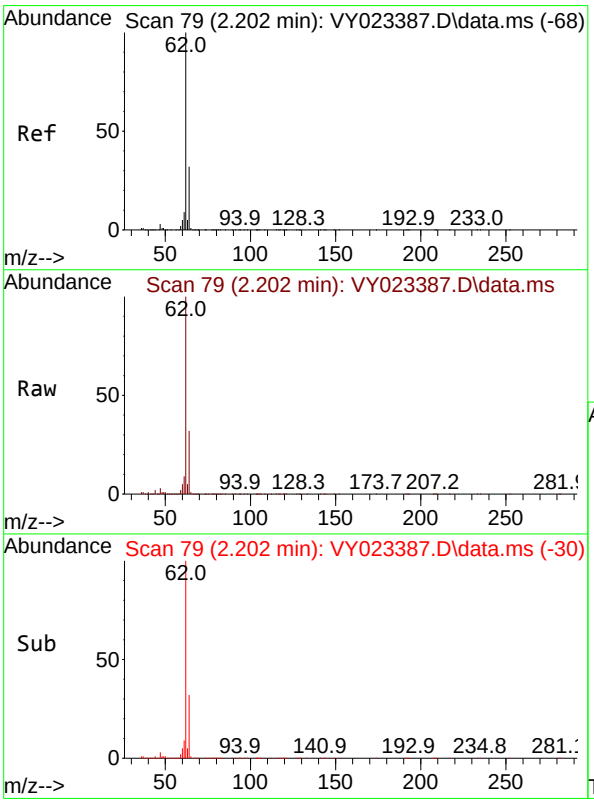
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

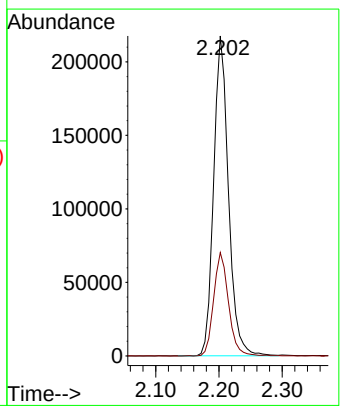
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

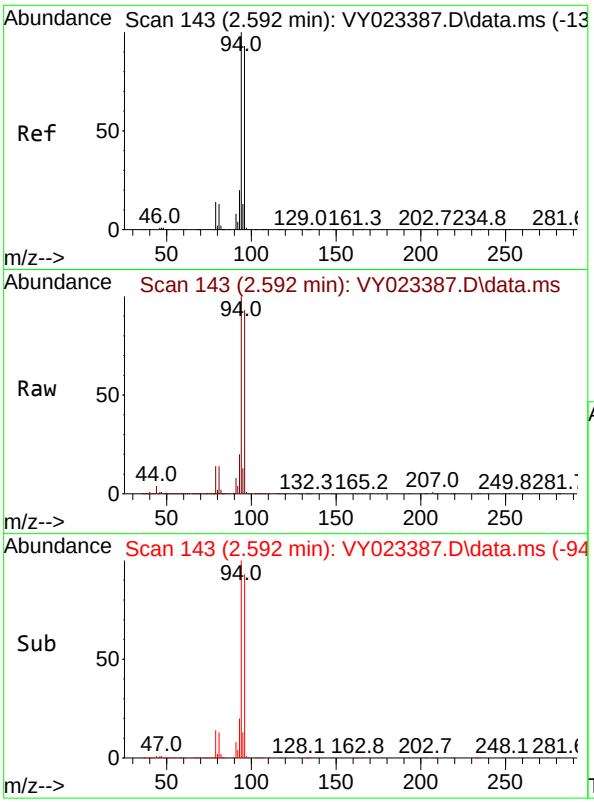


#4
Vinyl Chloride
Concen: 42.293 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 62 Resp: 352993

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.8	38.8

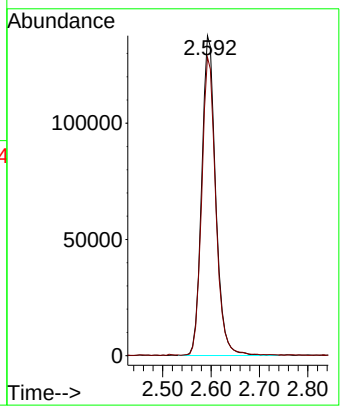




#5
Bromomethane
Concen: 40.458 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 94 Resp: 27700

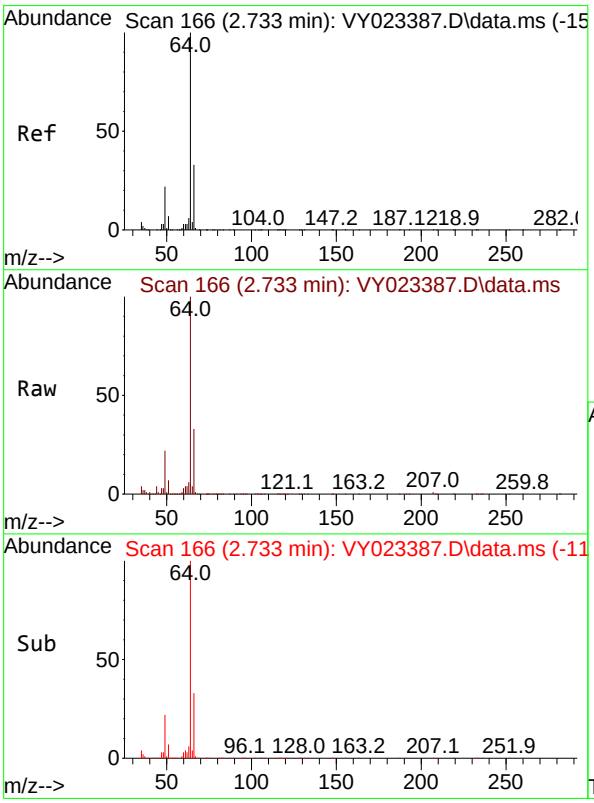
Ion	Ratio	Lower	Upper
94	100		
96	93.1	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

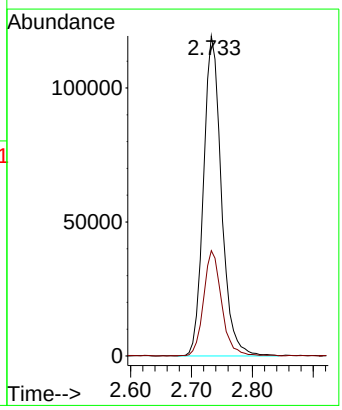
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

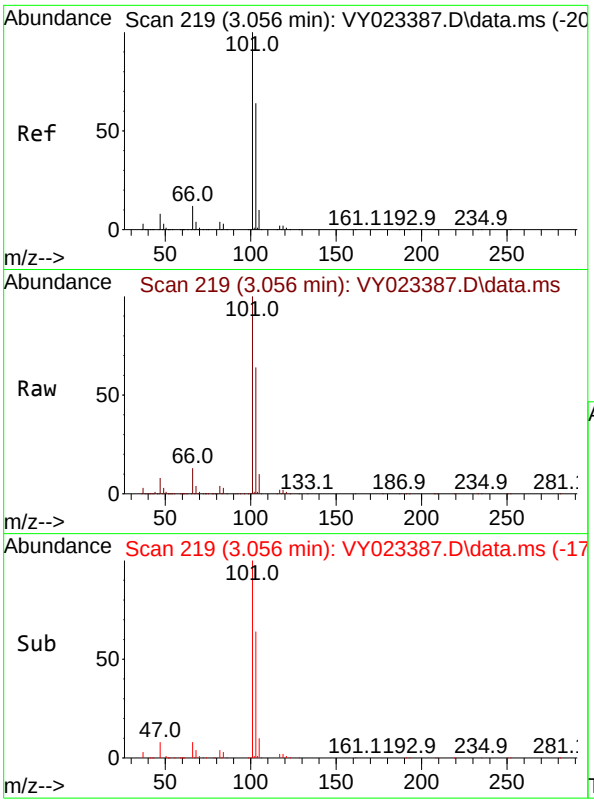


#6
Chloroethane
Concen: 43.157 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 64 Resp: 244551

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.2	39.4

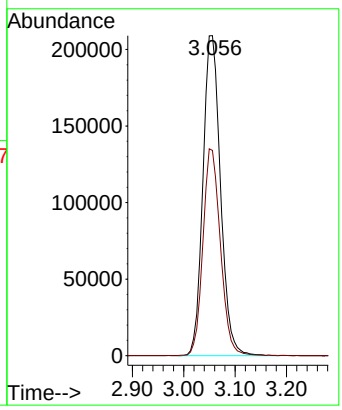




#7
Trichlorofluoromethane
Concen: 46.354 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:101 Resp: 49698

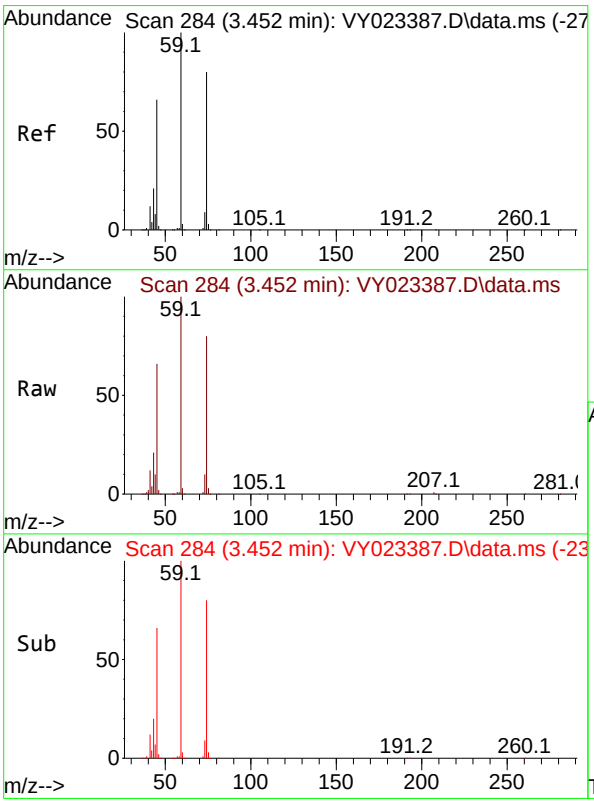
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

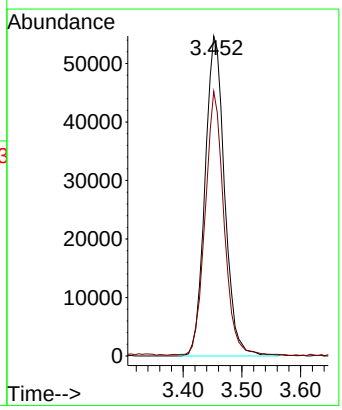
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

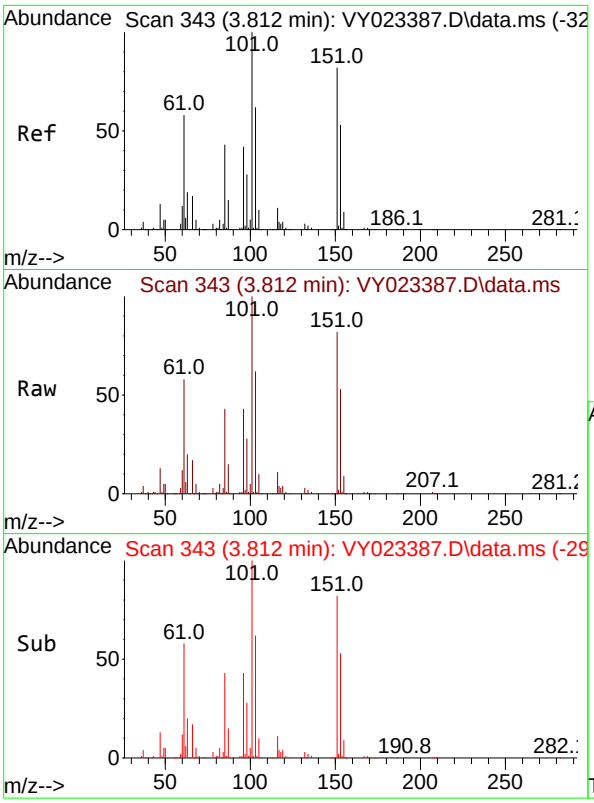


#8
Diethyl Ether
Concen: 45.158 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

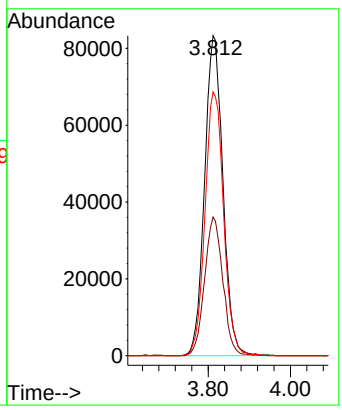
Tgt Ion:101 Resp: 25810

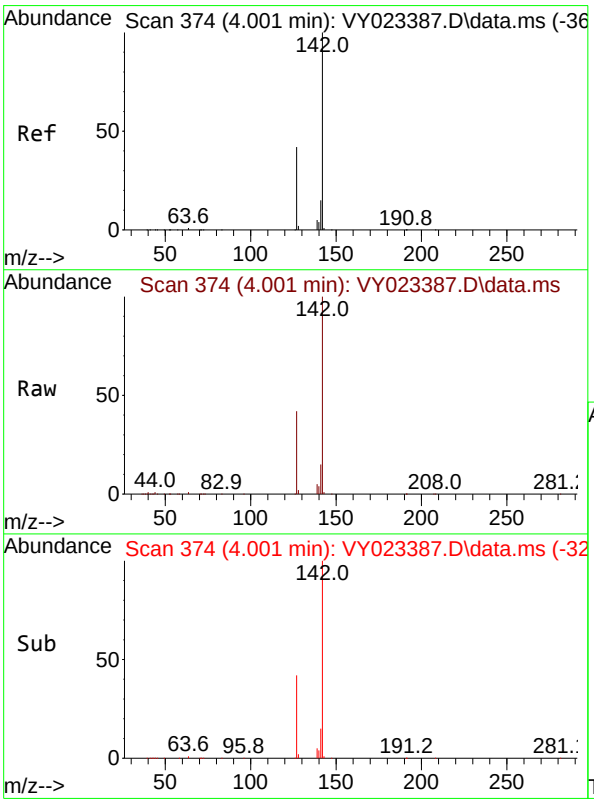
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	83.8	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

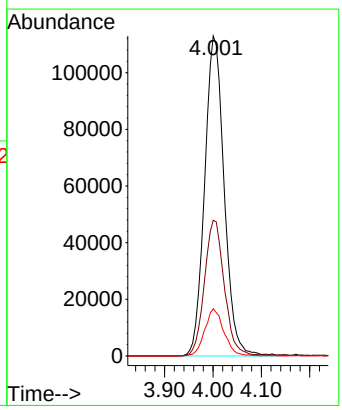


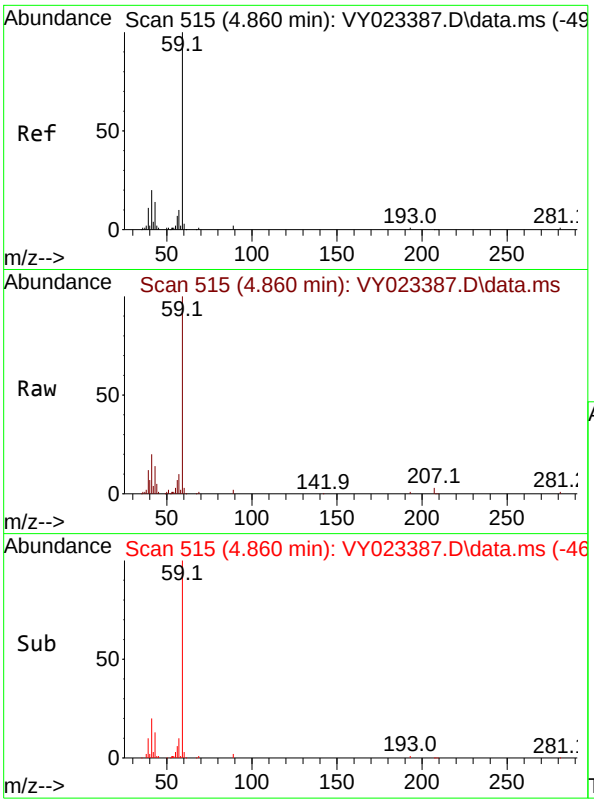


#10
Methyl Iodide
Concen: 47.979 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

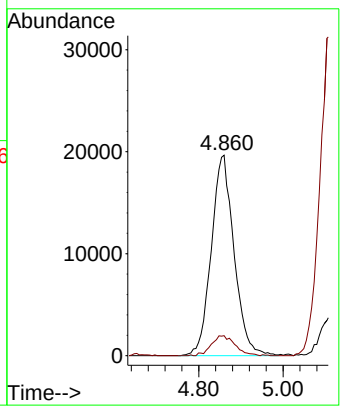




#11
Tert butyl alcohol
Concen: 244.793 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 59 Resp: 7364

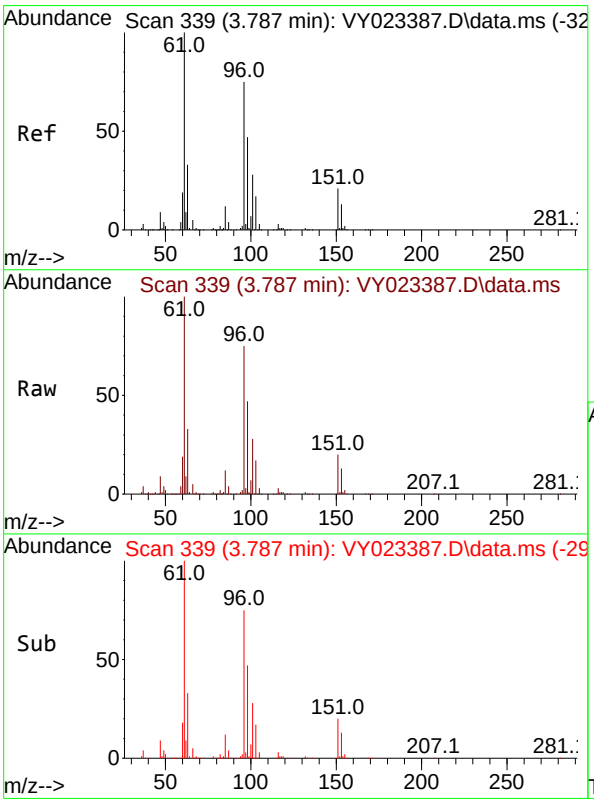
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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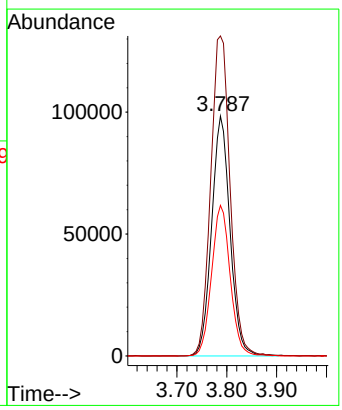
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

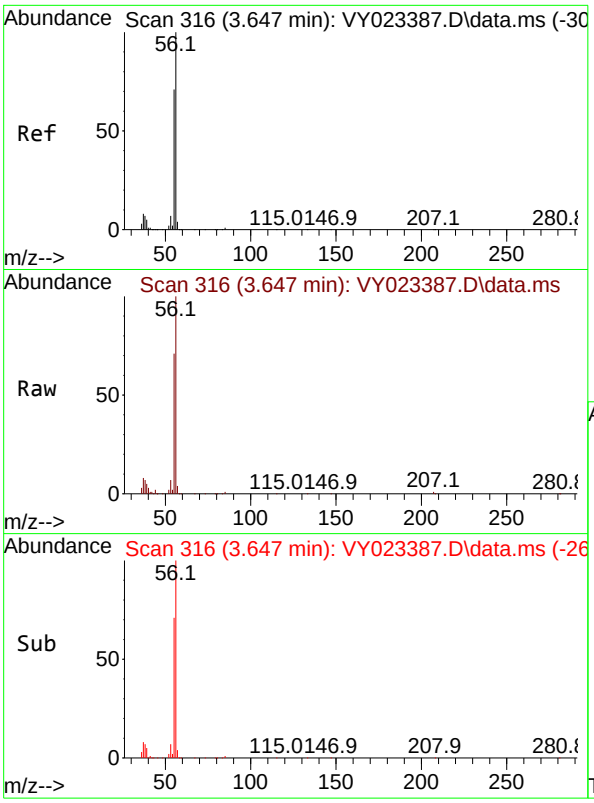


#12
1,1-Dichloroethene
Concen: 45.738 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

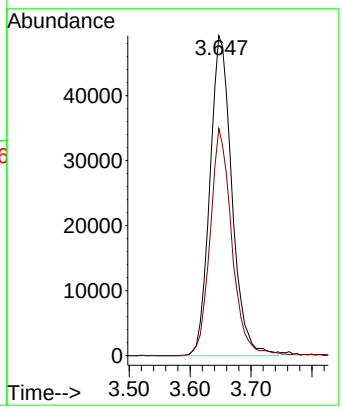




#13
Acrolein
Concen: 242.575 ug/l
RT: 3.647 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 56 Resp: 12364

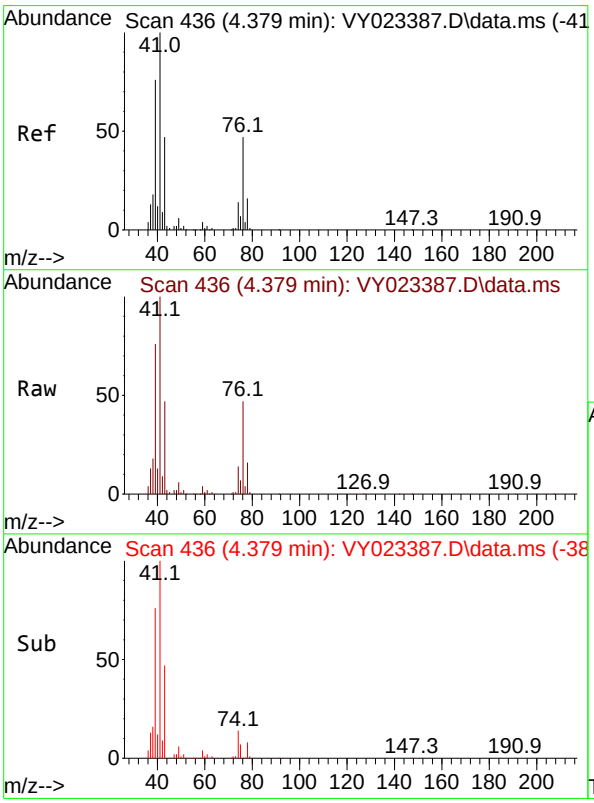
Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

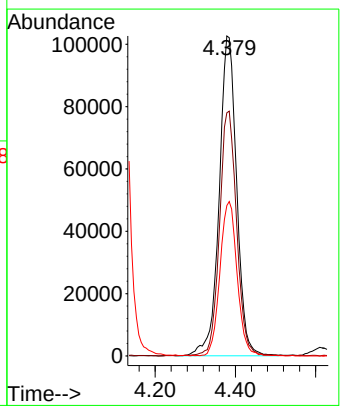
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

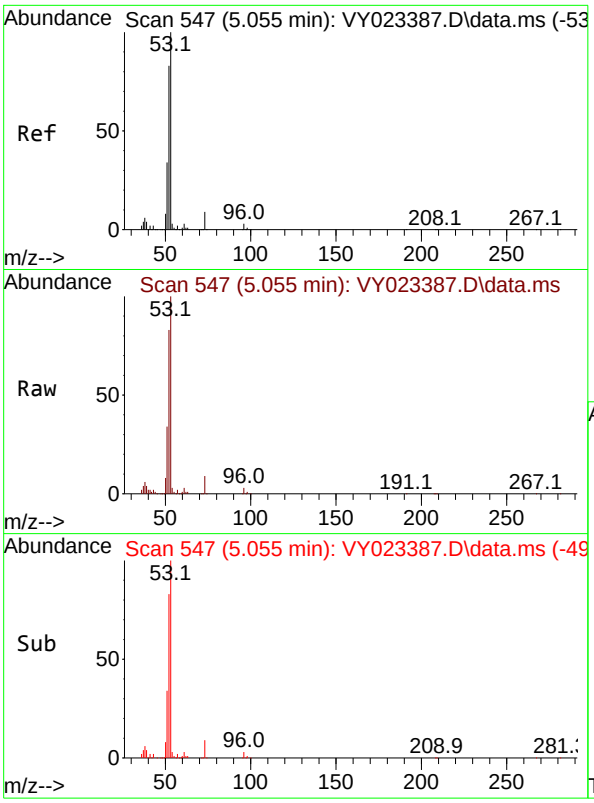


#14
Allyl chloride
Concen: 44.989 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

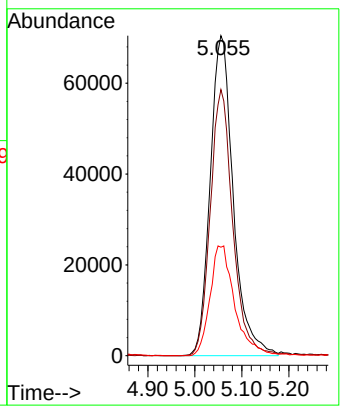




#15
Acrylonitrile
Concen: 219.075 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 53 Resp: 24066

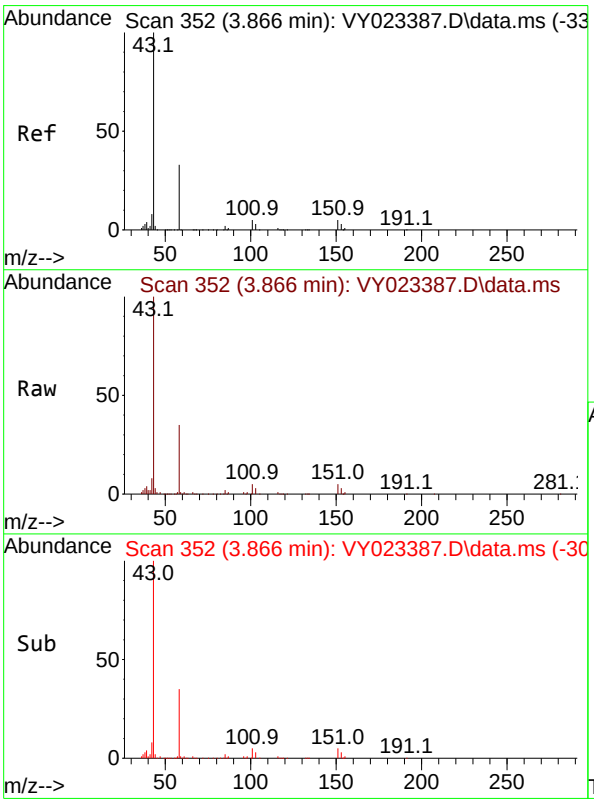
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.6	97.0
51	36.9	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

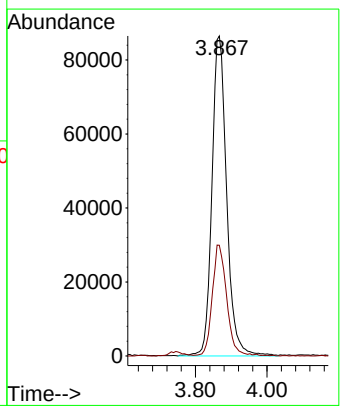
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

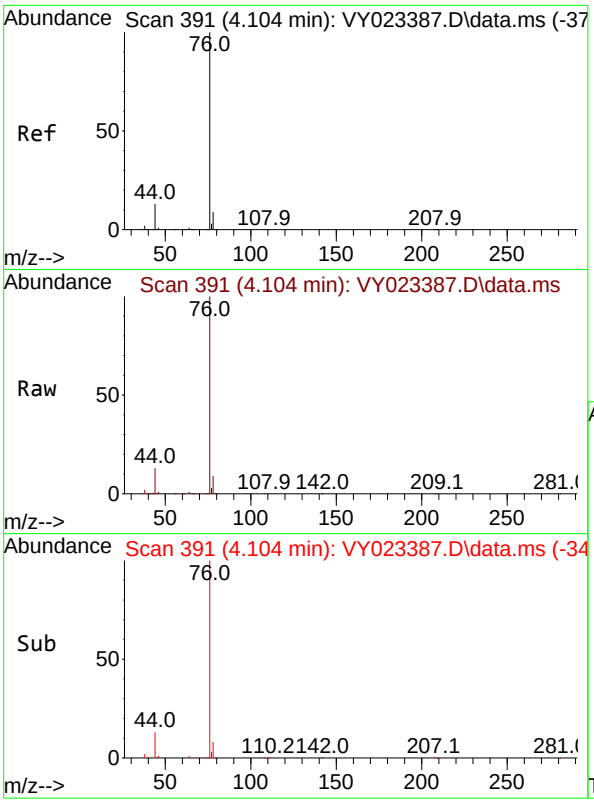


#16
Acetone
Concen: 214.955 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 247122

Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.7	41.5

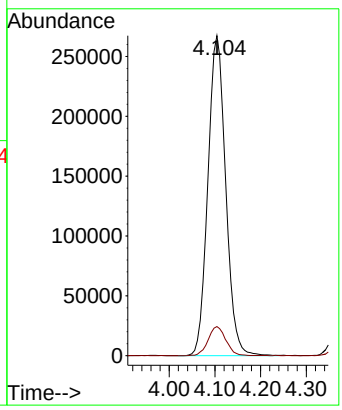




#17
Carbon Disulfide
Concen: 42.028 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 76 Resp: 72298

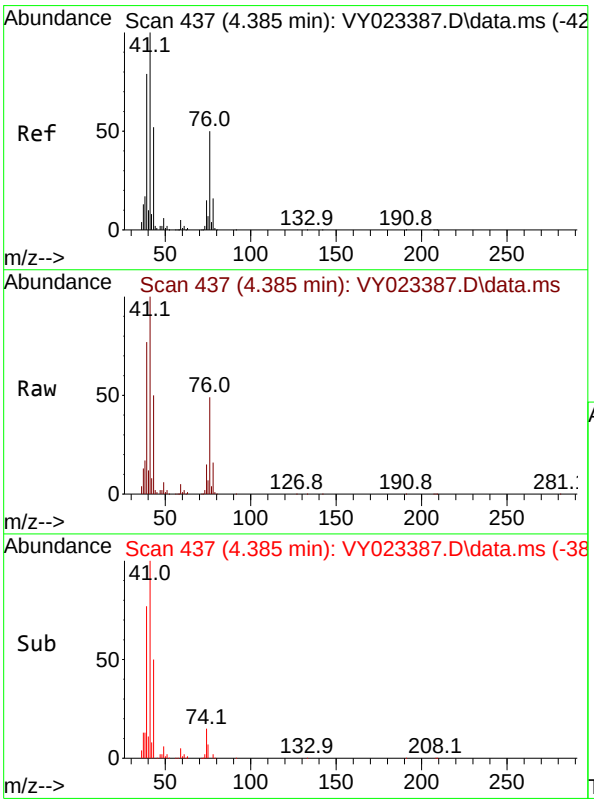
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

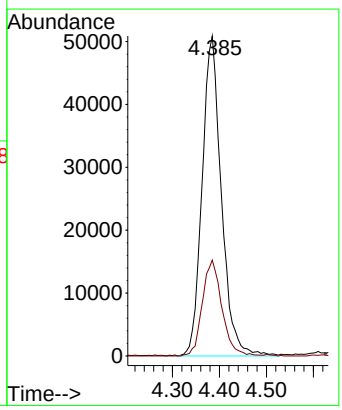
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

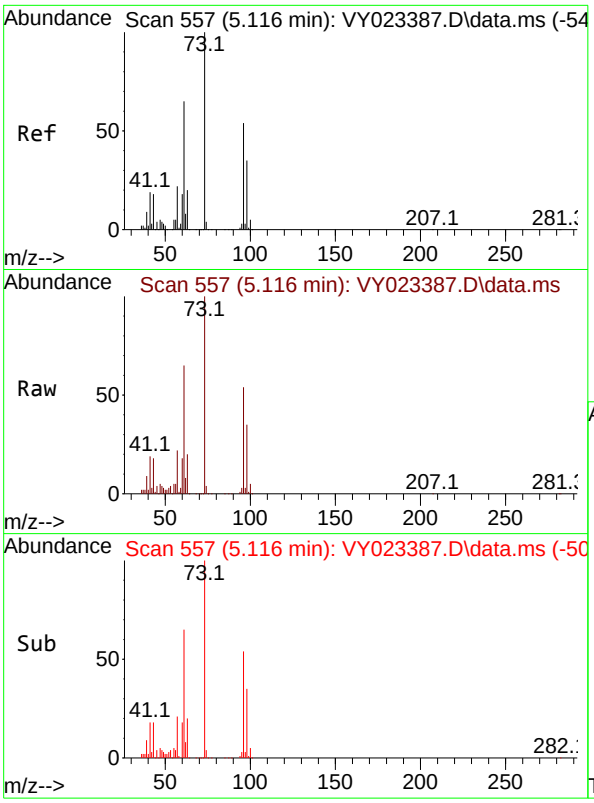


#18
Methyl Acetate
Concen: 49.563 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 144816

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4

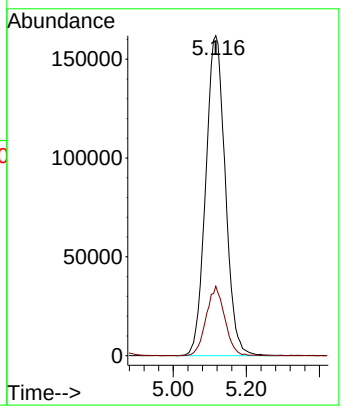




#19
Methyl tert-butyl Ether
Concen: 46.626 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 73 Resp: 60193

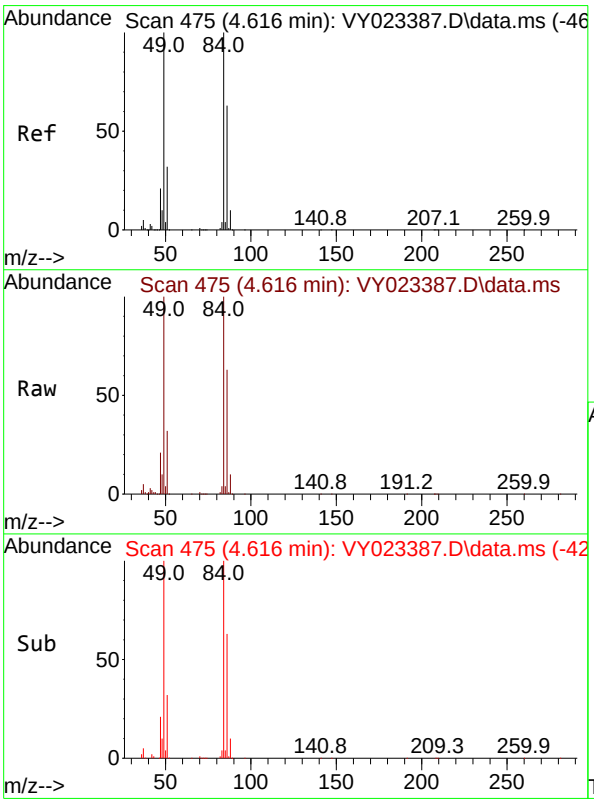
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

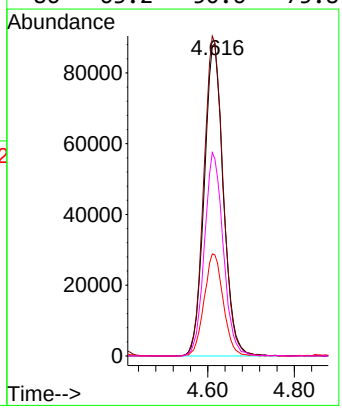
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

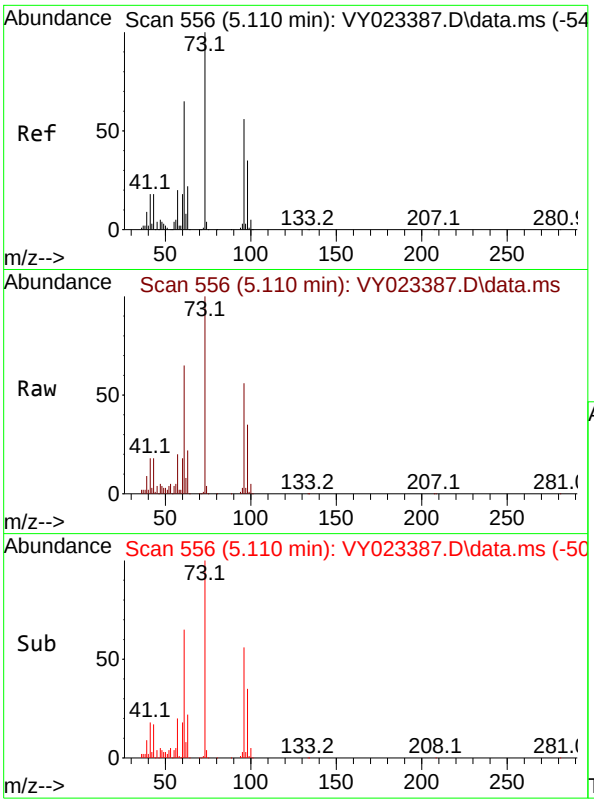


#20
Methylene Chloride
Concen: 43.409 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

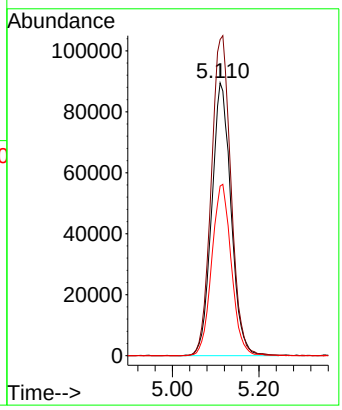




#21
trans-1,2-Dichloroethene
Concen: 45.256 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 96 Resp: 27751(

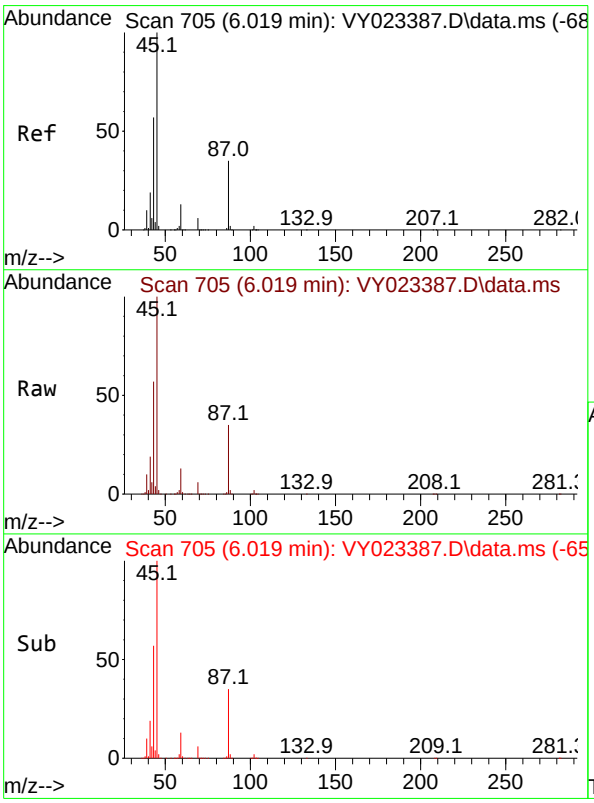
Ion	Ratio	Lower	Upper
96	100		
61	115.9	92.7	139.1
98	62.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

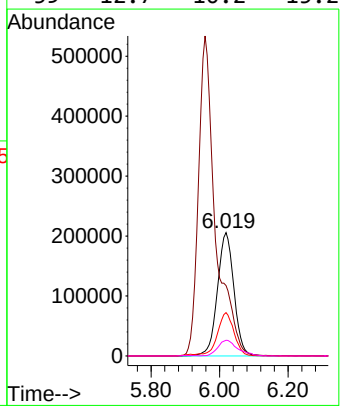
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

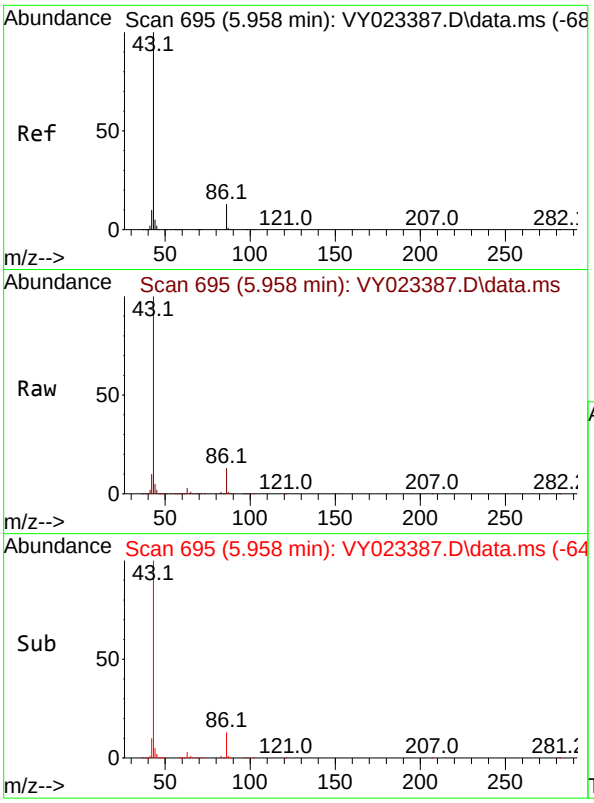


#22
Diisopropyl ether
Concen: 44.844 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

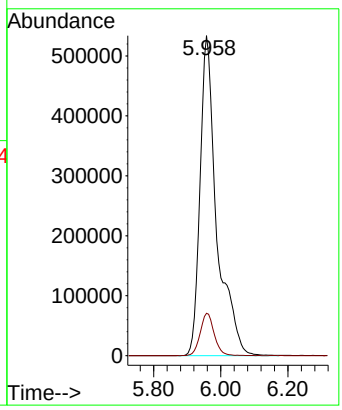




#23
Vinyl Acetate
Concen: 219.119 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 184378

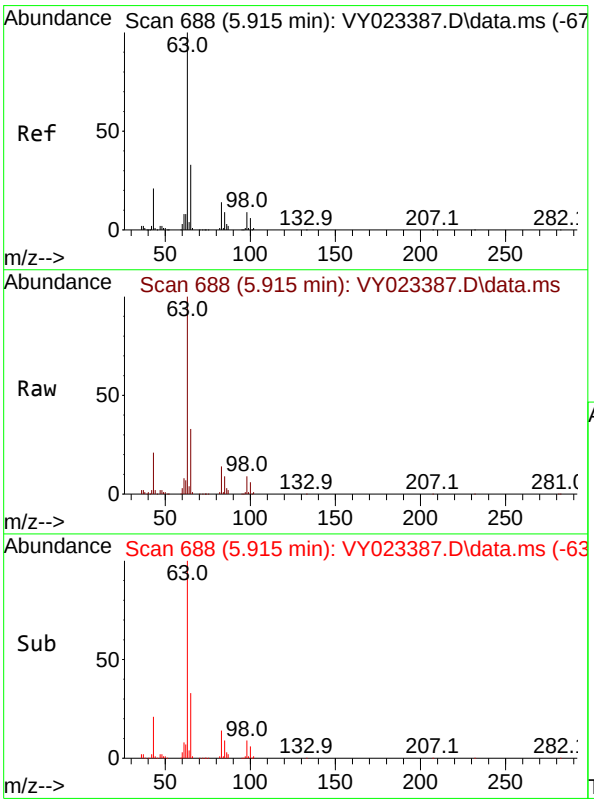
Ion	Ratio	Lower	Upper
43	100		
86	13.2	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

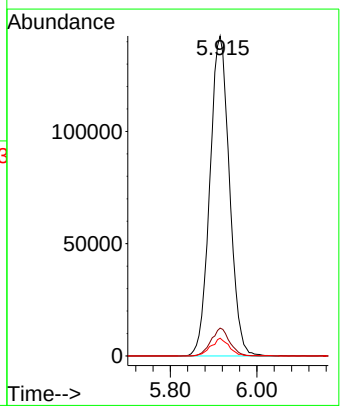
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

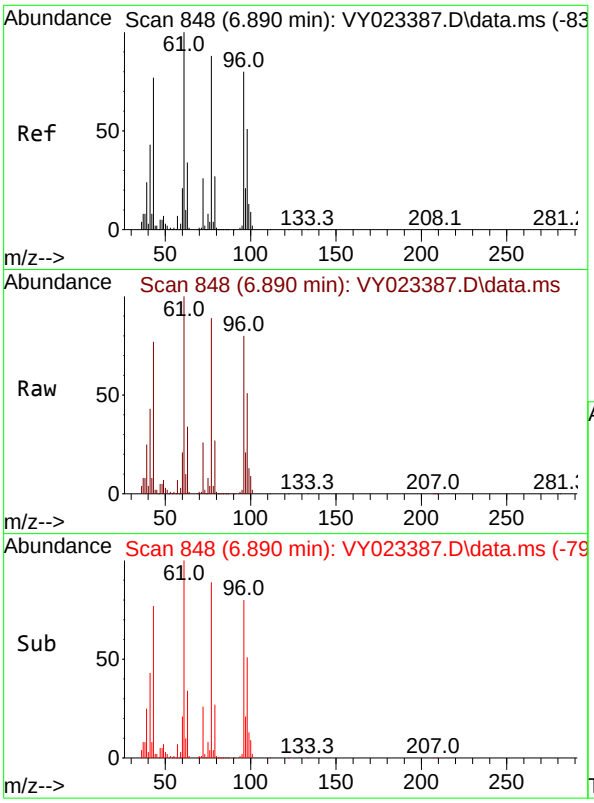


#24
1,1-Dichloroethane
Concen: 44.423 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

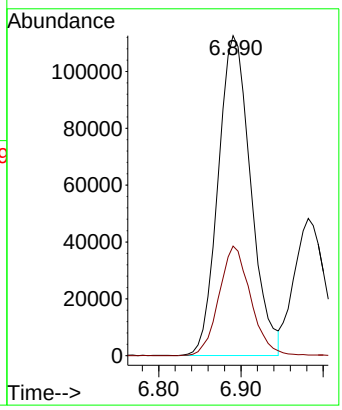




#25
2-Butanone
Concen: 218.327 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 31023

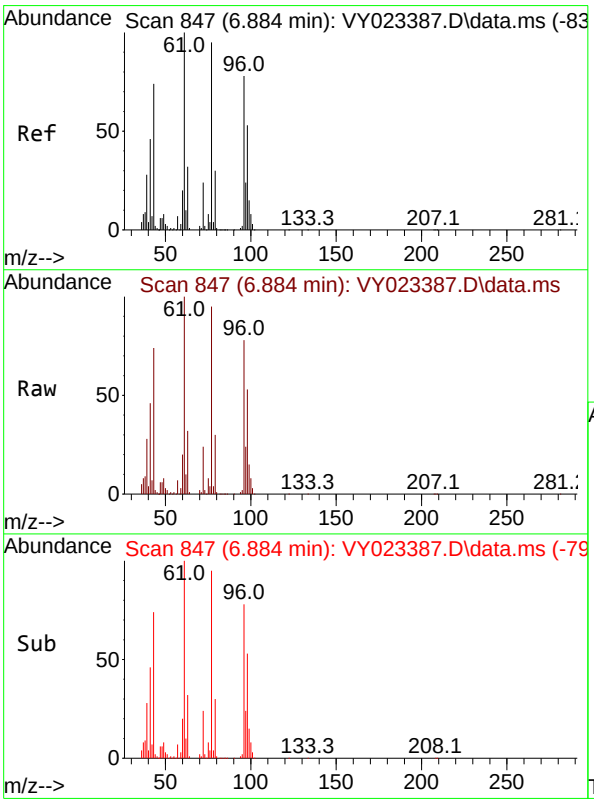
Ion	Ratio	Lower	Upper
43	100		
72	34.3	27.4	41.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

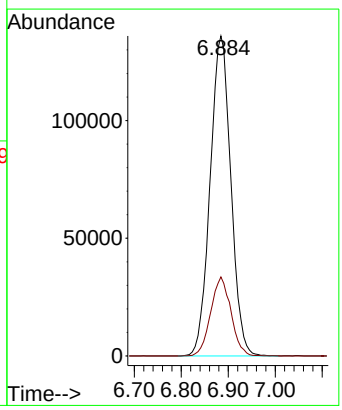
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

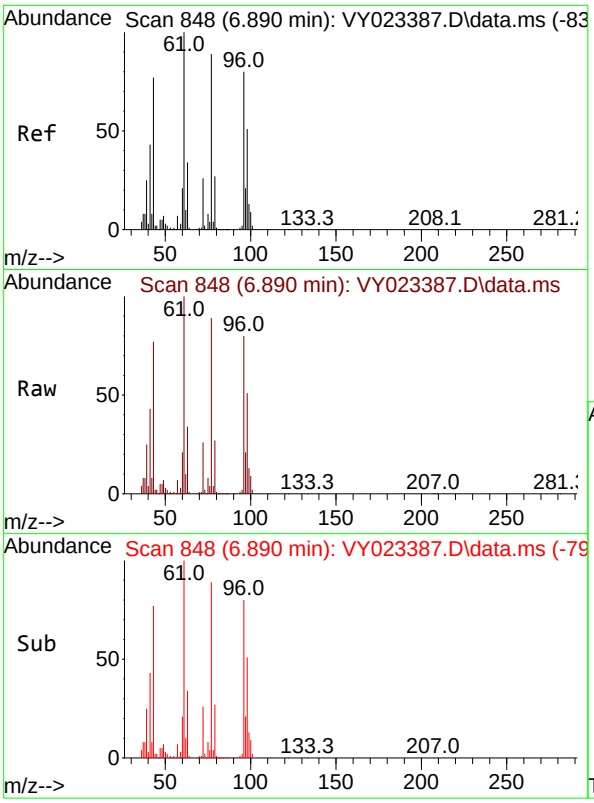


#26
2,2-Dichloropropane
Concen: 46.440 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

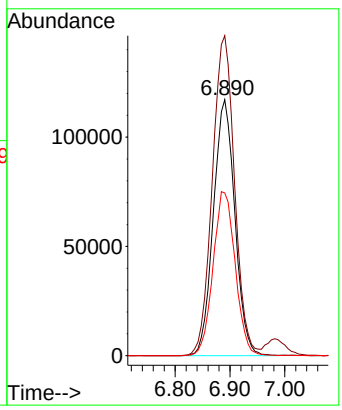
Tgt Ion: 96 Resp: 32002

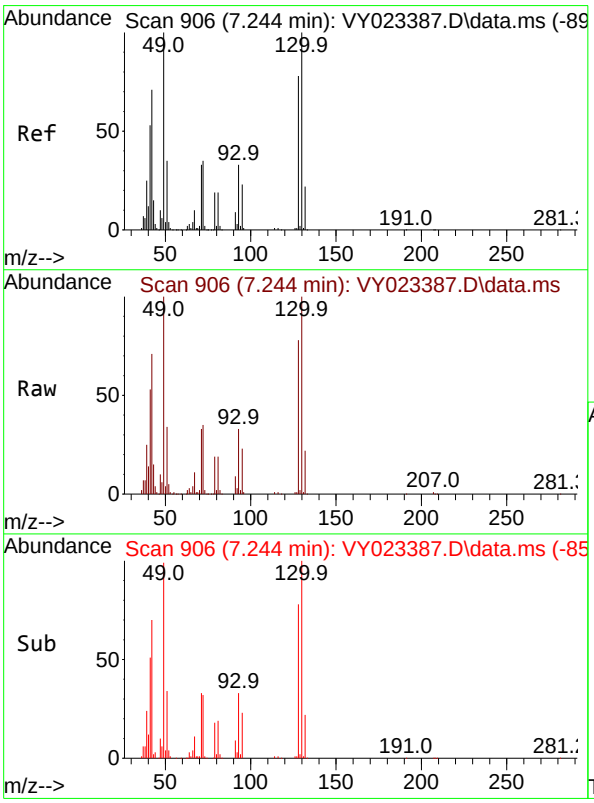
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	258.2
98	66.0	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

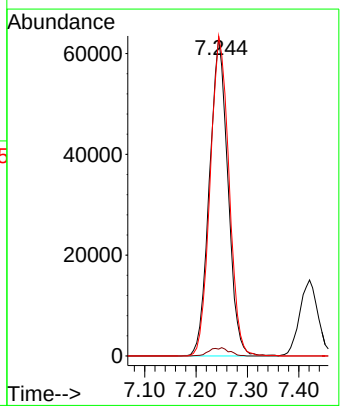


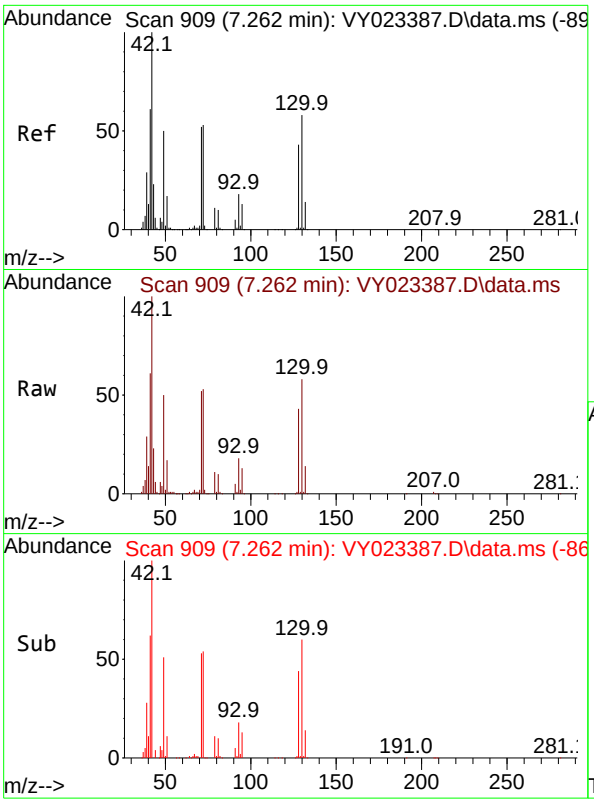


#28
Bromochloromethane
Concen: 40.211 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

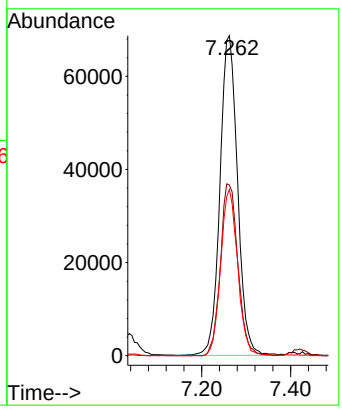




#29
Tetrahydrofuran
Concen: 222.653 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 42 Resp: 18778

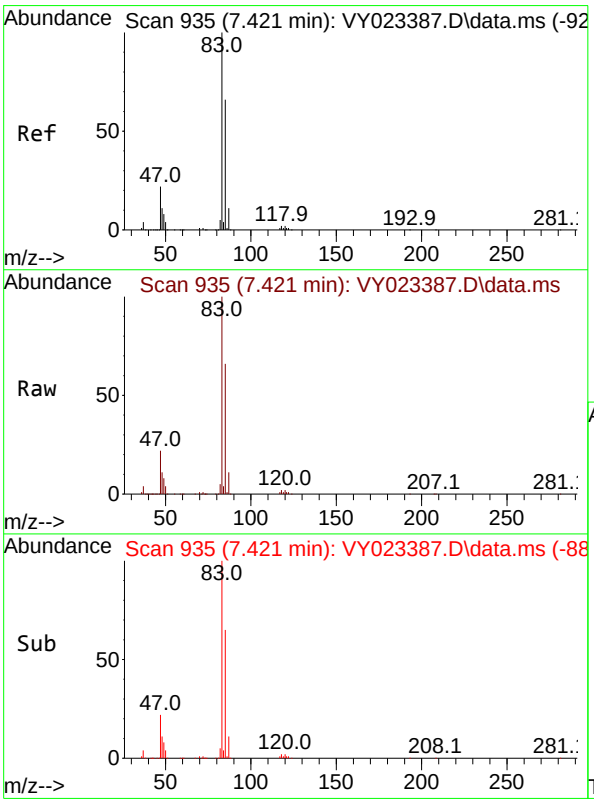
Ion	Ratio	Lower	Upper
42	100		
72	53.8	43.0	64.6
71	50.1	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

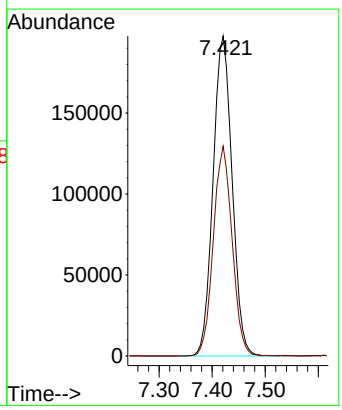
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

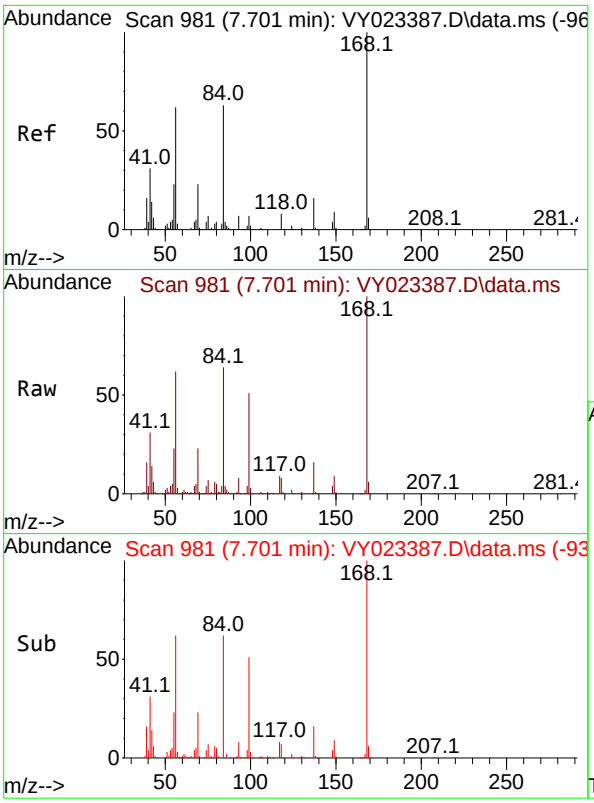


#30
Chloroform
Concen: 45.316 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 493098

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7

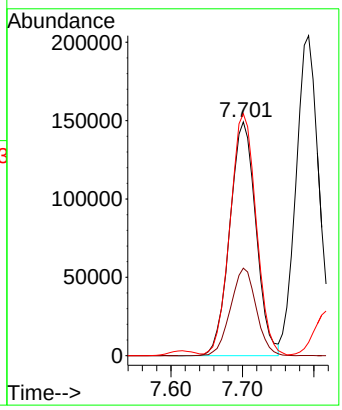




#31
Cyclohexane
Concen: 42.602 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 56 Resp: 37964

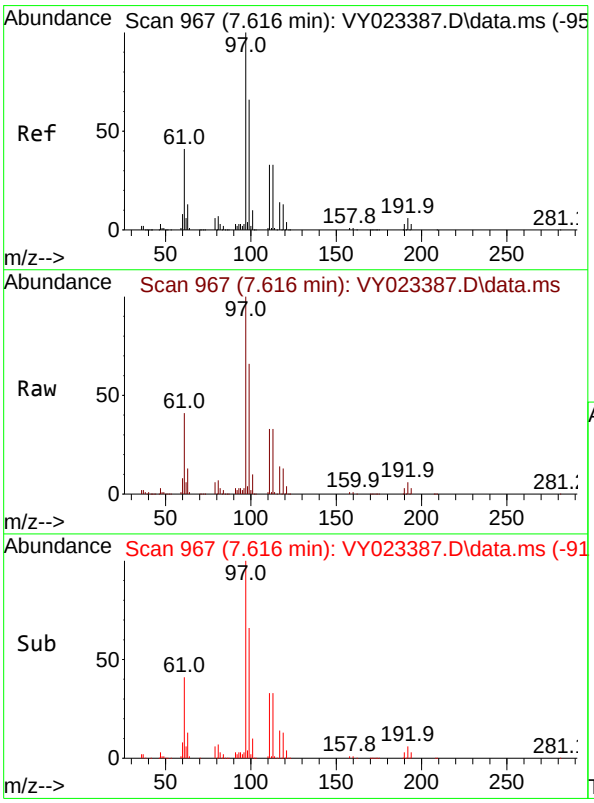
Ion	Ratio	Lower	Upper
56	100		
69	37.5	30.0	45.0
84	101.5	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

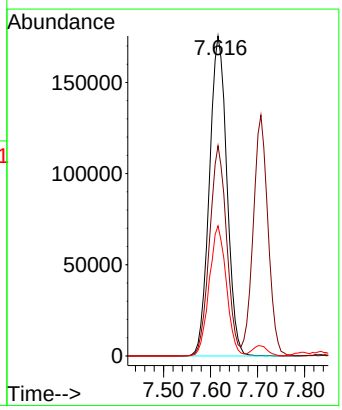
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

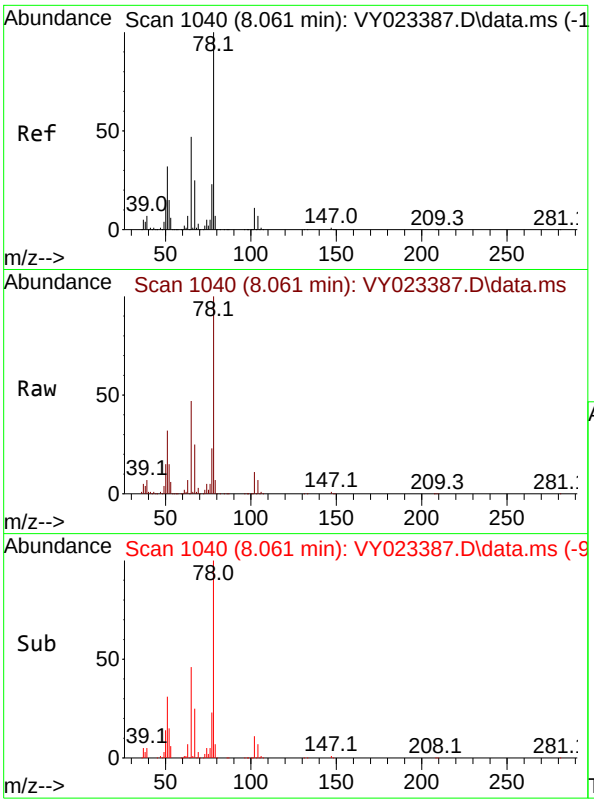


#32
1,1,1-Trichloroethane
Concen: 46.347 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

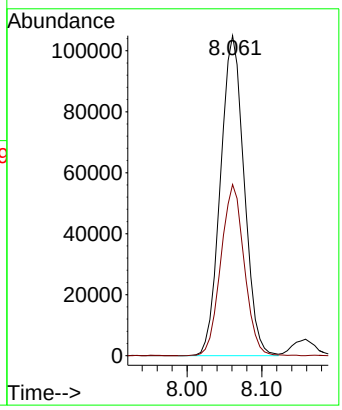




#33
1,2-Dichloroethane-d4
Concen: 45.240 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 65 Resp: 2312

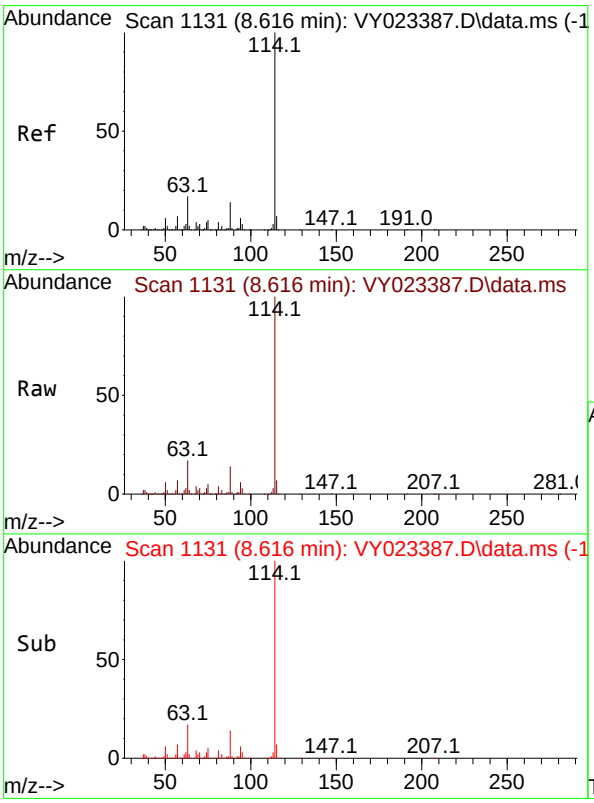
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

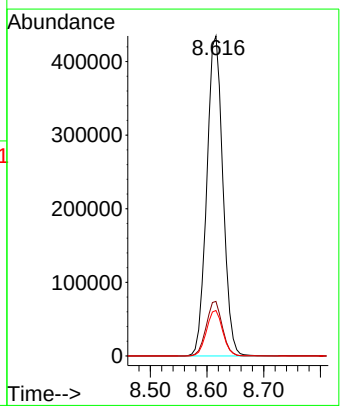
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

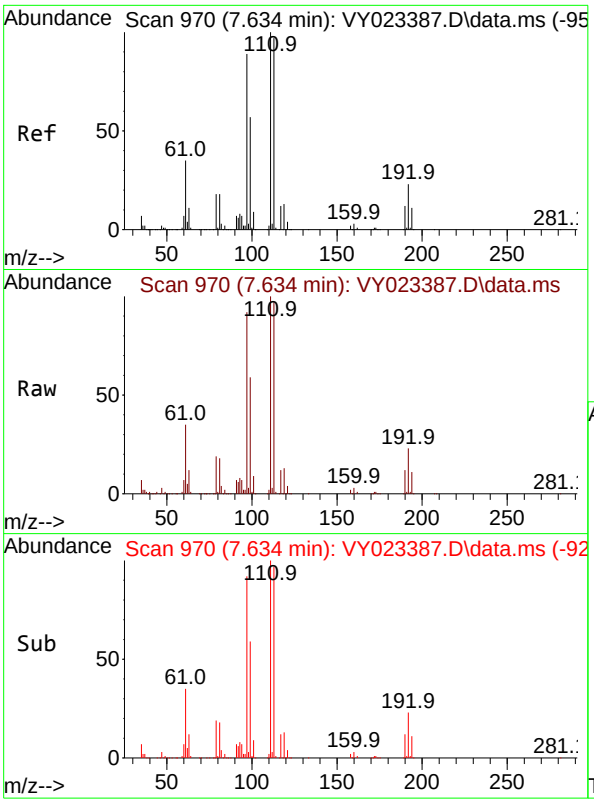


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

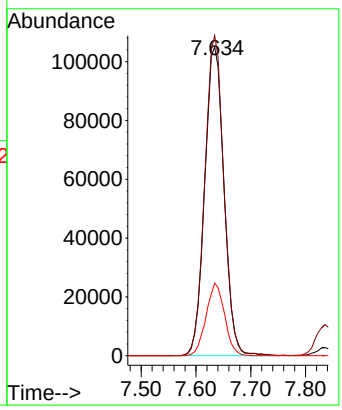




#35
Dibromofluoromethane
Concen: 49.185 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:113 Resp: 25633

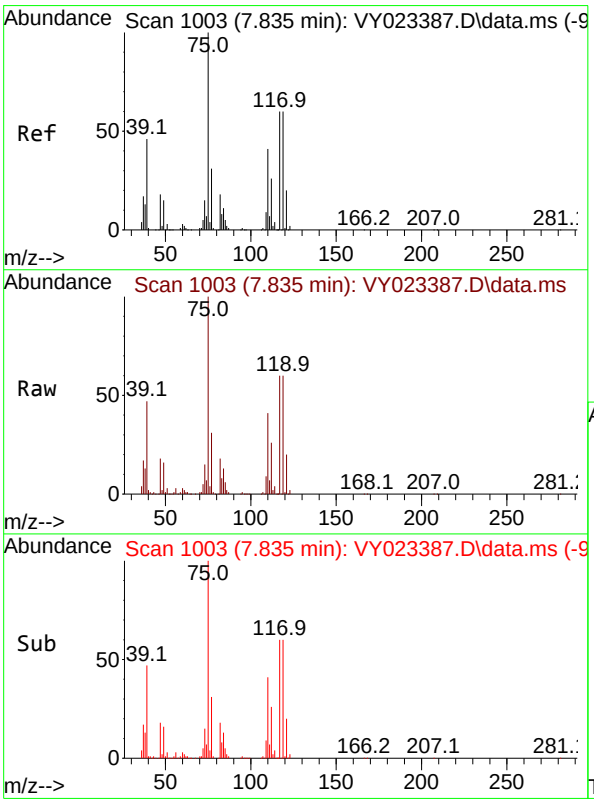
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	22.5	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

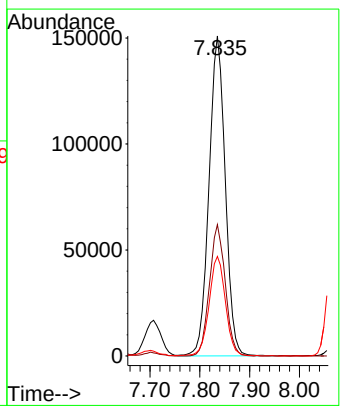
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

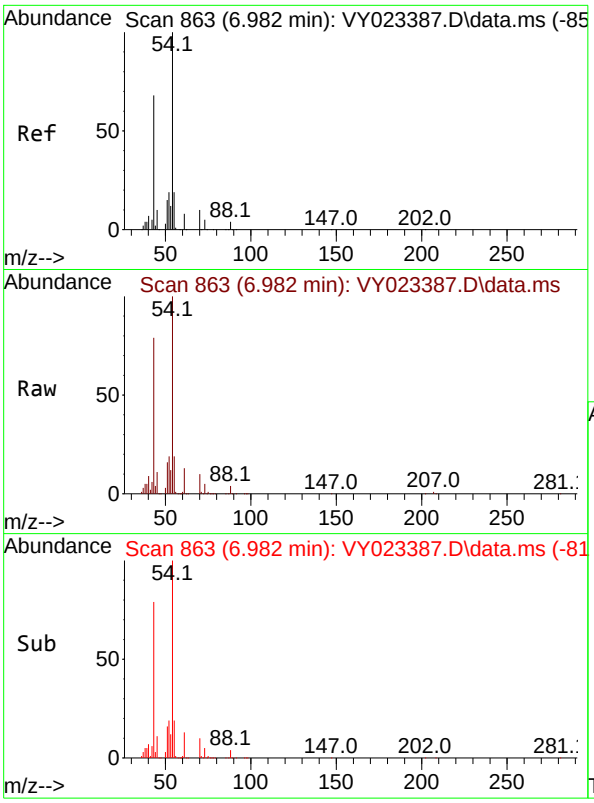


#36
1,1-Dichloropropene
Concen: 46.424 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

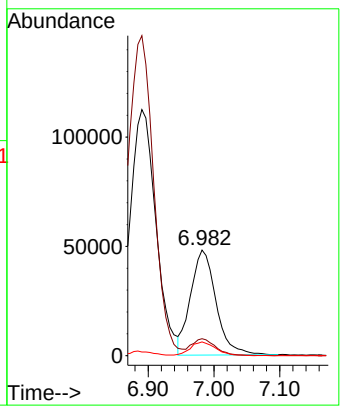




#37
Ethyl Acetate
Concen: 44.394 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 12905

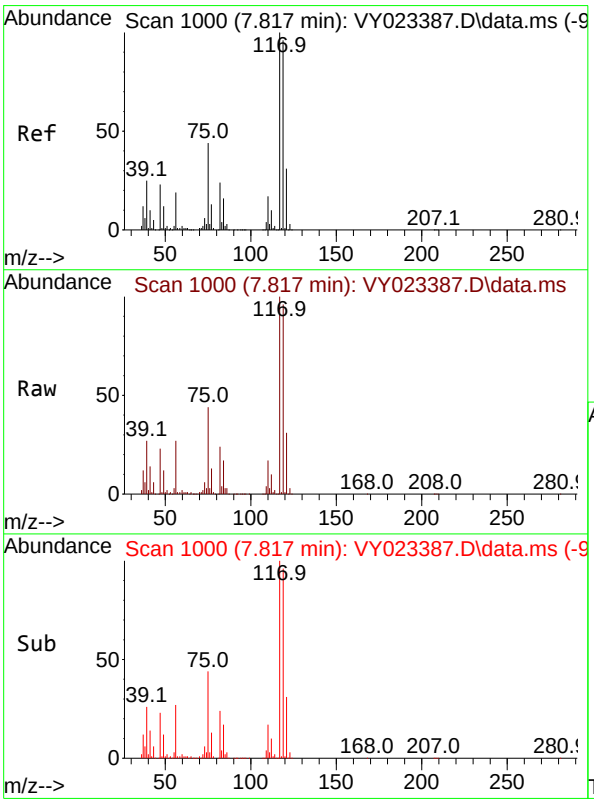
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	13.1	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

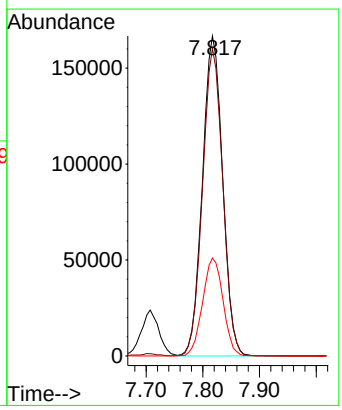
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

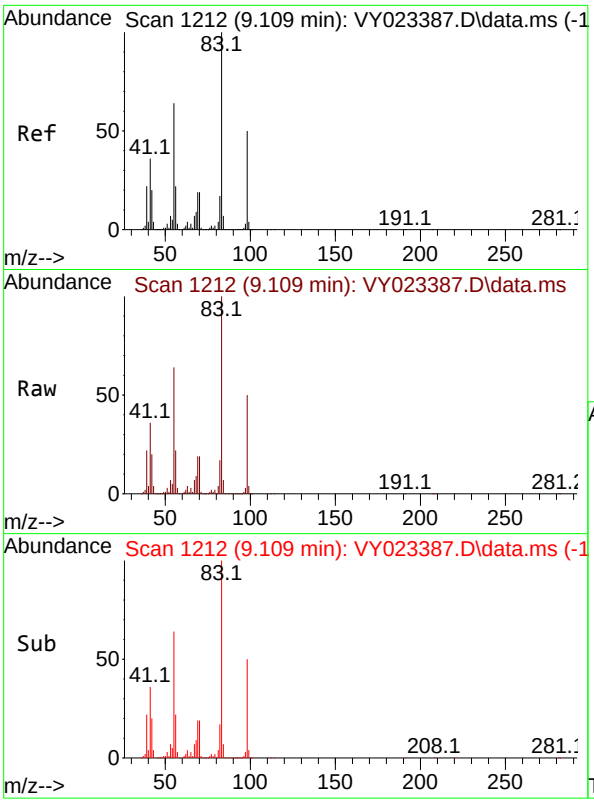


#38
Carbon Tetrachloride
Concen: 48.374 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

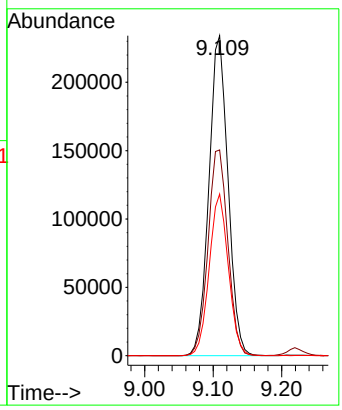




#39
Methylcyclohexane
Concen: 48.113 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 45295

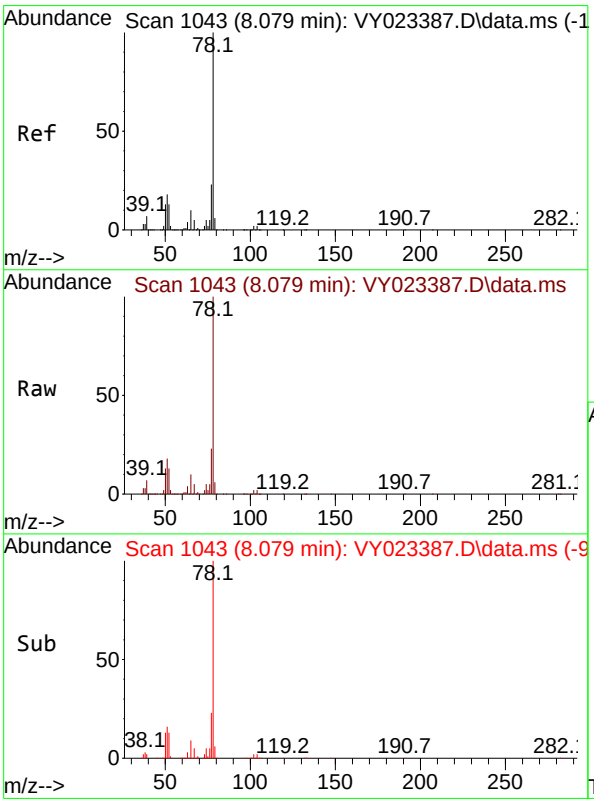
Ion	Ratio	Lower	Upper
83	100		
55	64.3	51.4	77.2
98	50.5	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

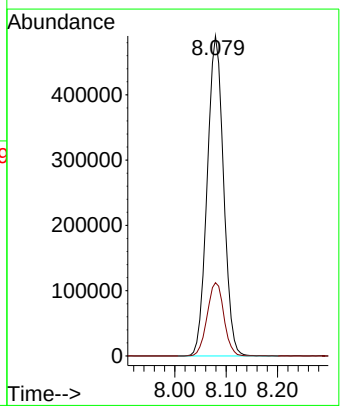
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

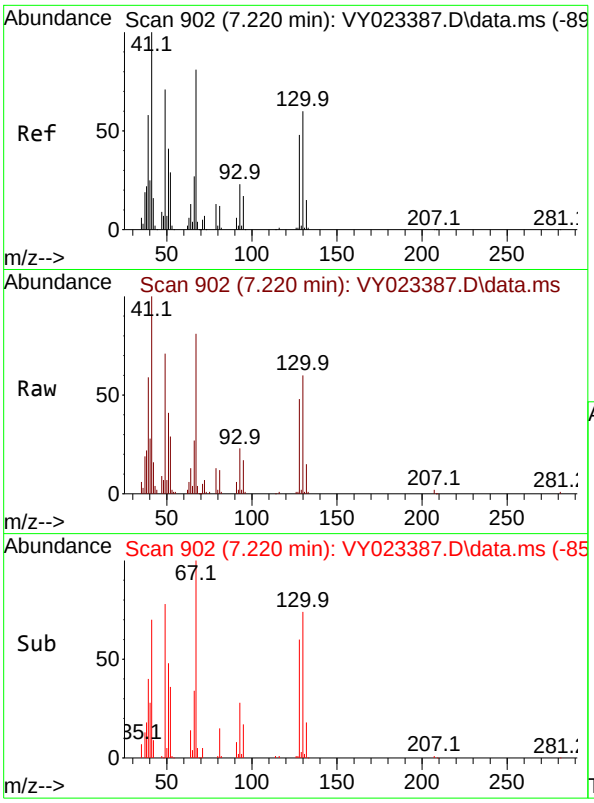


#40
Benzene
Concen: 47.154 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 78 Resp: 1080883

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5

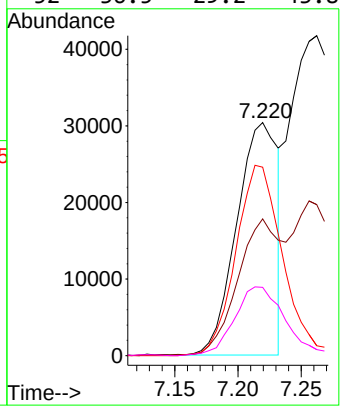




#41
Methacrylonitrile
Concen: 45.399 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 41 Resp: 6854

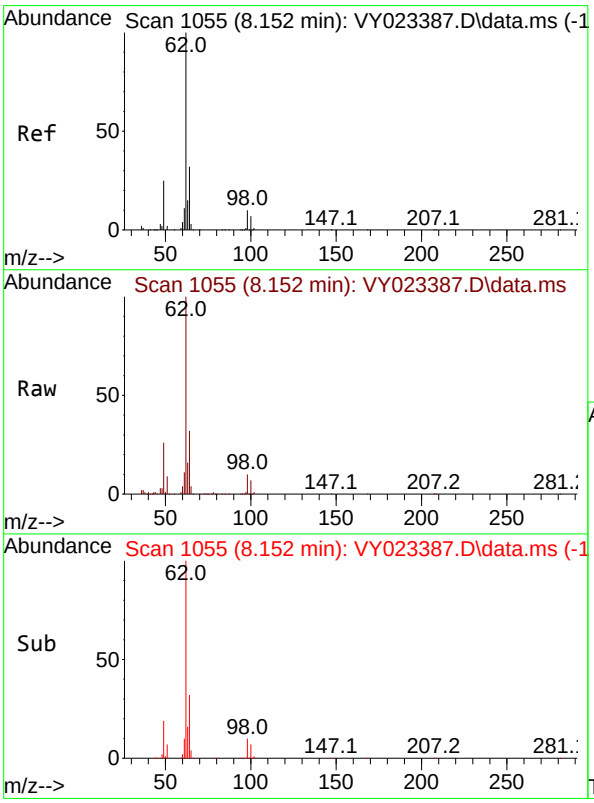
Ion	Ratio	Lower	Upper
41	100		
39	65.3	52.2	78.4
67	93.6	74.9	112.3
52	36.5	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

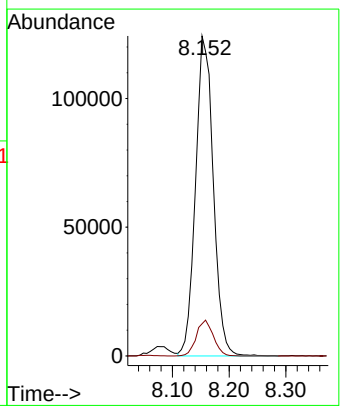
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

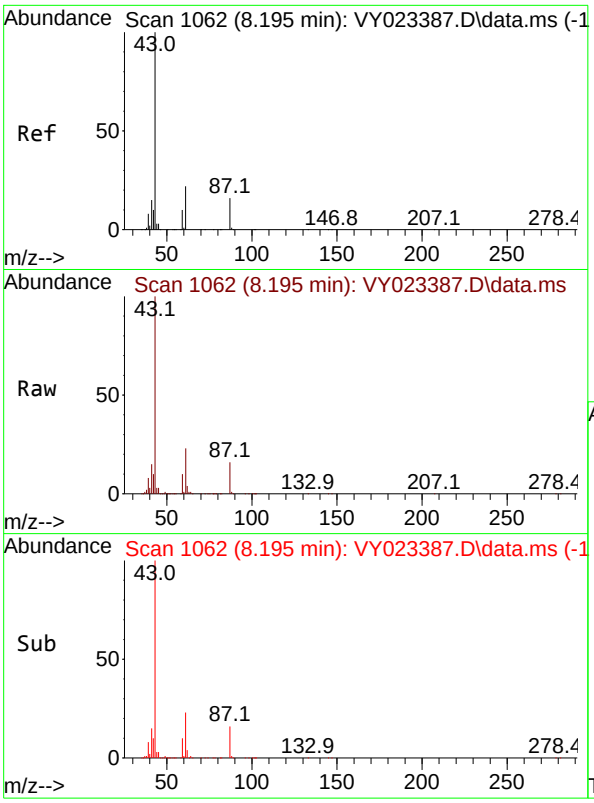


#42
1,2-Dichloroethane
Concen: 46.350 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

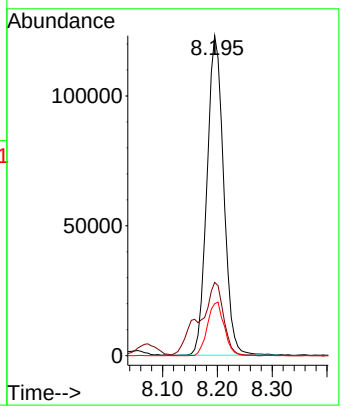
Tgt Ion: 43 Resp: 25904

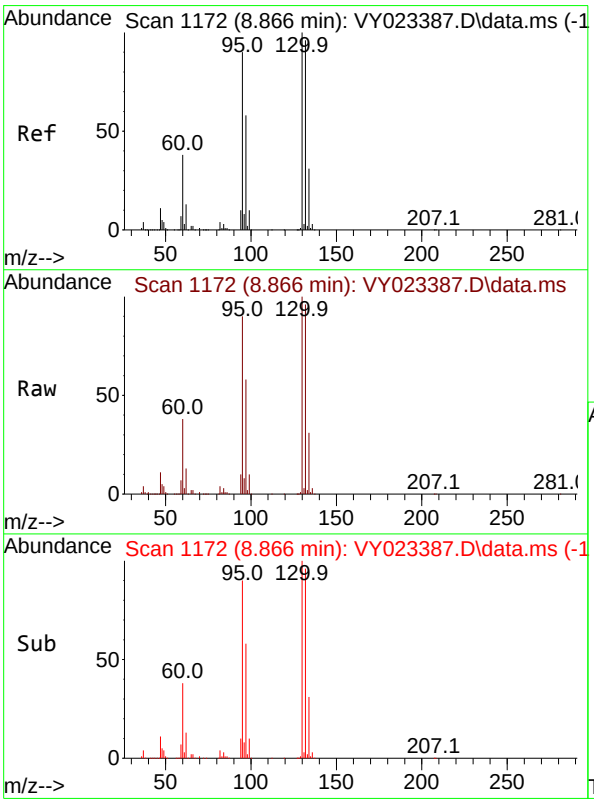
Ion	Ratio	Lower	Upper
43	100		
61	22.6	18.1	27.1
87	16.9	13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

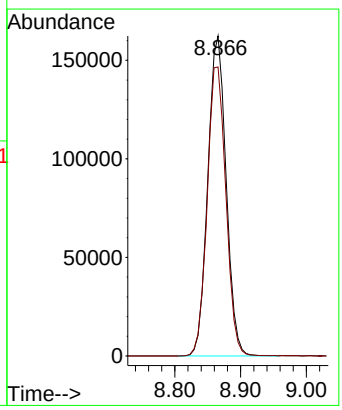


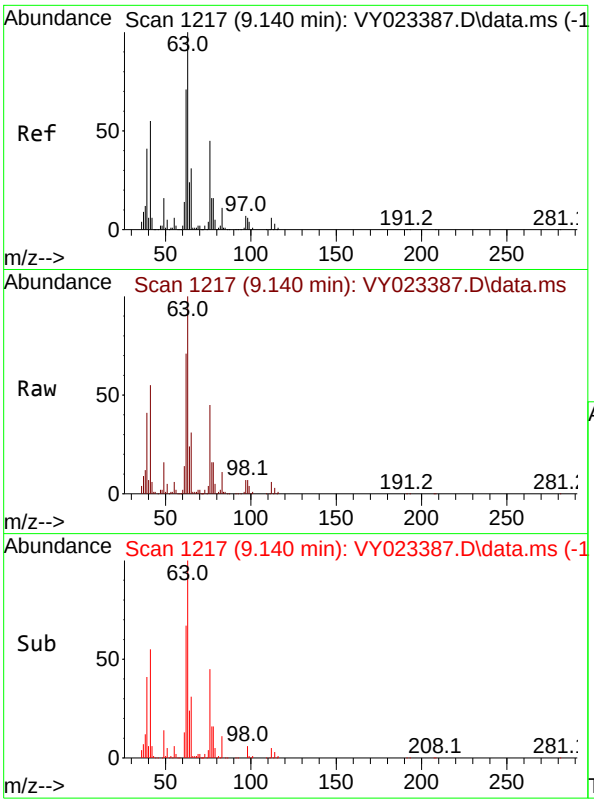


#44
Trichloroethene
Concen: 48.982 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:130 Resp: 315104

Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	180.6

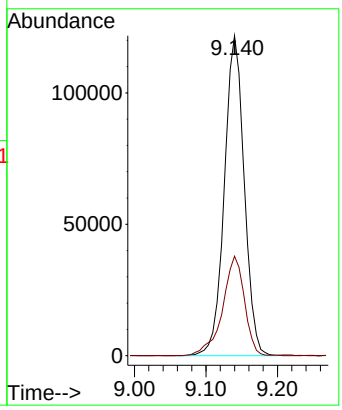




#45
1,2-Dichloropropane
Concen: 45.555 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 63 Resp: 23497

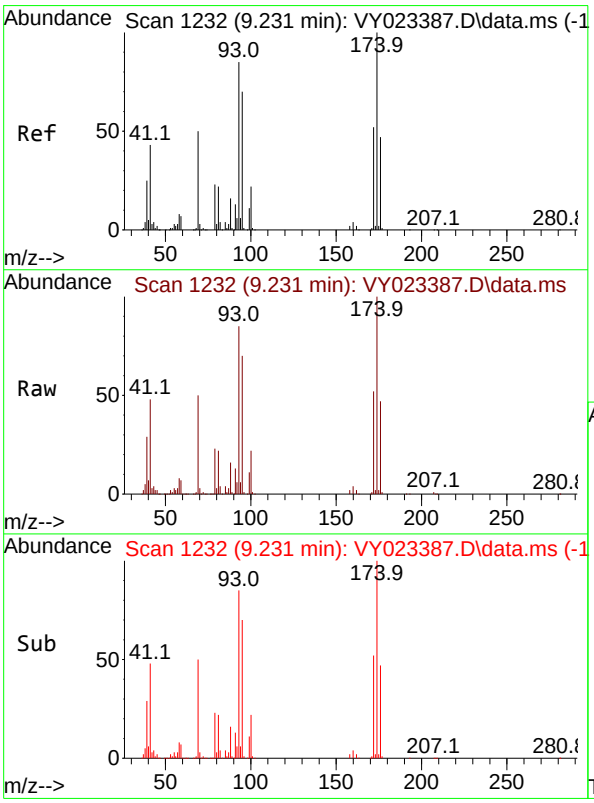
Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

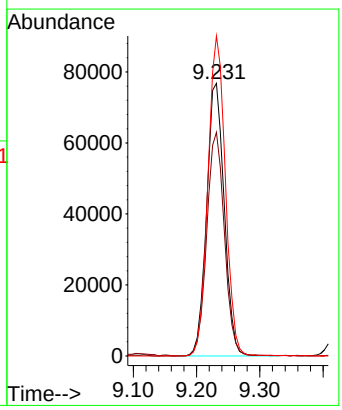
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

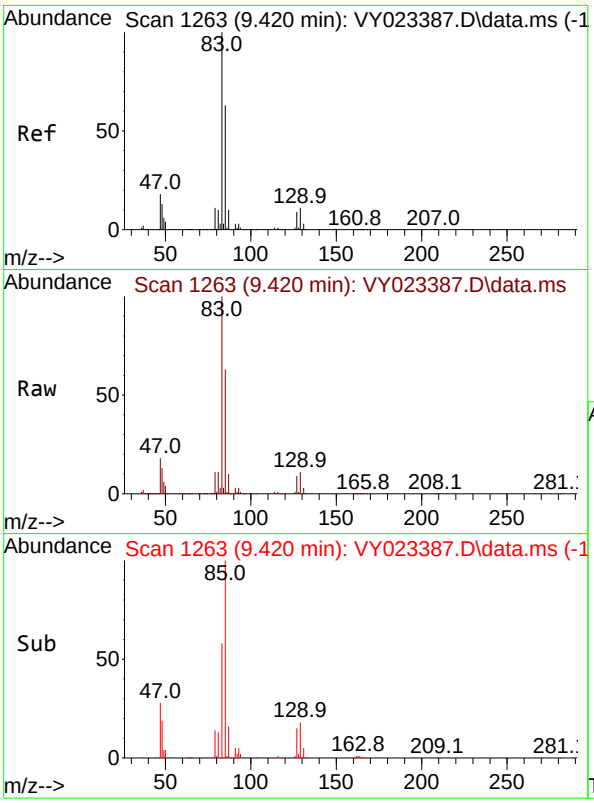


#46
Dibromomethane
Concen: 47.198 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

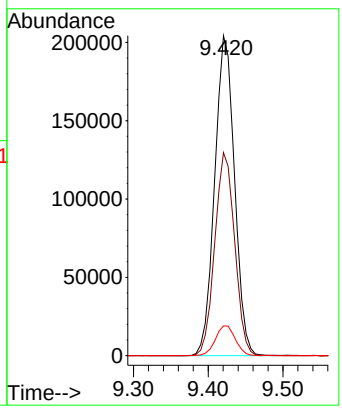




#47
Bromodichloromethane
Concen: 47.482 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 37708

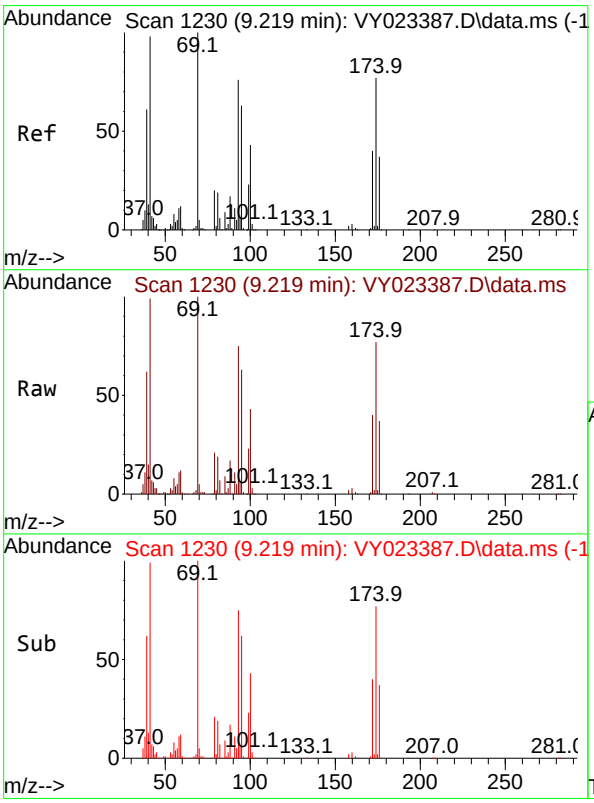
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

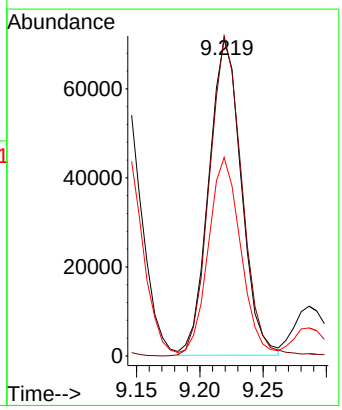
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

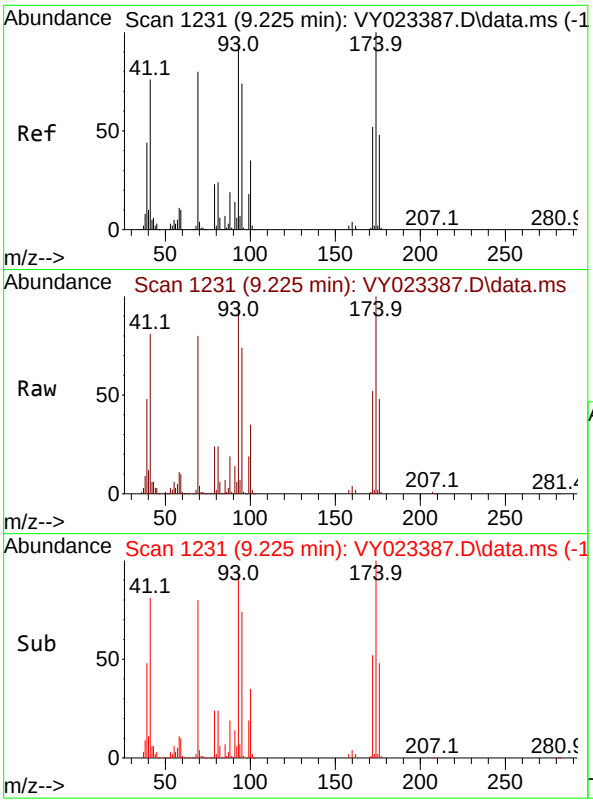


#48
Methyl methacrylate
Concen: 48.027 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

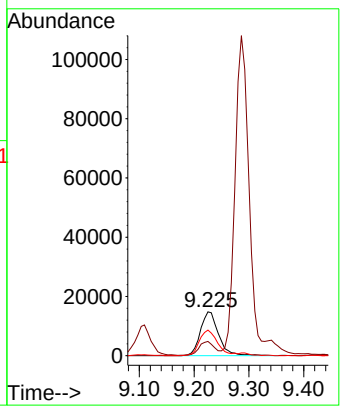
Tgt Ion: 88 Resp: 3405

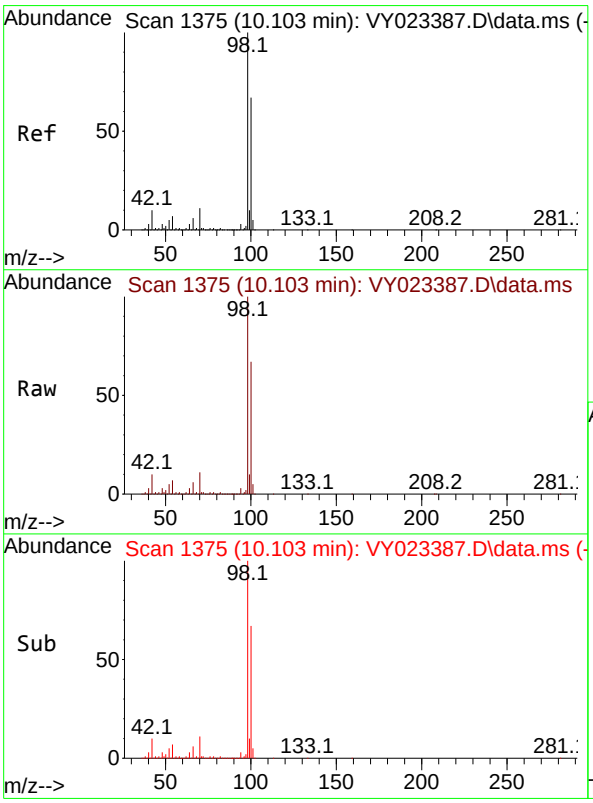
Ion	Ratio	Lower	Upper
88	100		
43	27.3	21.8	32.8
58	58.5	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

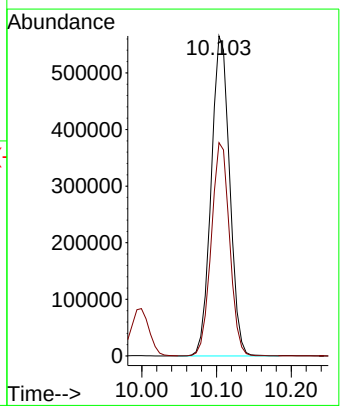


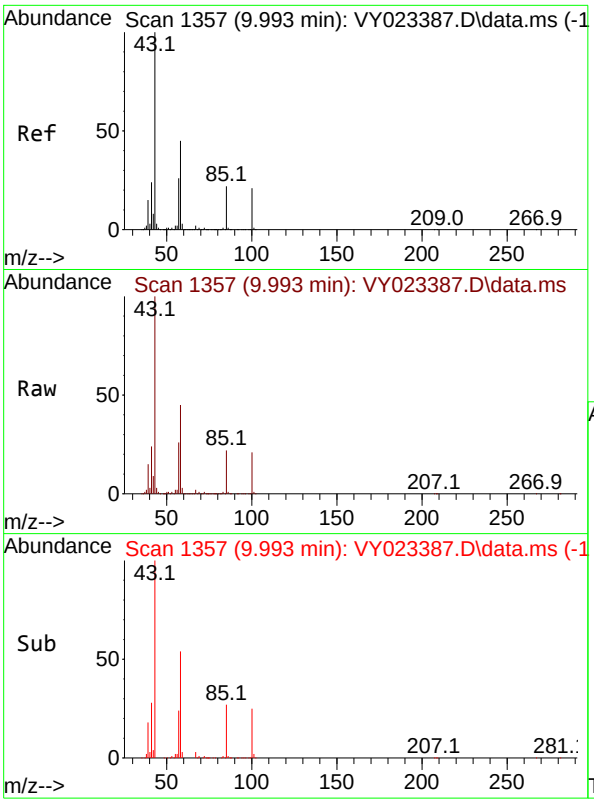


#50
Toluene-d8
Concen: 49.334 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 98 Resp: 969649

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

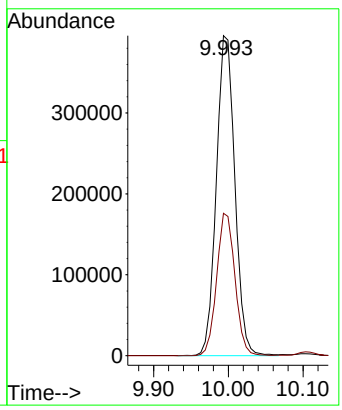




#51
4-Methyl-2-Pentanone
Concen: 235.772 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 43 Resp: 68287

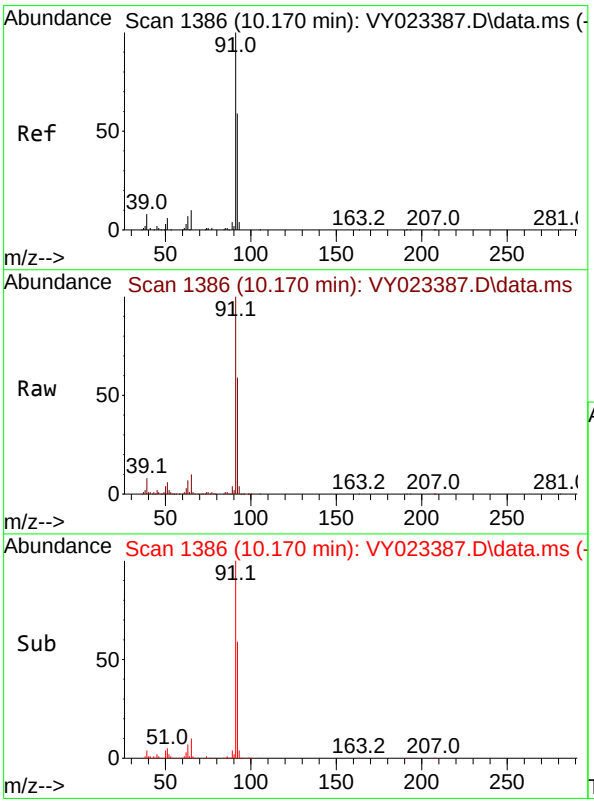
Ion	Ratio	Lower	Upper
43	100		
58	44.1	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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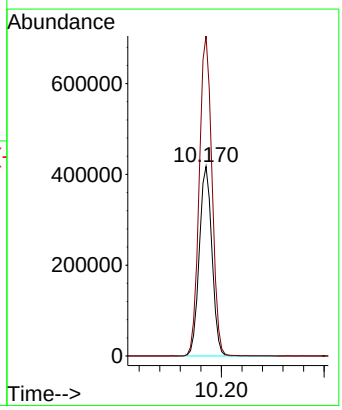
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

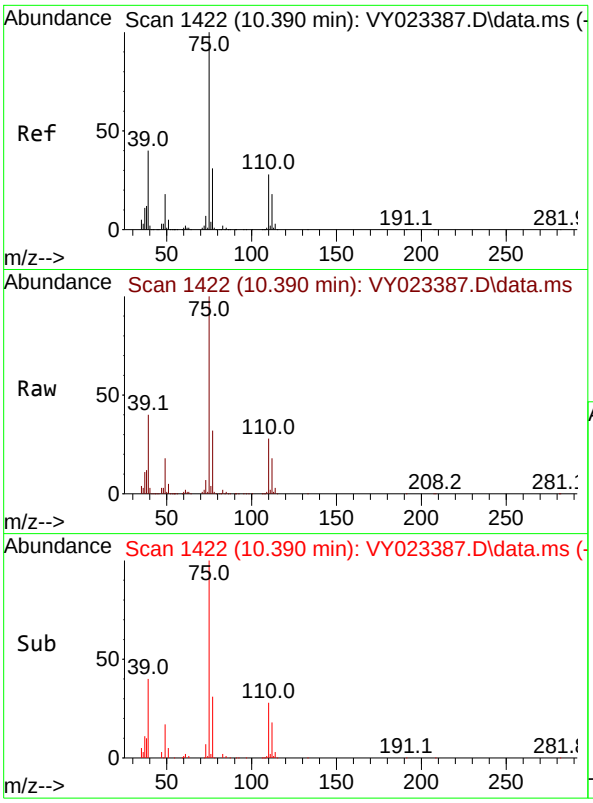


#52
Toluene
Concen: 48.824 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 92 Resp: 710404

Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.4	204.6

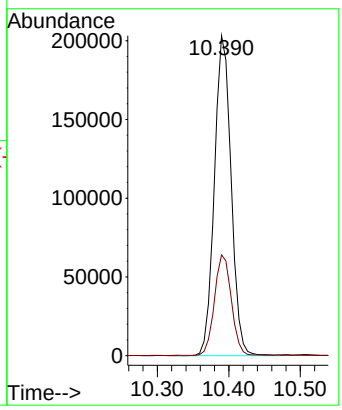




#53
t-1,3-Dichloropropene
Concen: 48.438 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 33039

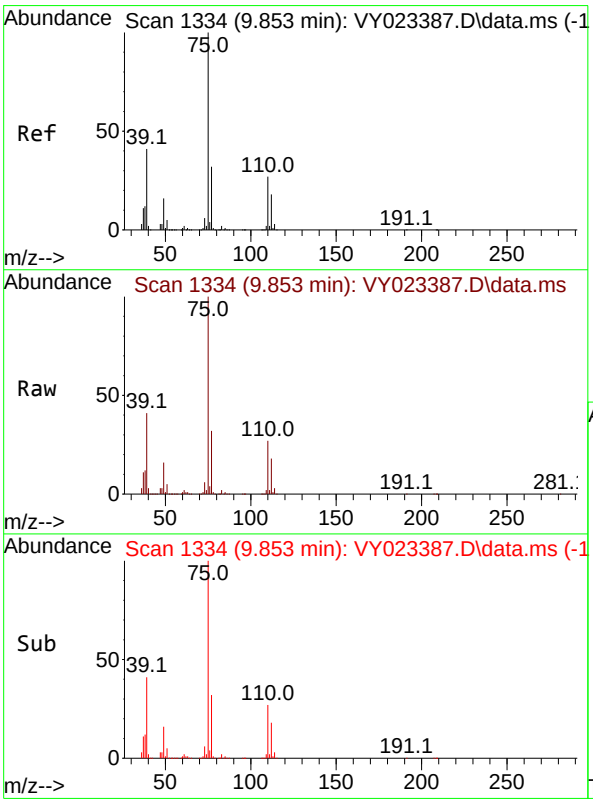
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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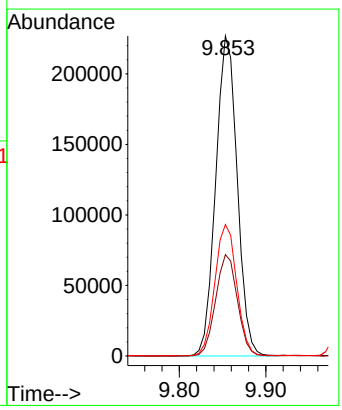
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

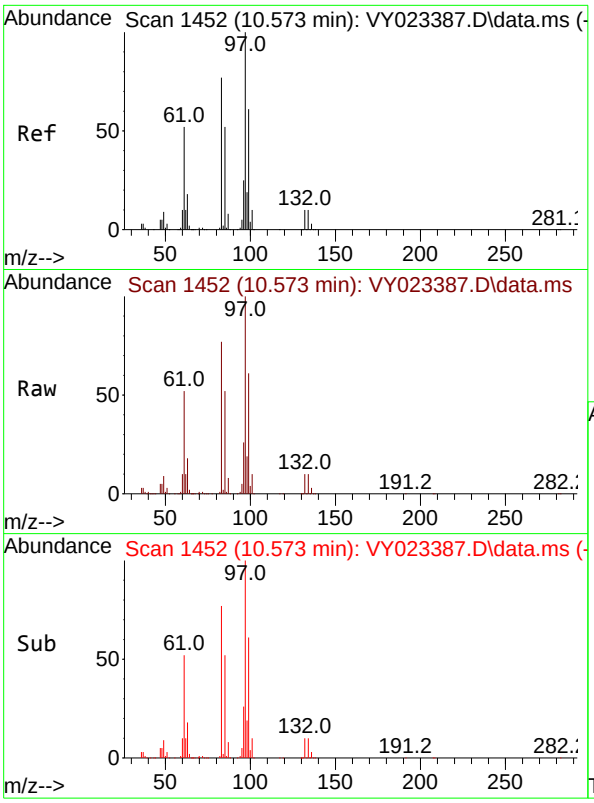


#54
cis-1,3-Dichloropropene
Concen: 47.910 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

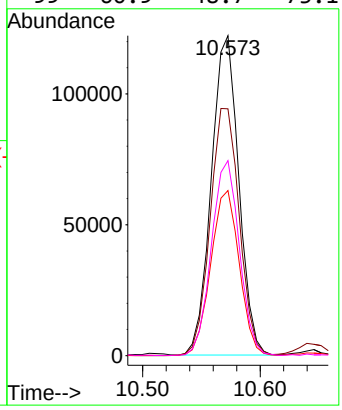




#55
1,1,2-Trichloroethane
Concen: 47.296 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 97 Resp: 19847

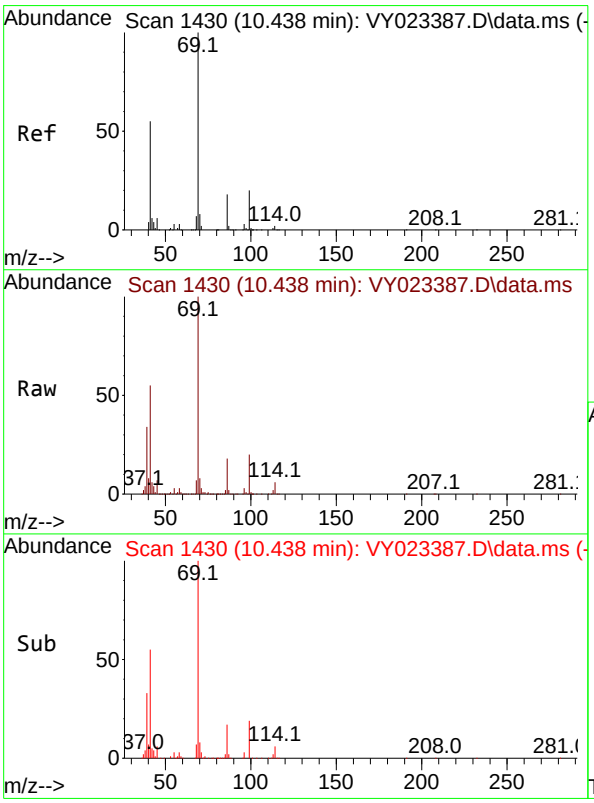
Ion	Ratio	Lower	Upper
97	100		
83	77.2	61.8	92.6
85	51.6	41.3	61.9
99	60.9	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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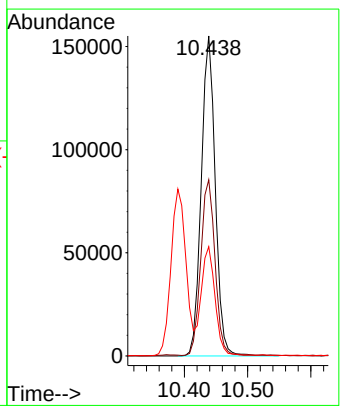
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

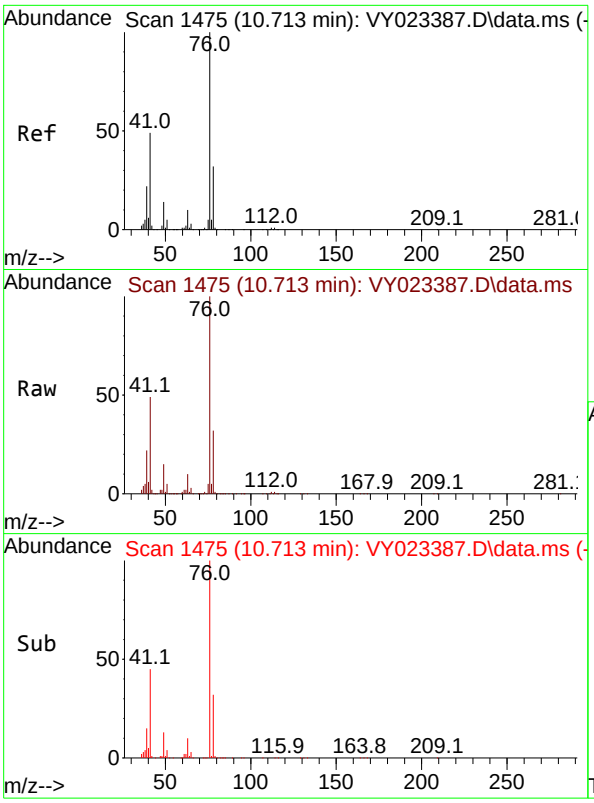


#56
Ethyl methacrylate
Concen: 49.535 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

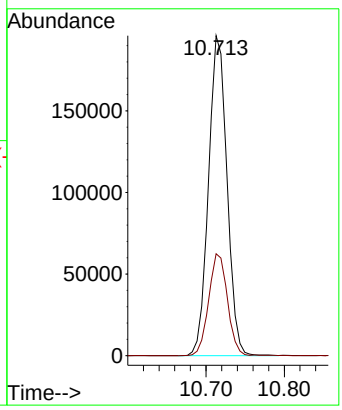




#57
1,3-Dichloropropane
Concen: 47.301 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 76 Resp: 32127(

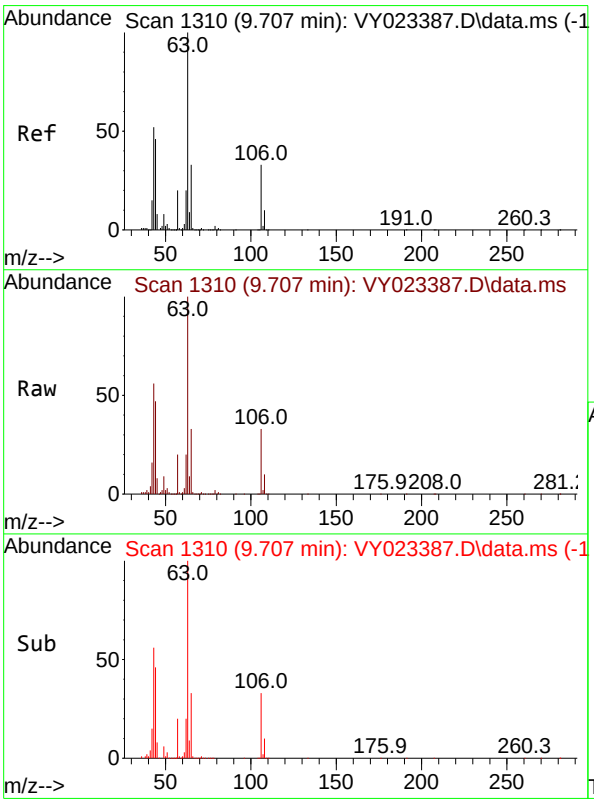
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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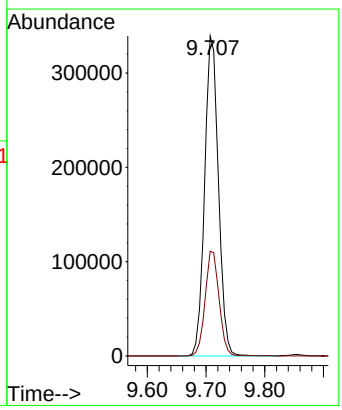
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

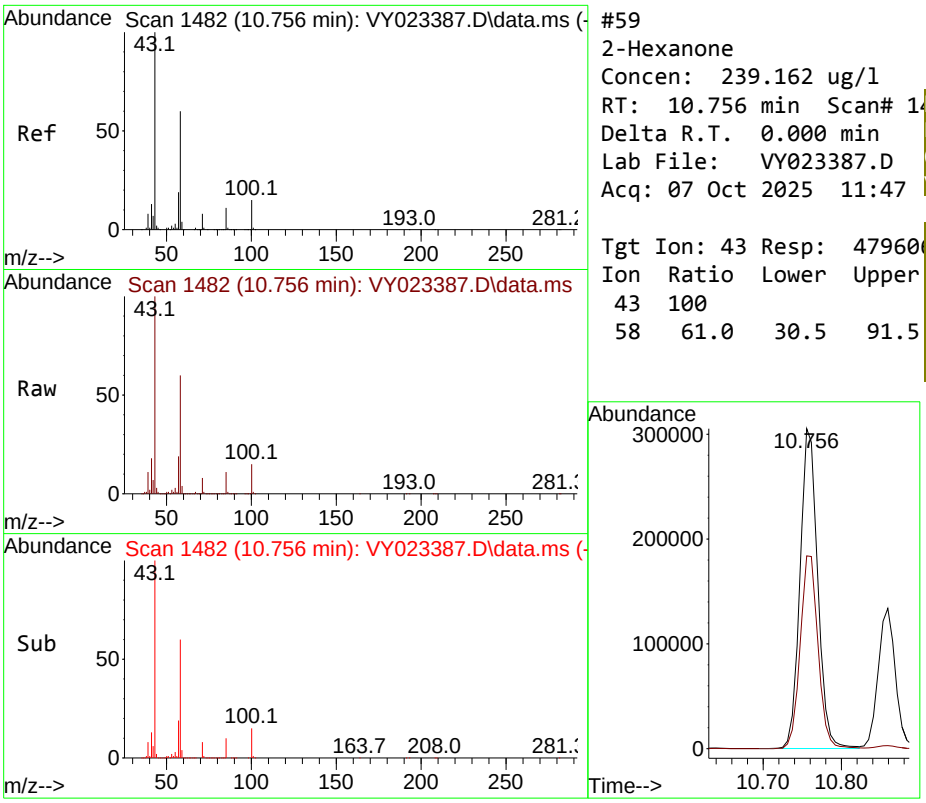


#58
2-Chloroethyl Vinyl ether
Concen: 261.921 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

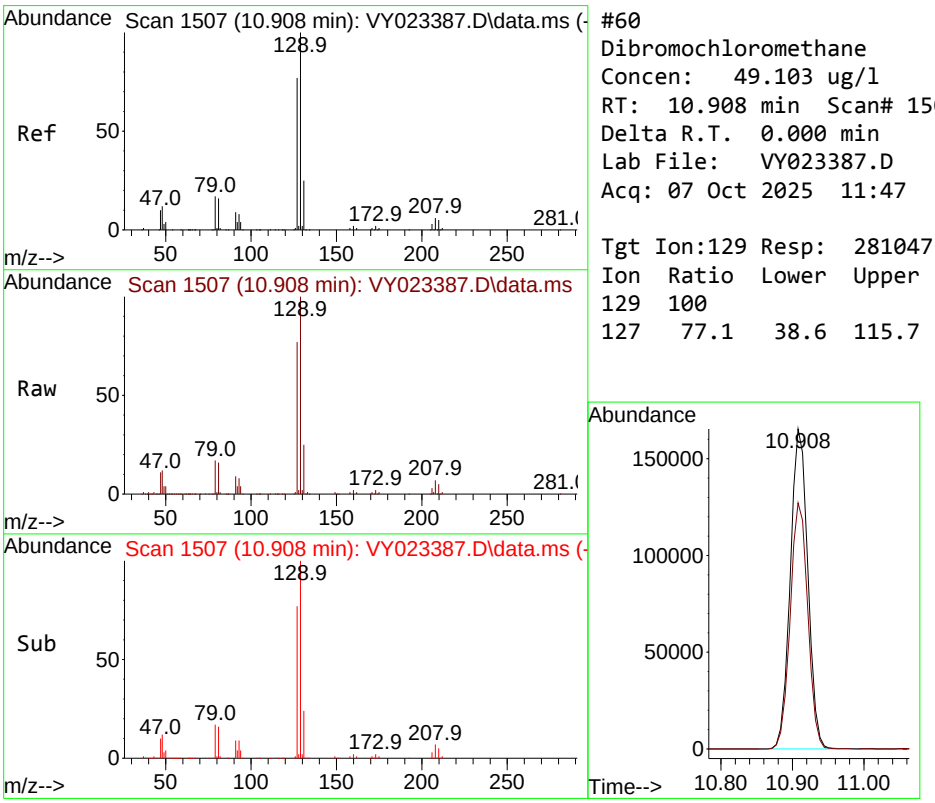
Tgt Ion: 43 Resp: 47960

Ion	Ratio	Lower	Upper
43	100		
58	61.0	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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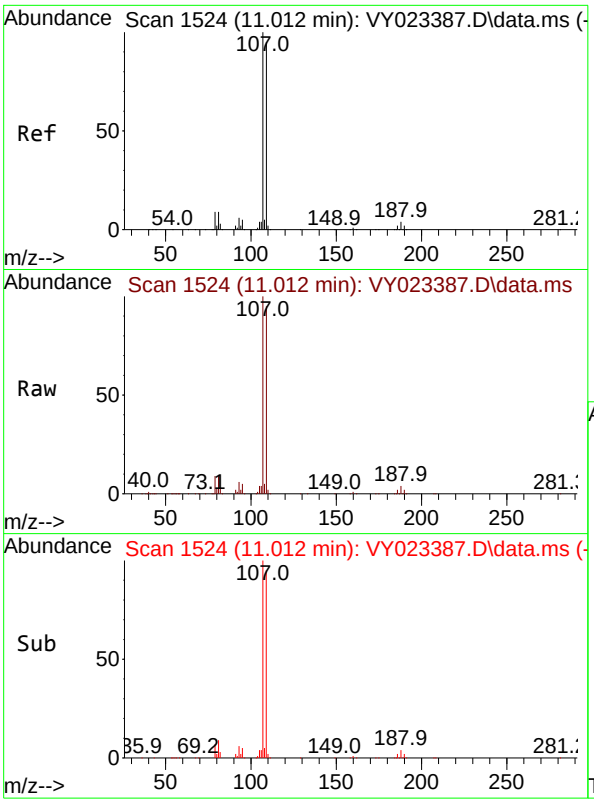
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

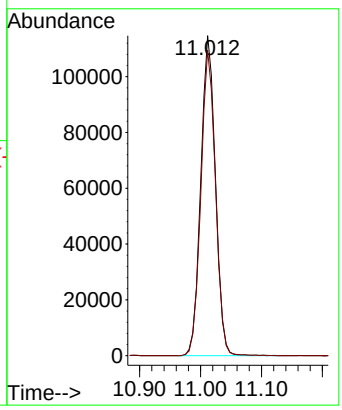
Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7



#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

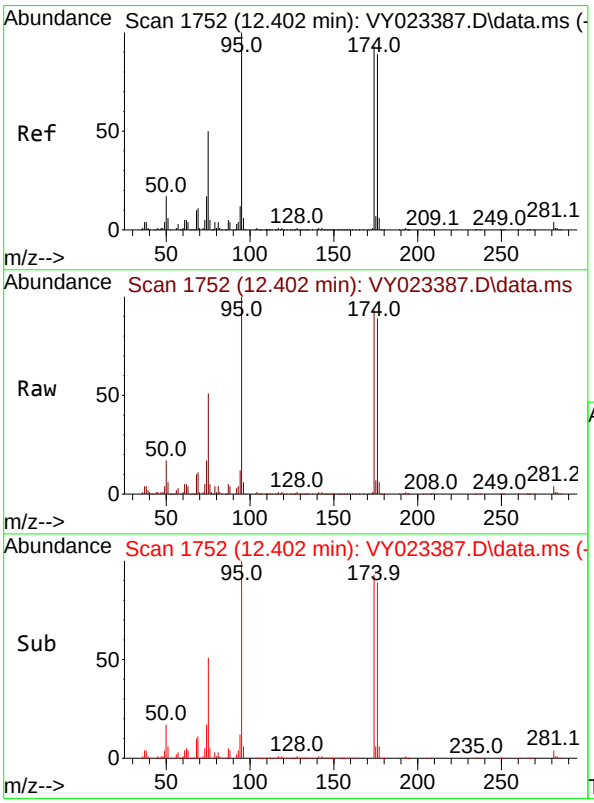
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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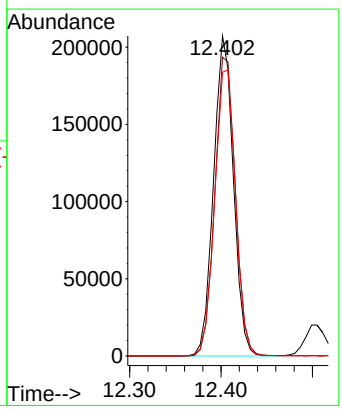
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

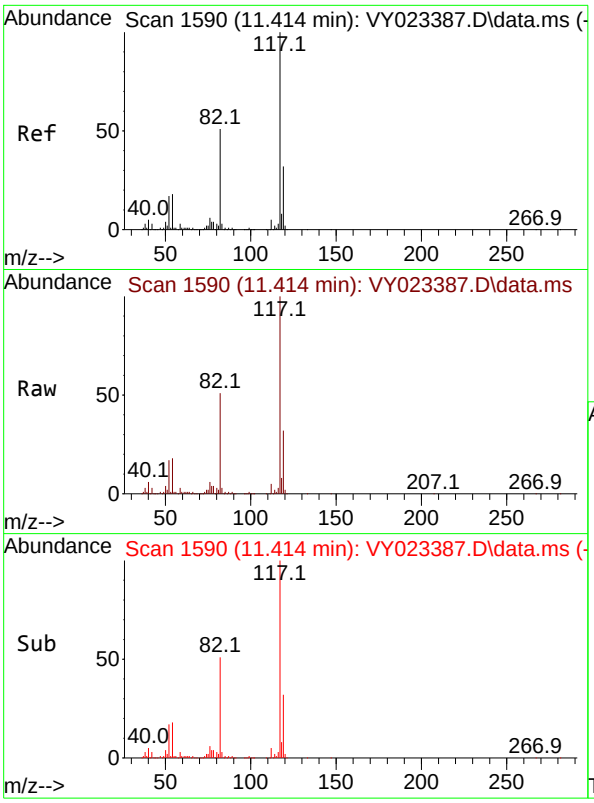


#62
4-Bromofluorobenzene
Concen: 50.546 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

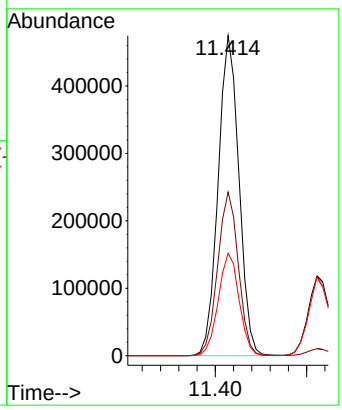
Tgt Ion:117 Resp: 74986

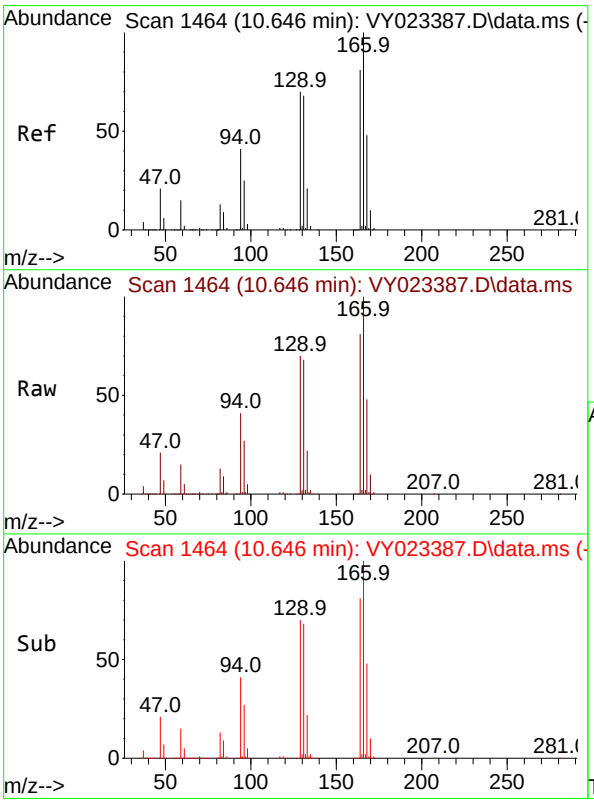
Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.0	61.4
119	32.0	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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

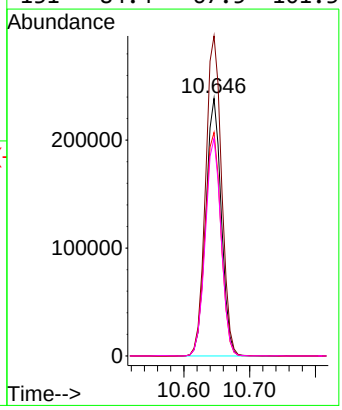


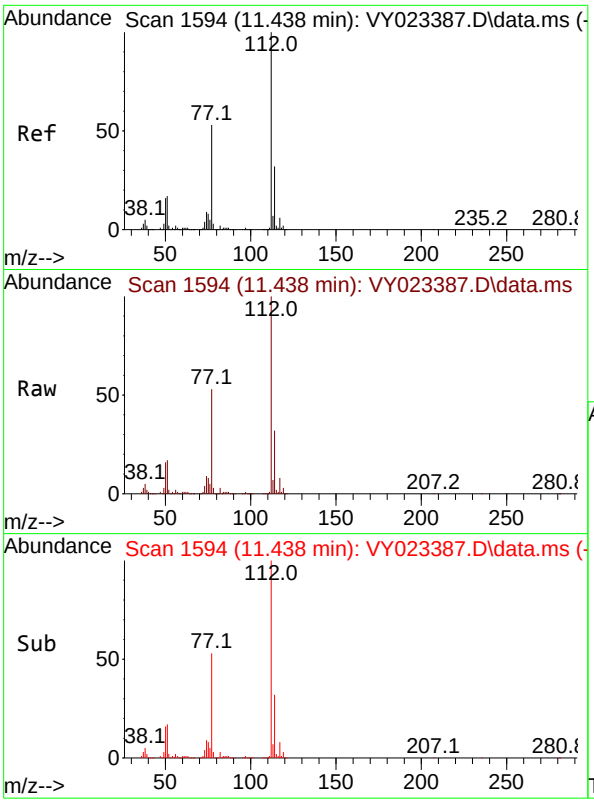


#64
Tetrachloroethene
Concen: 52.264 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

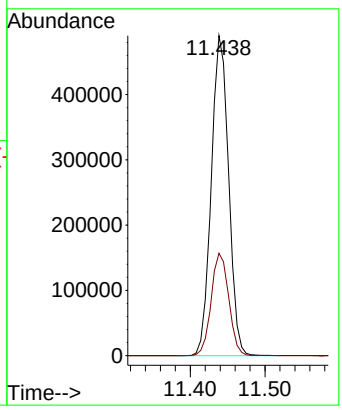




#65
Chlorobenzene
Concen: 48.460 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:112 Resp: 78965

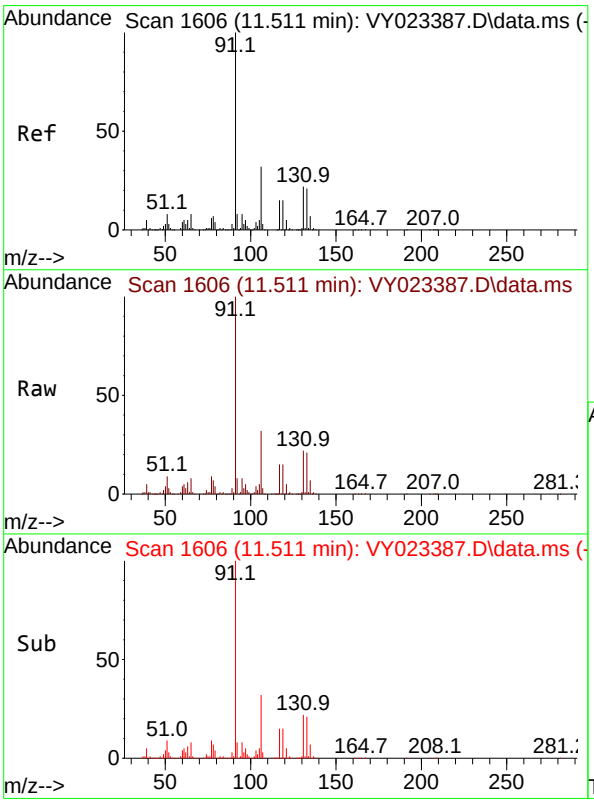
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

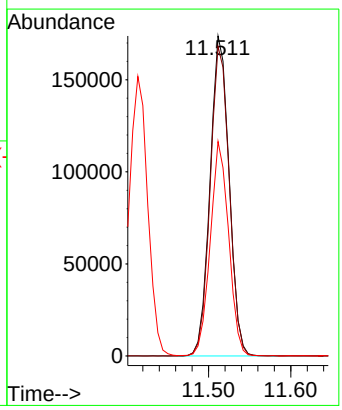
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

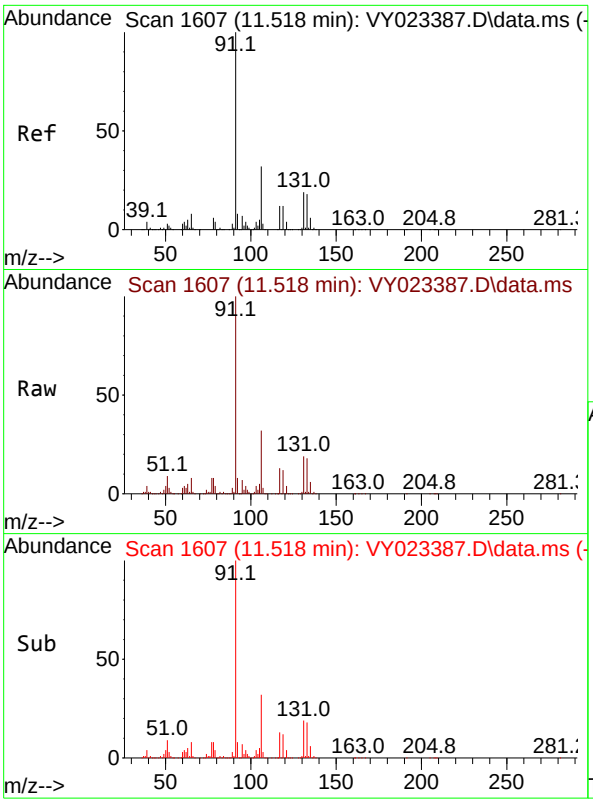


#66
1,1,1,2-Tetrachloroethane
Concen: 48.788 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

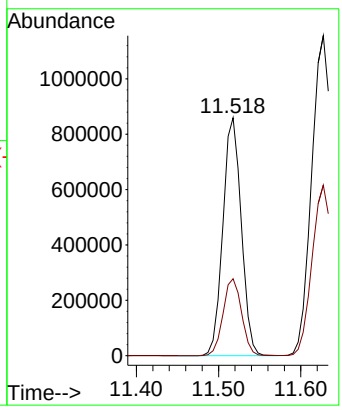




#67
Ethyl Benzene
Concen: 50.099 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 133235

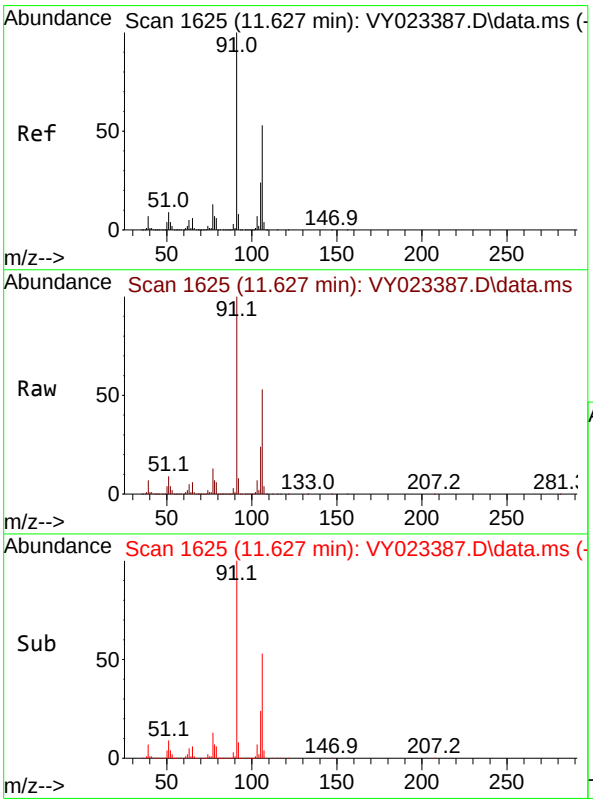
Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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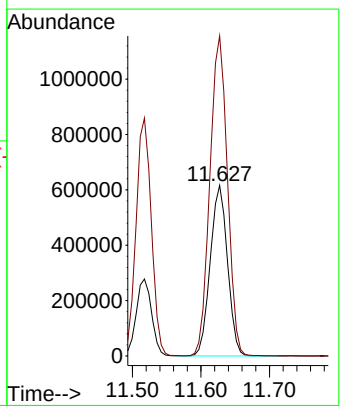
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

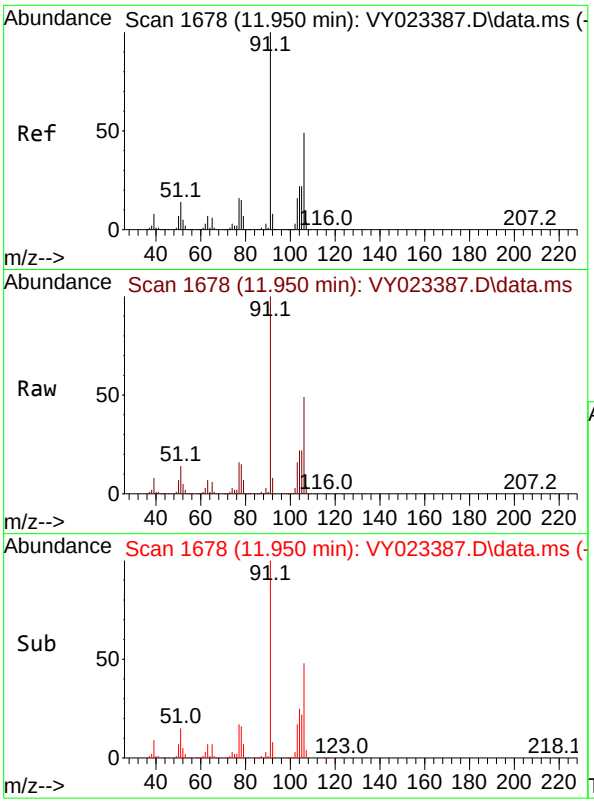


#68
m/p-Xylenes
Concen: 101.092 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

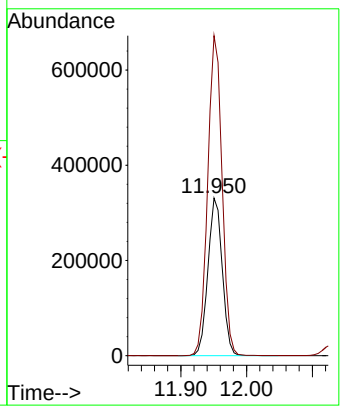
Tgt Ion:106 Resp: 50272

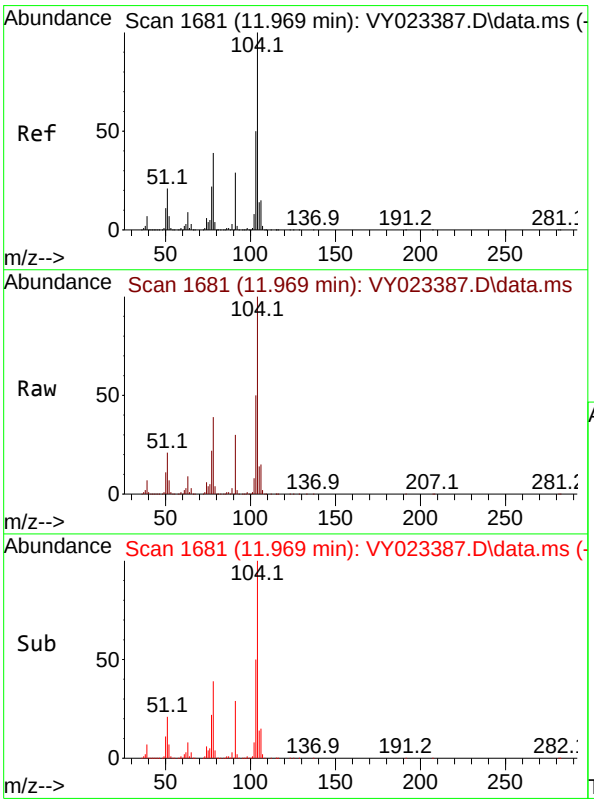
Ion	Ratio	Lower	Upper
106	100		
91	202.7	101.4	304.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

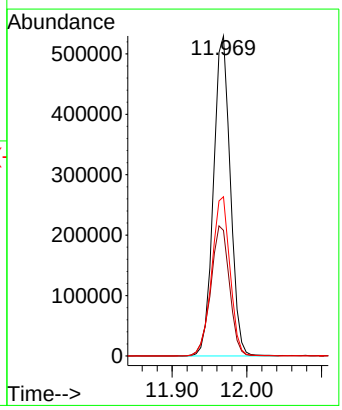


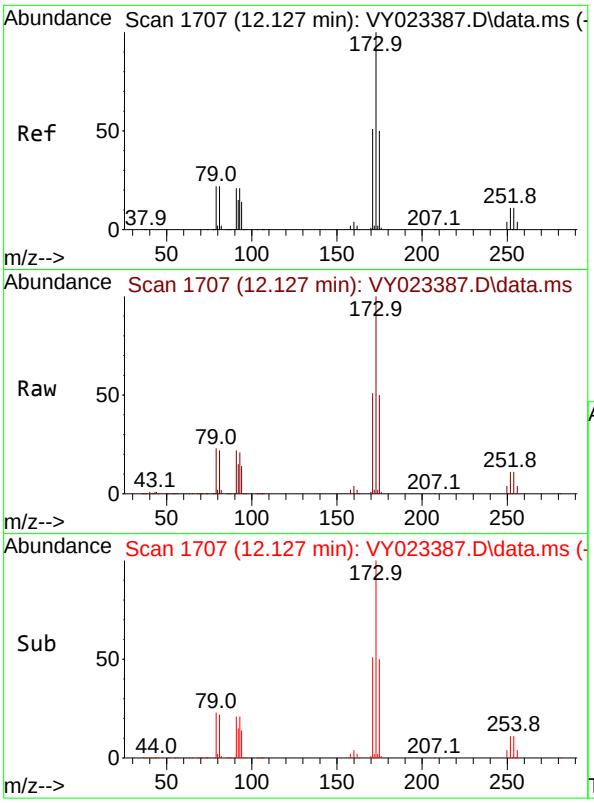


#70
Styrene
Concen: 51.059 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

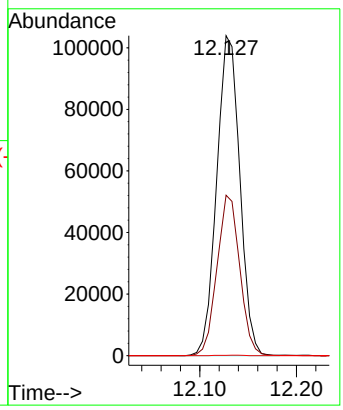




#71
Bromoform
Concen: 50.229 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:173 Resp: 17231

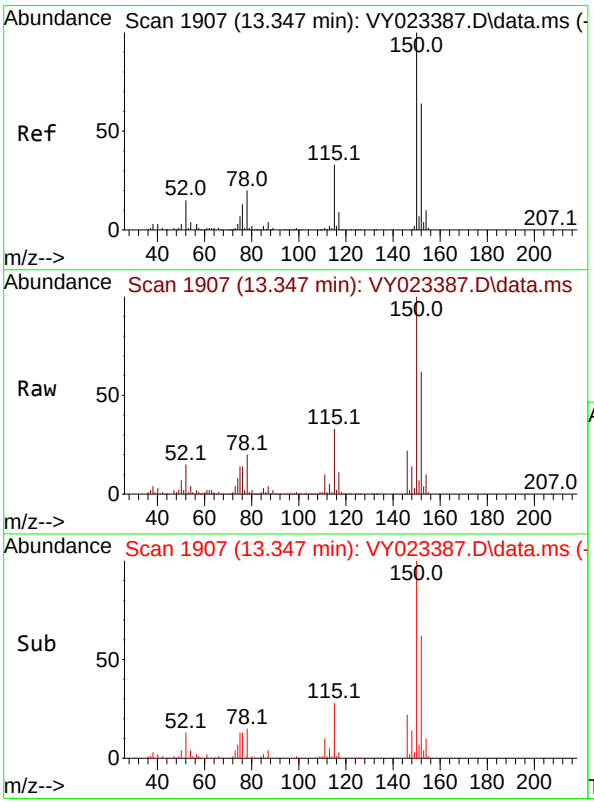
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

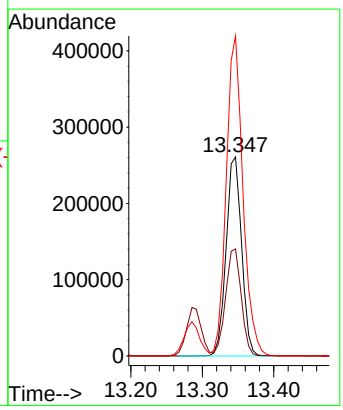
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

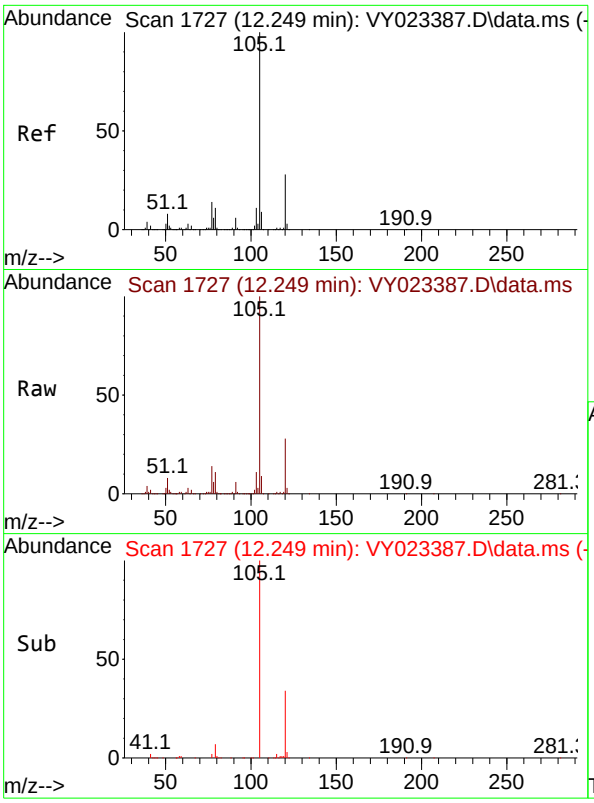


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

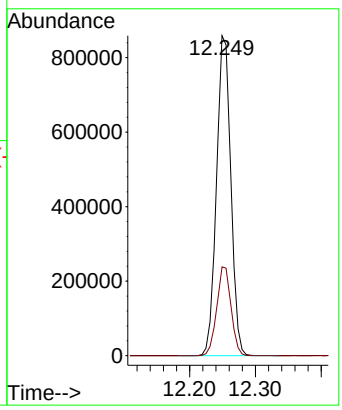




#73
Isopropylbenzene
Concen: 49.803 ug/l
RT: 12.249 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 130100

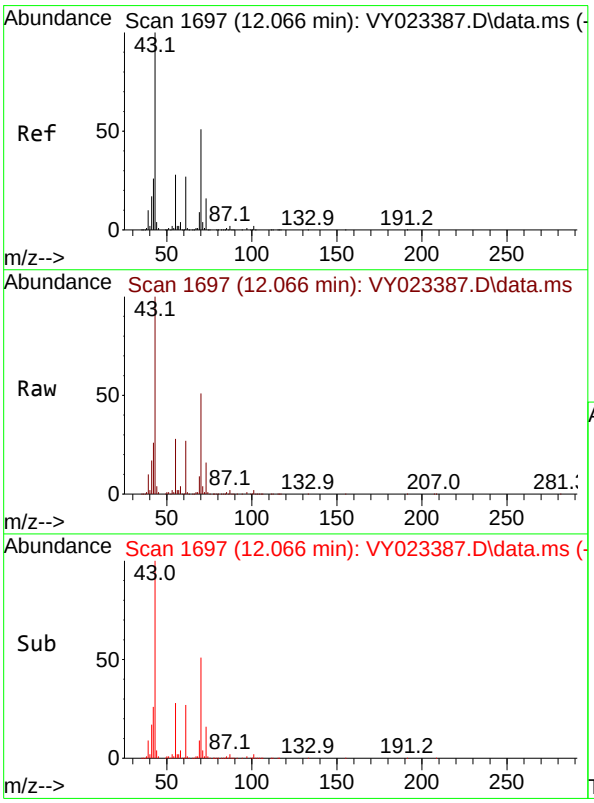
Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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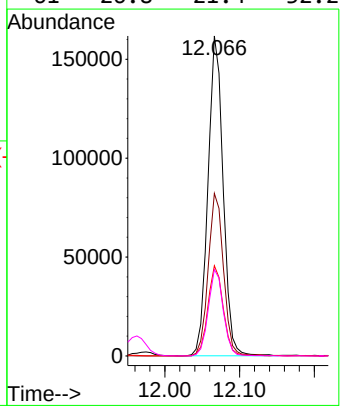
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

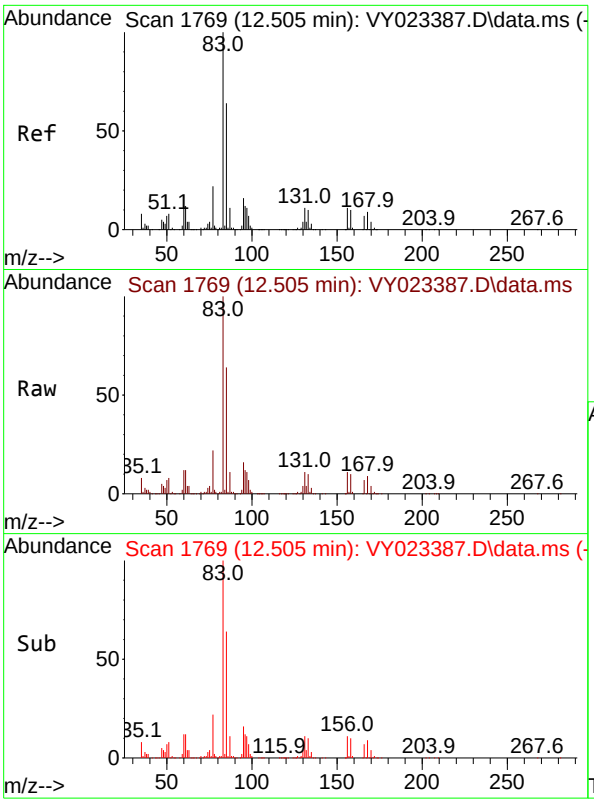


#74
N-amyl acetate
Concen: 46.640 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

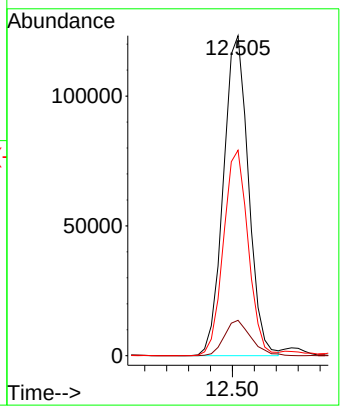




#75
1,1,2,2-Tetrachloroethane
Concen: 44.878 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 83 Resp: 19556

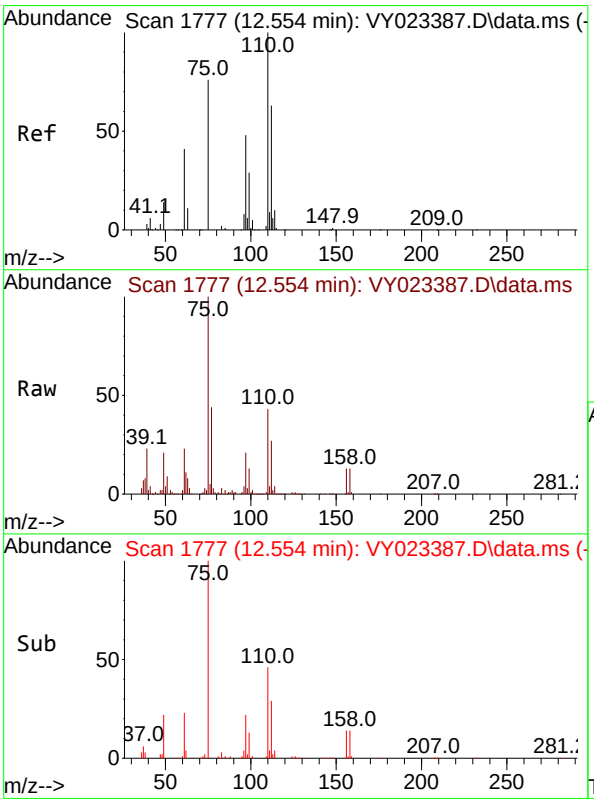
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.9	17.6
85	63.5	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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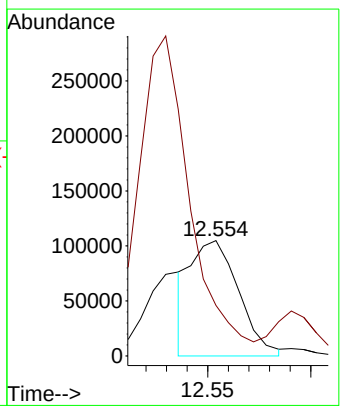
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

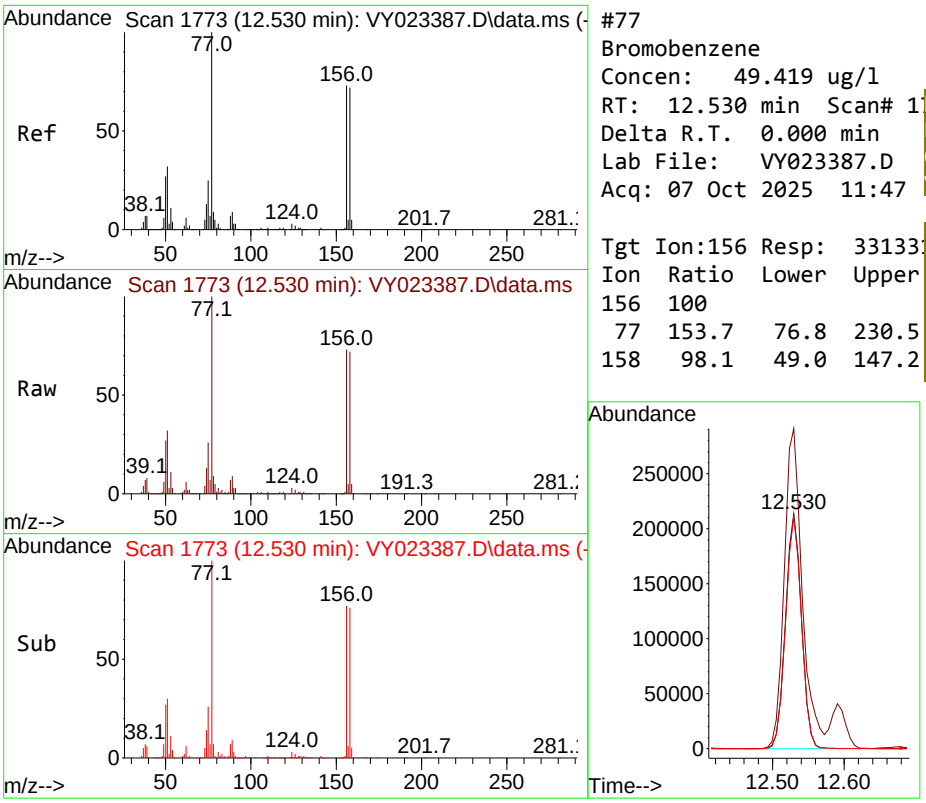


#76
1,2,3-Trichloropropane
Concen: 43.898 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

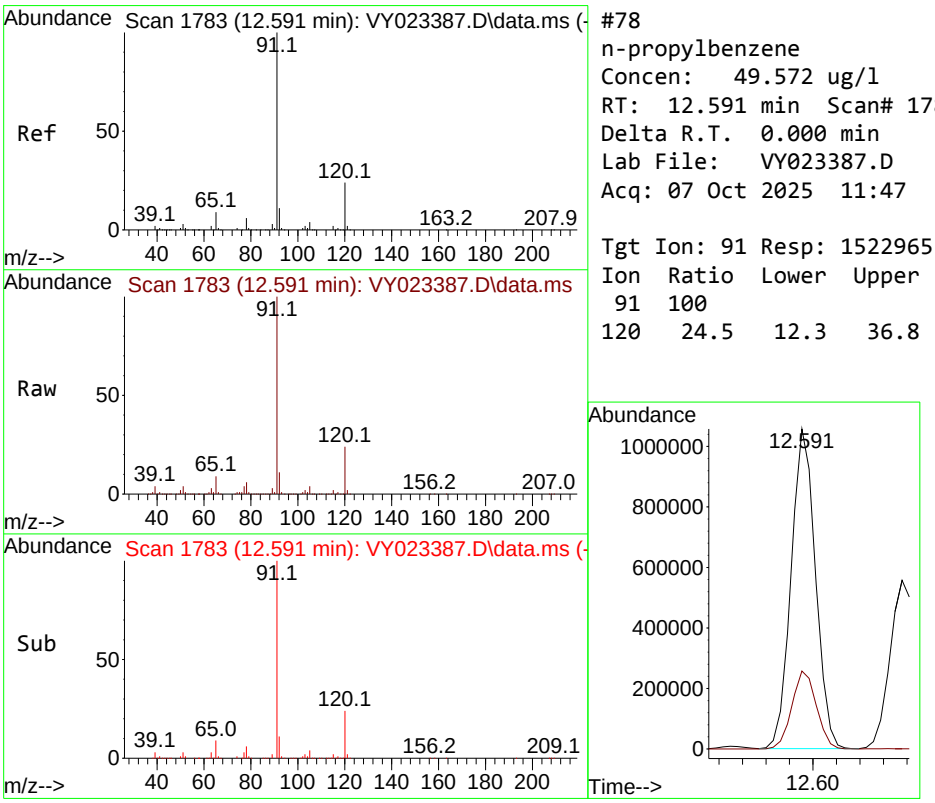
Tgt Ion:156 Resp: 33133

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
APPROVED

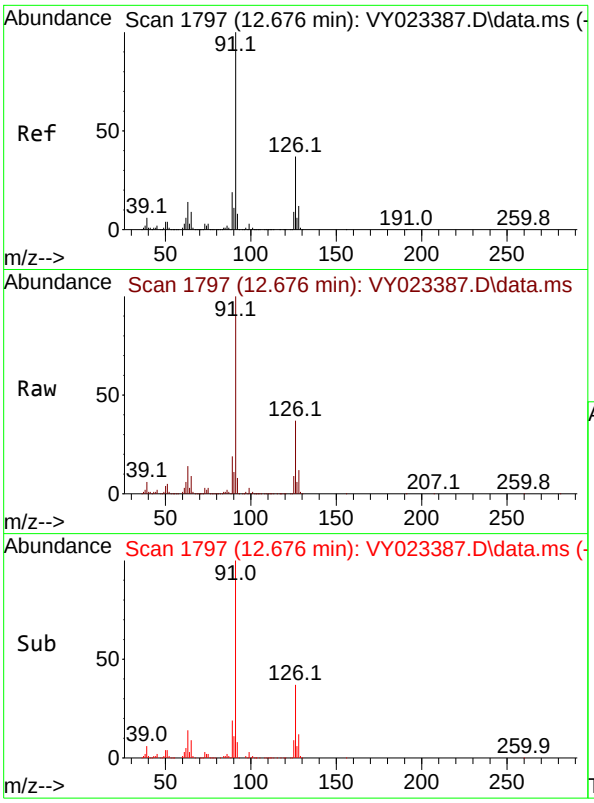
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

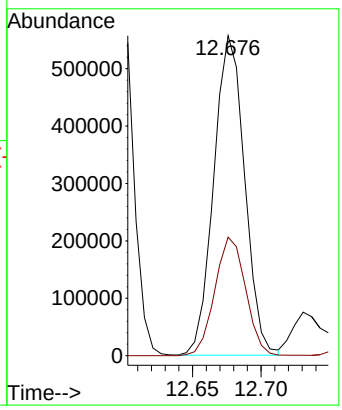
Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.8



#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

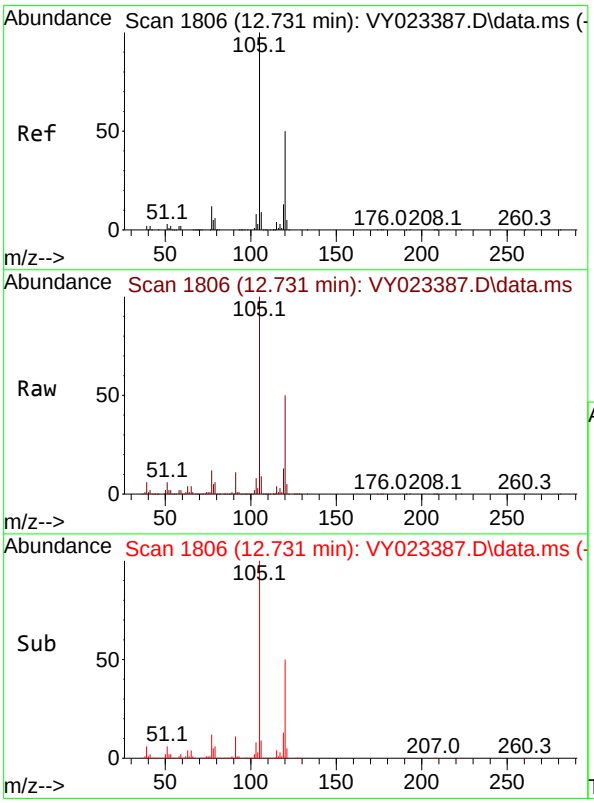
Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

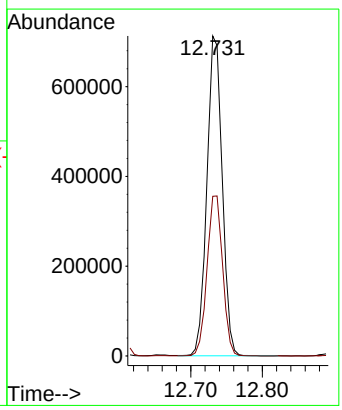
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

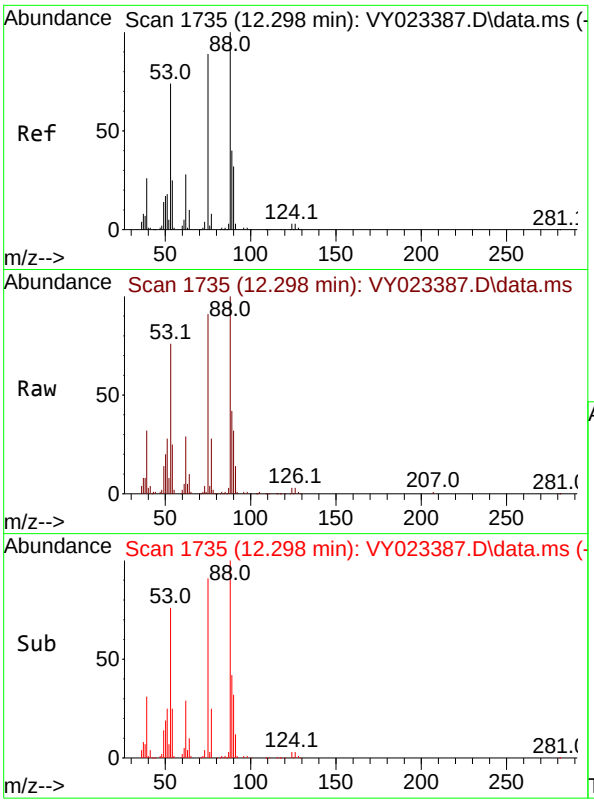


#80
1,3,5-Trimethylbenzene
Concen: 49.966 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 1061112

Ion	Ratio	Lower	Upper
105	100		
120	50.9	25.4	76.4

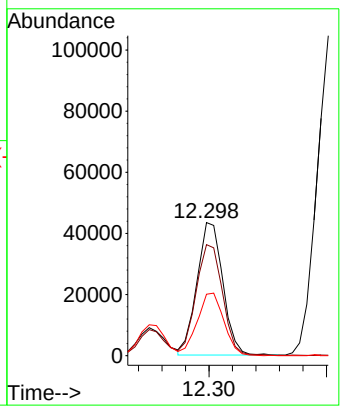




#81
trans-1,4-Dichloro-2-butene
Concen: 46.212 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 75 Resp: 6629

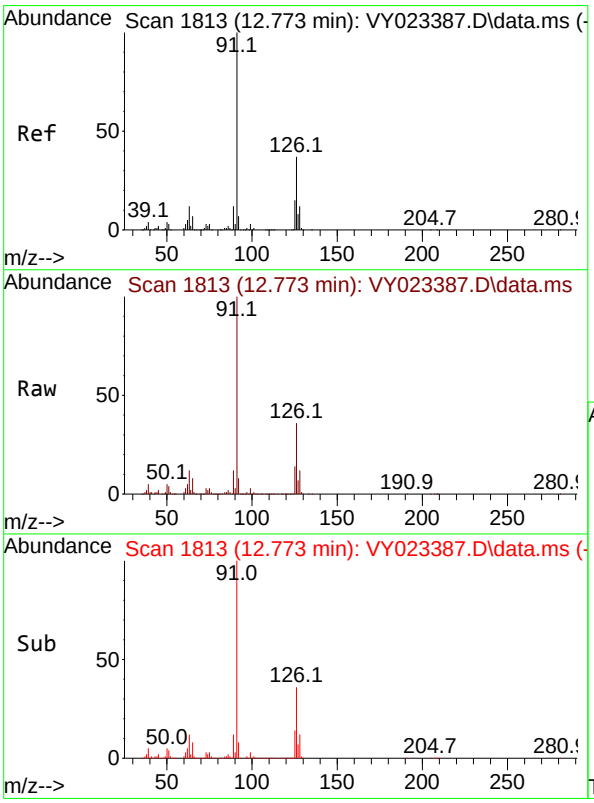
Ion	Ratio	Lower	Upper
75	100		
53	85.7	68.6	102.8
89	48.7	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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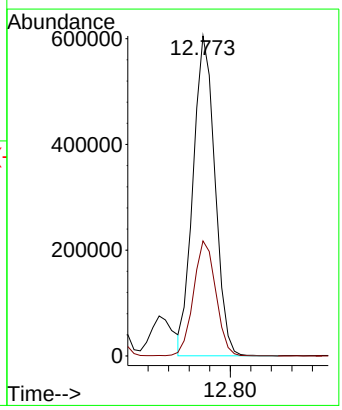
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

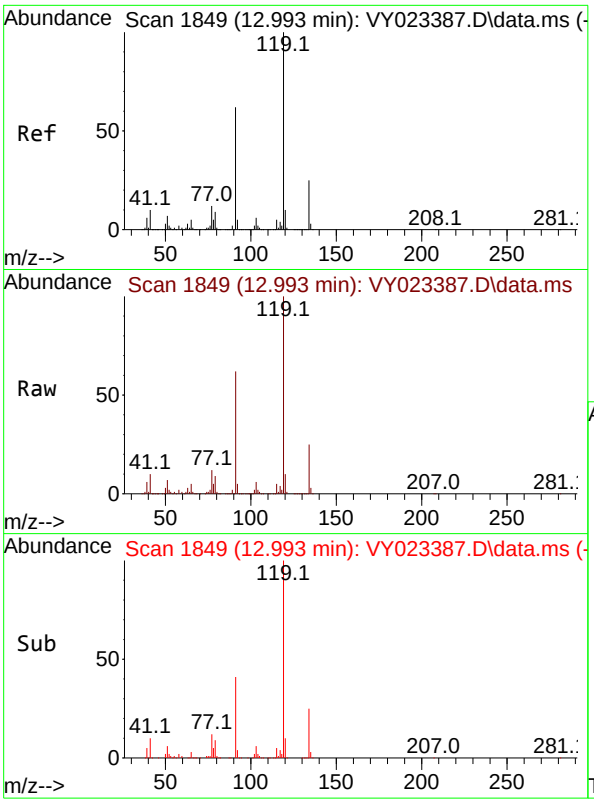


#82
4-Chlorotoluene
Concen: 48.192 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 892764

Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.4	55.4

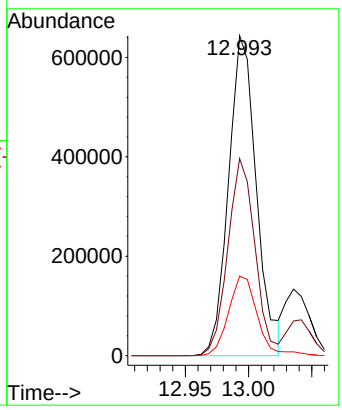




#83
tert-Butylbenzene
Concen: 51.104 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:119 Resp: 98893

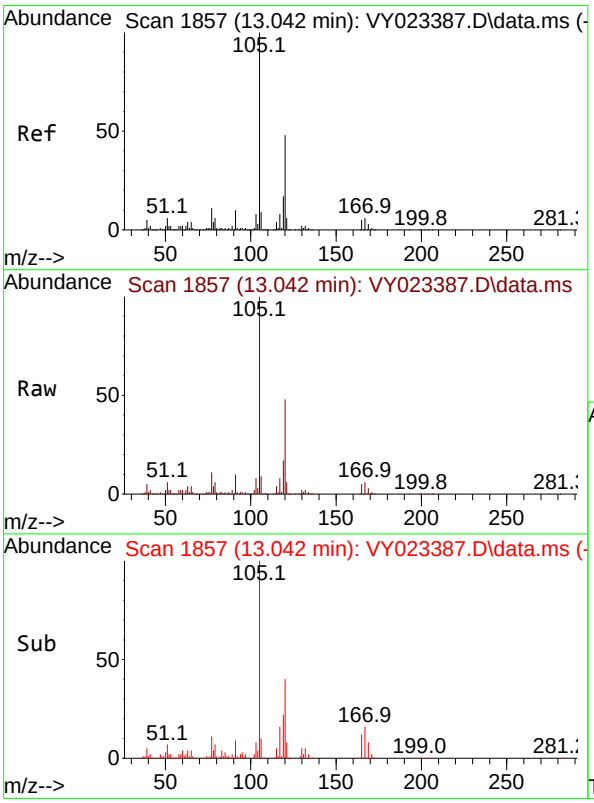
Ion	Ratio	Lower	Upper
119	100		
91	59.9	29.9	89.8
134	25.8	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

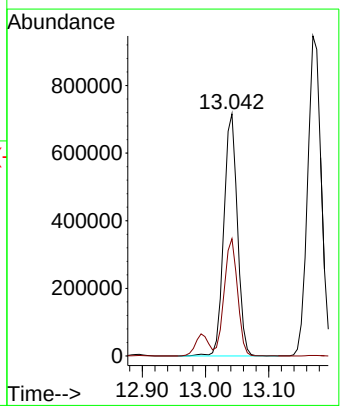
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

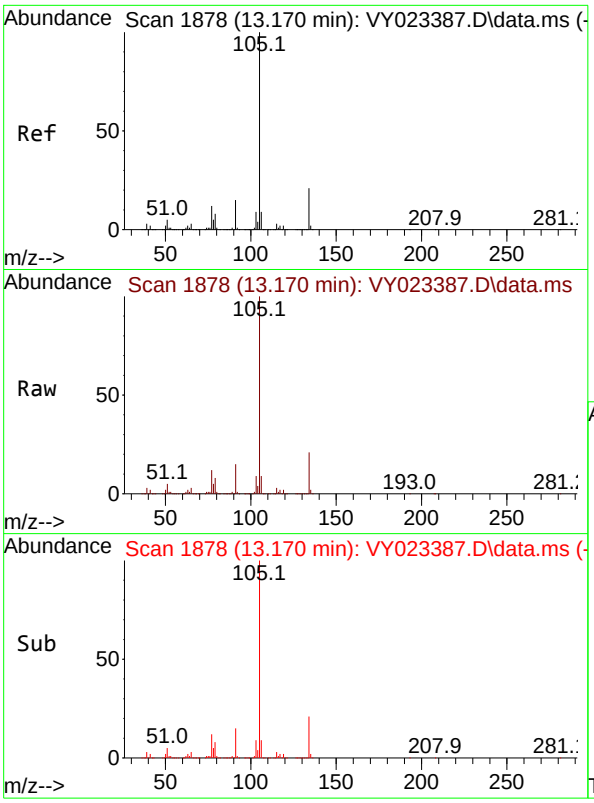


#84
1,2,4-Trimethylbenzene
Concen: 50.505 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 1061159

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.2

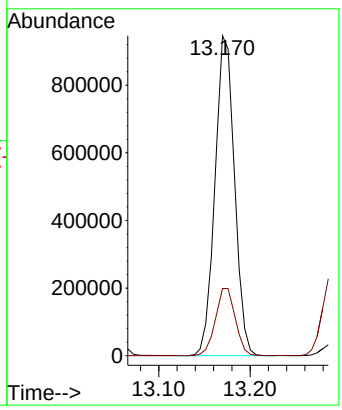




#85
sec-Butylbenzene
Concen: 50.133 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:105 Resp: 140500

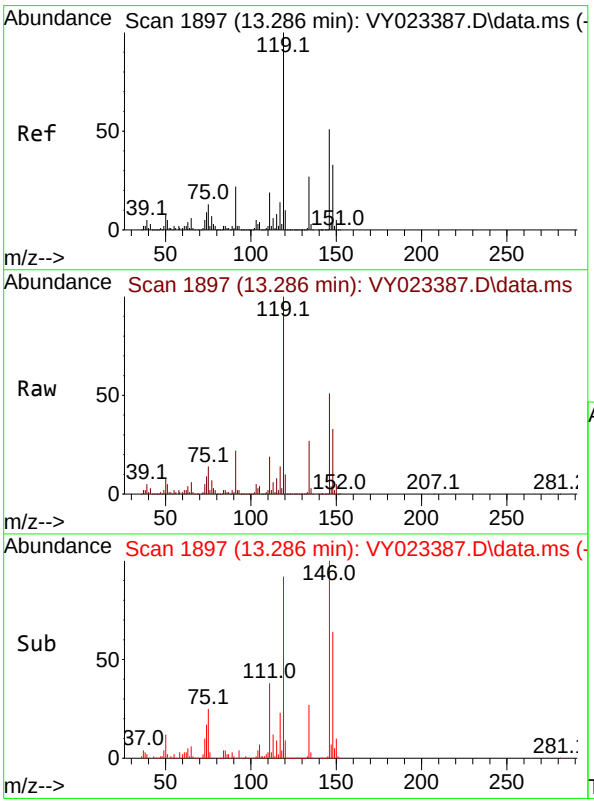
Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

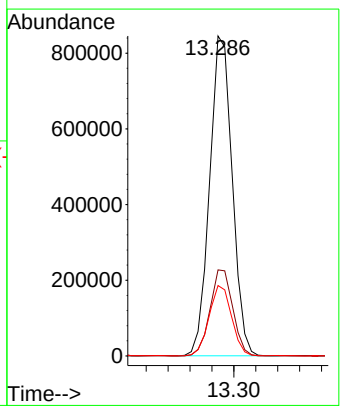
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

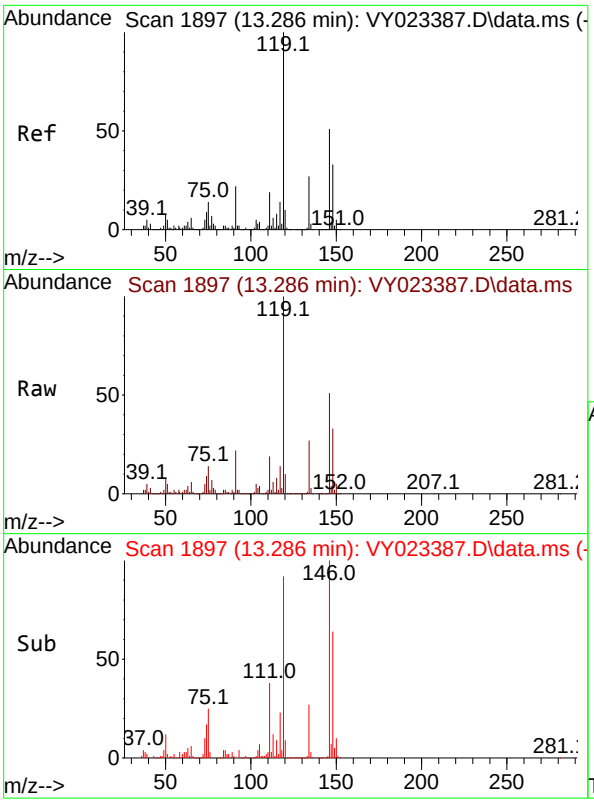


#86
p-Isopropyltoluene
Concen: 51.115 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

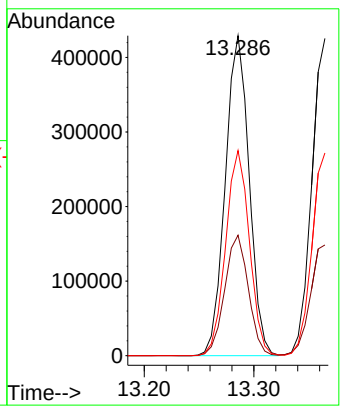




#87
1,3-Dichlorobenzene
Concen: 49.072 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion:146 Resp: 64989

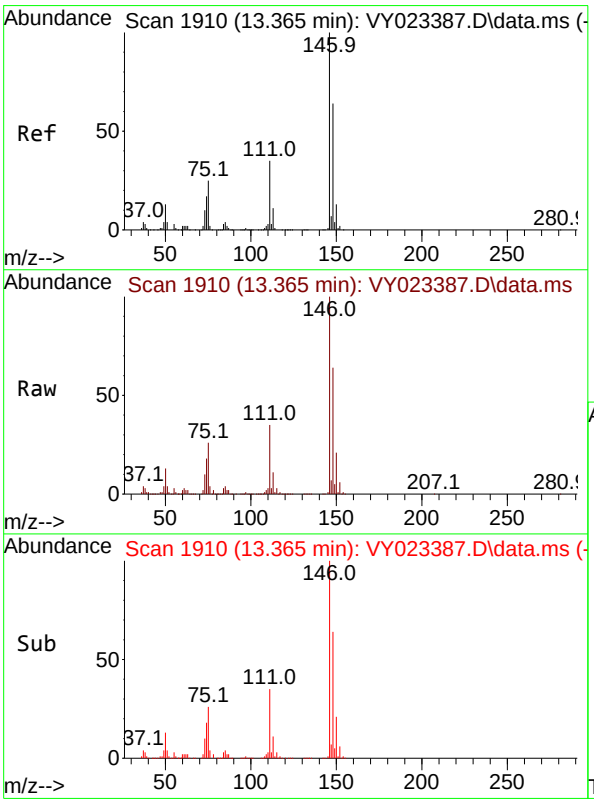
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	63.9	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

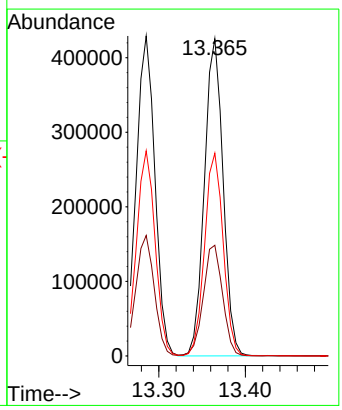
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

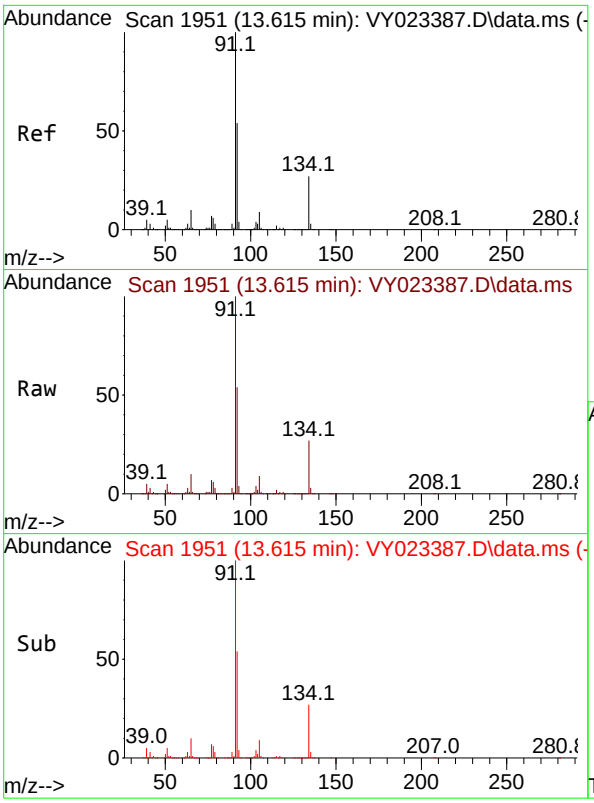


#88
1,4-Dichlorobenzene
Concen: 48.476 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

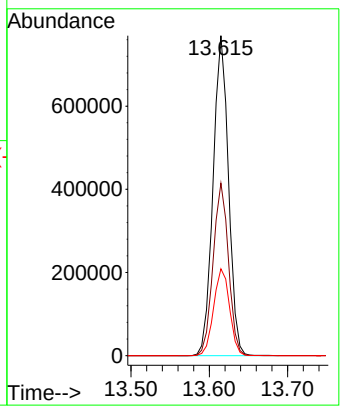




#89
n-Butylbenzene
Concen: 50.299 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

Tgt Ion: 91 Resp: 105194

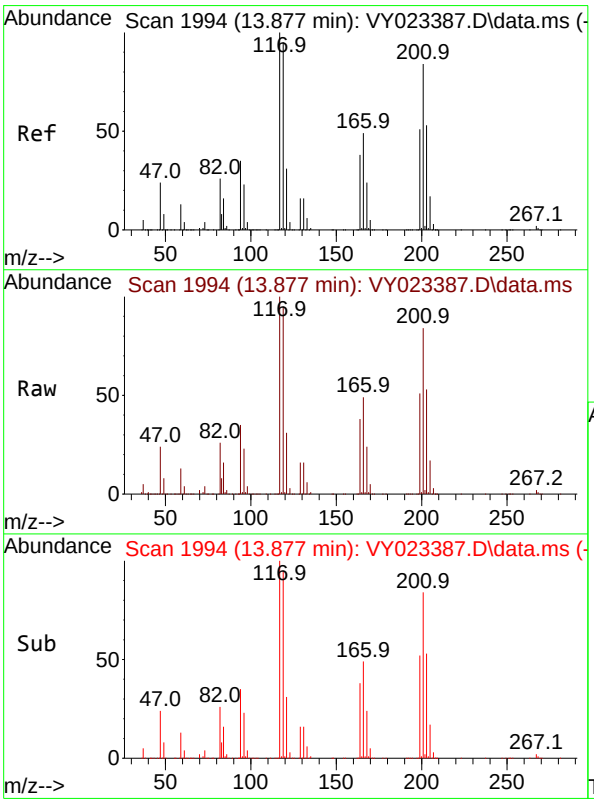
Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	80.8
134	28.1	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

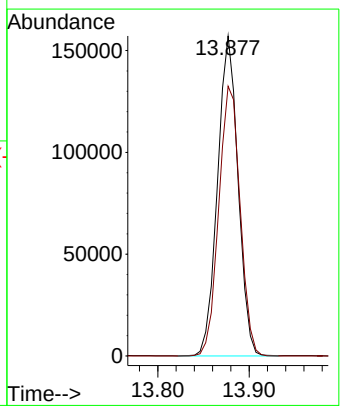
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

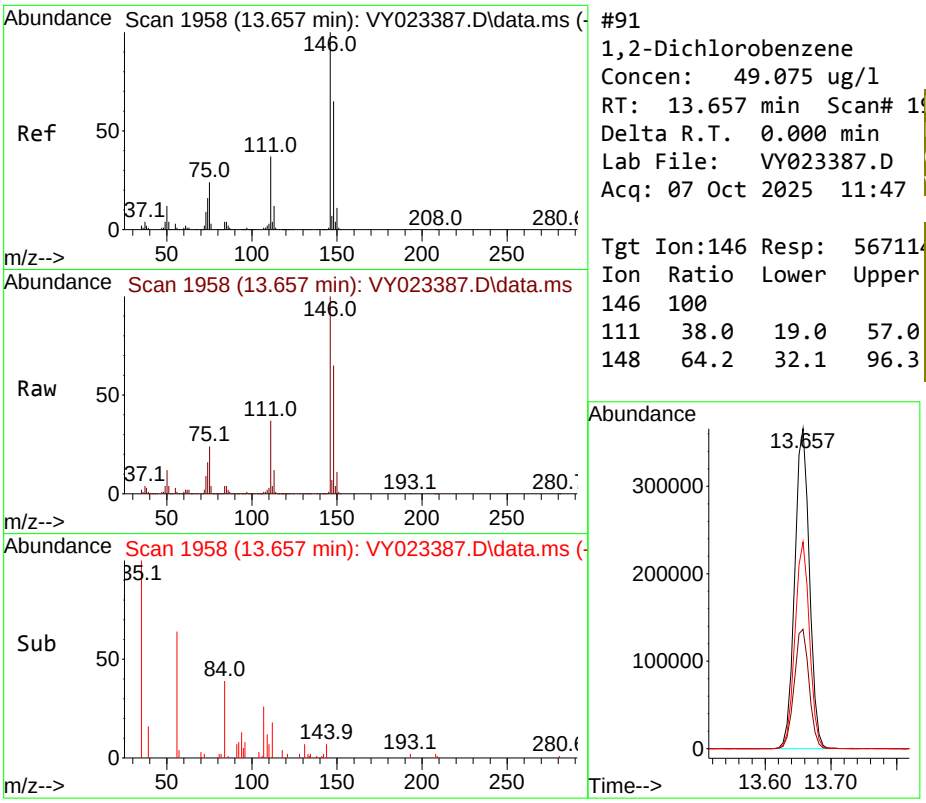


#90
Hexachloroethane
Concen: 47.664 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023387.D
Acq: 07 Oct 2025 11:47

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

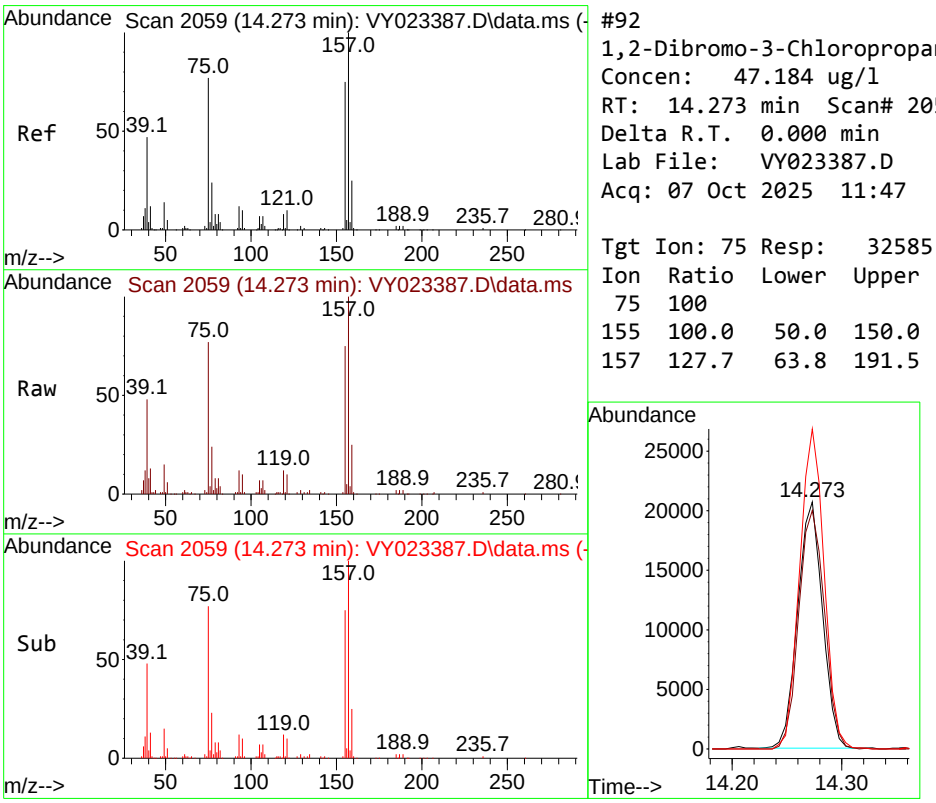
Tgt Ion:146 Resp: 56711

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

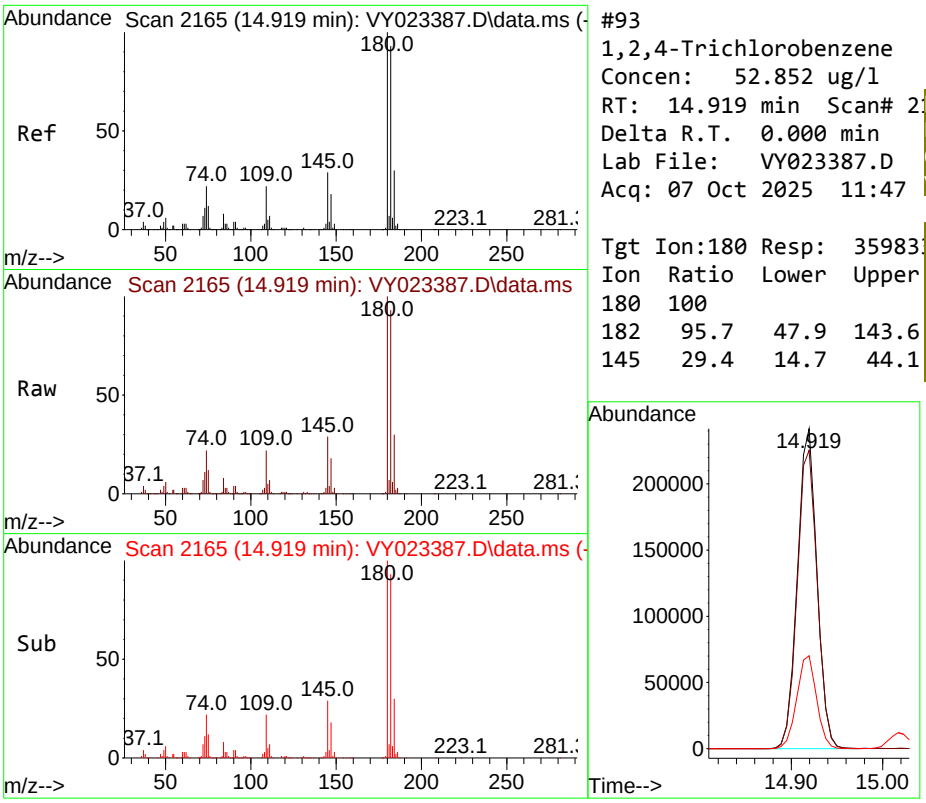
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

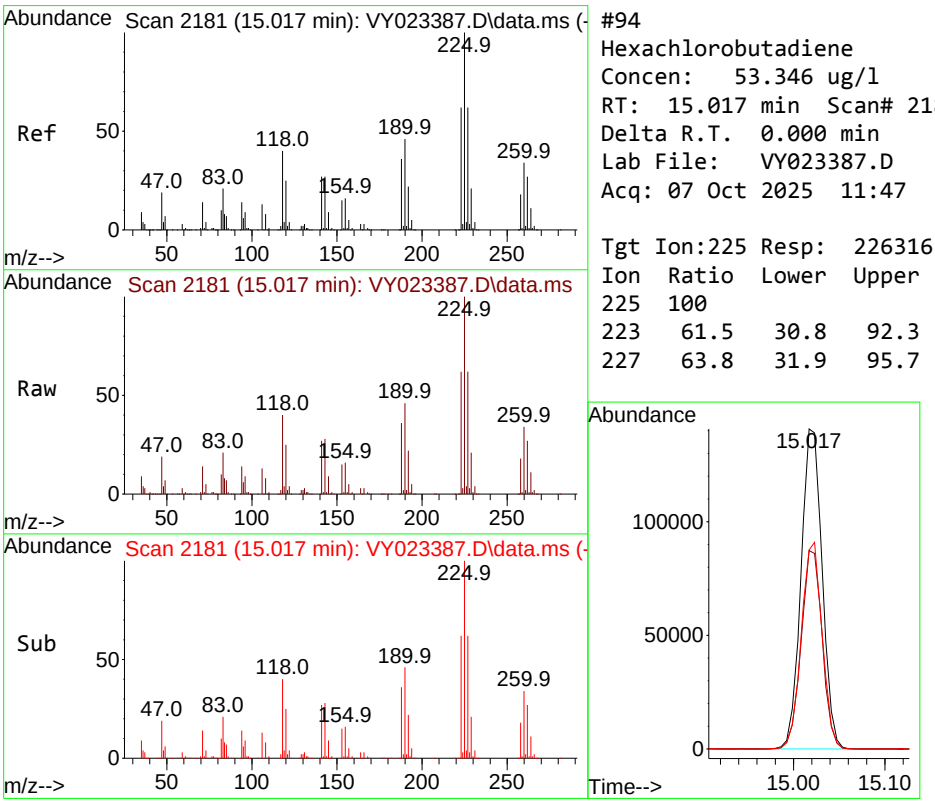
Tgt Ion:180 Resp: 35983

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

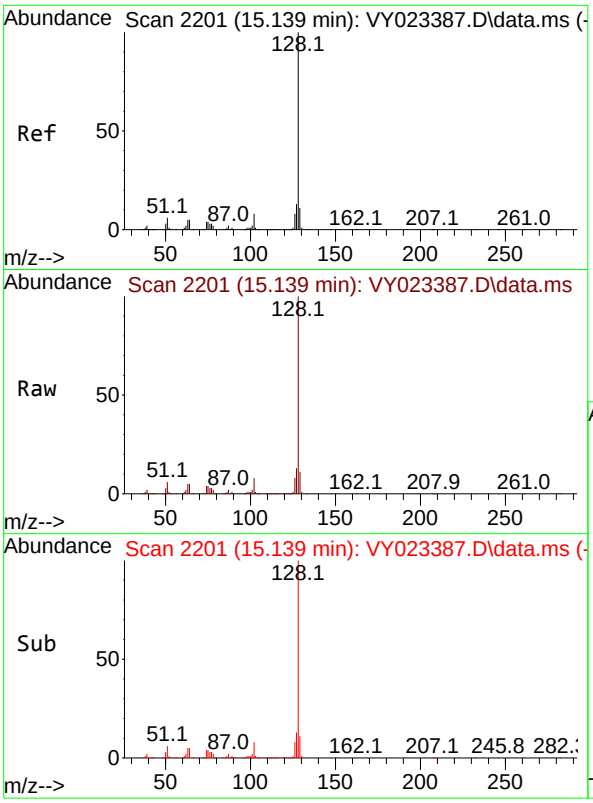
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

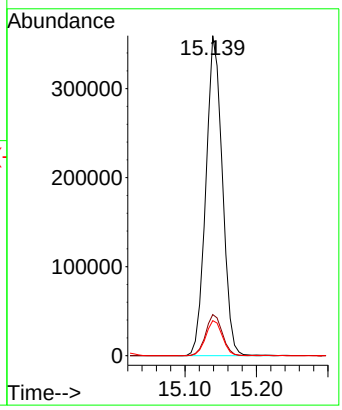
Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.8	92.3
227	63.8	31.9	95.7



#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

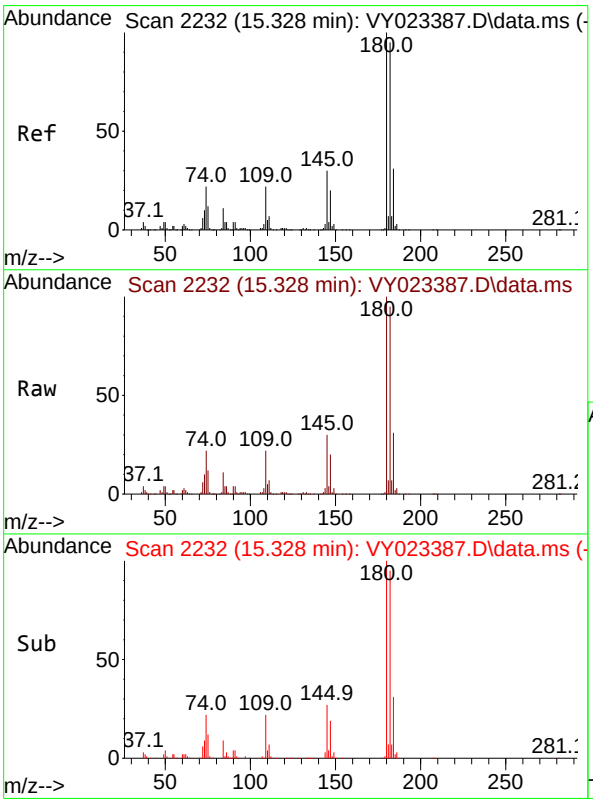
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

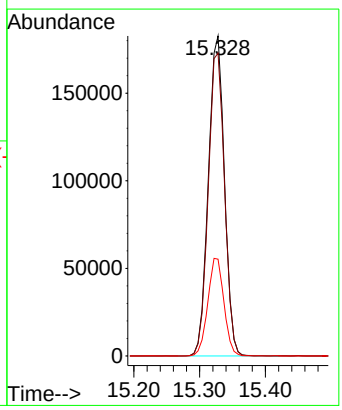
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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



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

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

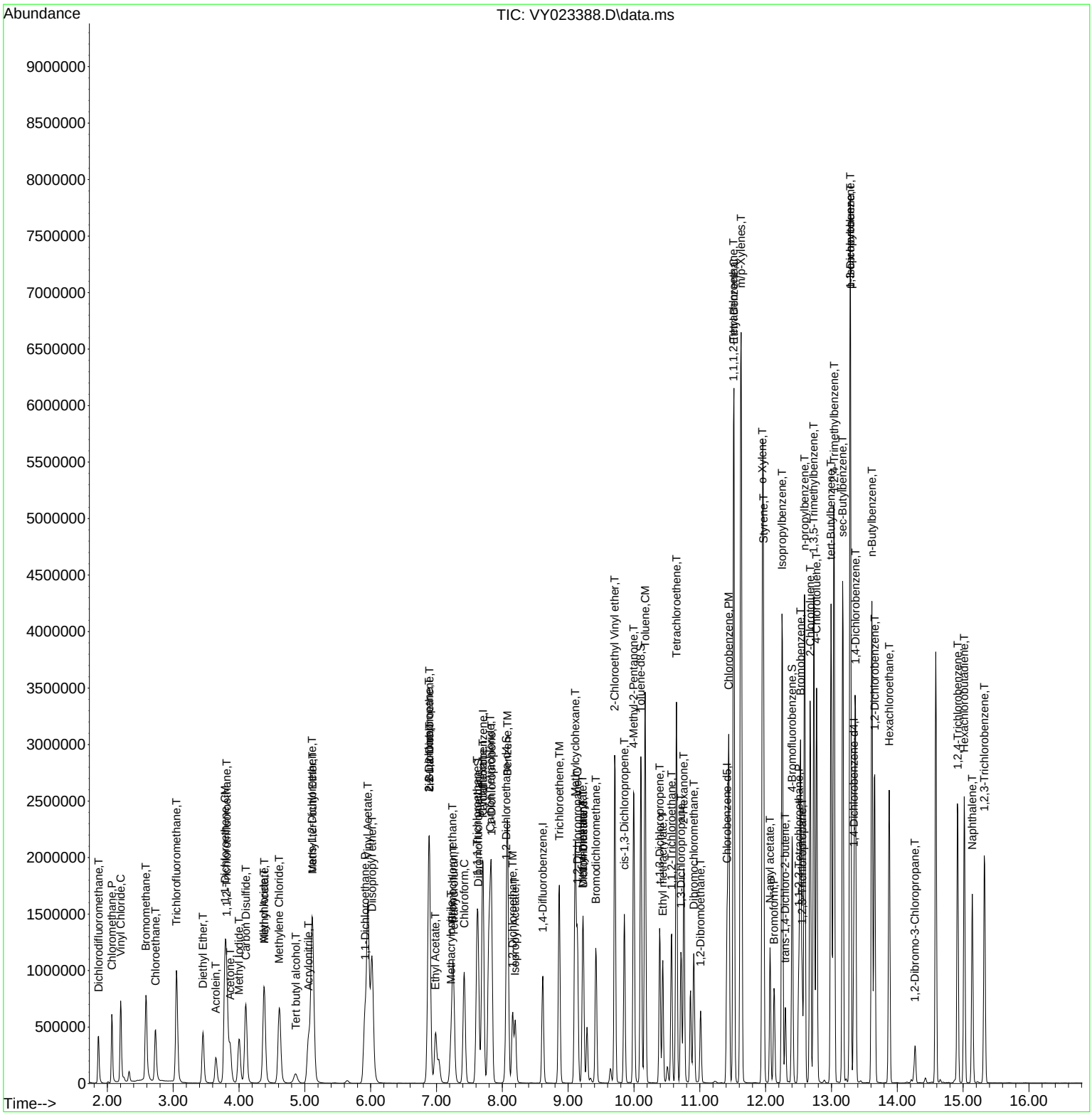
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023388.D
Acq On : 07 Oct 2025 12:09
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

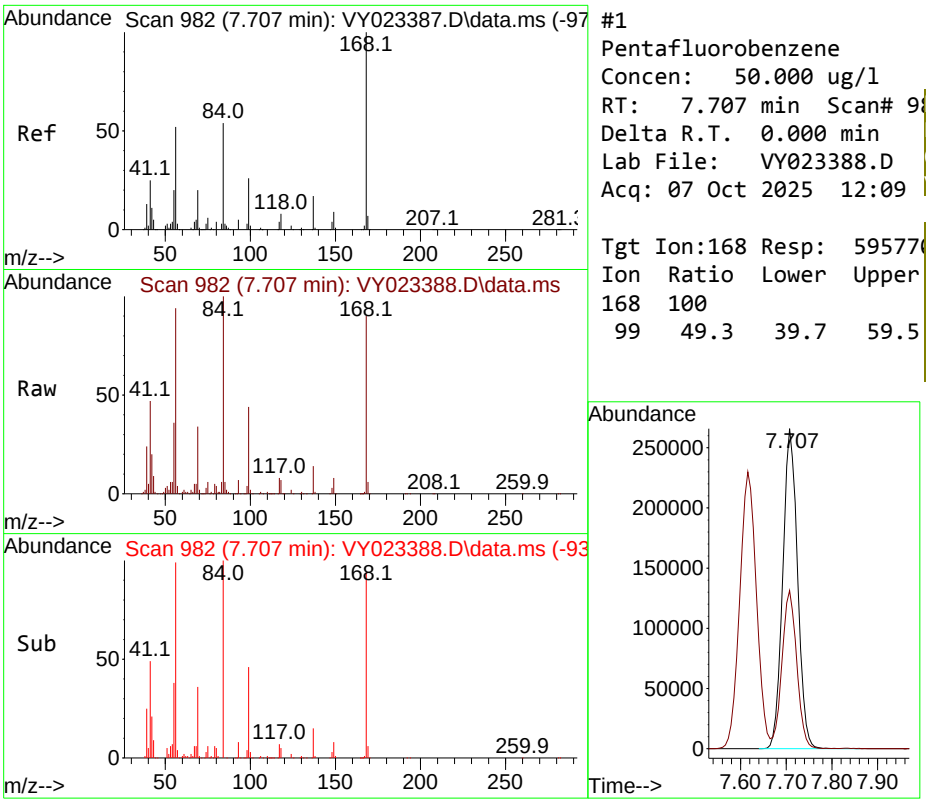
Quant Time: Oct 08 04:44:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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





#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

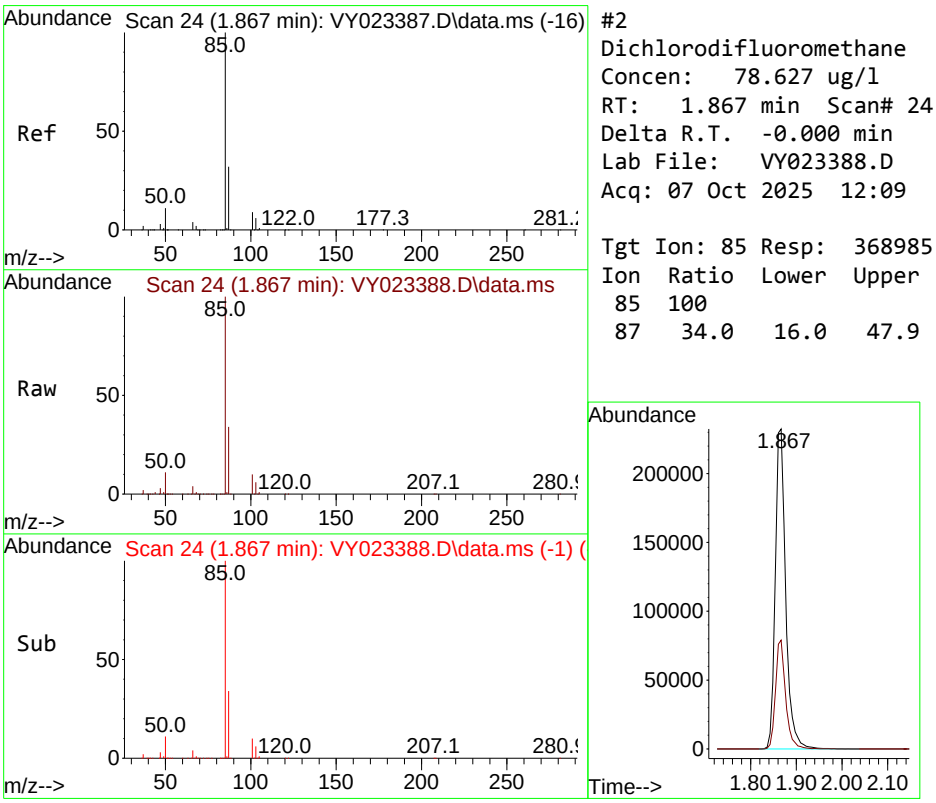
Tgt Ion:168 Resp: 59577

Ion	Ratio	Lower	Upper
168	100		
99	49.3	39.7	59.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

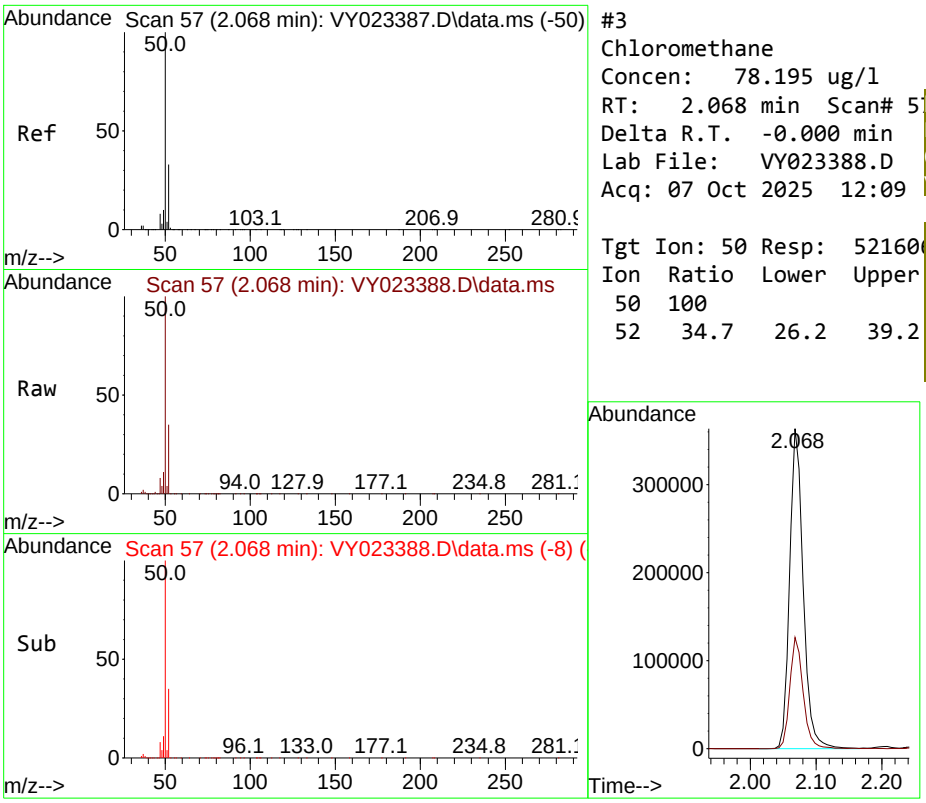
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

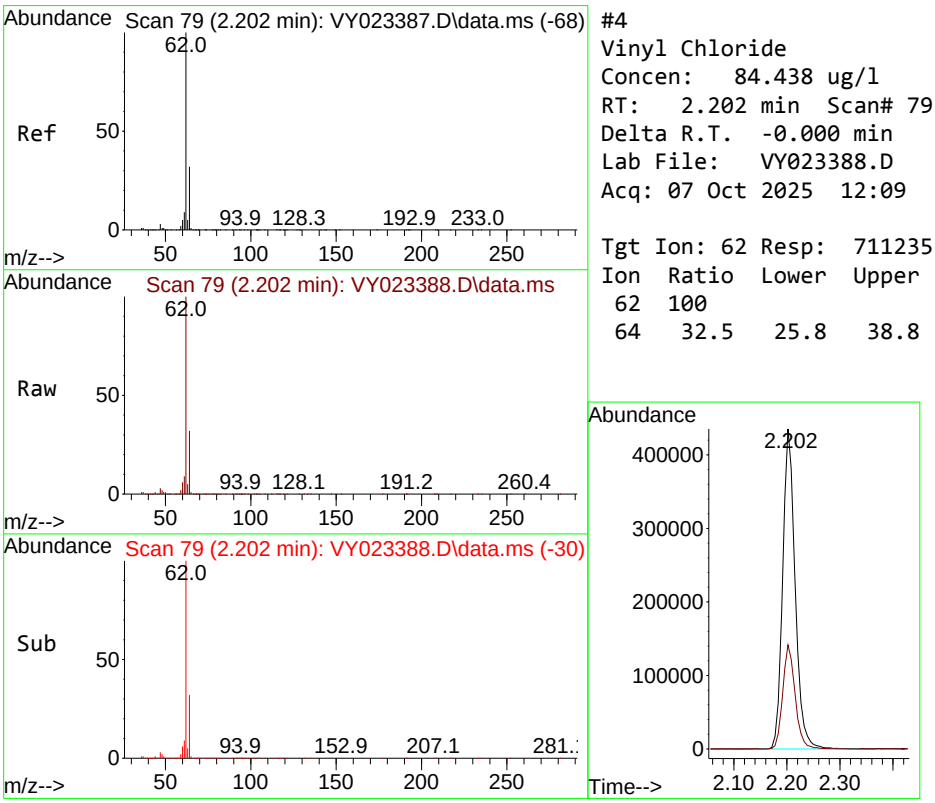
Tgt Ion: 50 Resp: 52160

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

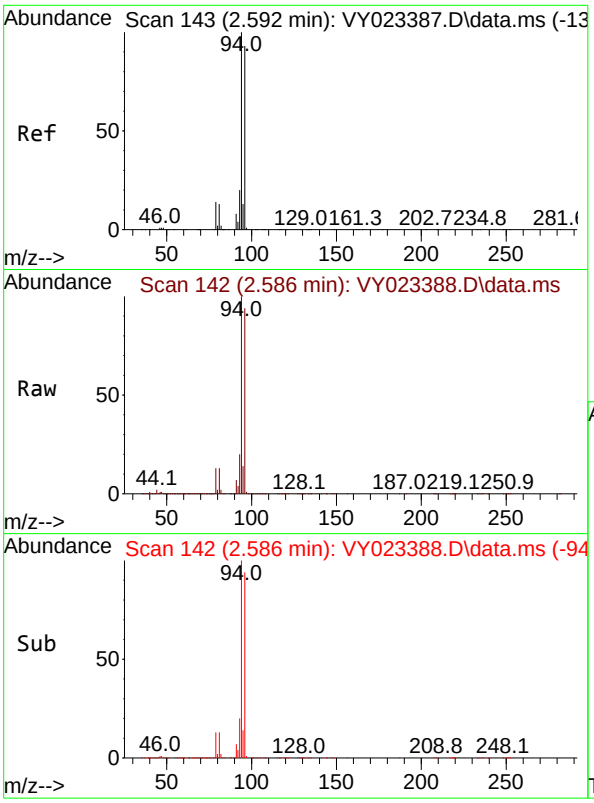
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

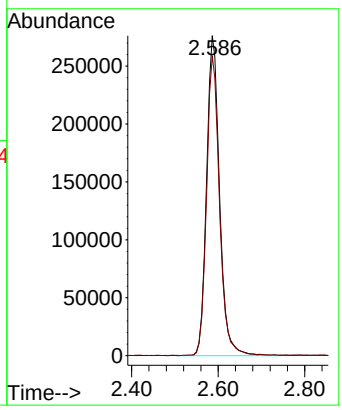
Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.8	38.8



#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

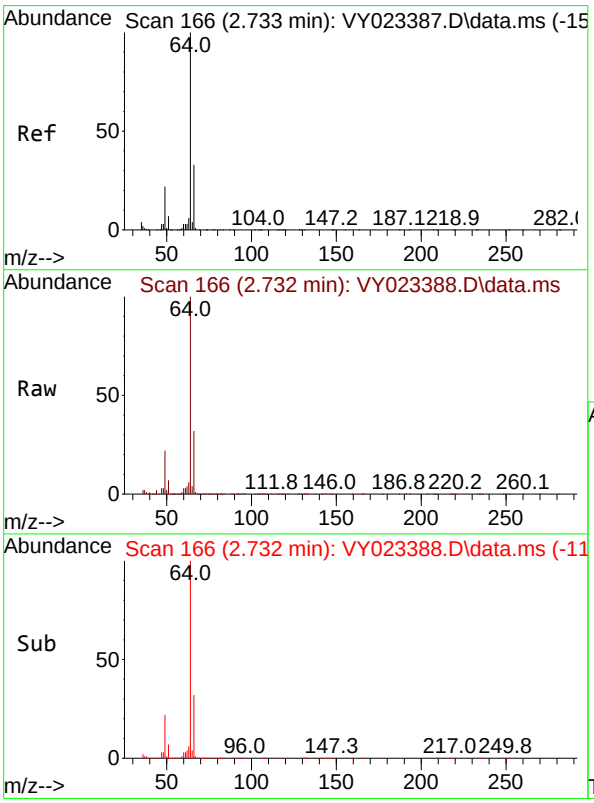
Ion	Ratio	Lower	Upper
94	100		
96	93.7	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

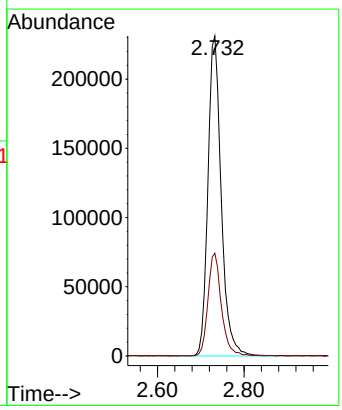
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

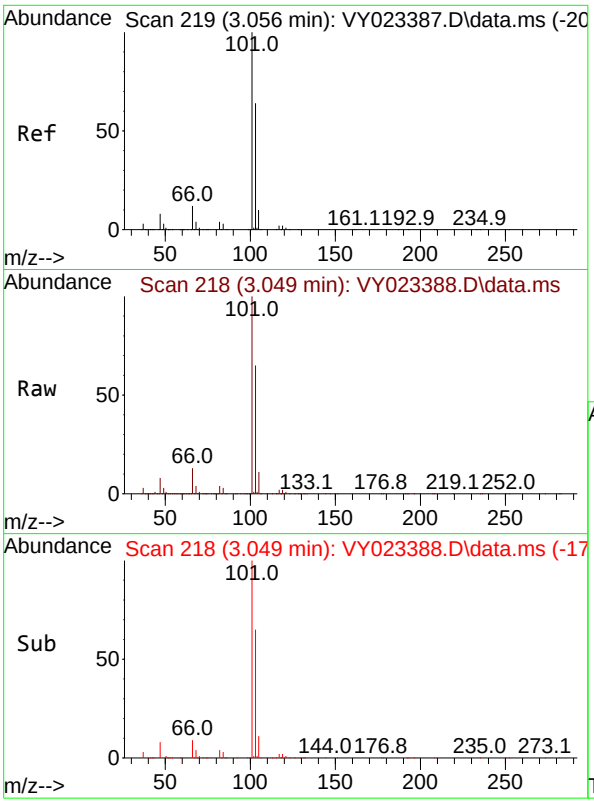


#6
Chloroethane
Concen: 85.968 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 64 Resp: 491625

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.2	39.4

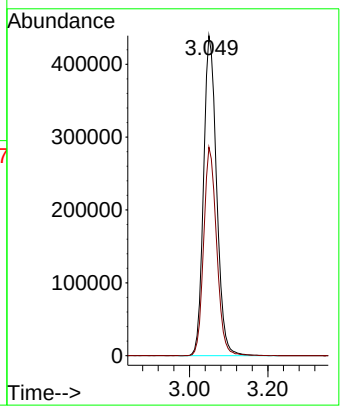




#7
Trichlorofluoromethane
Concen: 93.610 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:101 Resp: 101285

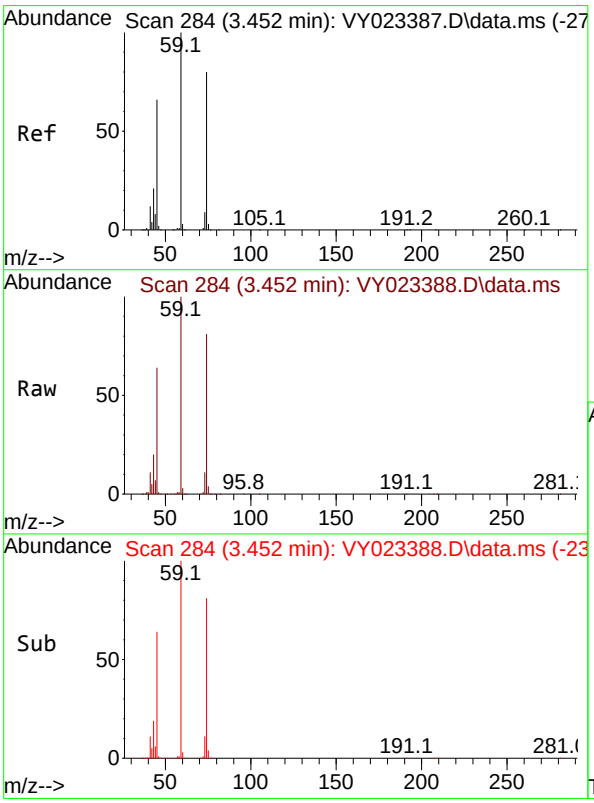
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

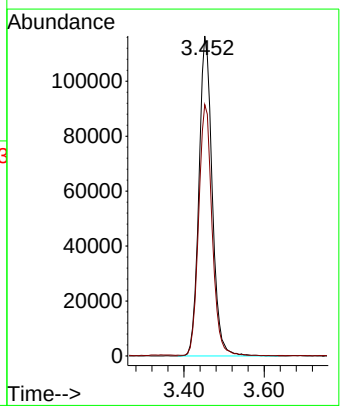
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

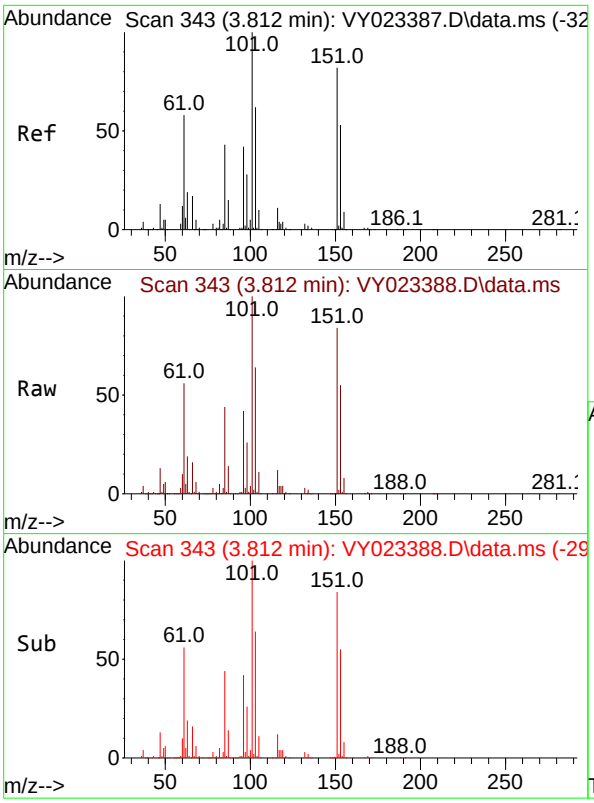


#8
Diethyl Ether
Concen: 94.266 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

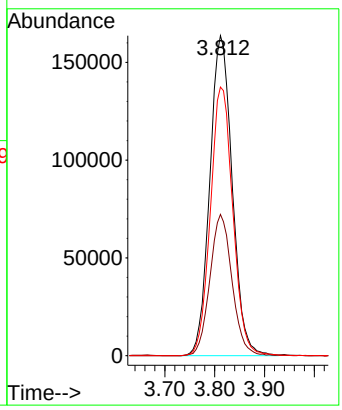
Tgt Ion:101 Resp: 51148

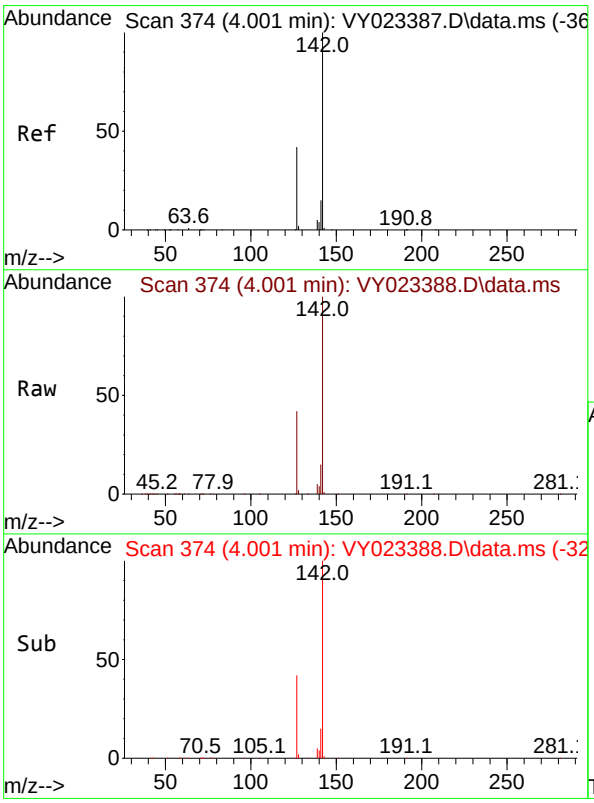
Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.6	51.8
151	84.1	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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

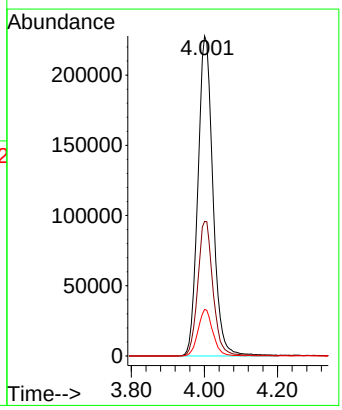


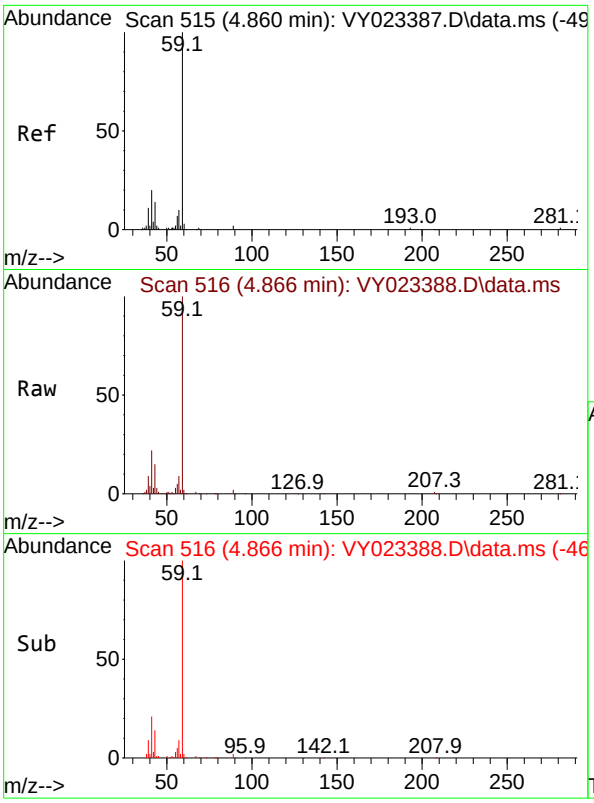


#10
Methyl Iodide
Concen: 97.495 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

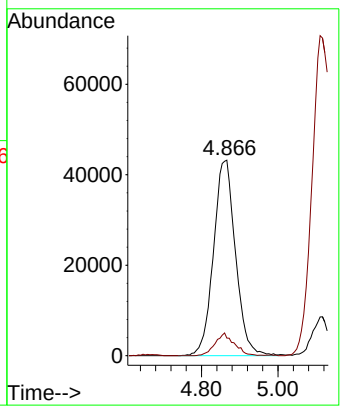




#11
Tert butyl alcohol
Concen: 568.898 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 59 Resp: 17271

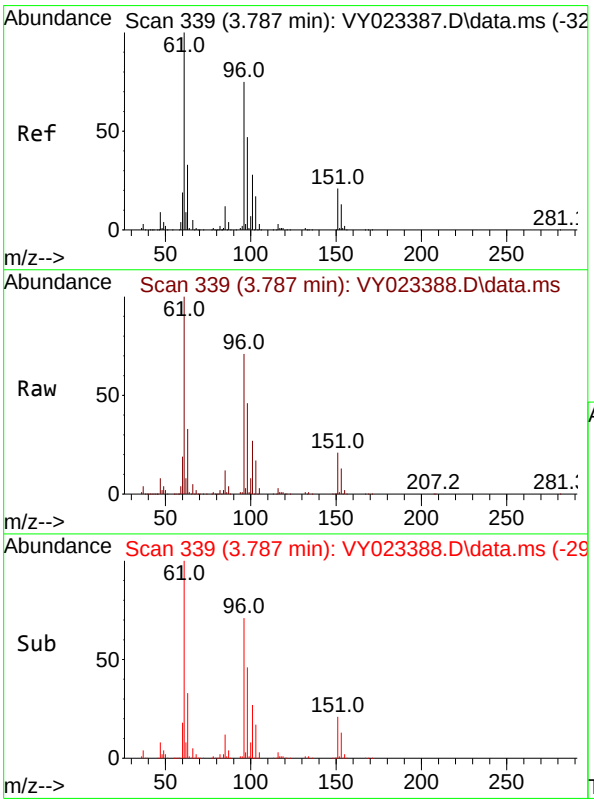
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

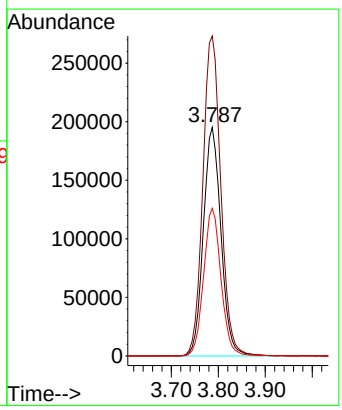
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

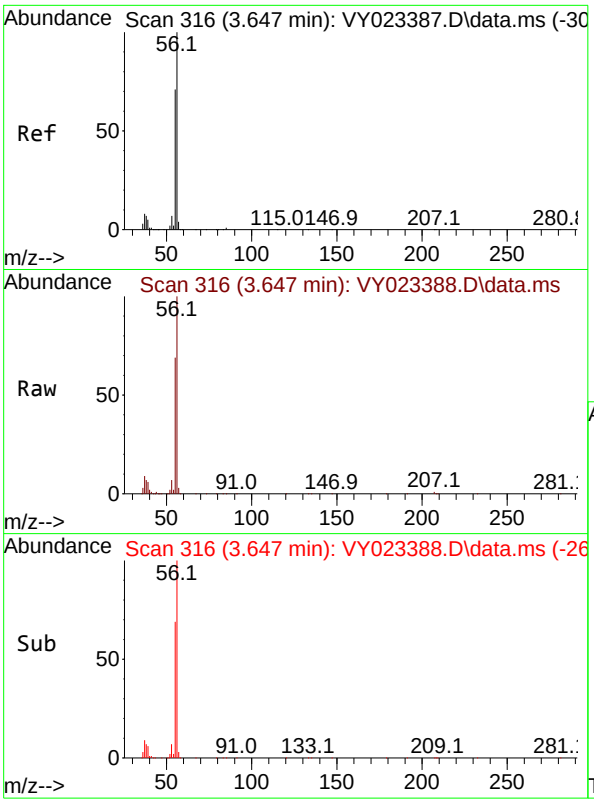


#12
1,1-Dichloroethene
Concen: 91.303 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

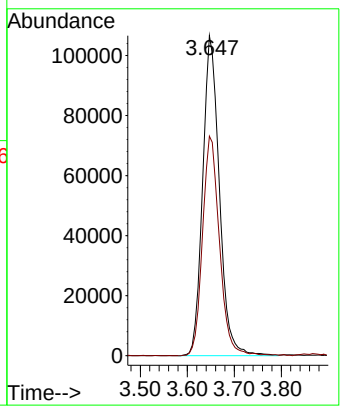




#13
Acrolein
Concen: 510.573 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 56 Resp: 26263

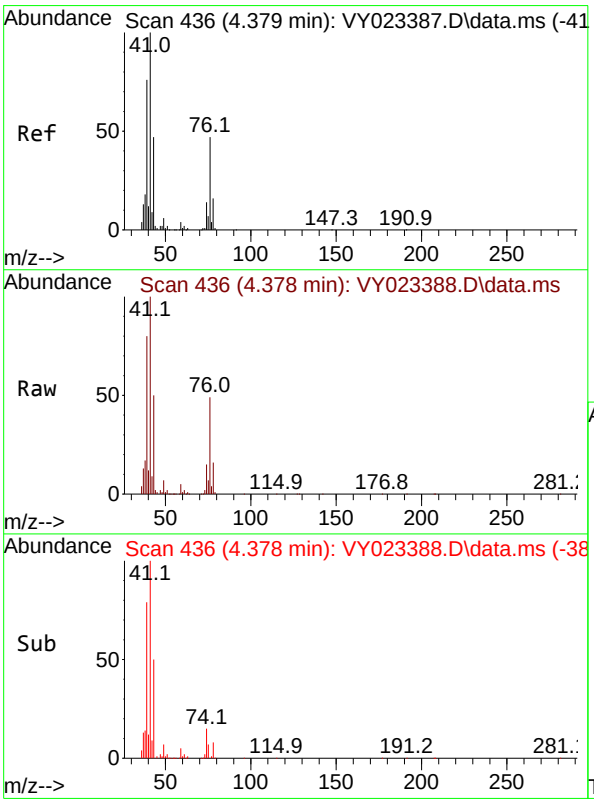
Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

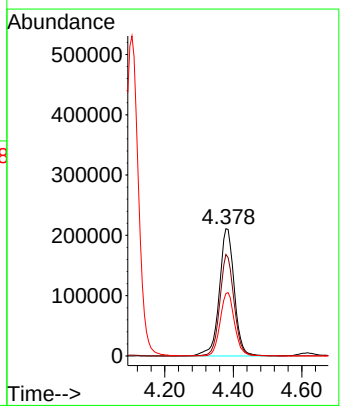
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

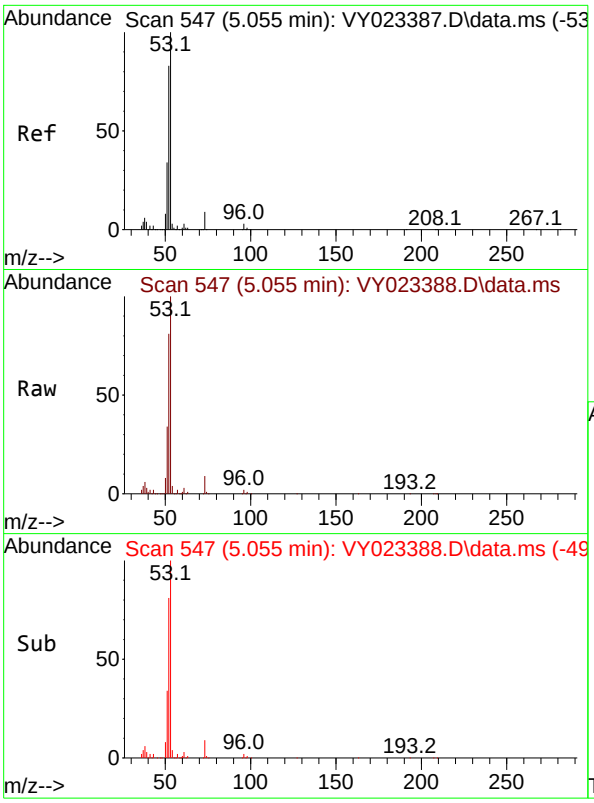


#14
Allyl chloride
Concen: 91.446 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

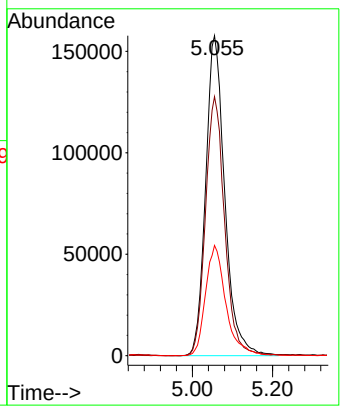




#15
Acrylonitrile
Concen: 471.296 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 53 Resp: 52251

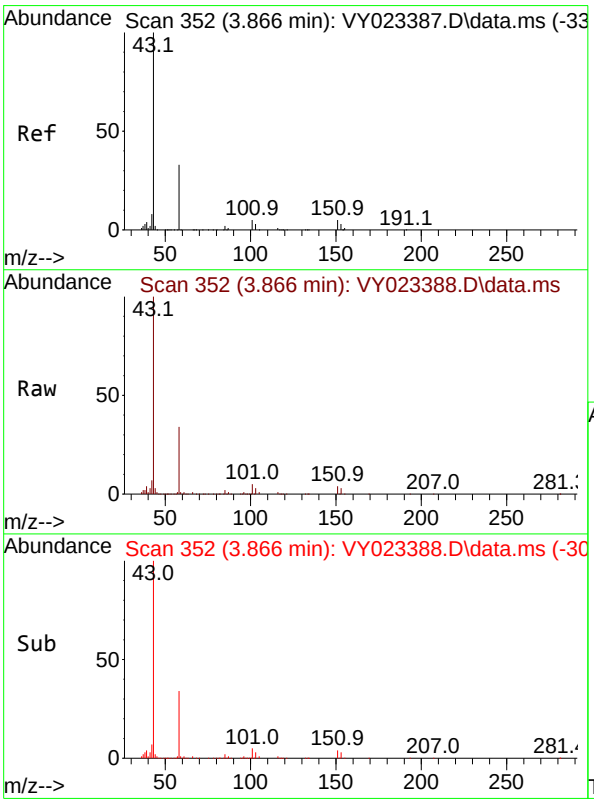
Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.6	97.0
51	36.7	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

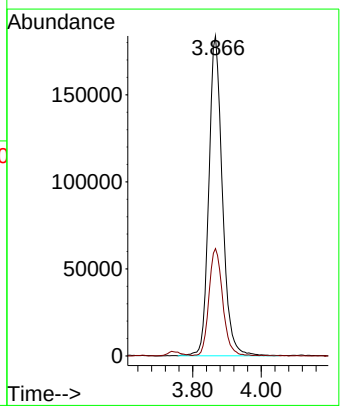
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

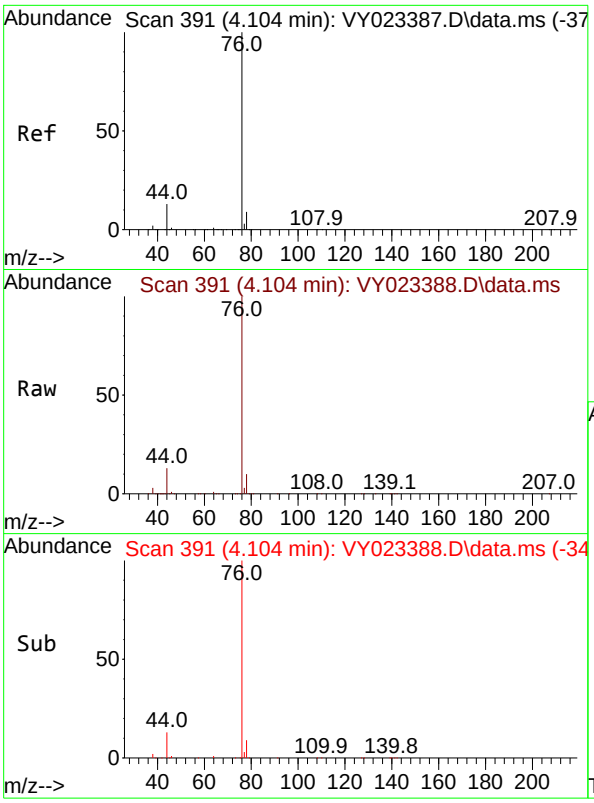


#16
Acetone
Concen: 435.004 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 504700

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.7	41.5

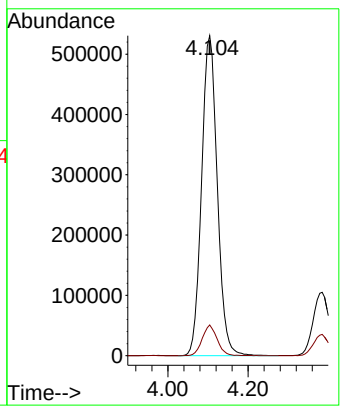




#17
Carbon Disulfide
Concen: 83.061 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 76 Resp: 144200

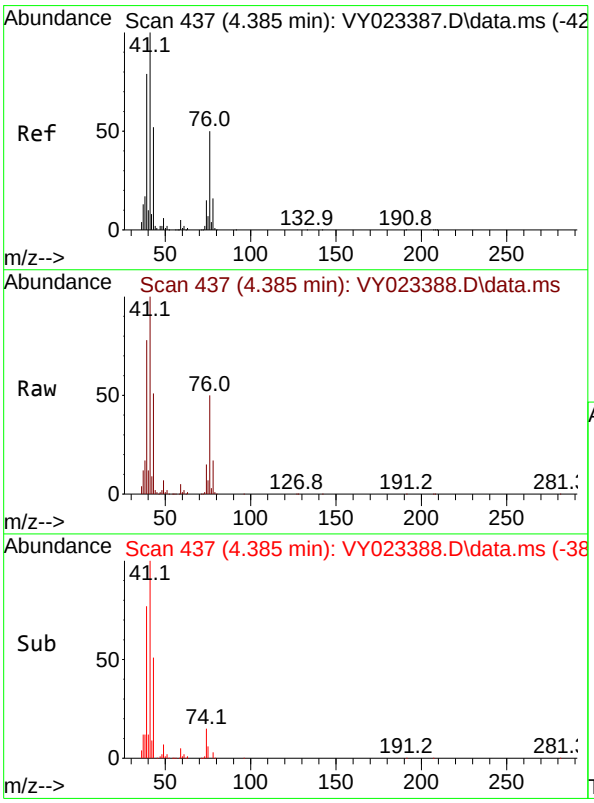
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

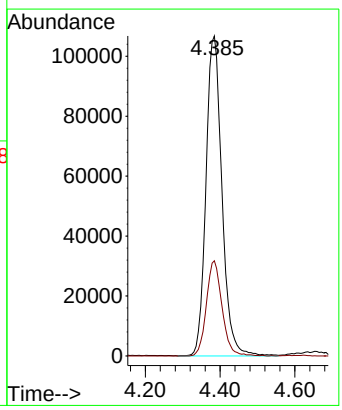
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

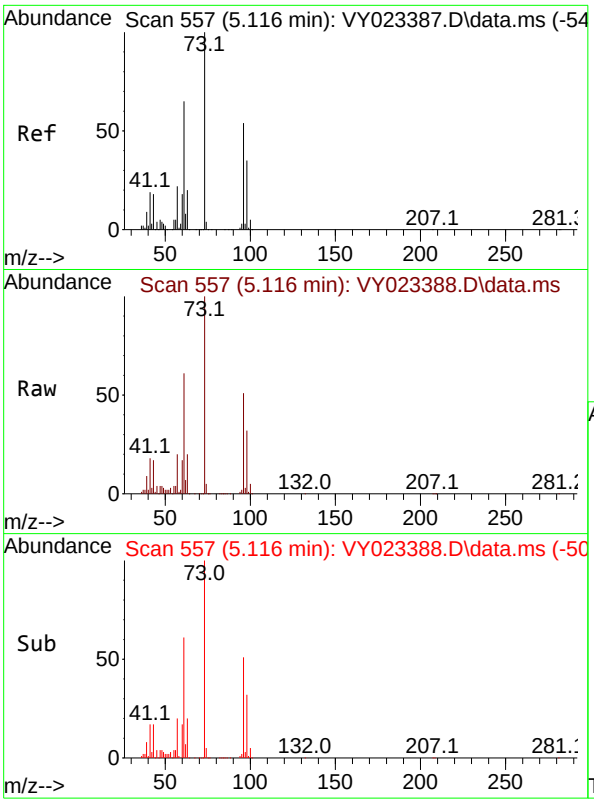


#18
Methyl Acetate
Concen: 107.474 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 316911

Ion	Ratio	Lower	Upper
43	100		
74	29.1	24.2	36.4

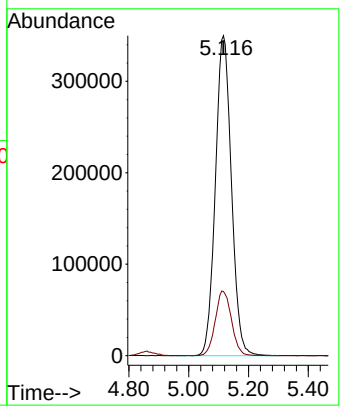




#19
Methyl tert-butyl Ether
Concen: 99.797 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 73 Resp: 130020

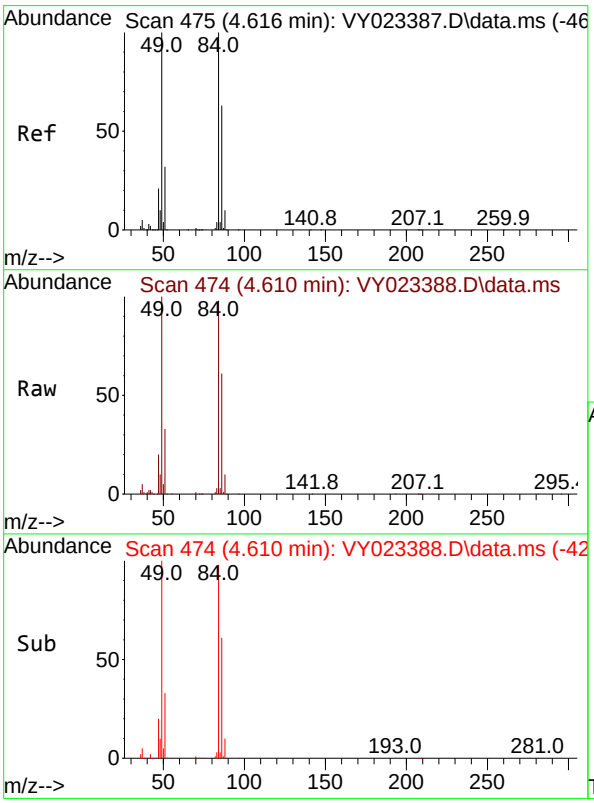
Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

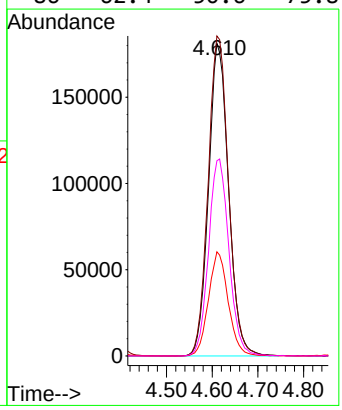
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

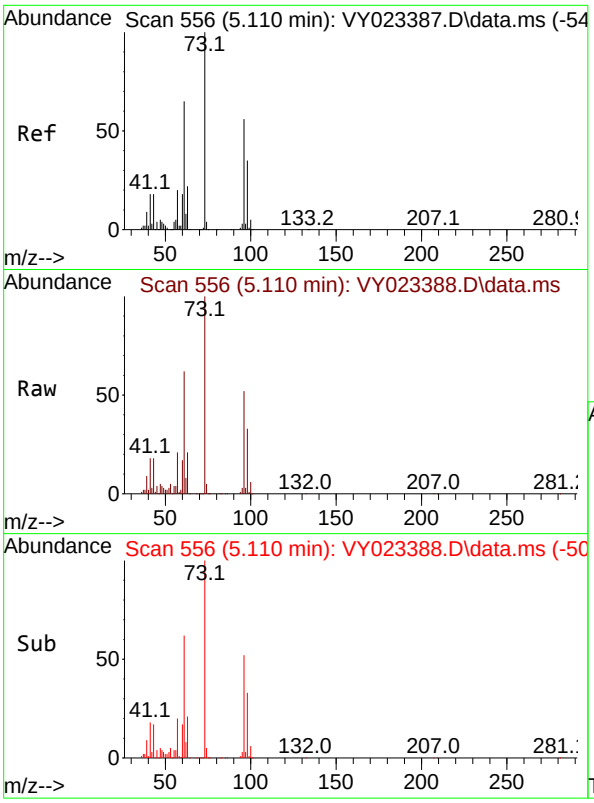


#20
Methylene Chloride
Concen: 87.742 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

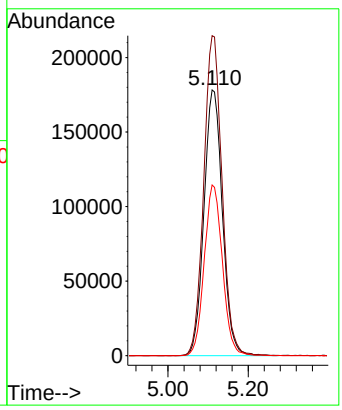




#21
trans-1,2-Dichloroethene
Concen: 91.999 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 96 Resp: 56933

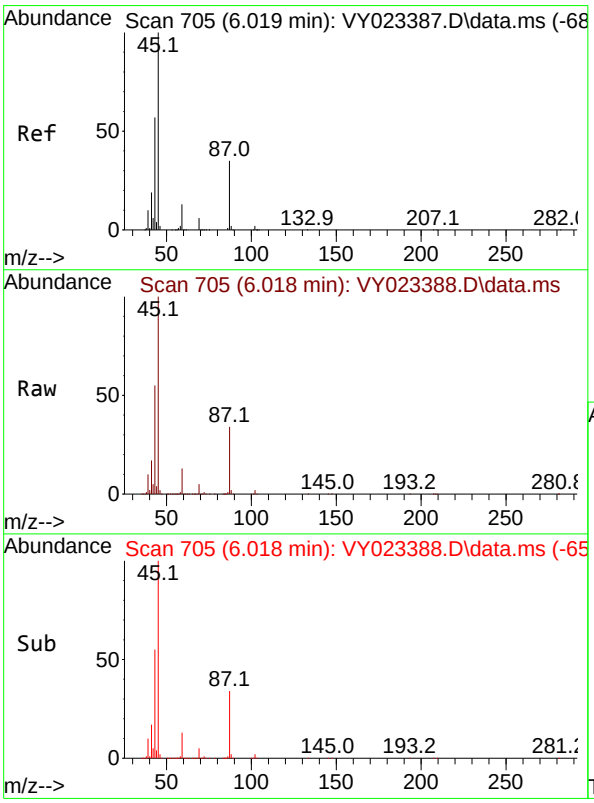
Ion	Ratio	Lower	Upper
96	100		
61	120.4	92.7	139.1
98	64.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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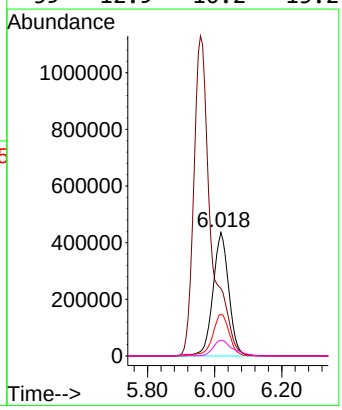
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

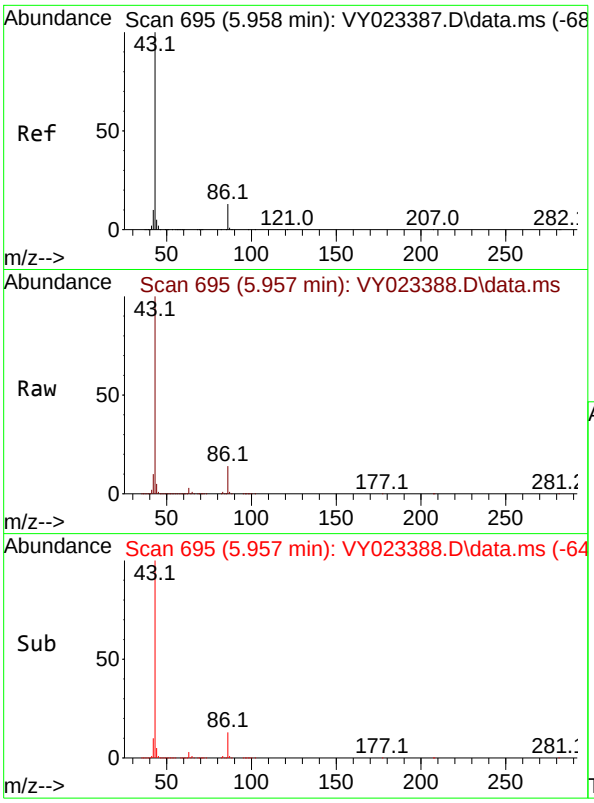


#22
Diisopropyl ether
Concen: 92.133 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

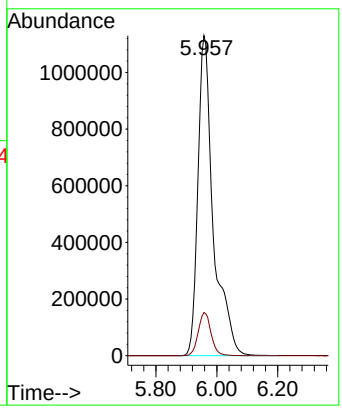
Tgt Ion: 43 Resp: 397505

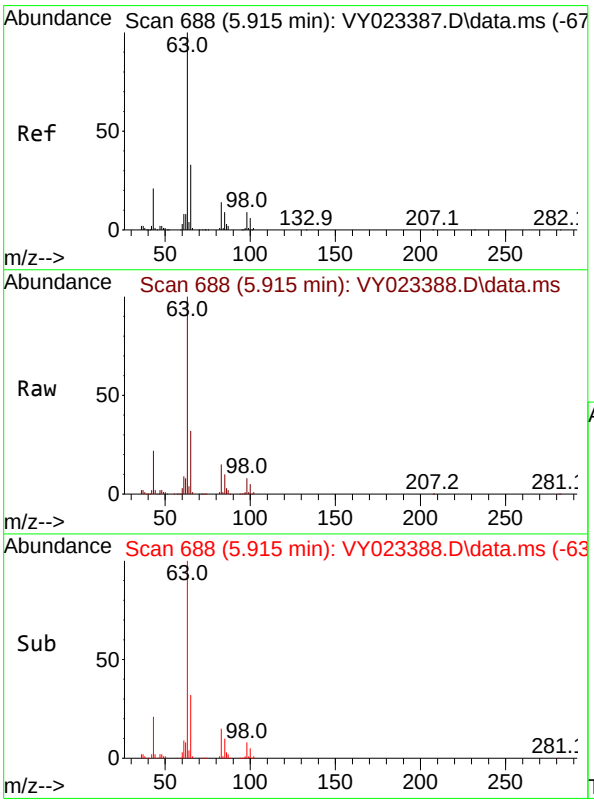
Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.6	15.8

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

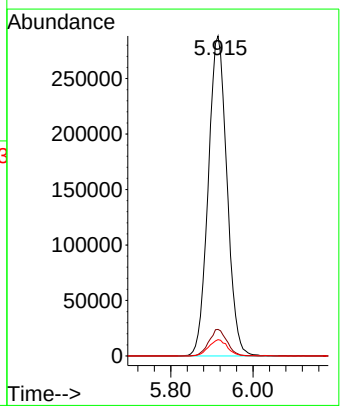


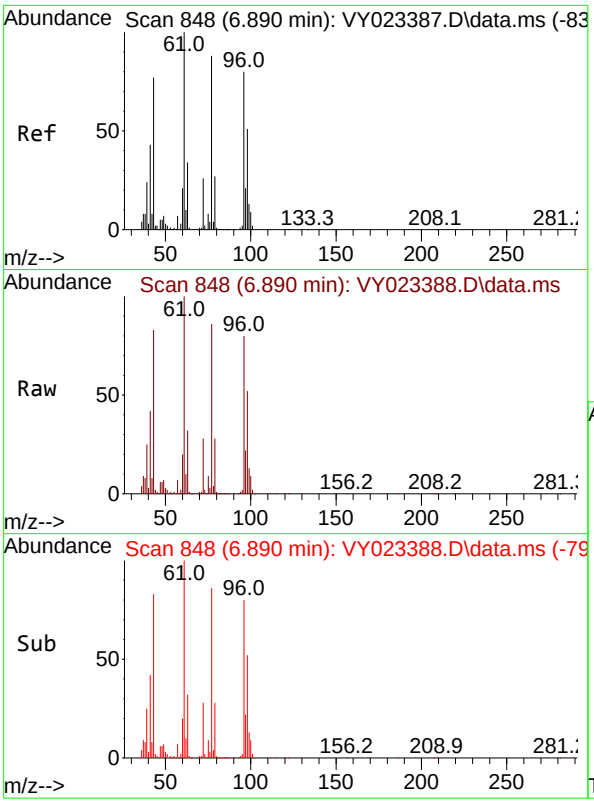


#24
1,1-Dichloroethane
Concen: 89.517 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

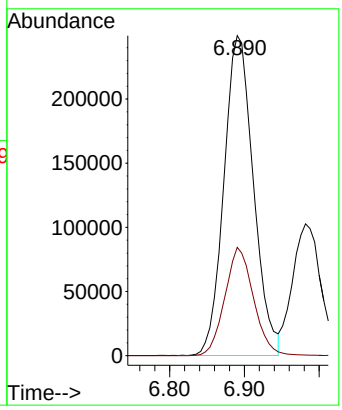
Tgt Ion: 43 Resp: 68569

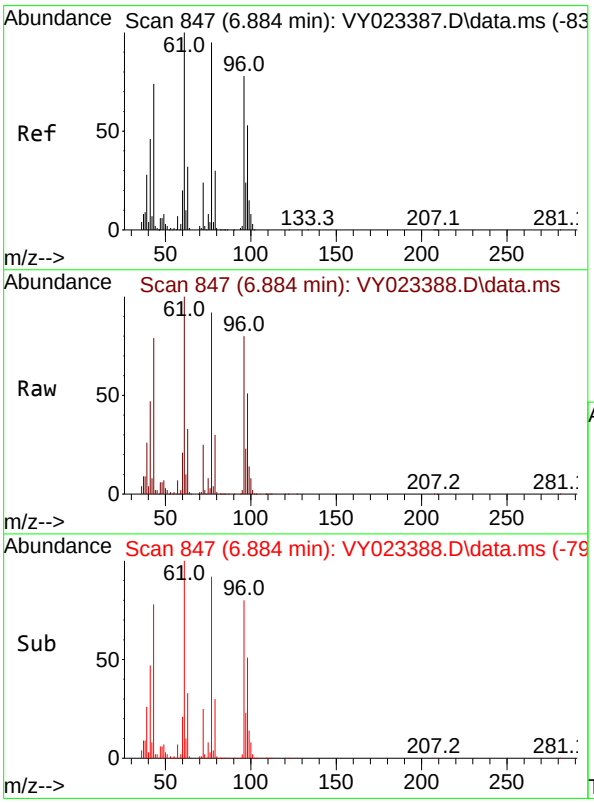
Ion	Ratio	Lower	Upper
43	100		
72	33.9	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

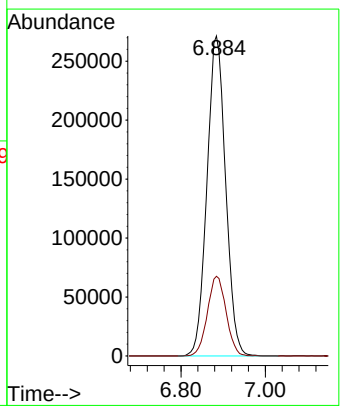


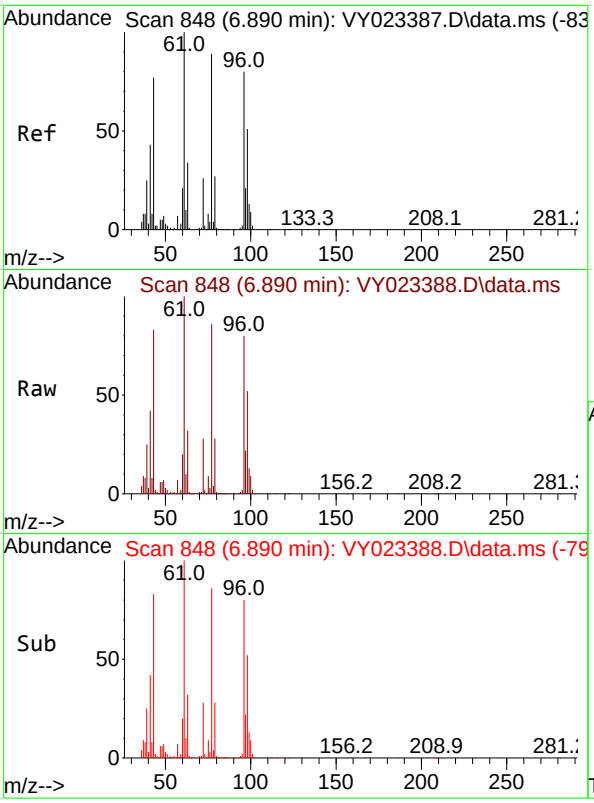


#26
2,2-Dichloropropane
Concen: 92.108 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 77 Resp: 833452

Ion	Ratio	Lower	Upper
77	100		
97	25.0	12.1	36.3

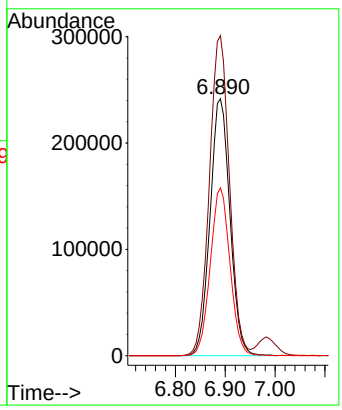




#27
cis-1,2-Dichloroethene
Concen: 95.557 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 96 Resp: 67077

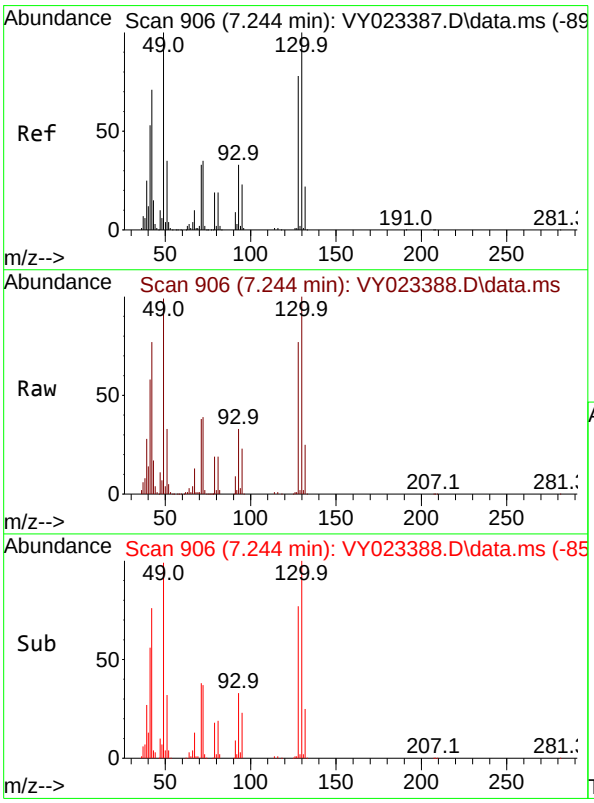
Ion	Ratio	Lower	Upper
96	100		
61	125.9	0.0	258.2
98	64.7	0.0	132.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

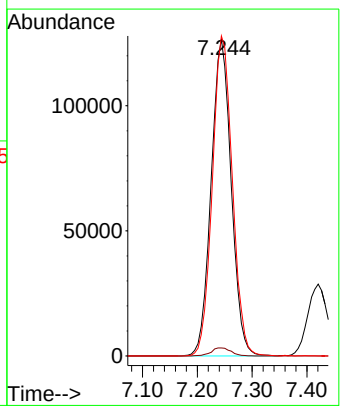
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

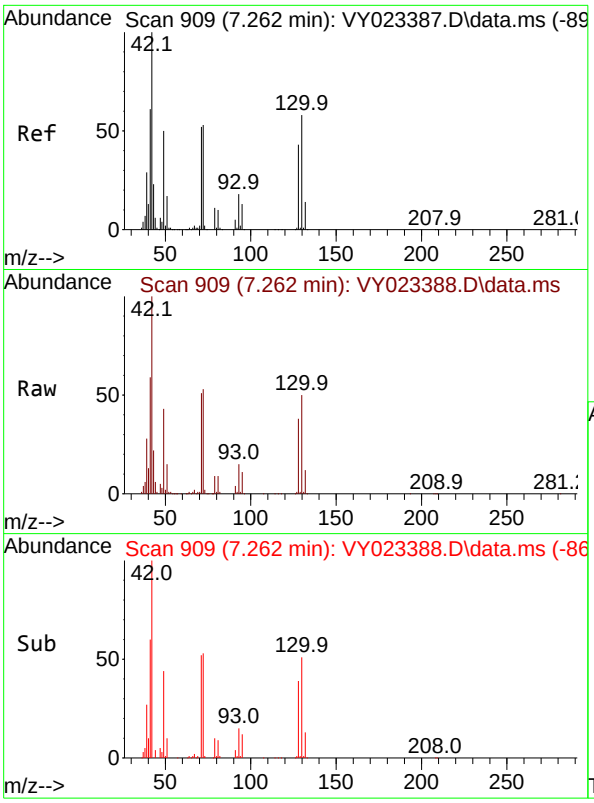


#28
Bromochloromethane
Concen: 81.418 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

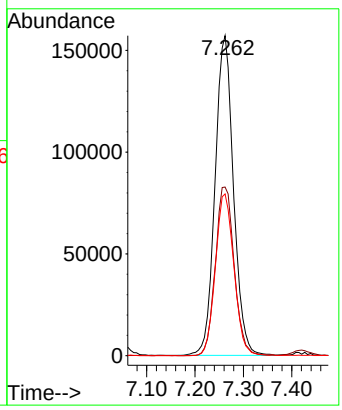




#29
Tetrahydrofuran
Concen: 488.587 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 42 Resp: 41586

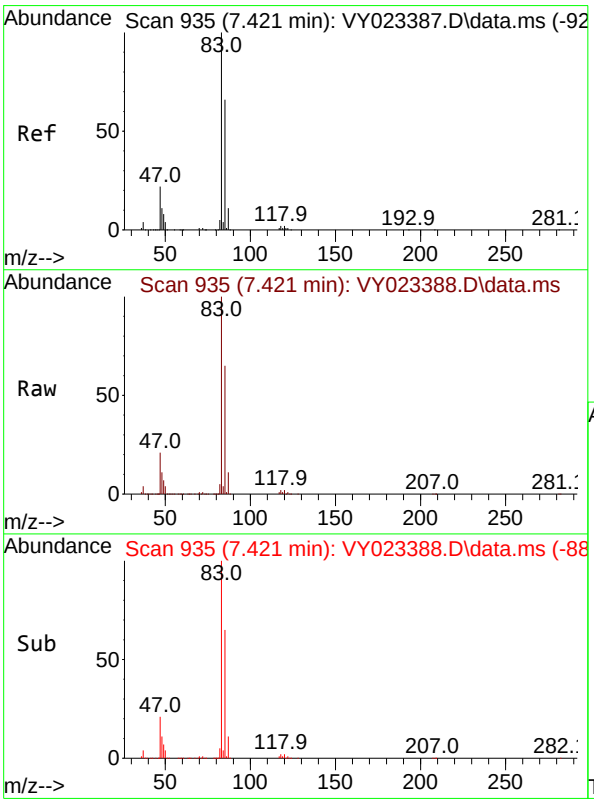
Ion	Ratio	Lower	Upper
42	100		
72	54.1	43.0	64.6
71	50.9	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

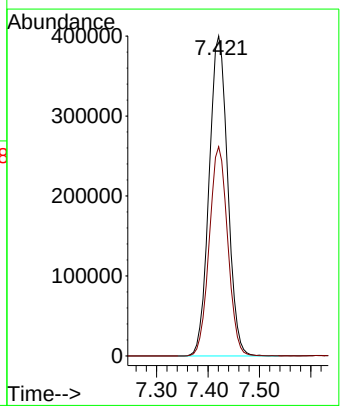
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

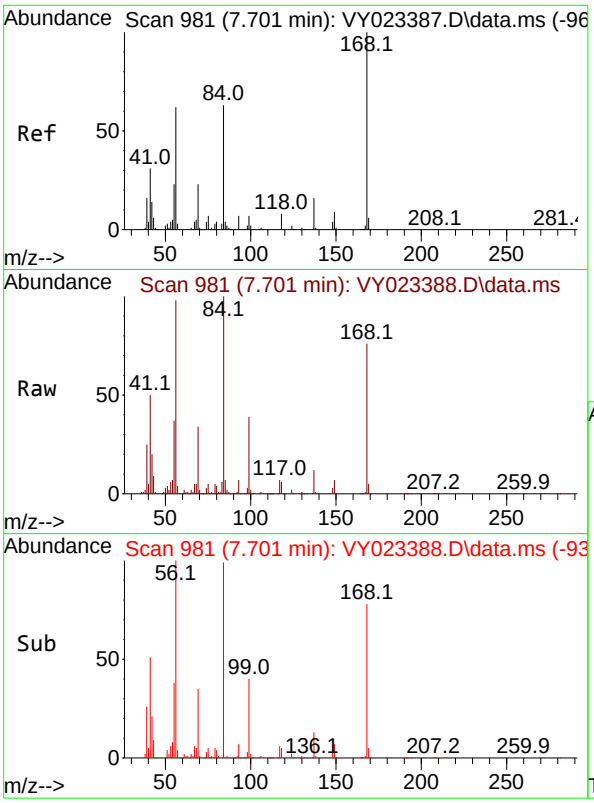


#30
Chloroform
Concen: 91.401 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 83 Resp: 1003722

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7

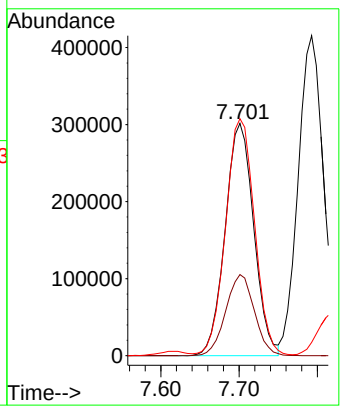




#31
Cyclohexane
Concen: 85.293 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 56 Resp: 76708

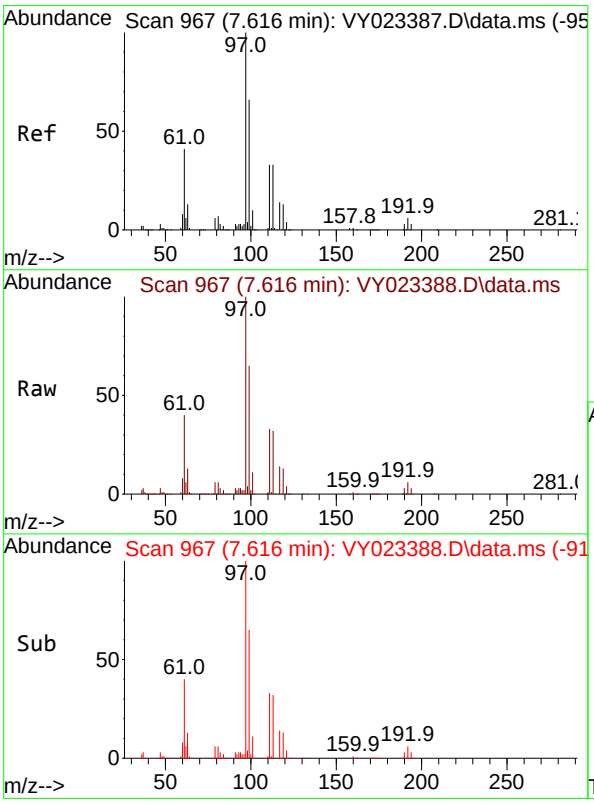
Ion	Ratio	Lower	Upper
56	100		
69	34.9	30.0	45.0
84	100.2	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

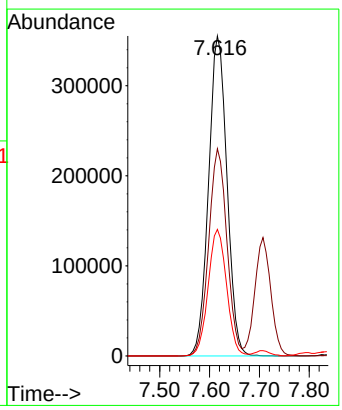
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

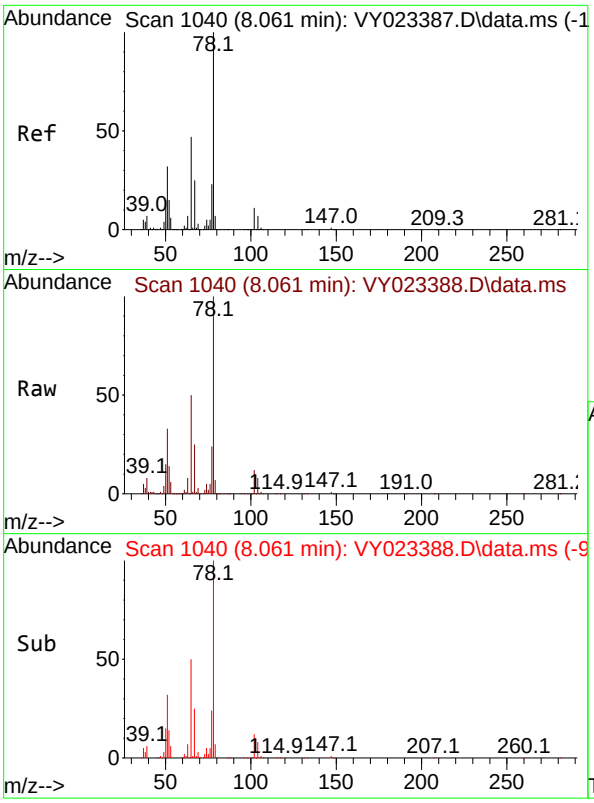


#32
1,1,1-Trichloroethane
Concen: 92.399 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

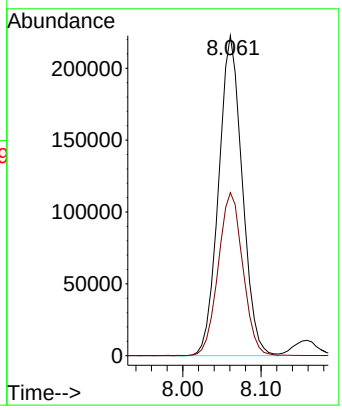




#33
1,2-Dichloroethane-d4
Concen: 90.510 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 65 Resp: 46700

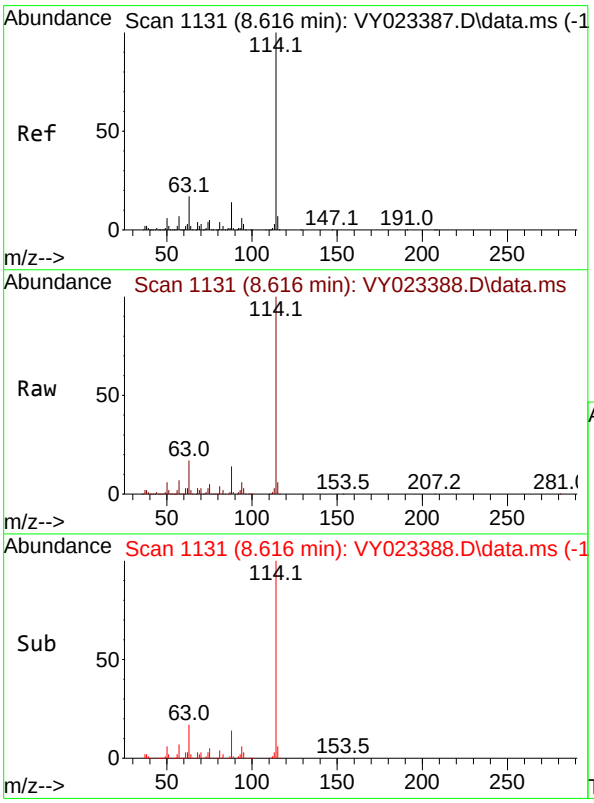
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

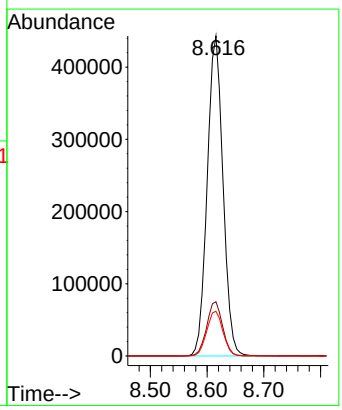
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

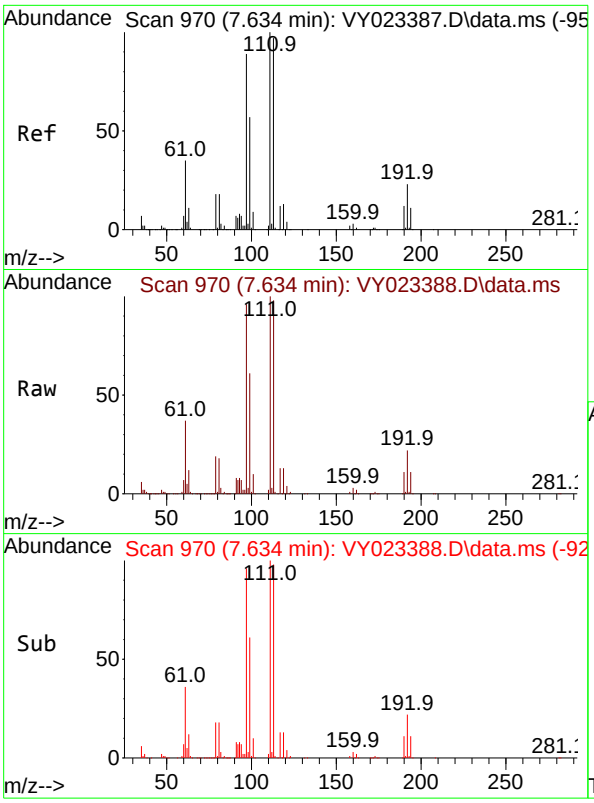


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

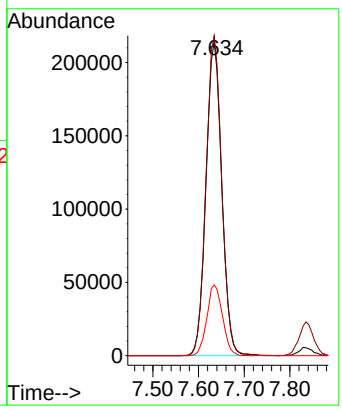
Tgt Ion:113 Resp: 51147

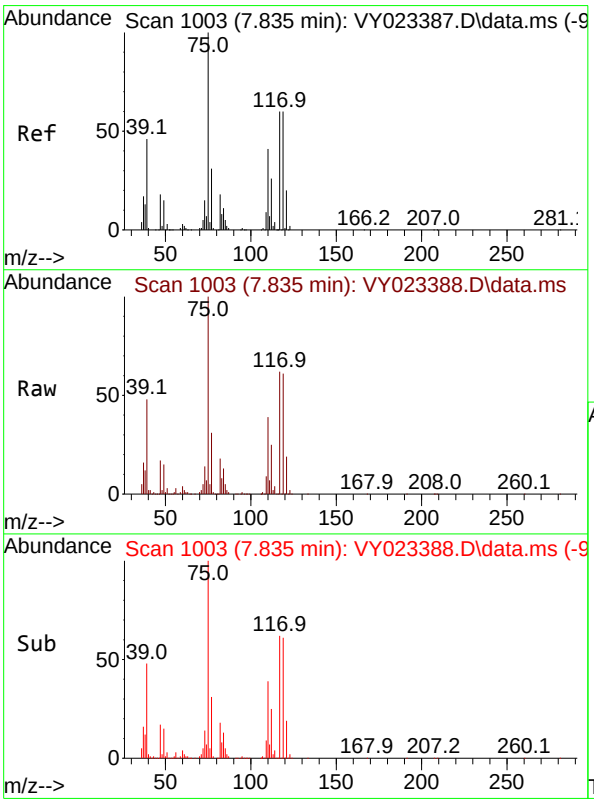
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.5	18.0	27.0

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

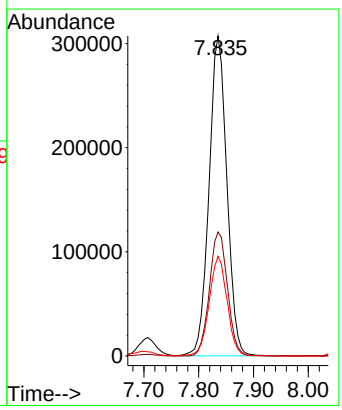


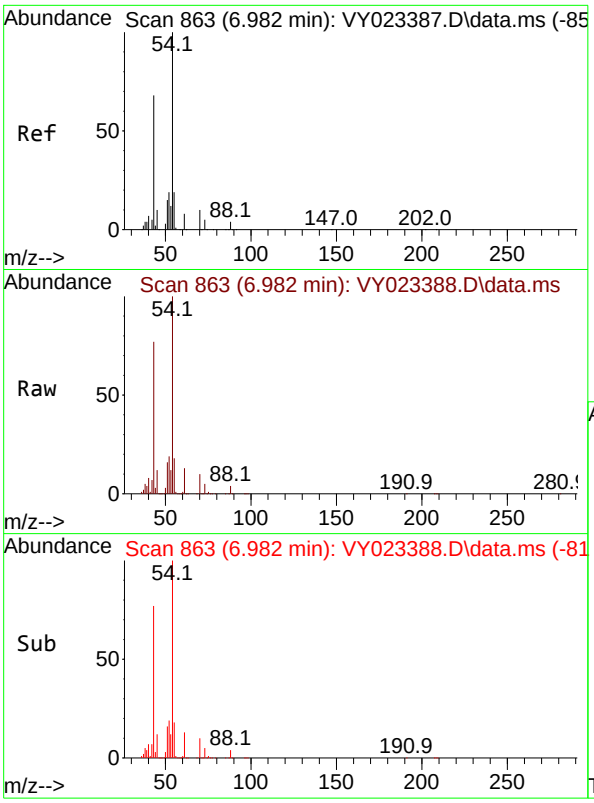


#36
1,1-Dichloropropene
Concen: 94.516 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

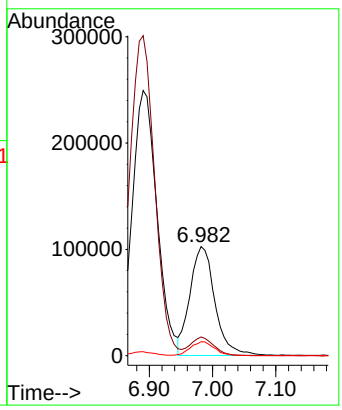
Tgt Ion: 43 Resp: 28056

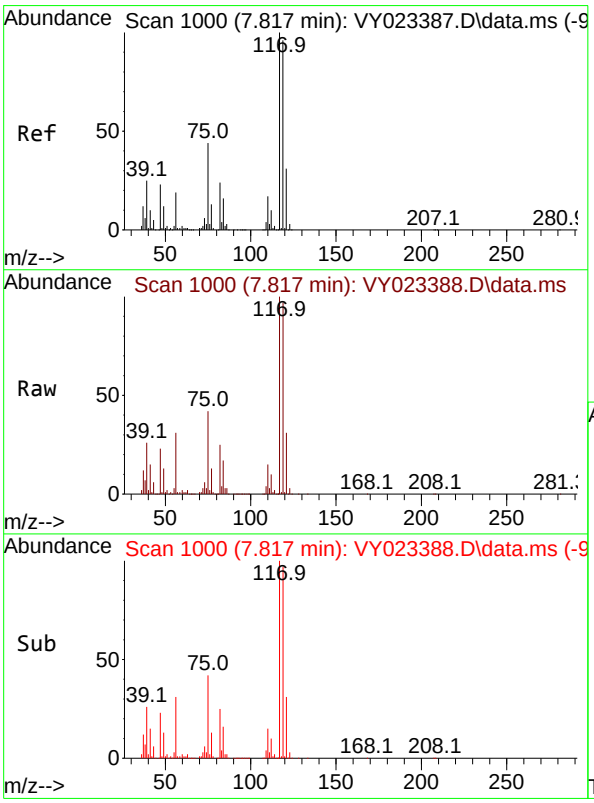
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.8
70	12.4	10.5	15.7

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

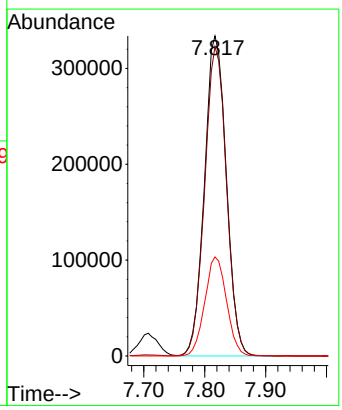


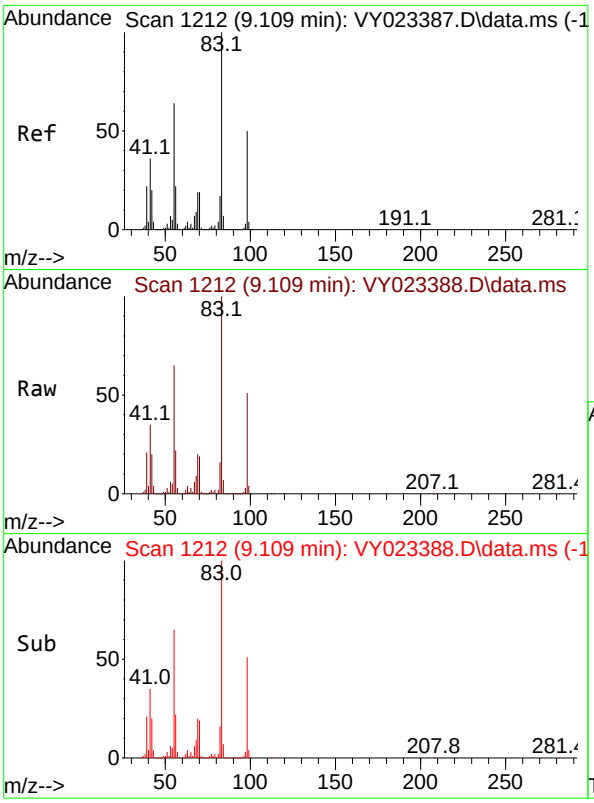


#38
Carbon Tetrachloride
Concen: 97.894 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

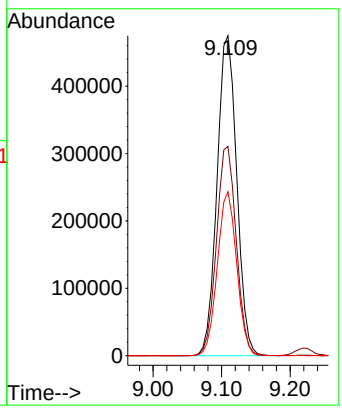




#39
Methylcyclohexane
Concen: 101.024 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 83 Resp: 94766

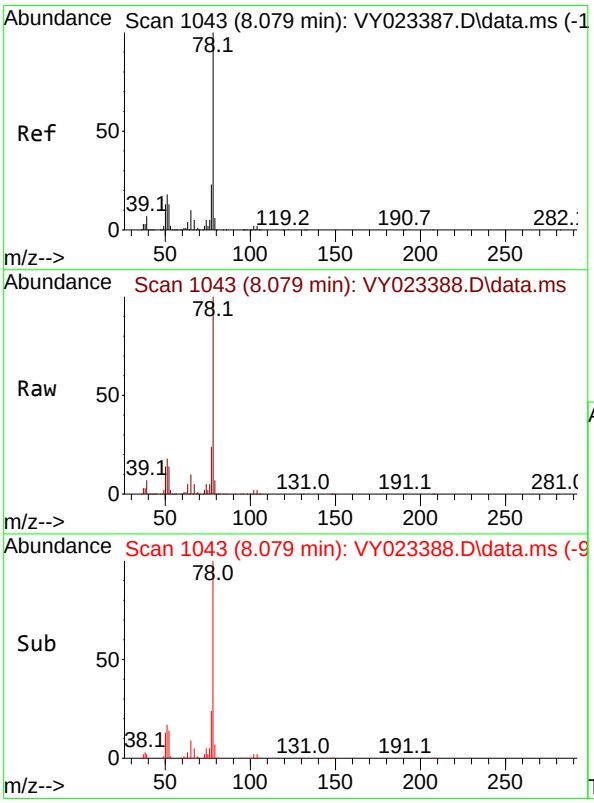
Ion	Ratio	Lower	Upper
83	100		
55	65.4	51.4	77.2
98	51.3	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

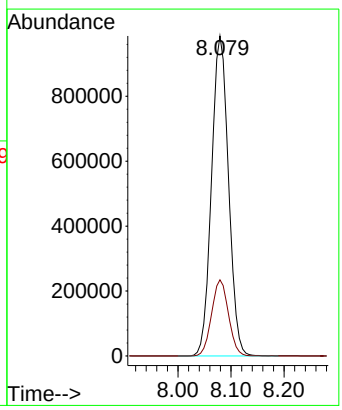
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

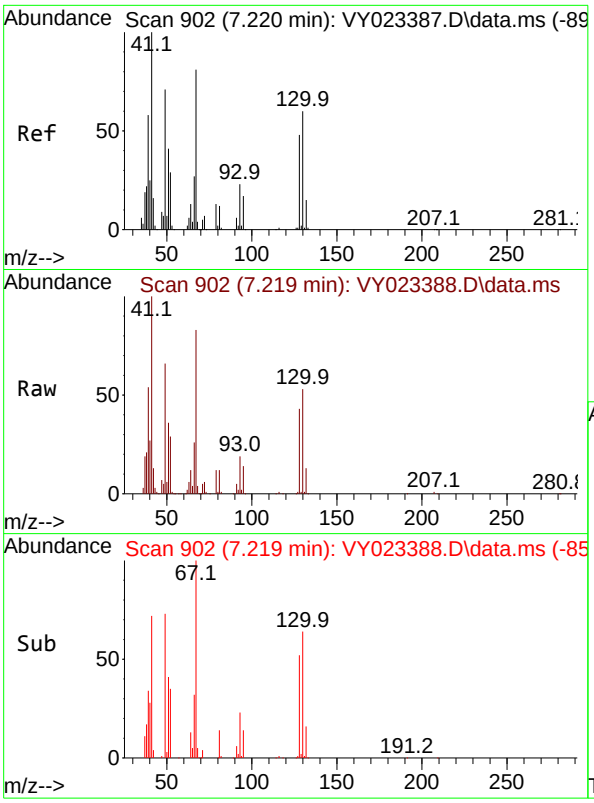


#40
Benzene
Concen: 96.000 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 78 Resp: 2192645

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.3	27.5

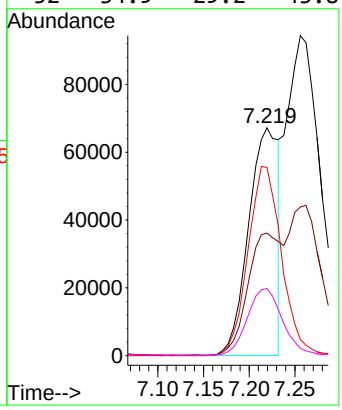




#41
Methacrylonitrile
Concen: 101.200 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 41 Resp: 15223

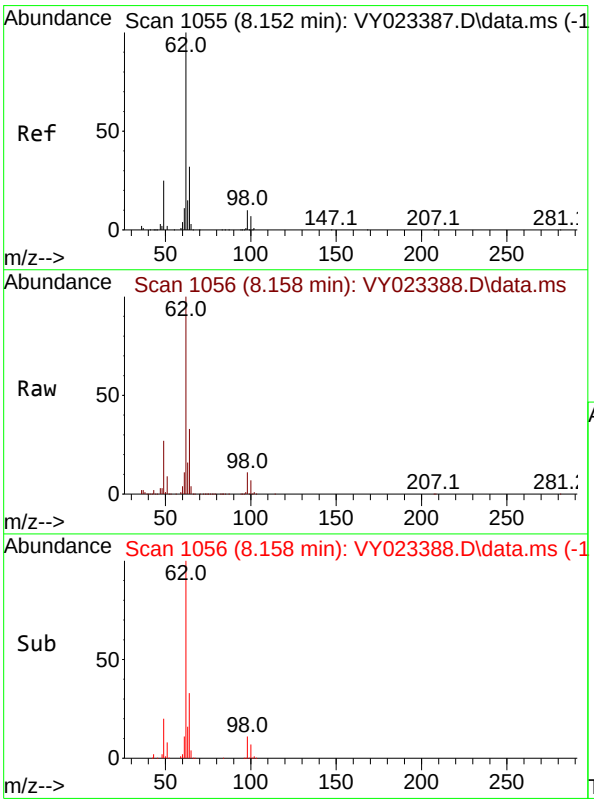
Ion	Ratio	Lower	Upper
41	100		
39	62.6	52.2	78.4
67	93.9	74.9	112.3
52	34.9	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

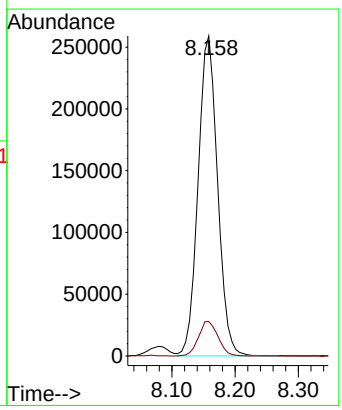
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

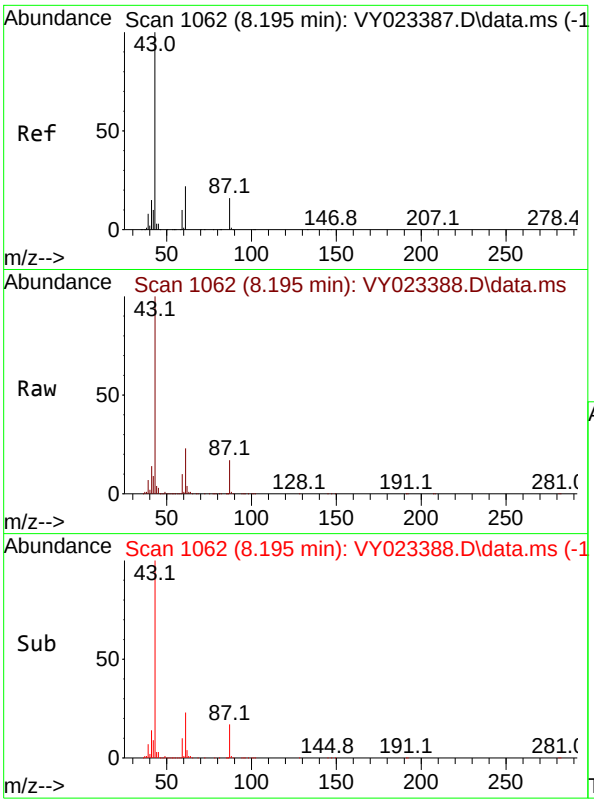


#42
1,2-Dichloroethane
Concen: 95.449 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 62 Resp: 554810

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.6

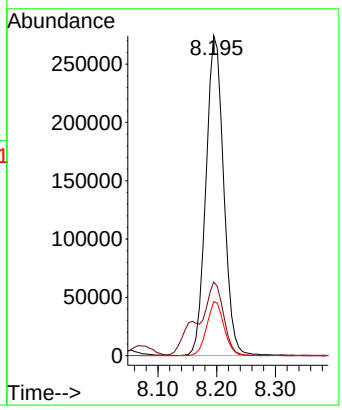




#43
Isopropyl Acetate
Concen: 101.815 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 57365

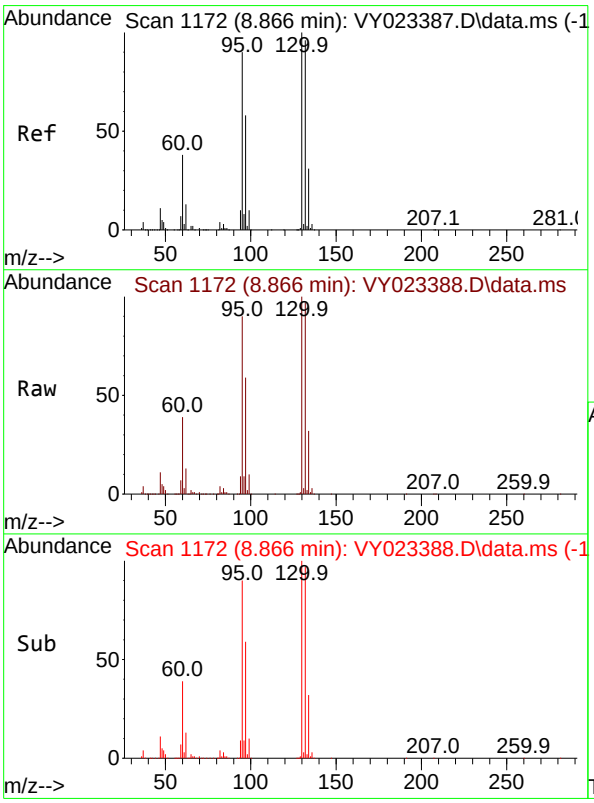
Ion	Ratio	Lower	Upper
43	100		
61	23.0	18.1	27.1
87	16.6	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

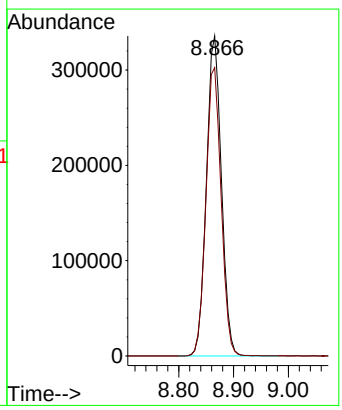
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

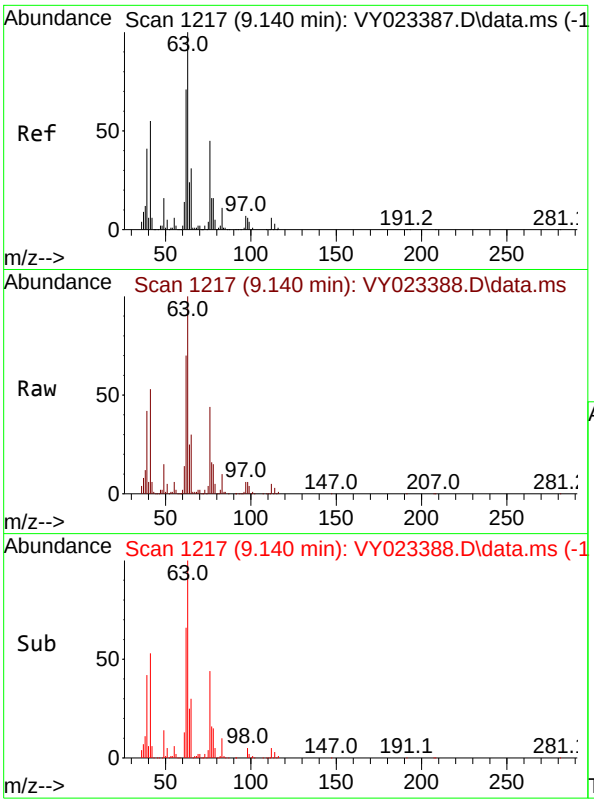


#44
Trichloroethene
Concen: 99.245 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:130 Resp: 636149

Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	180.6

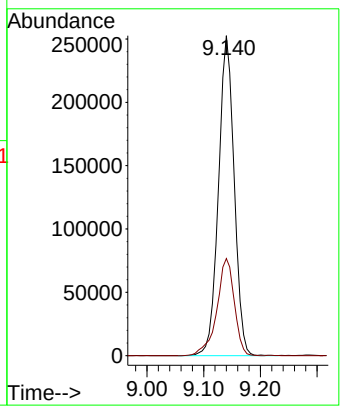




#45
1,2-Dichloropropane
Concen: 94.381 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 63 Resp: 48508

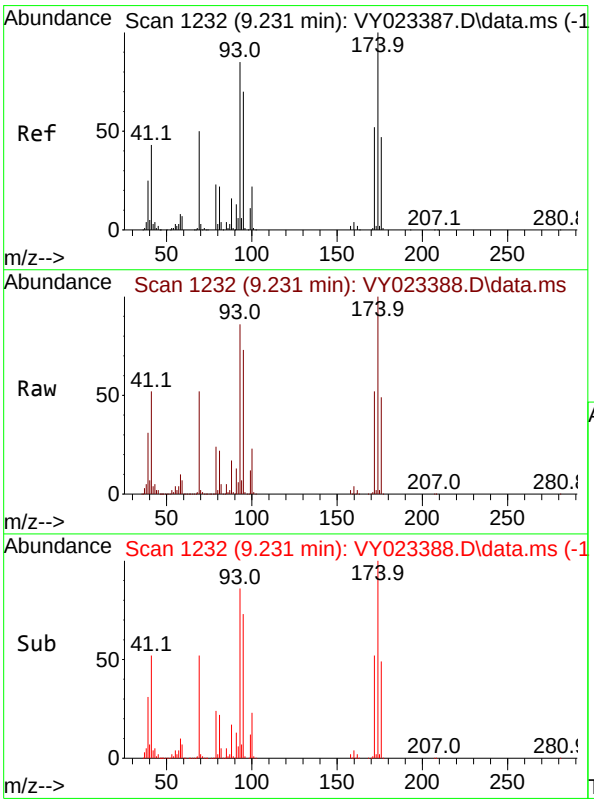
Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

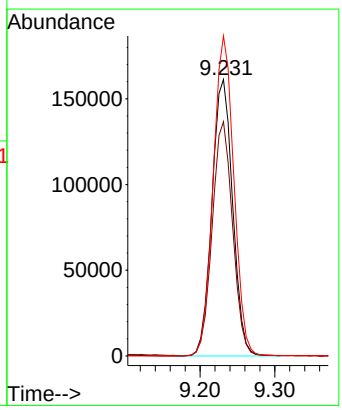
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

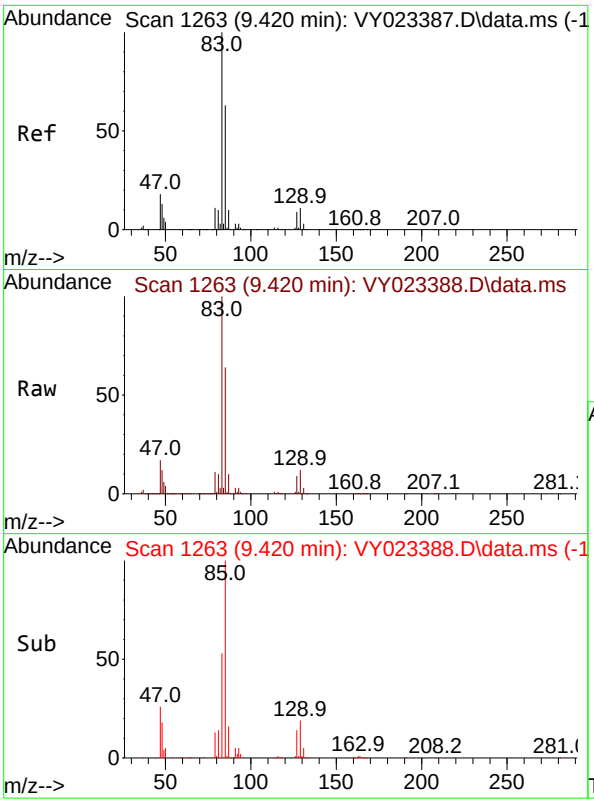


#46
Dibromomethane
Concen: 98.596 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

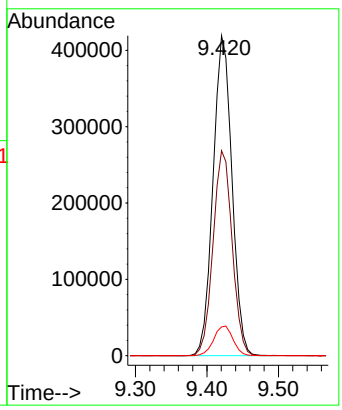




#47
Bromodichloromethane
Concen: 97.210 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 83 Resp: 76923

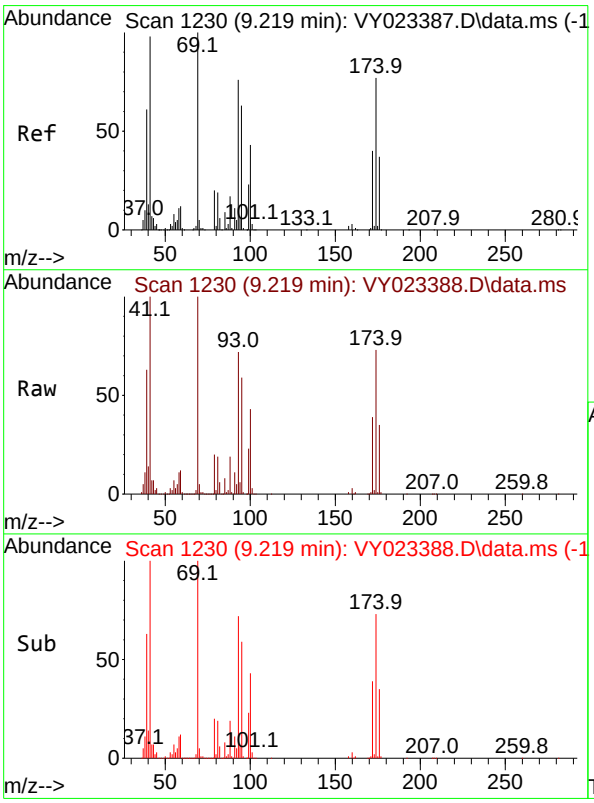
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.8	76.2
127	9.0	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

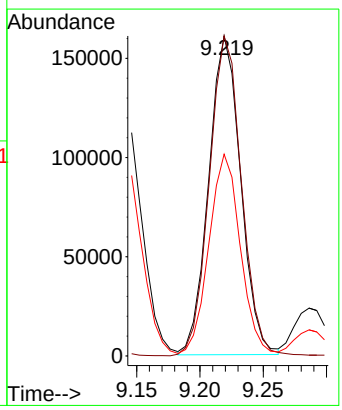
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

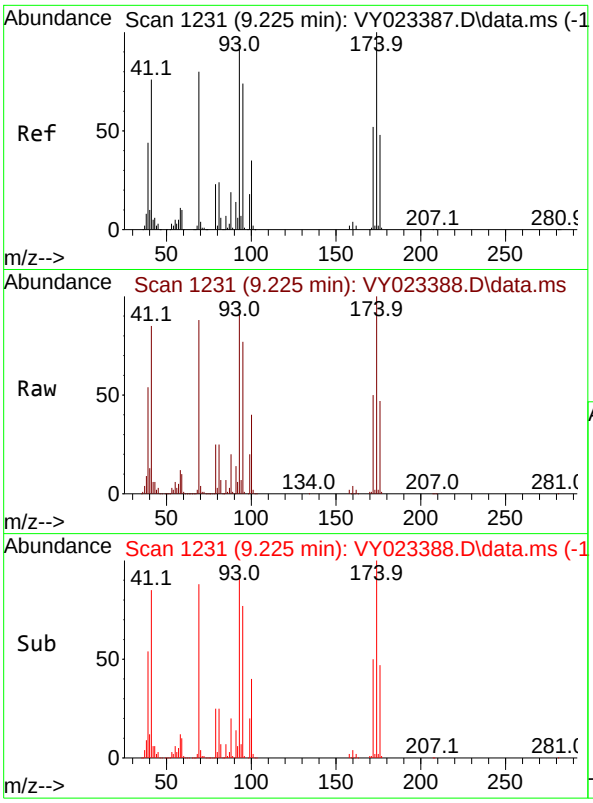


#48
Methyl methacrylate
Concen: 107.476 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

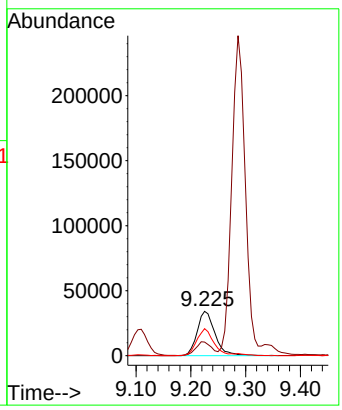




#49
1,4-Dioxane
Concen: 2374.722 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 88 Resp: 7730

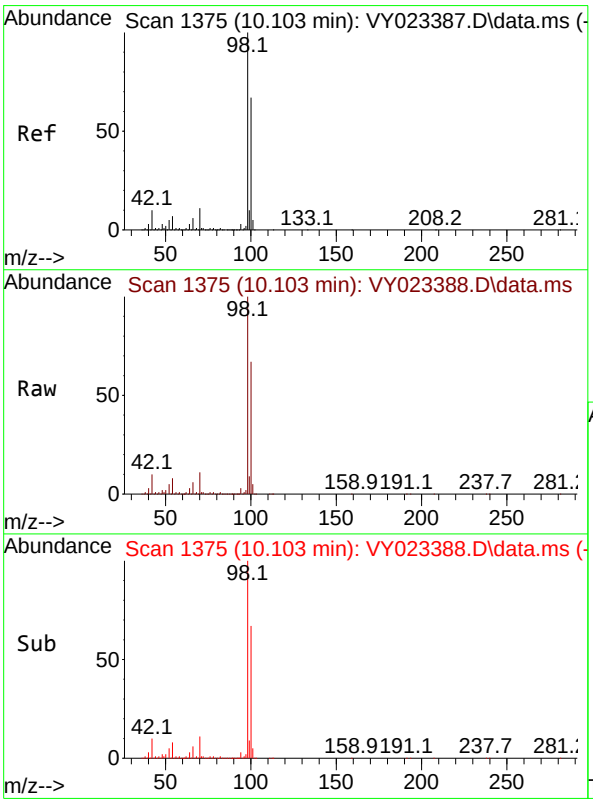
Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.8	32.8
58	58.0	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

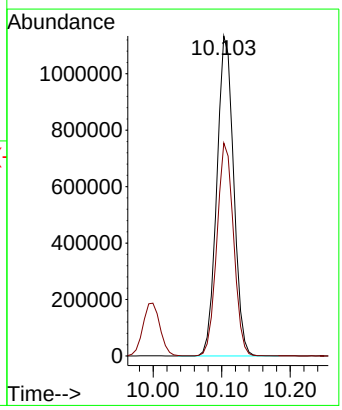
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

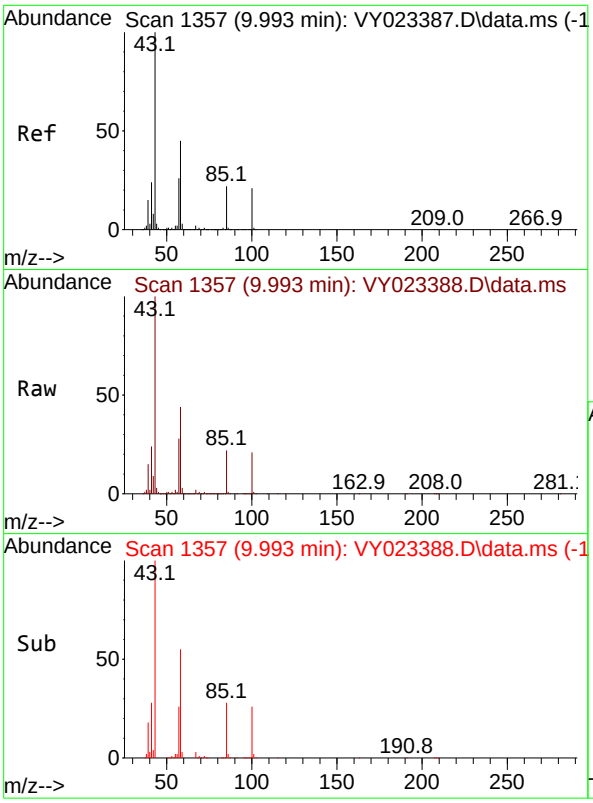


#50
Toluene-d8
Concen: 98.031 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 98 Resp: 1919872

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

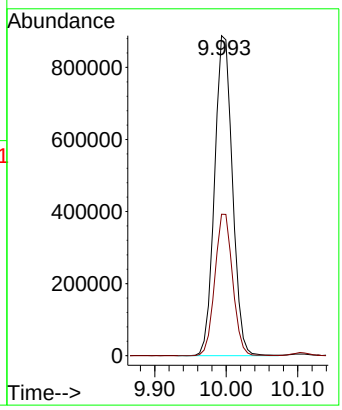




#51
4-Methyl-2-Pentanone
Concen: 533.386 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 153932

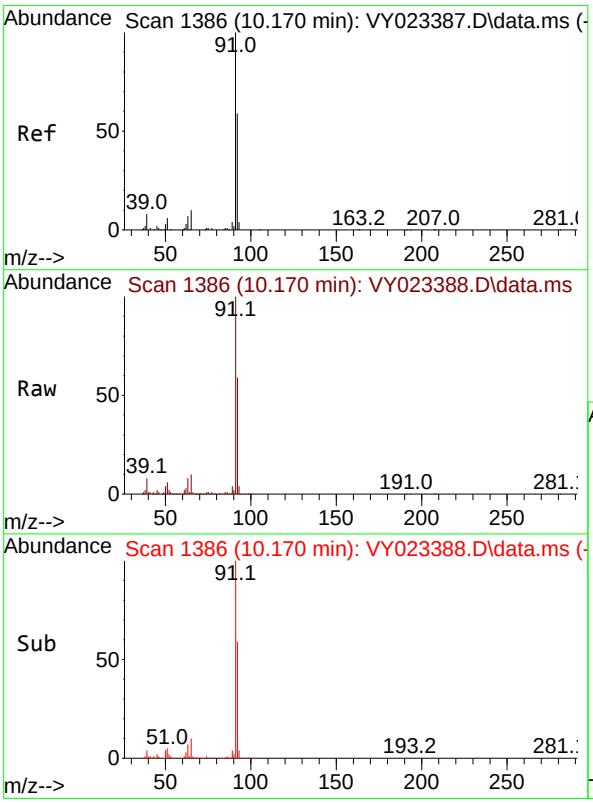
Ion	Ratio	Lower	Upper
43	100		
58	44.0	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

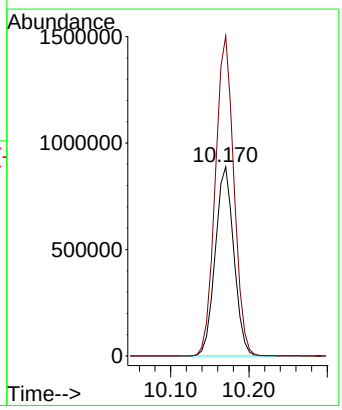
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

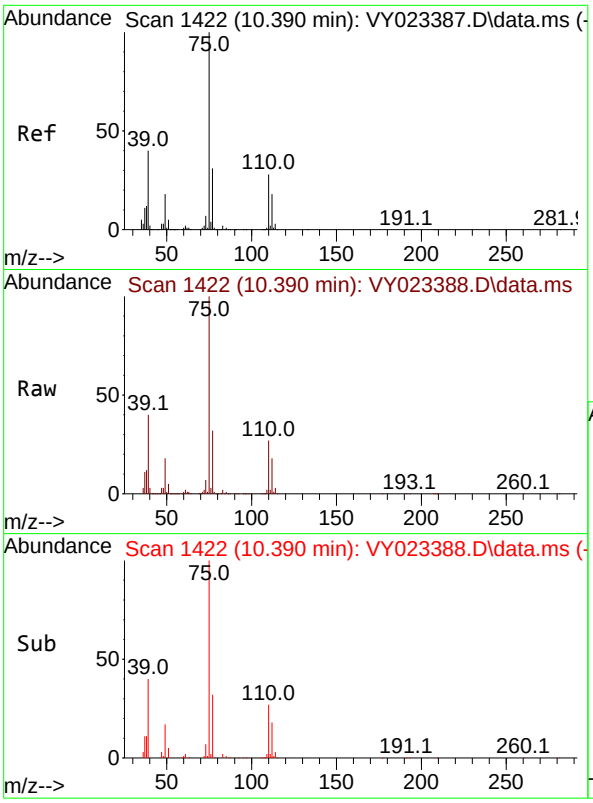


#52
Toluene
Concen: 100.905 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 92 Resp: 1462927

Ion	Ratio	Lower	Upper
92	100		
91	169.6	136.4	204.6

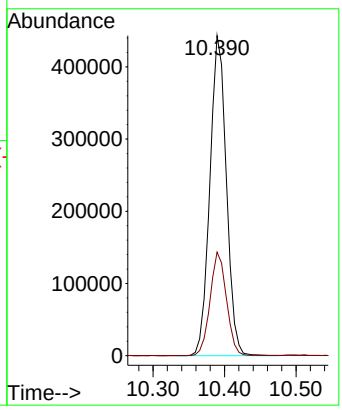




#53
t-1,3-Dichloropropene
Concen: 104.537 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 71047

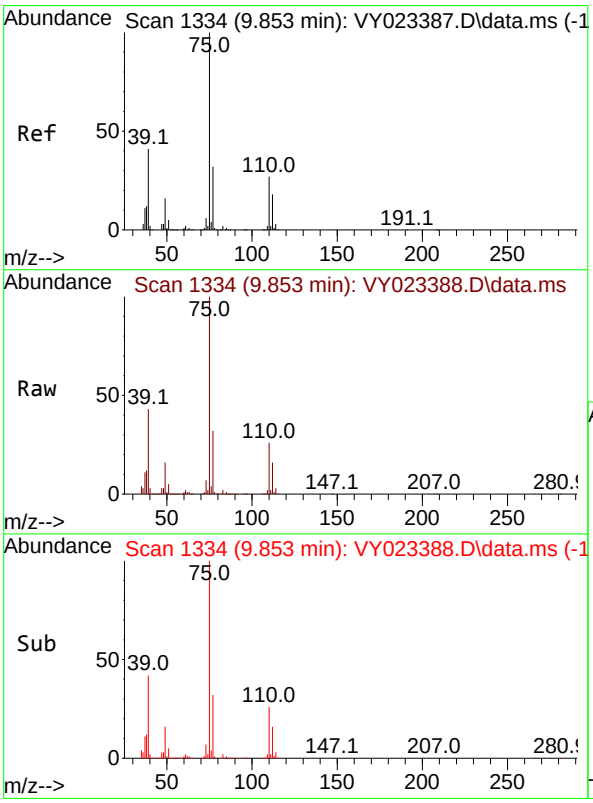
Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

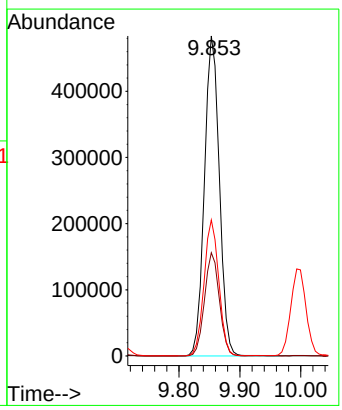
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

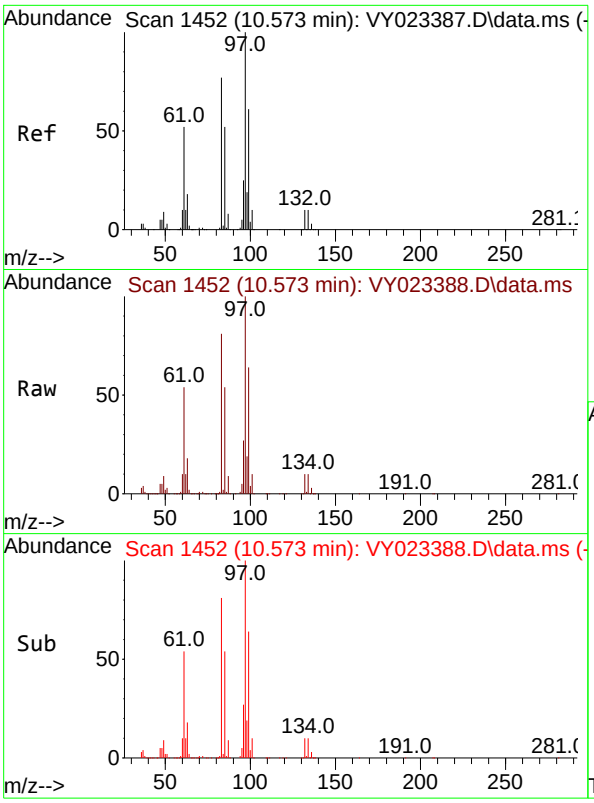


#54
cis-1,3-Dichloropropene
Concen: 101.302 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

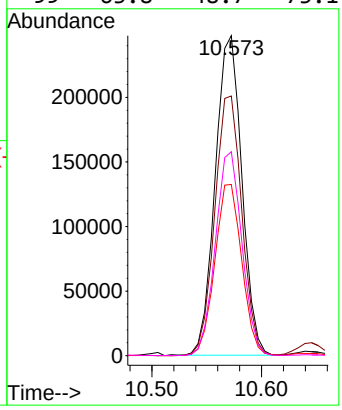




#55
1,1,2-Trichloroethane
Concen: 99.875 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 97 Resp: 41762

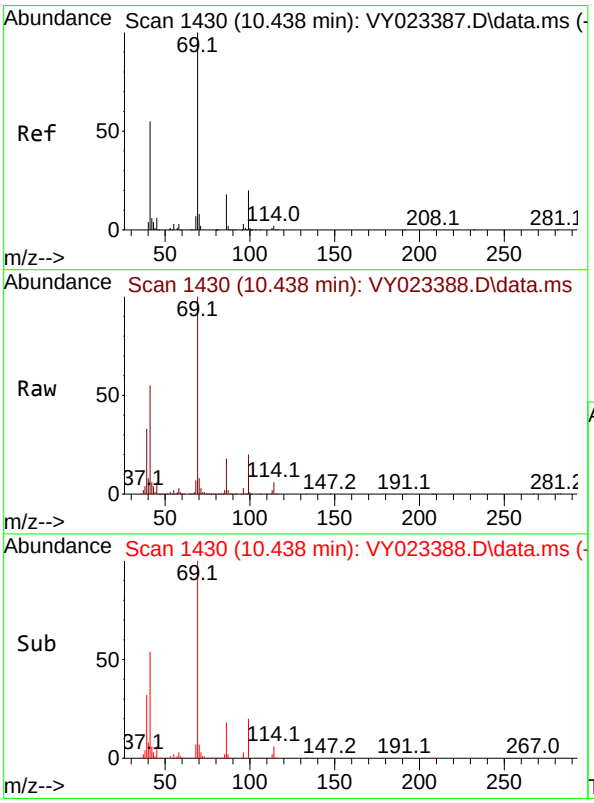
Ion	Ratio	Lower	Upper
97	100		
83	81.3	61.8	92.6
85	53.6	41.3	61.9
99	63.8	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

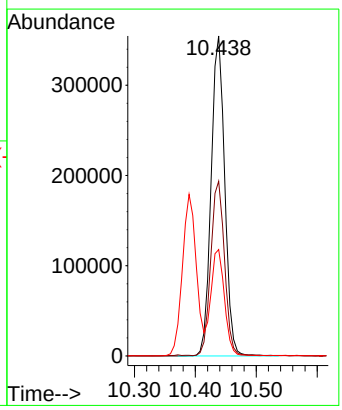
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

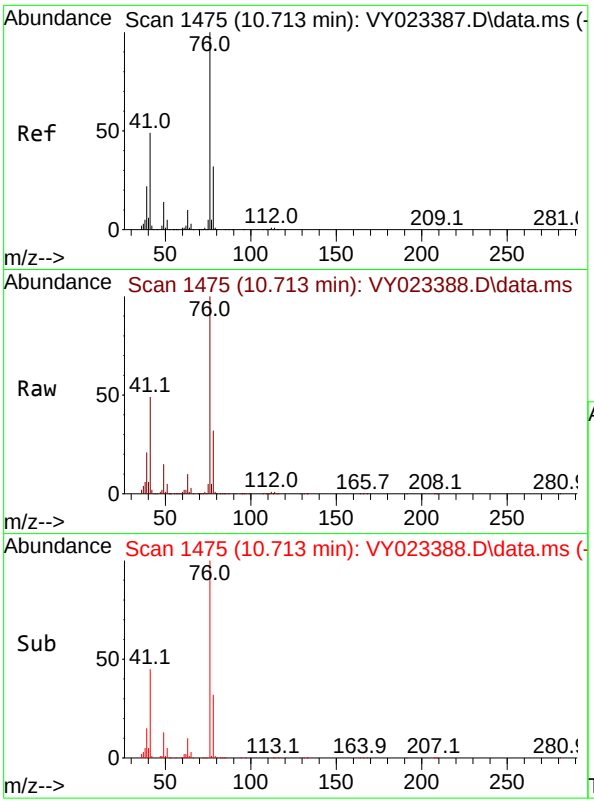


#56
Ethyl methacrylate
Concen: 114.077 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

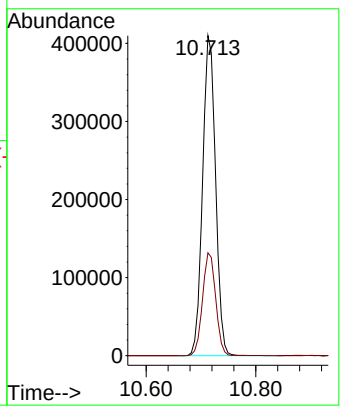




#57
1,3-Dichloropropane
Concen: 99.140 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 76 Resp: 67096

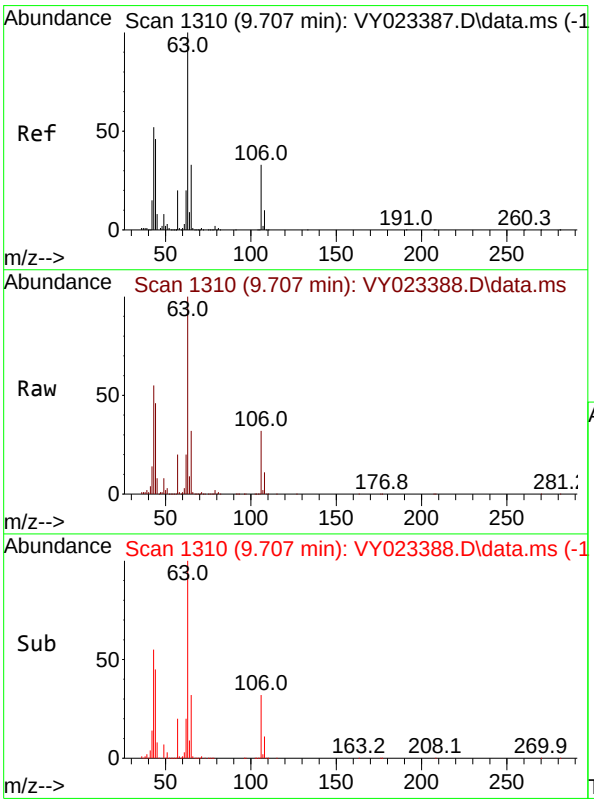
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

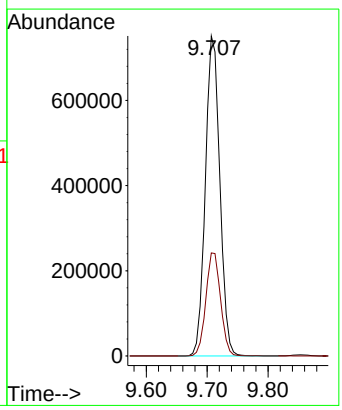
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

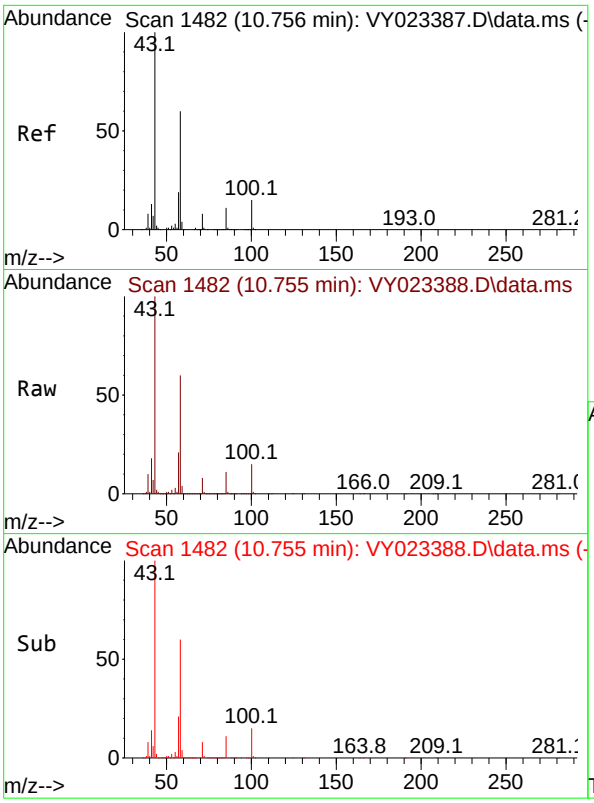


#58
2-Chloroethyl Vinyl ether
Concen: 588.731 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 63 Resp: 1240361

Ion	Ratio	Lower	Upper
63	100		
106	32.8	26.6	39.8

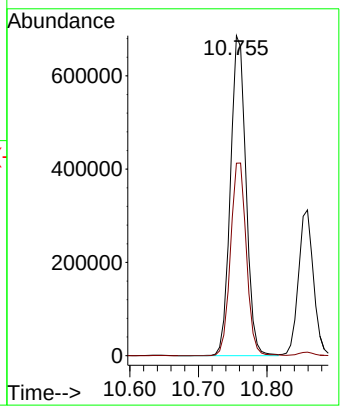




#59
2-Hexanone
Concen: 541.284 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 43 Resp: 108156

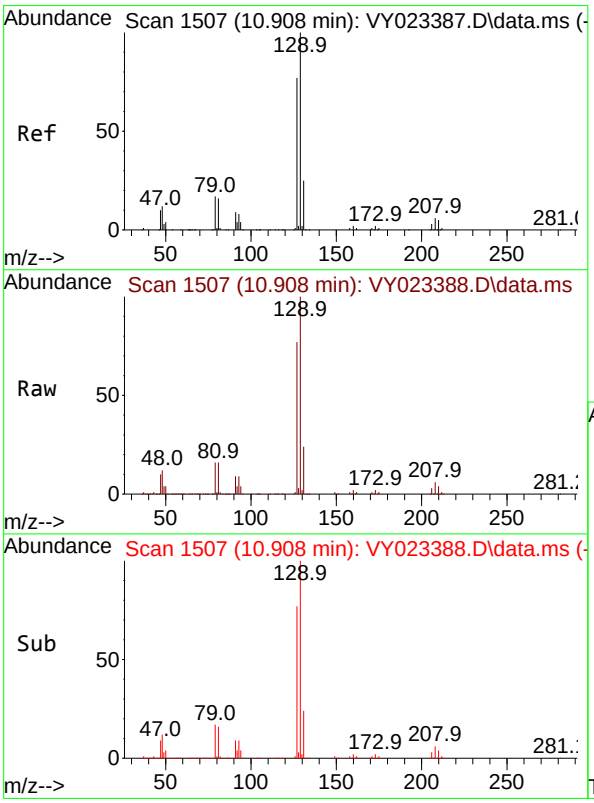
Ion	Ratio	Lower	Upper
43	100		
58	61.5	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

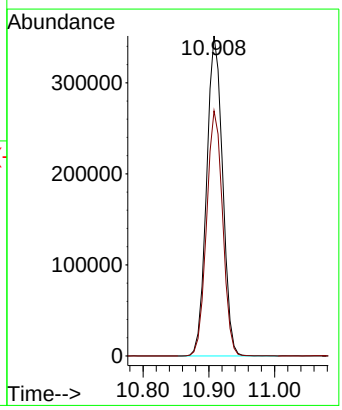
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

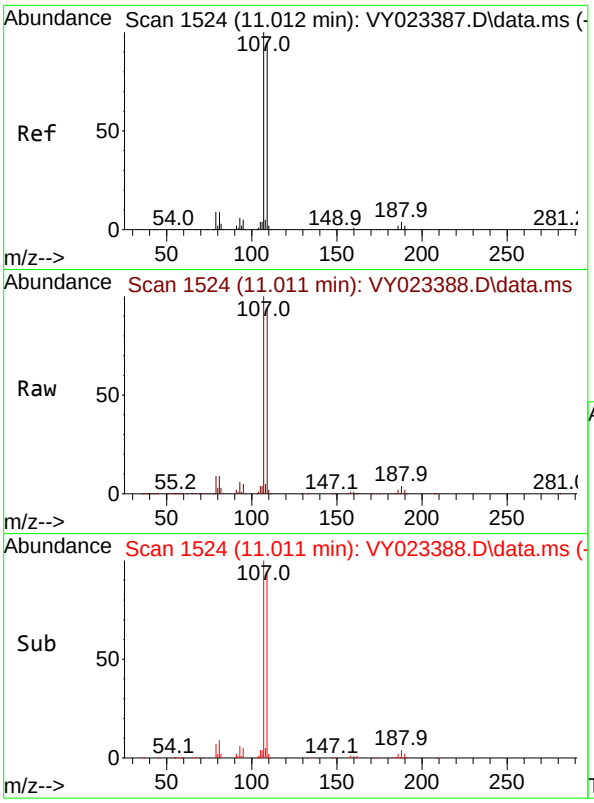


#60
Dibromochloromethane
Concen: 104.133 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:129 Resp: 593878

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.7

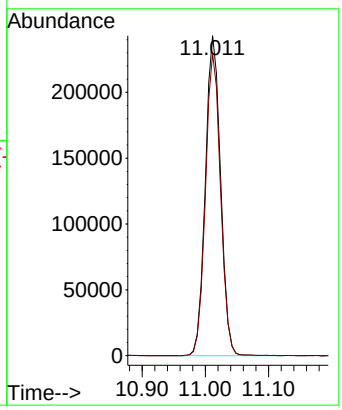




#61
1,2-Dibromoethane
Concen: 103.280 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:107 Resp: 40629

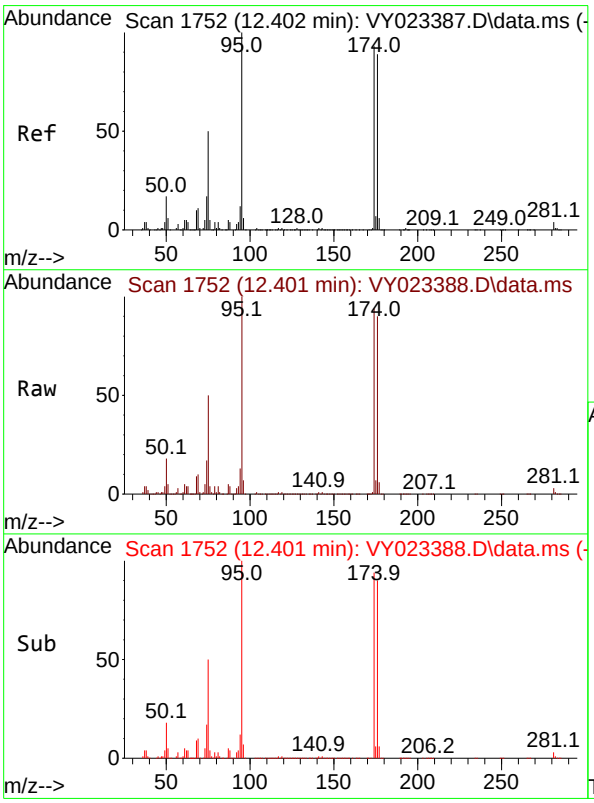
Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

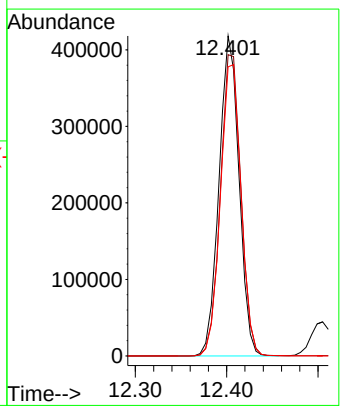
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

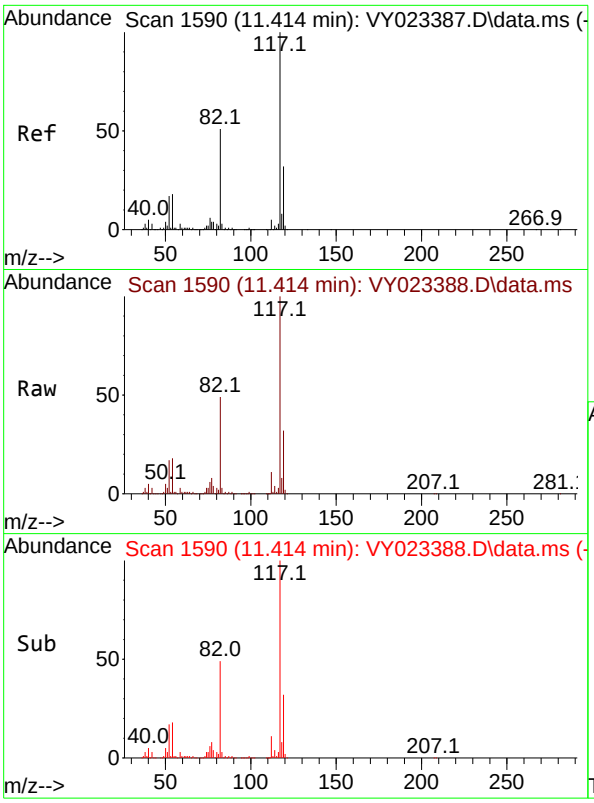


#62
4-Bromofluorobenzene
Concen: 103.007 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

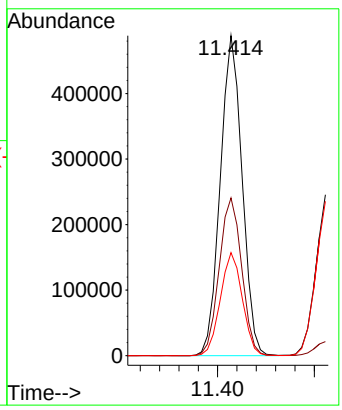




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:117 Resp: 76436

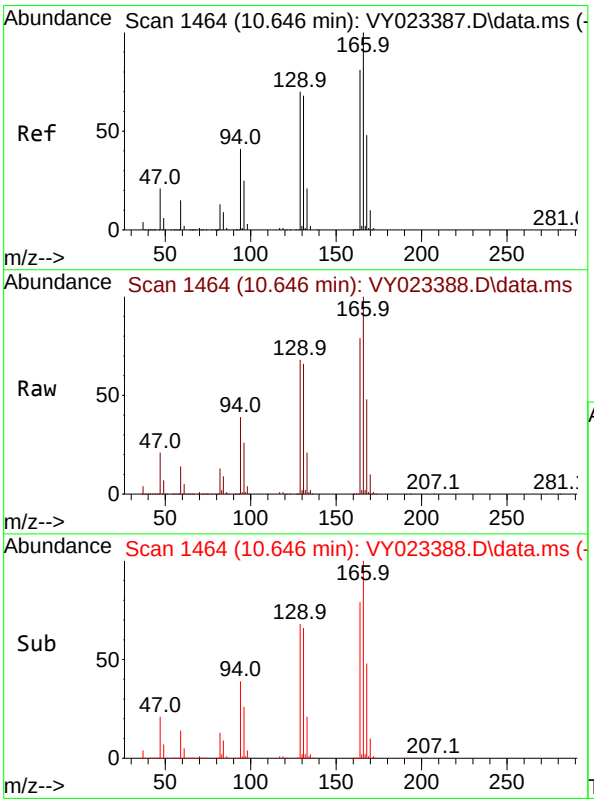
Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.0	61.4
119	32.2	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

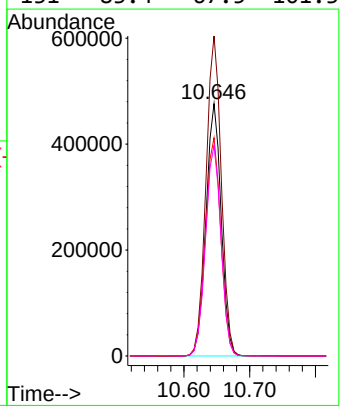
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

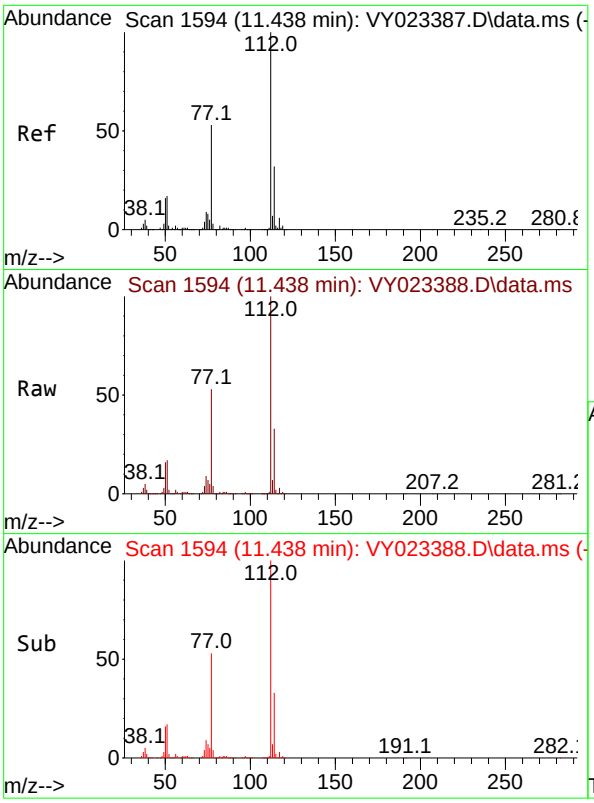


#64
Tetrachloroethene
Concen: 100.406 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

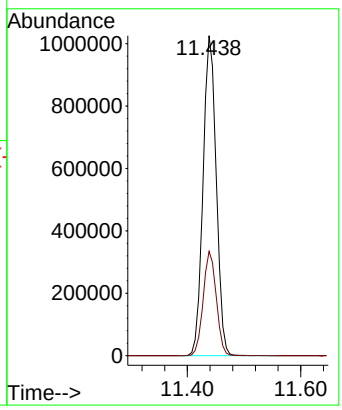




#65
Chlorobenzene
Concen: 99.649 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:112 Resp: 165514

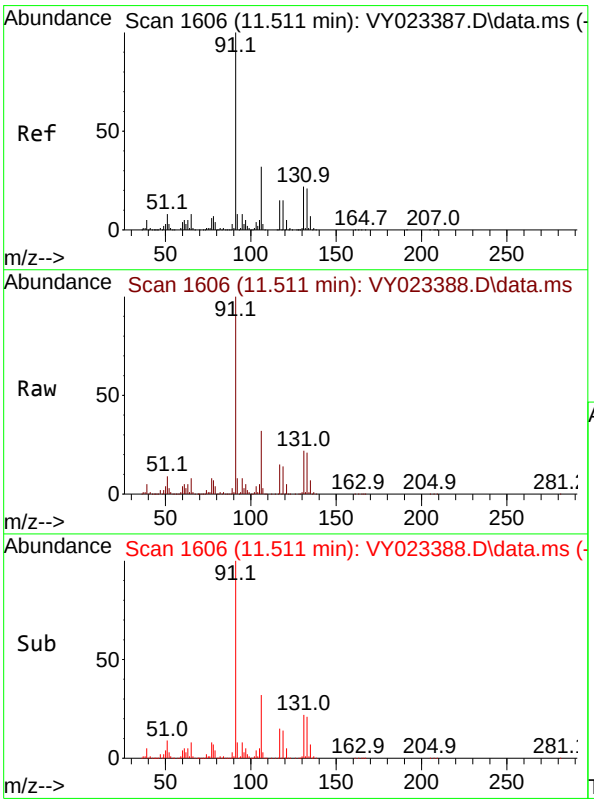
Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

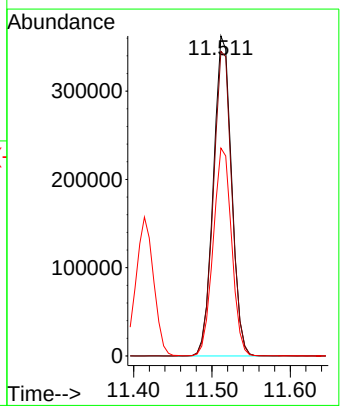
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

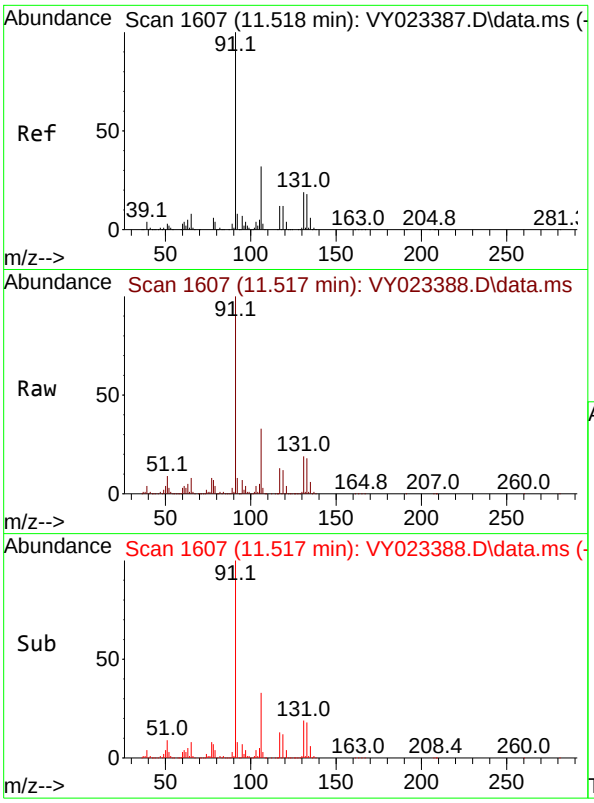


#66
1,1,1,2-Tetrachloroethane
Concen: 100.470 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

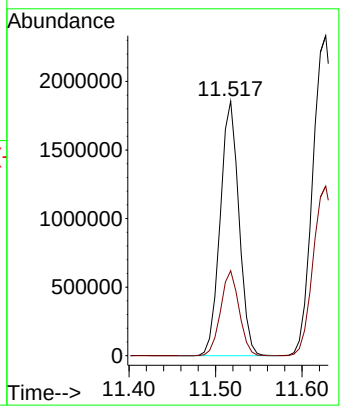




#67
Ethyl Benzene
Concen: 102.856 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 278825

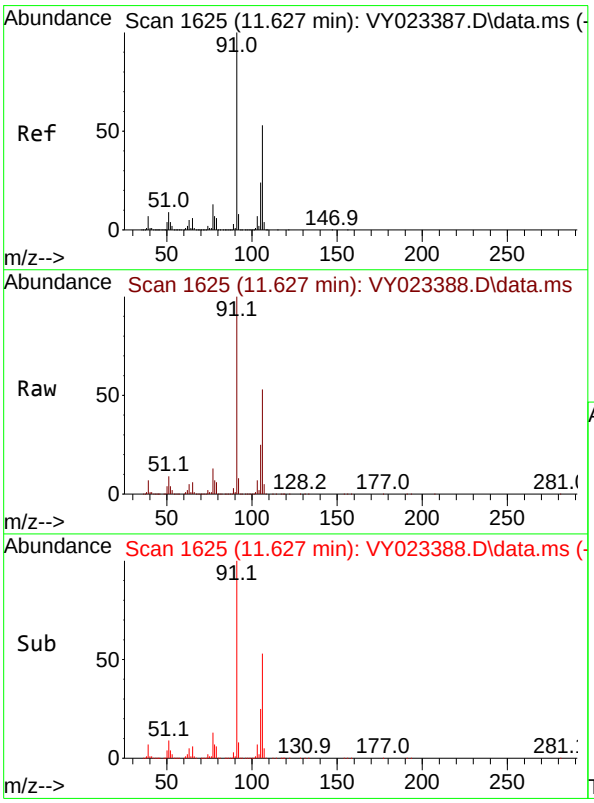
Ion	Ratio	Lower	Upper
91	100		
106	33.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

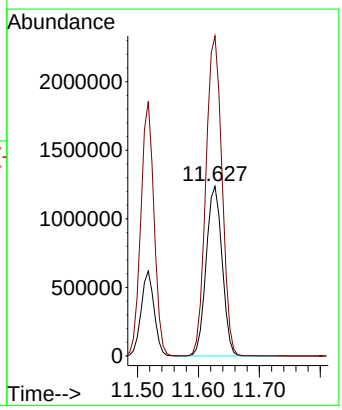
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

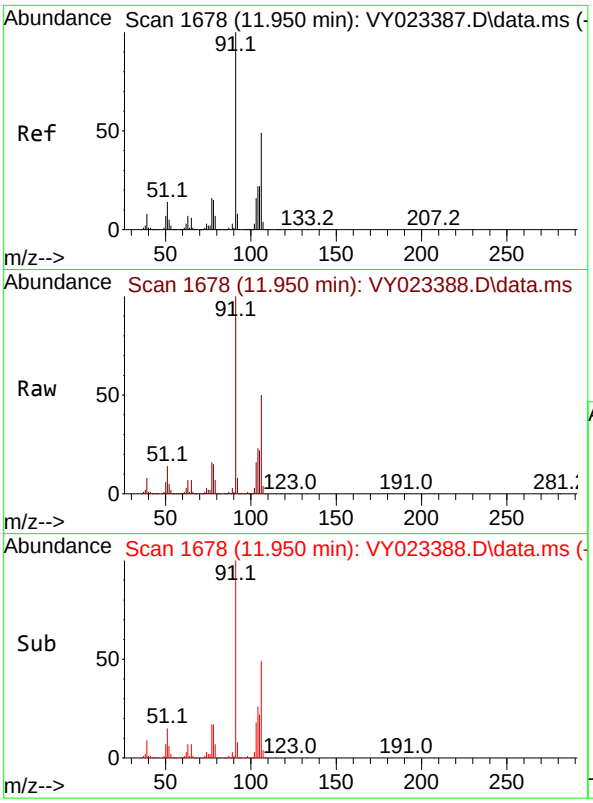


#68
m/p-Xylenes
Concen: 206.437 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:106 Resp: 2243033

Ion	Ratio	Lower	Upper
106	100		
91	190.5	152.6	229.0

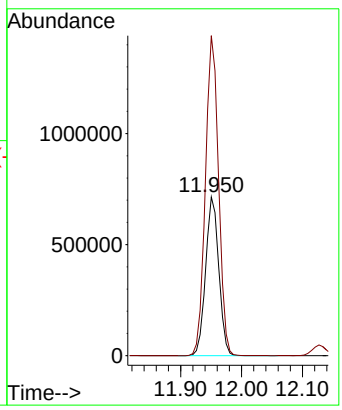




#69
o-Xylene
Concen: 106.611 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:106 Resp: 107233

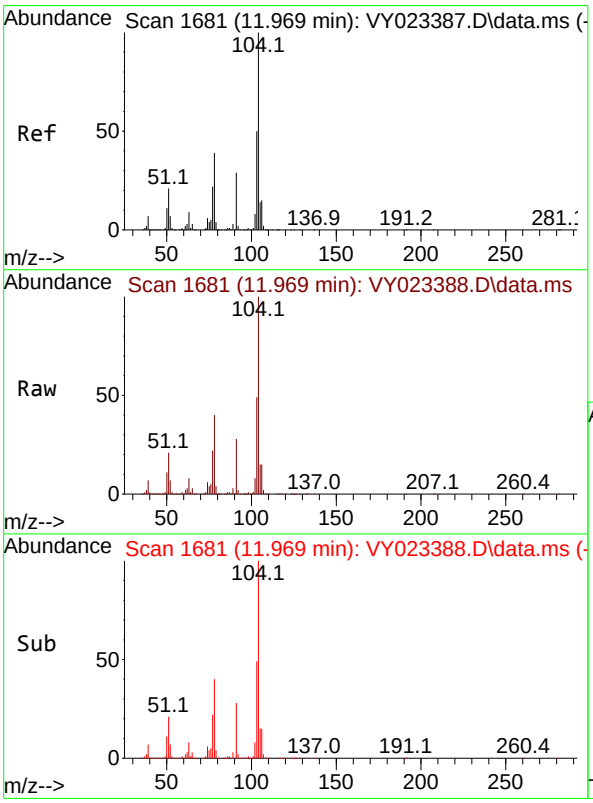
Ion	Ratio	Lower	Upper
106	100		
91	201.8	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

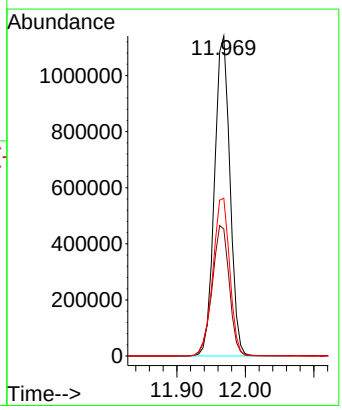
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

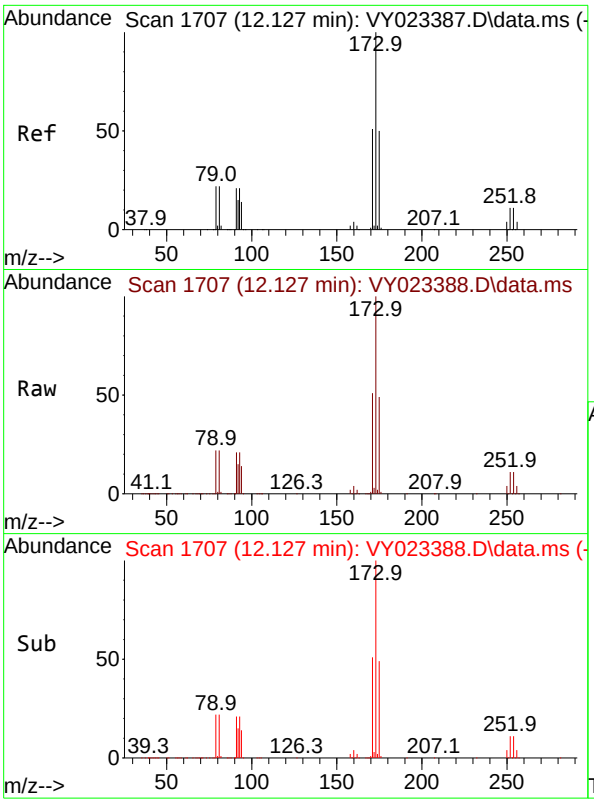


#70
Styrene
Concen: 107.344 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

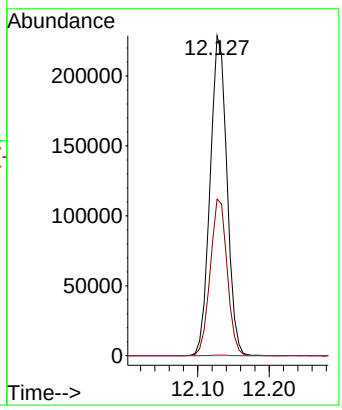




#71
Bromoform
Concen: 106.727 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:173 Resp: 37320

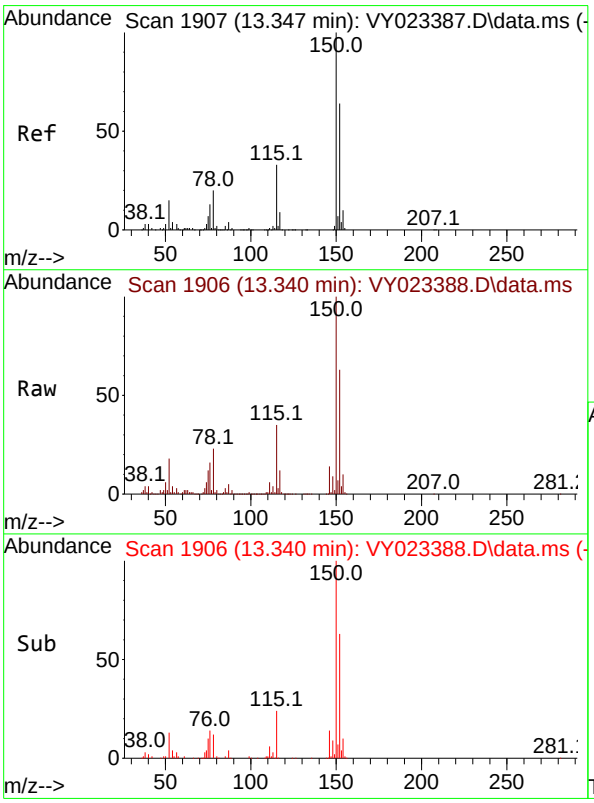
Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

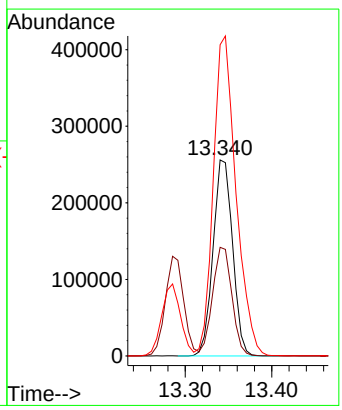
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

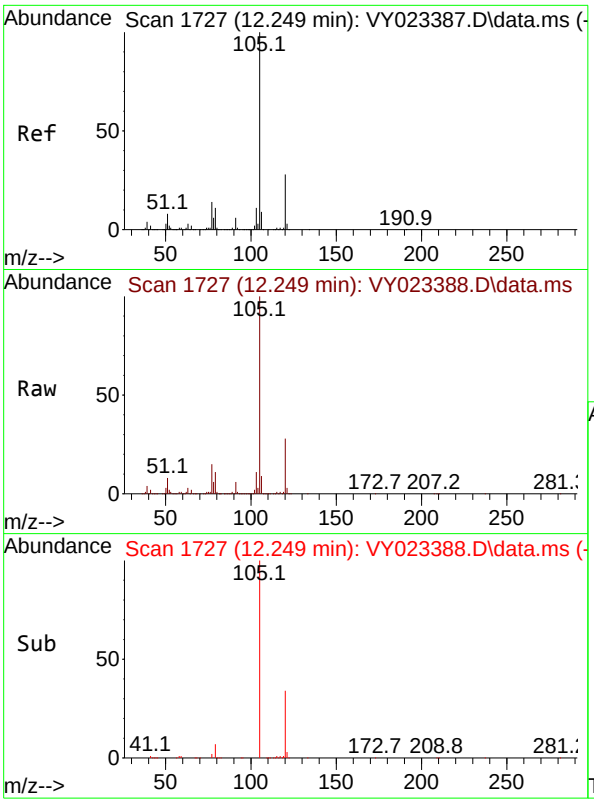


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

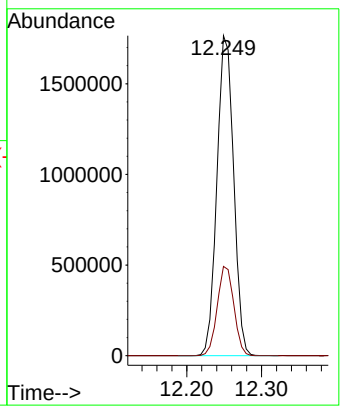




#73
Isopropylbenzene
Concen: 102.825 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:105 Resp: 274169

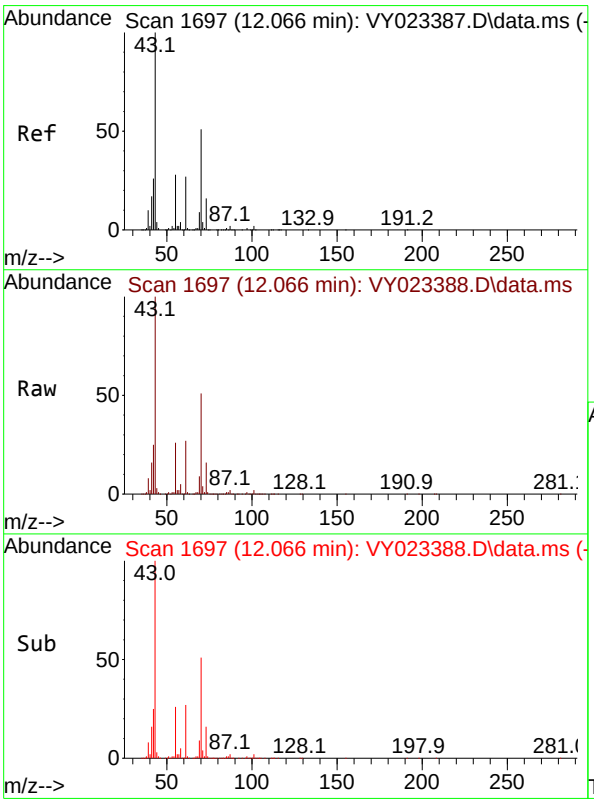
Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

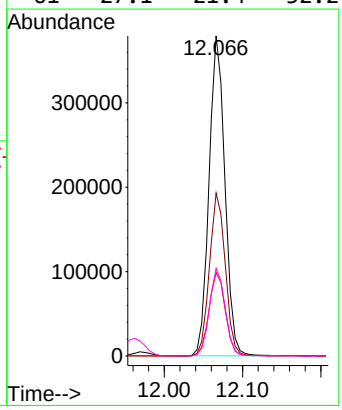
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

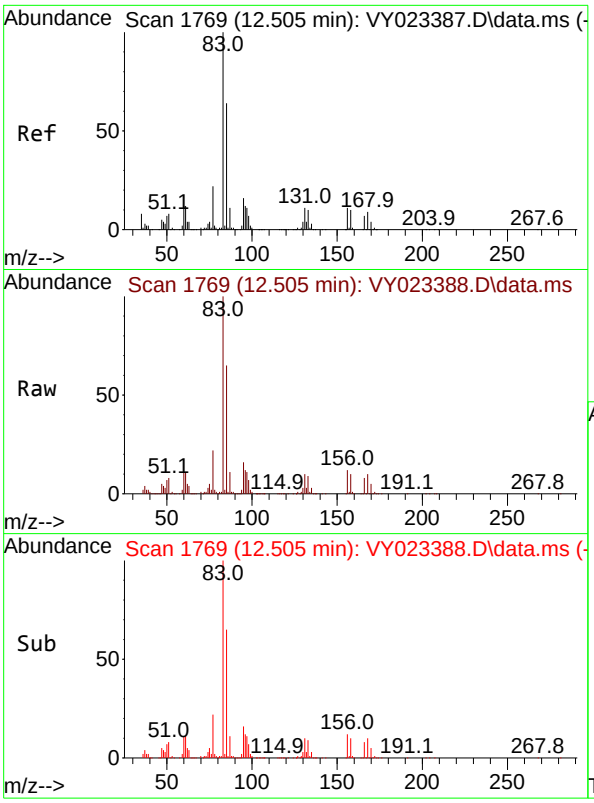


#74
N-amyl acetate
Concen: 106.818 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

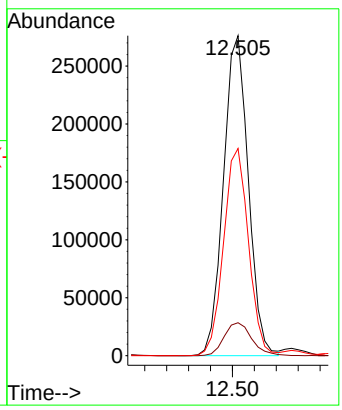
Tgt Ion: 83 Resp: 43472

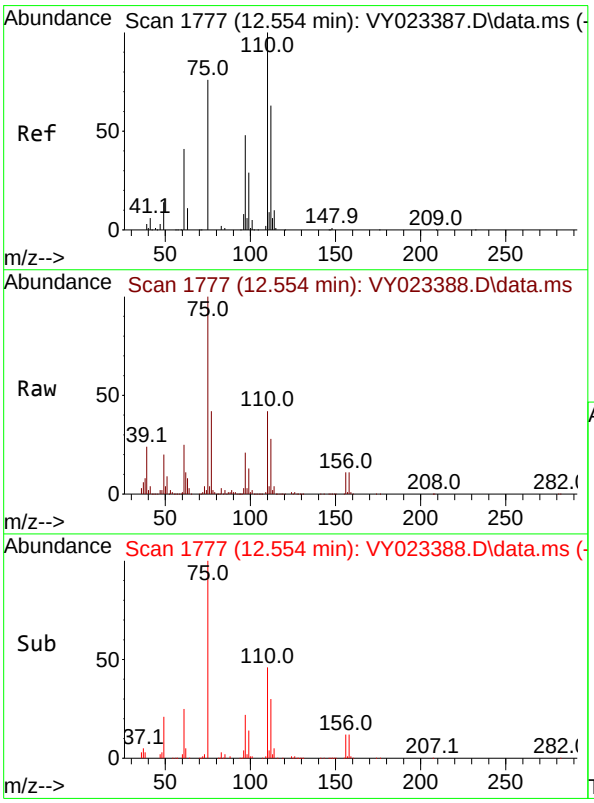
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.9	17.6
85	64.9	31.8	95.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

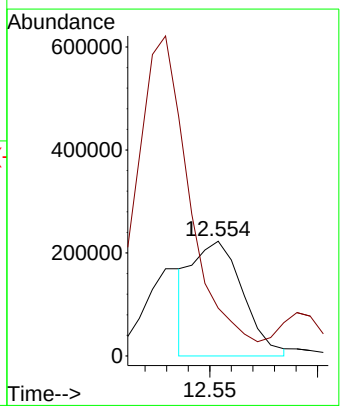


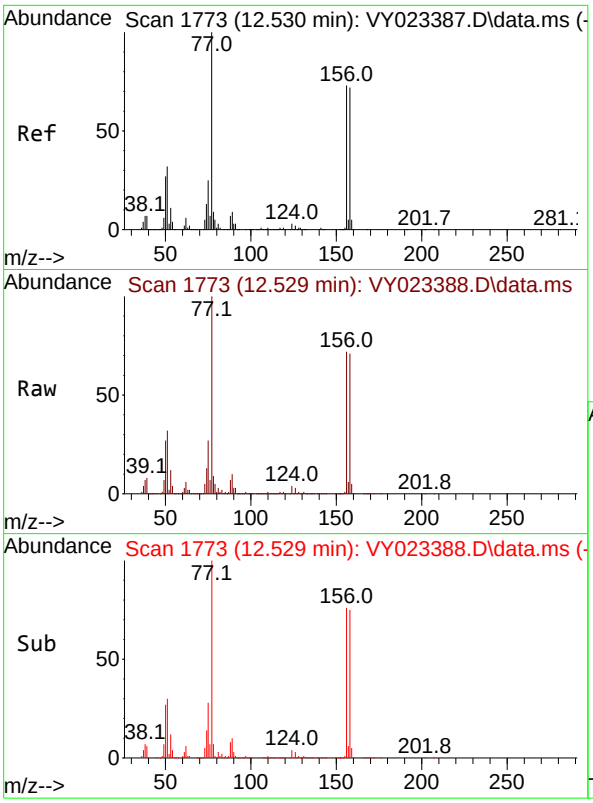


#76
1,2,3-Trichloropropane
Concen: 92.345 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 75 Resp: 364622

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

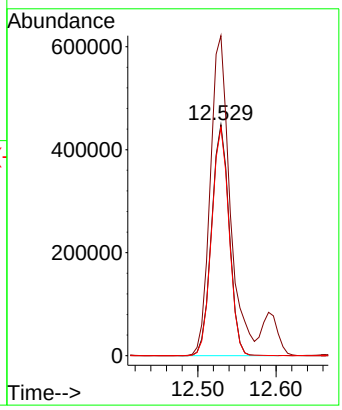




#77
Bromobenzene
Concen: 102.545 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:156 Resp: 70174

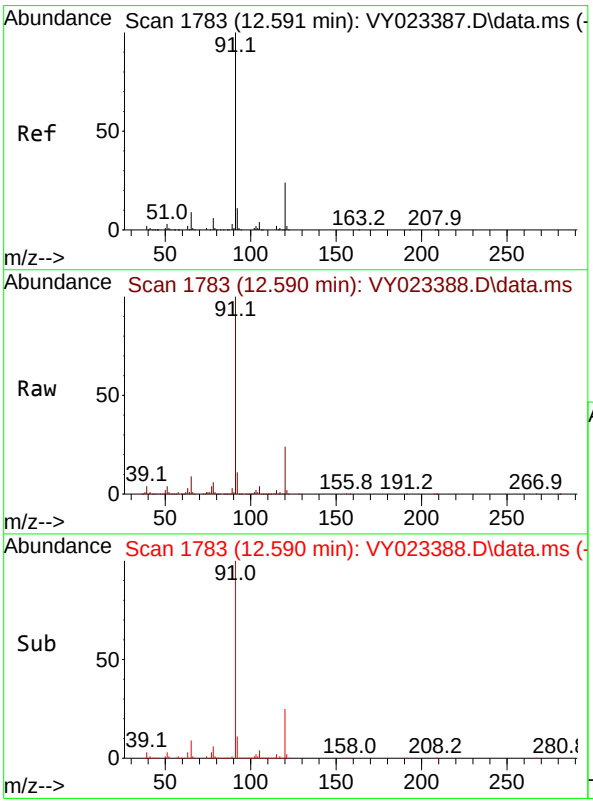
Ion	Ratio	Lower	Upper
156	100		
77	154.5	76.8	230.5
158	98.1	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

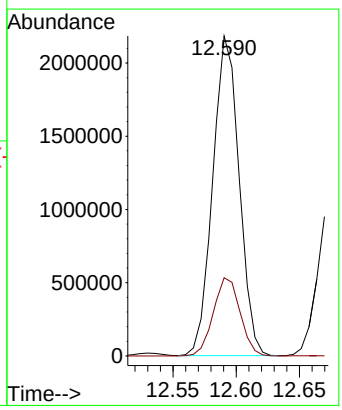
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

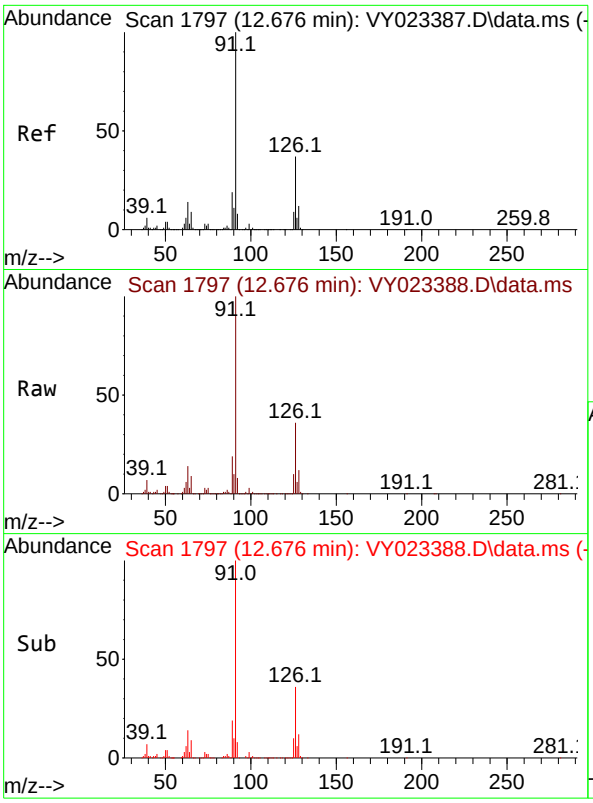


#78
n-propylbenzene
Concen: 100.958 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 3165894

Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.8

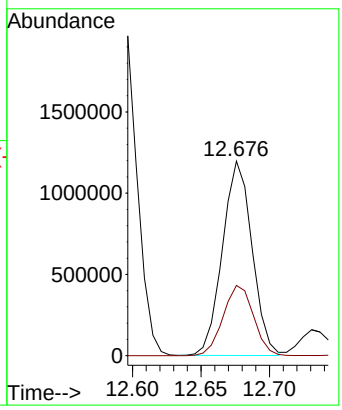




#79
2-Chlorotoluene
Concen: 99.426 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 180012

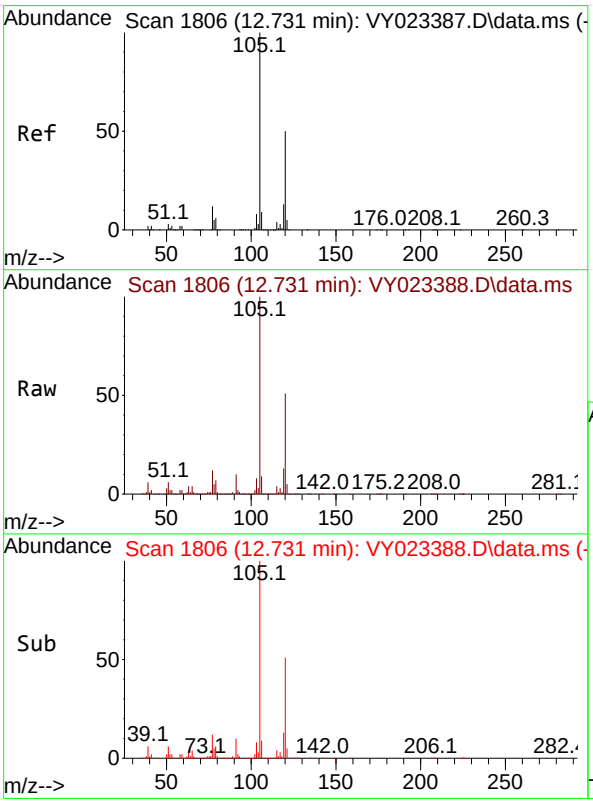
Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

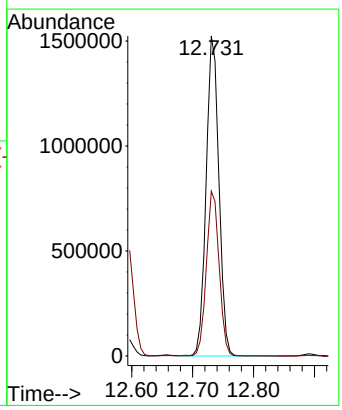
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

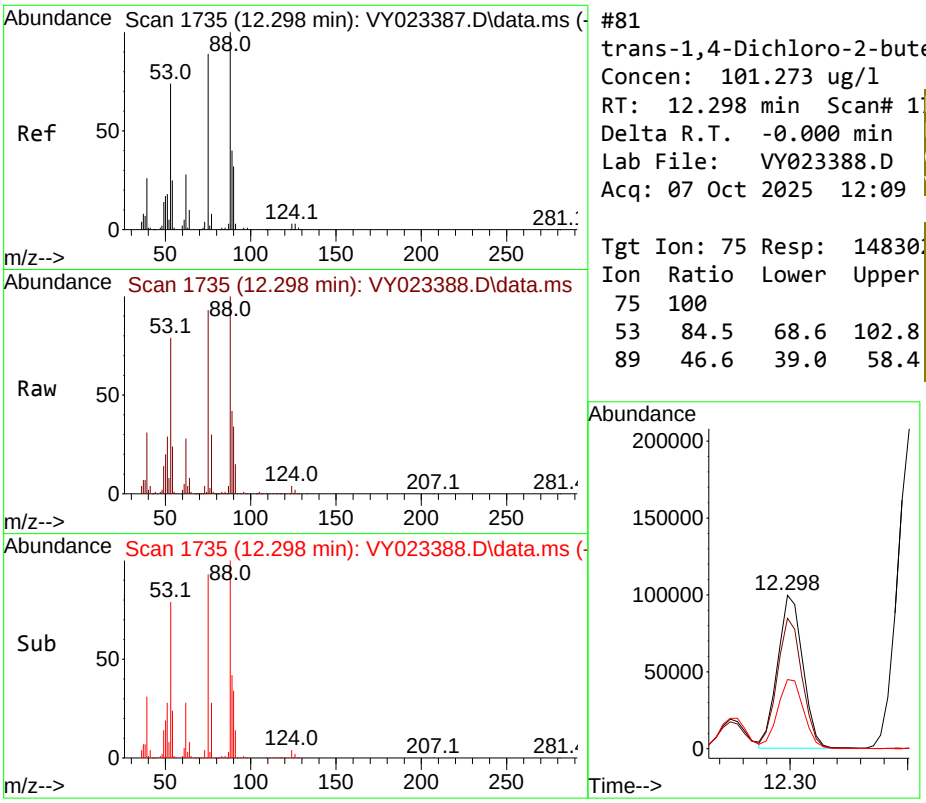


#80
1,3,5-Trimethylbenzene
Concen: 102.374 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

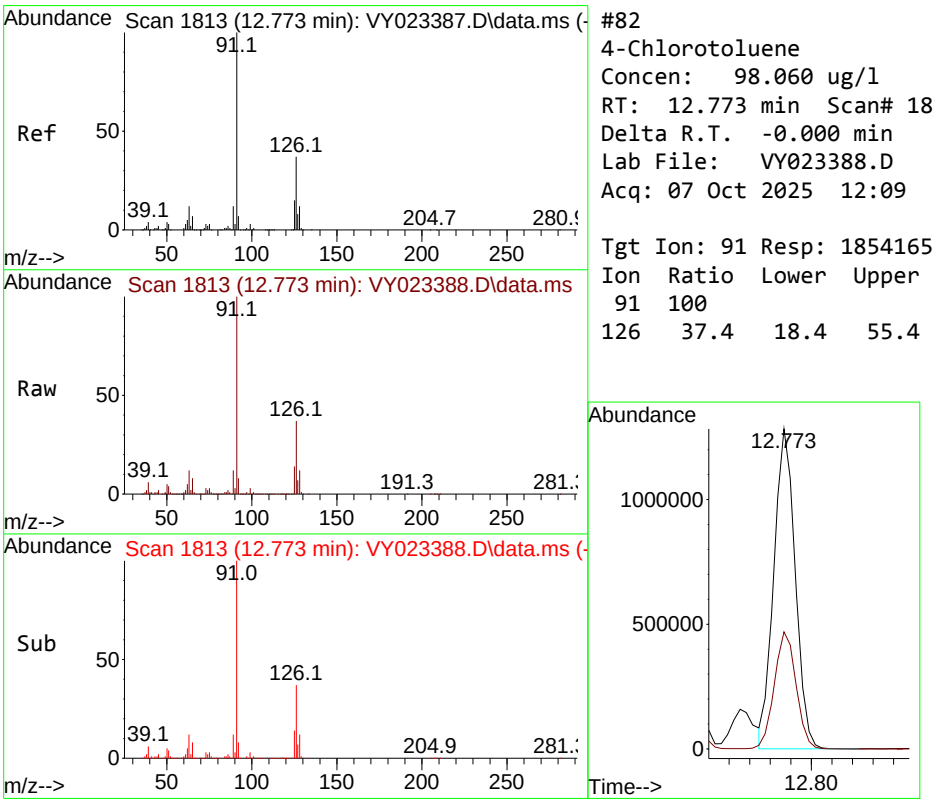
Tgt Ion: 75 Resp: 14830

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

Manual Integrations
APPROVED

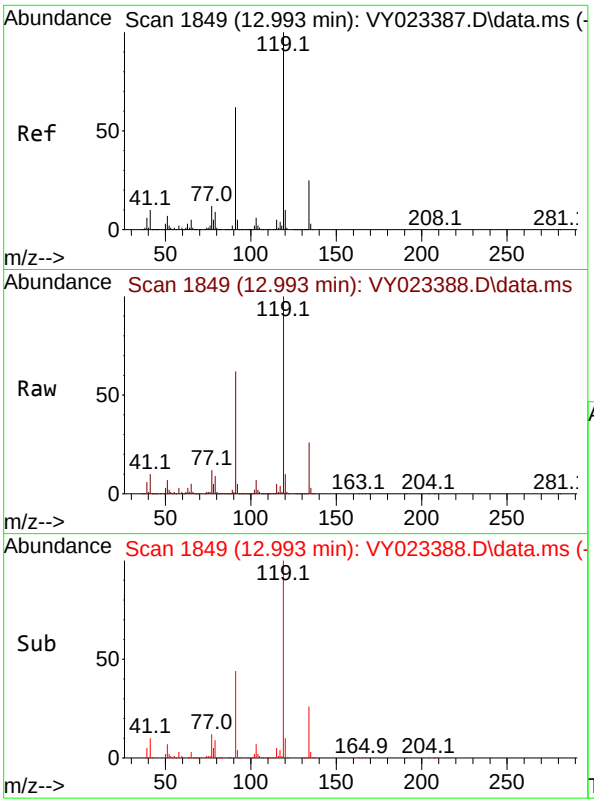
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

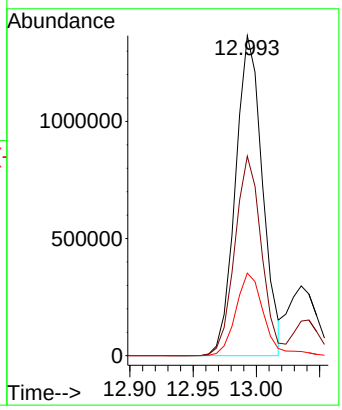
Ion	Ratio	Lower	Upper
91	100		
126	37.4	18.4	55.4



#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

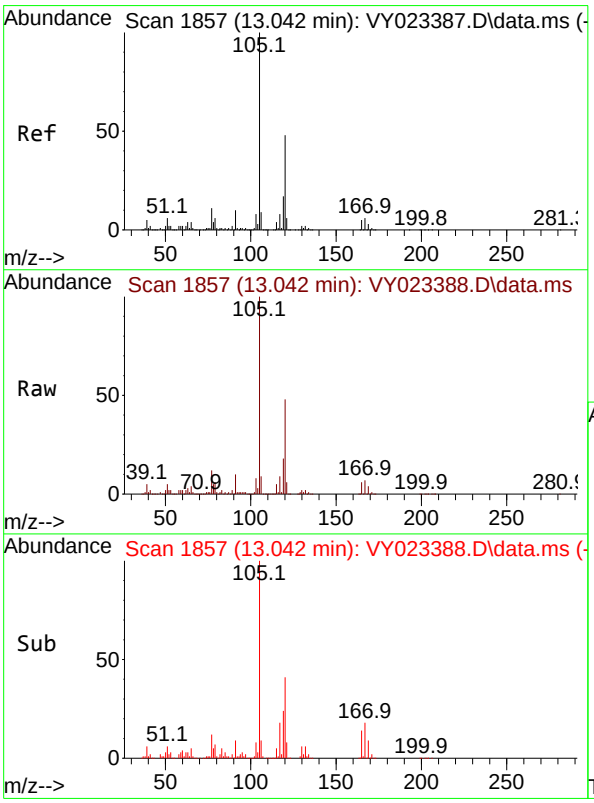
Ion	Ratio	Lower	Upper
119	100		
91	61.9	29.9	89.8
134	26.9	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

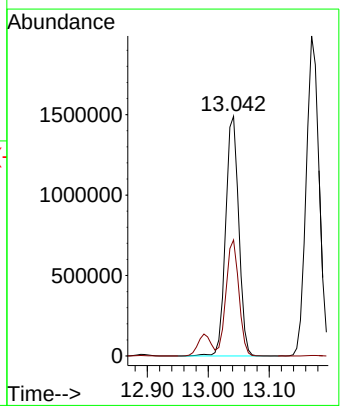
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

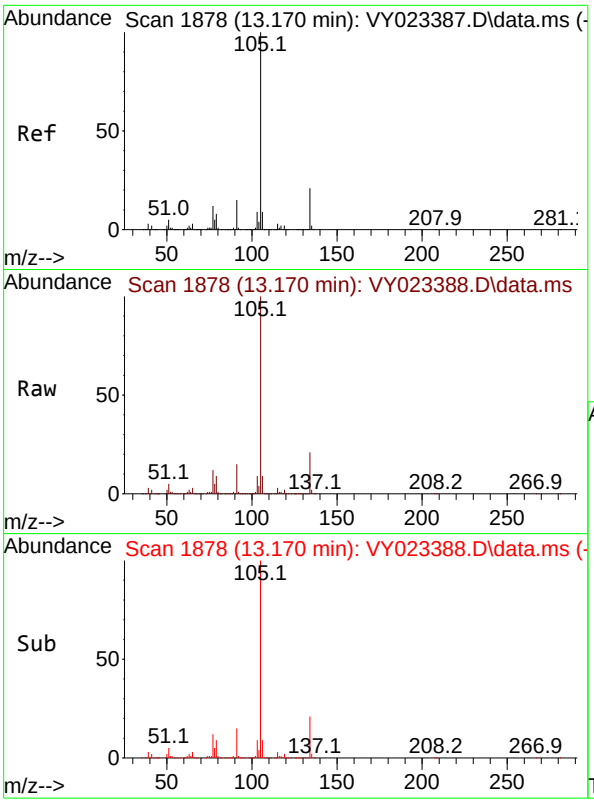


#84
1,2,4-Trimethylbenzene
Concen: 103.853 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:105 Resp: 2227197

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.2

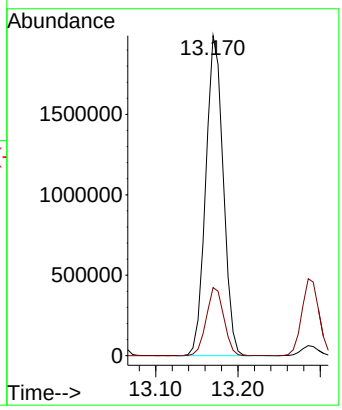




#85
sec-Butylbenzene
Concen: 102.530 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:105 Resp: 293294

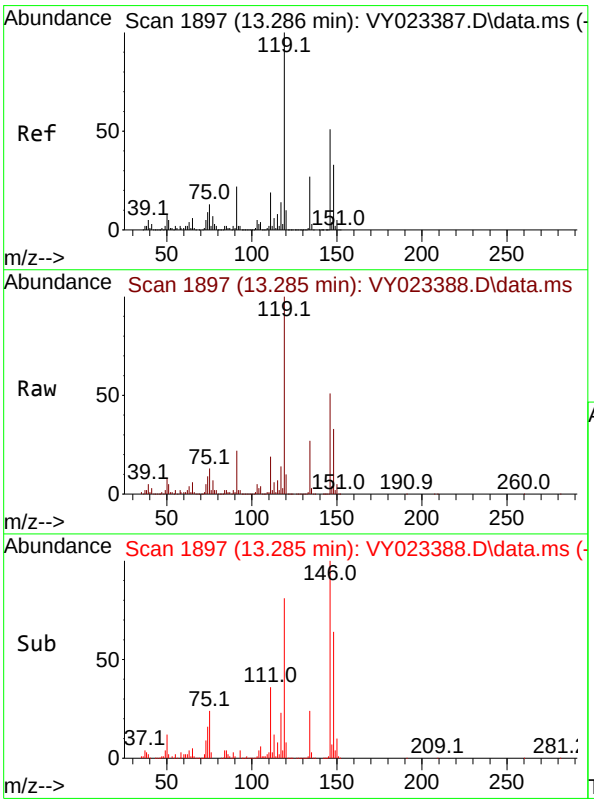
Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

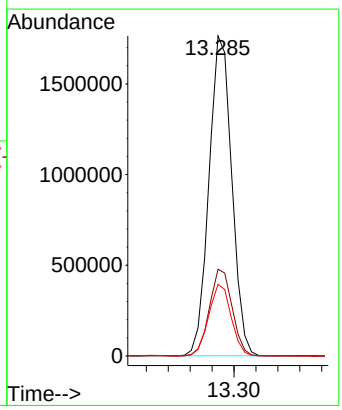
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

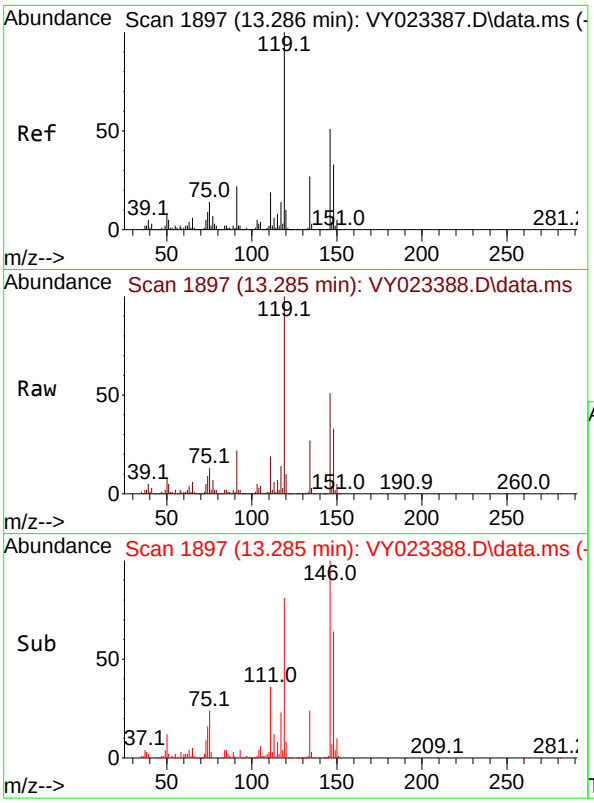


#86
p-Isopropyltoluene
Concen: 105.408 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

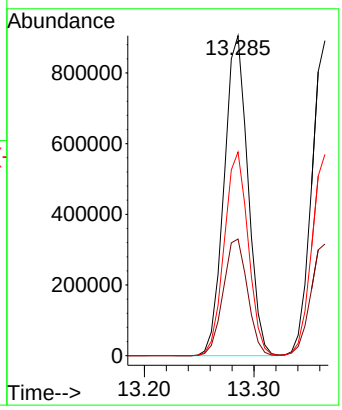




#87
1,3-Dichlorobenzene
Concen: 100.735 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:146 Resp: 136171

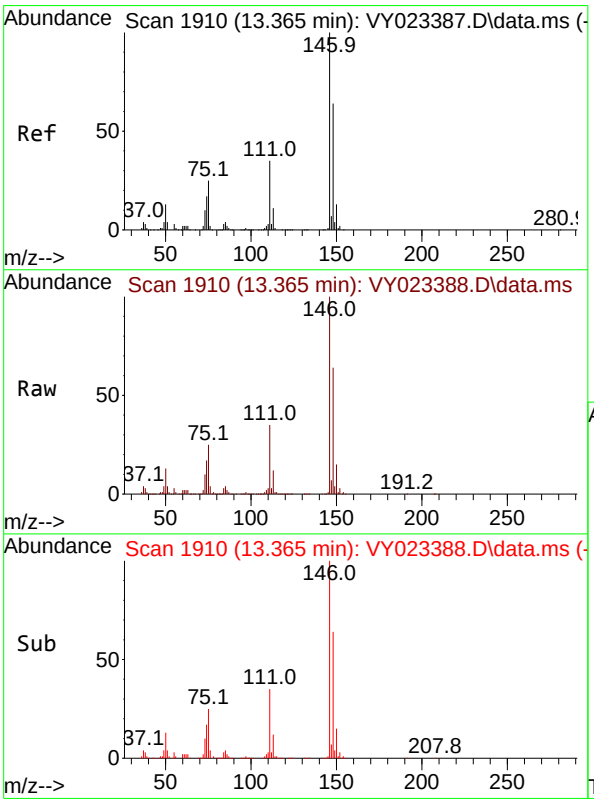
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.1	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

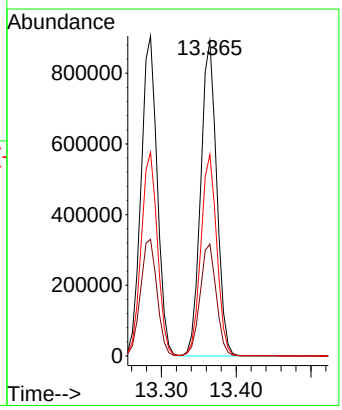
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

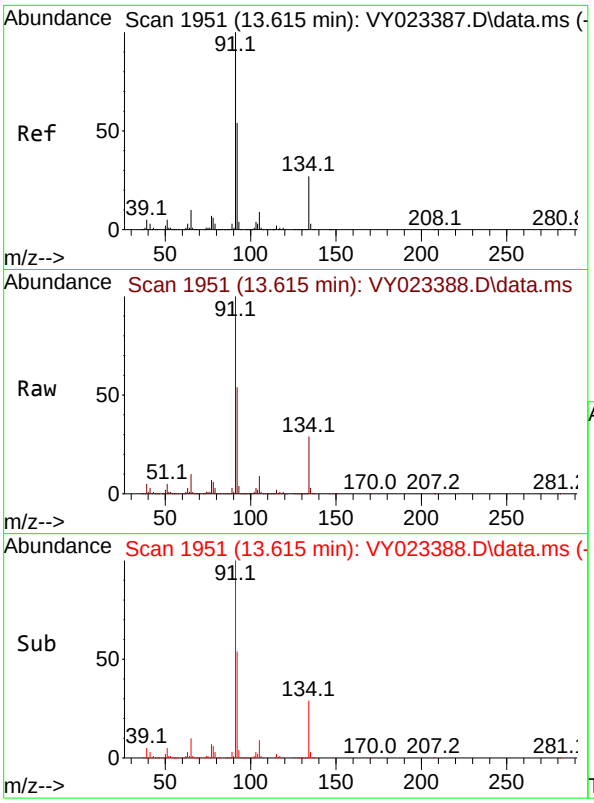


#88
1,4-Dichlorobenzene
Concen: 98.734 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

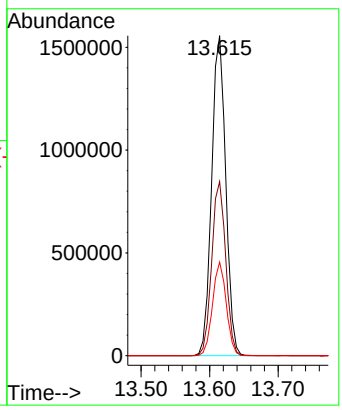




#89
n-Butylbenzene
Concen: 104.174 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion: 91 Resp: 222374

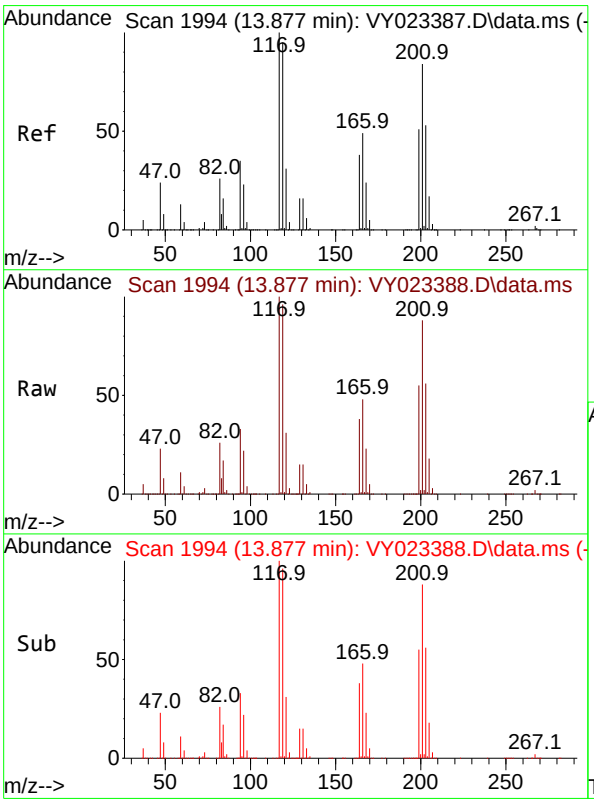
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.0	80.8
134	28.6	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

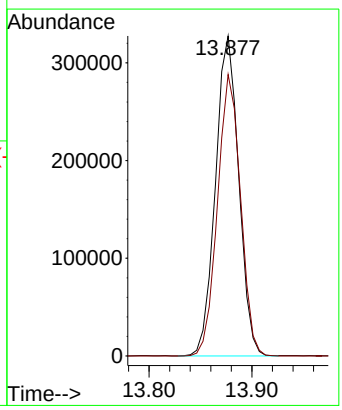
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

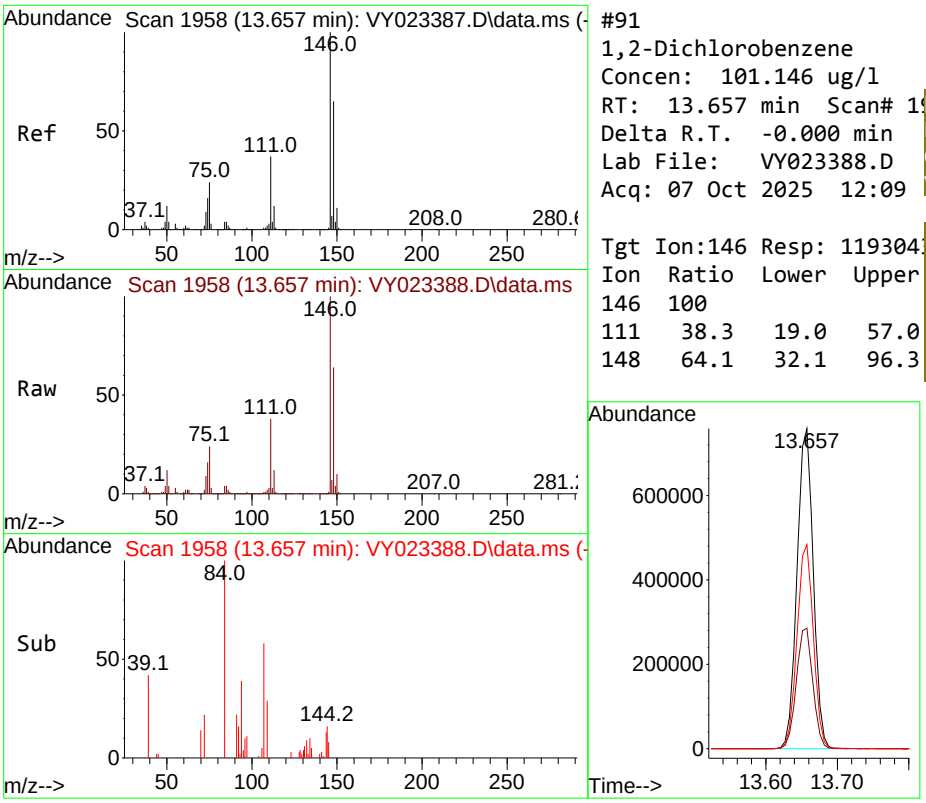


#90
Hexachloroethane
Concen: 98.069 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

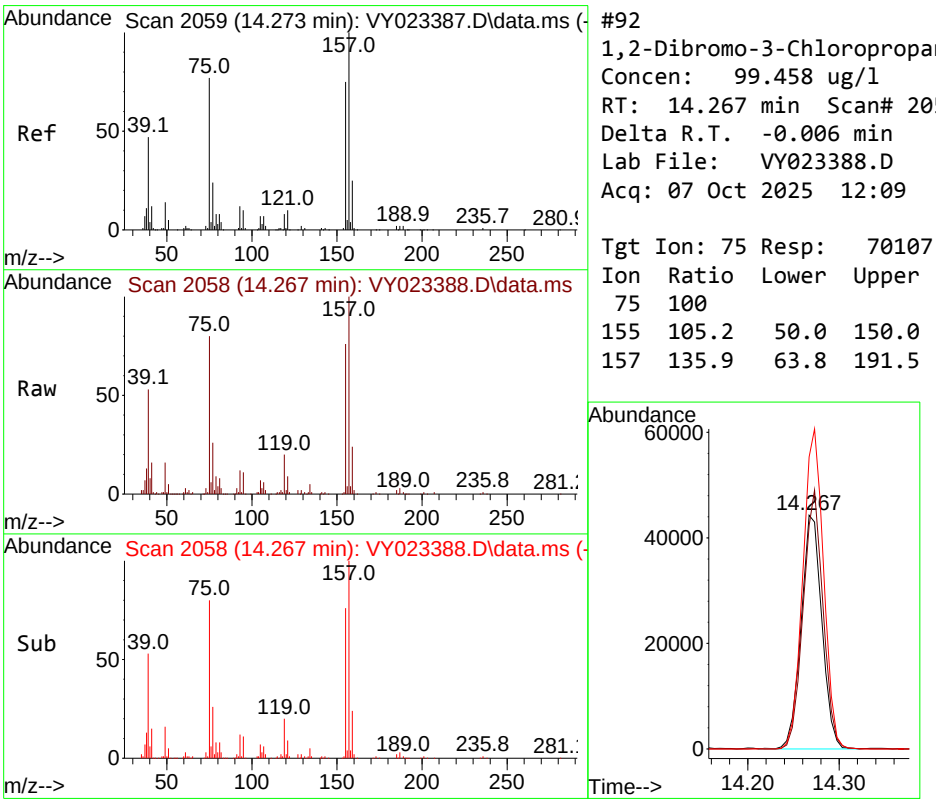
Tgt Ion:146 Resp: 119304

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

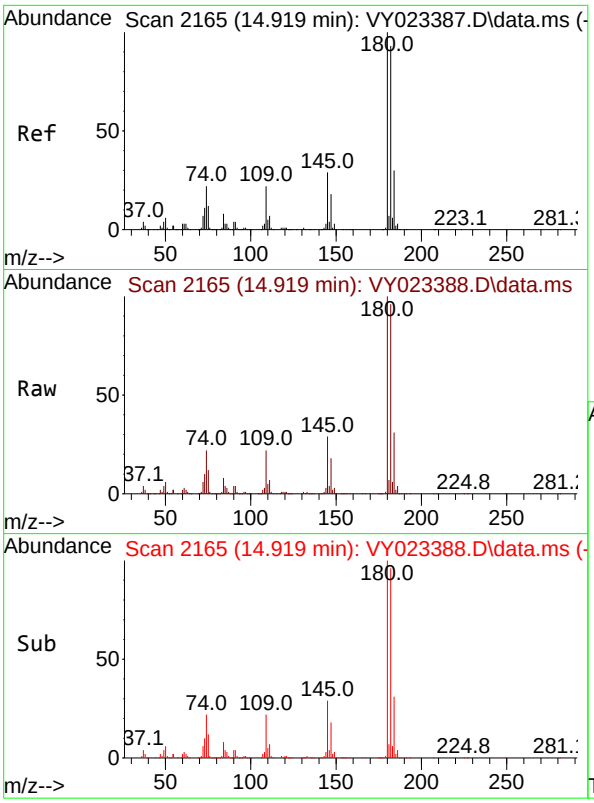
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

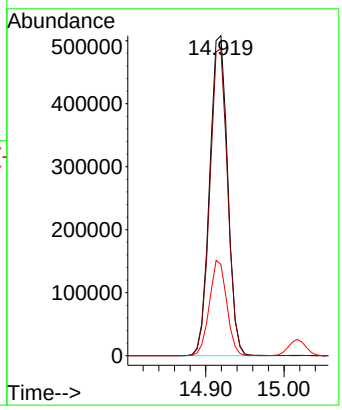
Ion	Ratio	Lower	Upper
75	100		
155	105.2	50.0	150.0
157	135.9	63.8	191.5



#93
1,2,4-Trichlorobenzene
Concen: 116.031 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:180 Resp: 80632

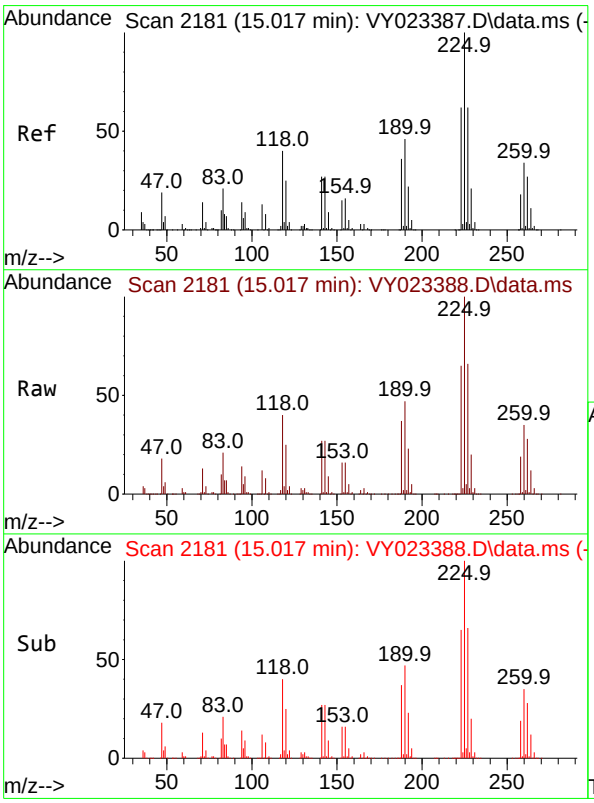
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	28.7	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

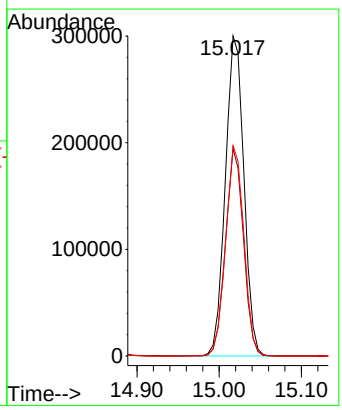
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

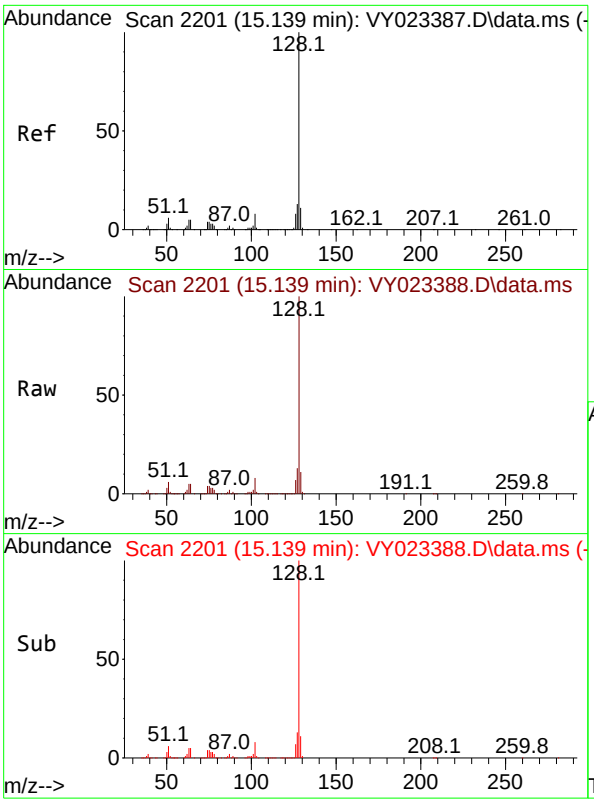


#94
Hexachlorobutadiene
Concen: 108.557 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

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

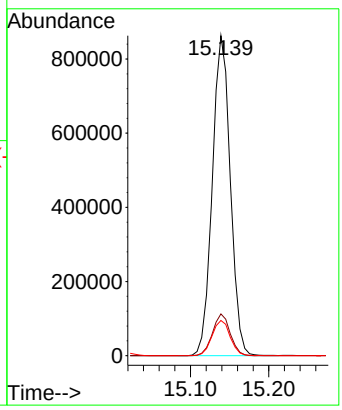




#95
Naphthalene
Concen: 124.485 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023388.D
Acq: 07 Oct 2025 12:09

Tgt Ion:128 Resp: 137829

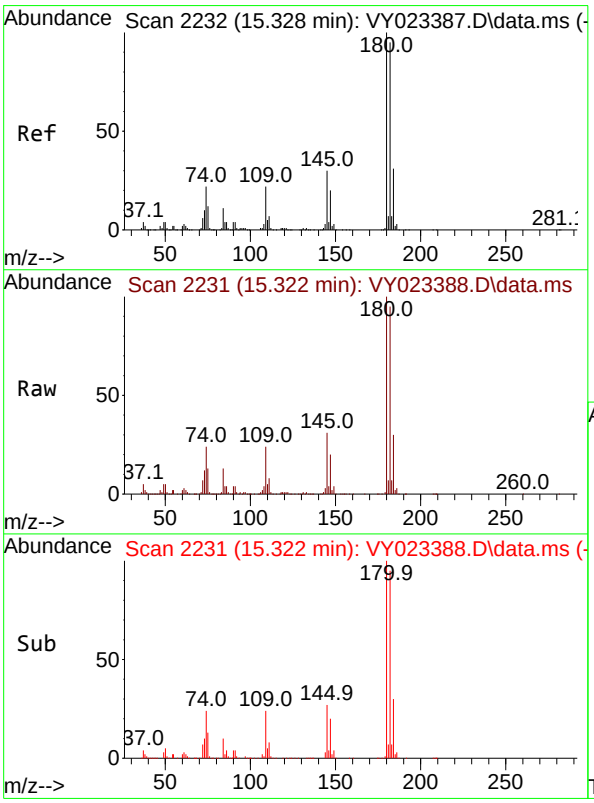
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

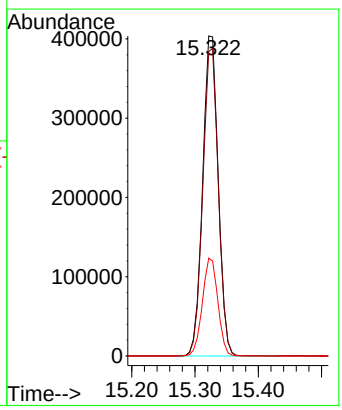
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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



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

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

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

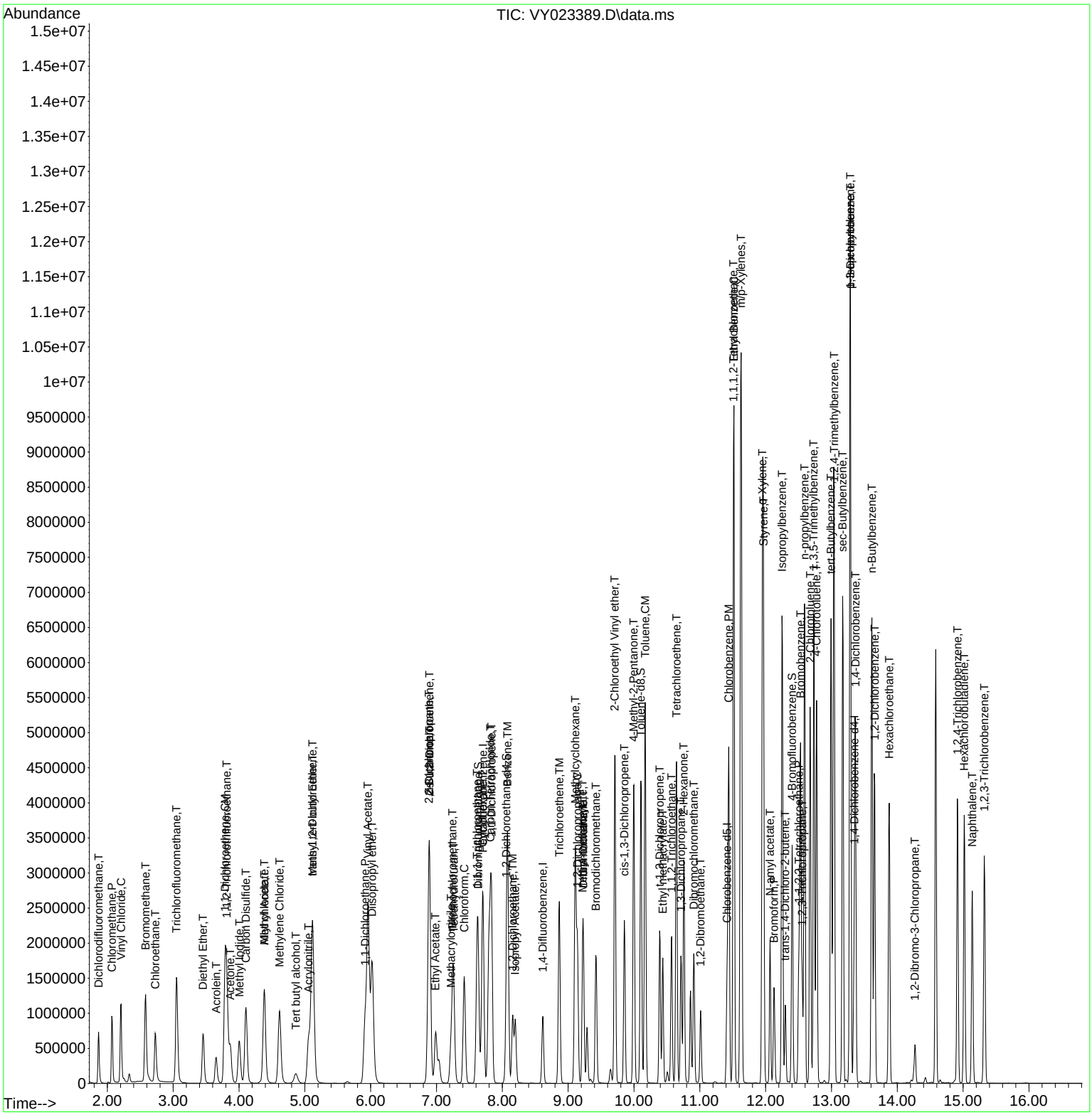
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023389.D
Acq On : 07 Oct 2025 12:32
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

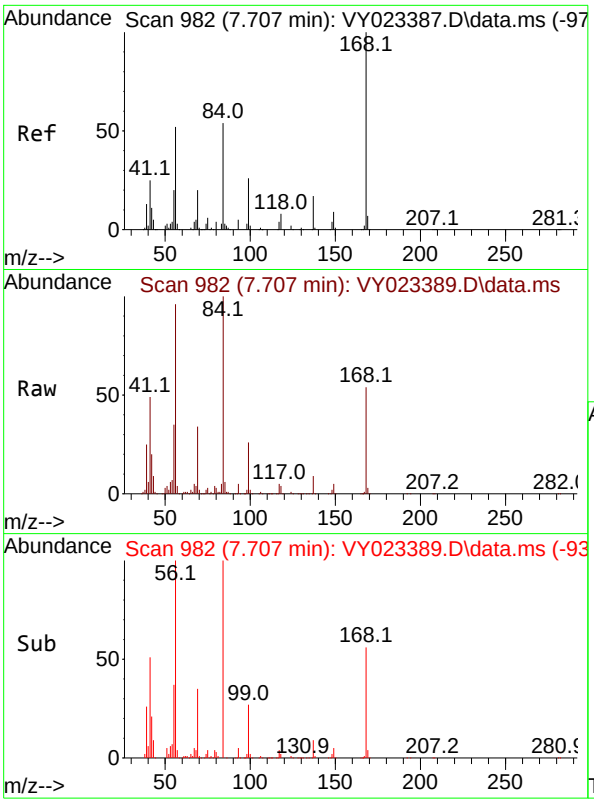
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

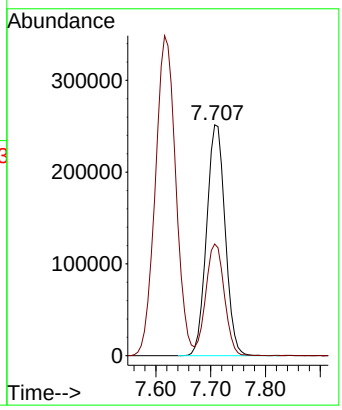




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:168 Resp: 58848

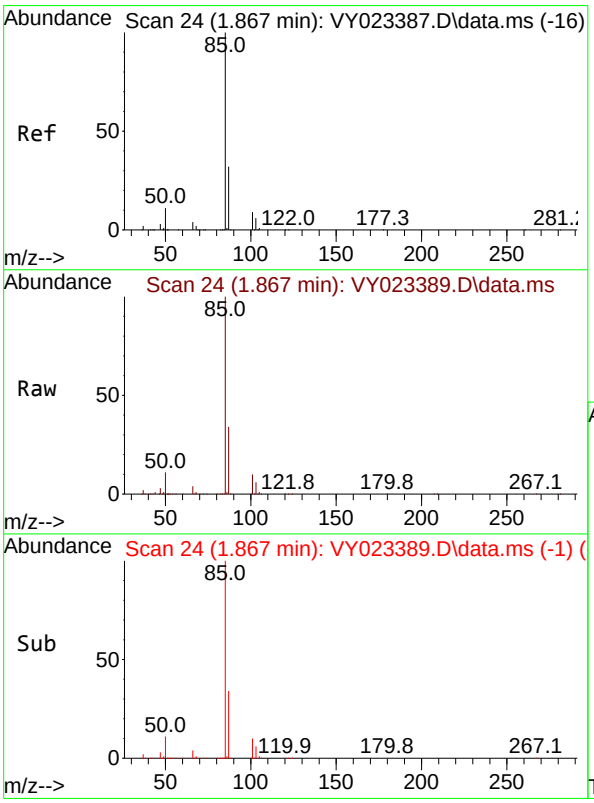
Ion	Ratio	Lower	Upper
168	100		
99	48.3	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

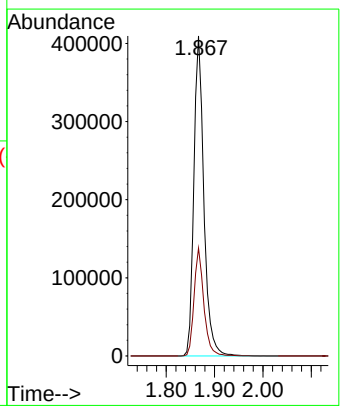
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

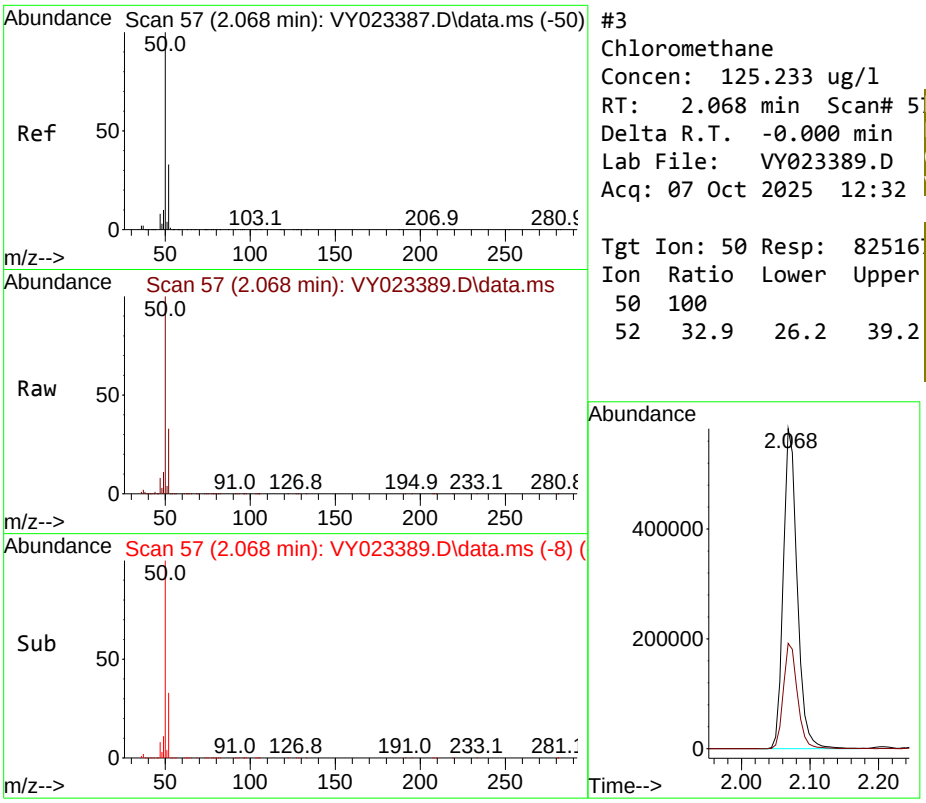


#2
Dichlorodifluoromethane
Concen: 126.766 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

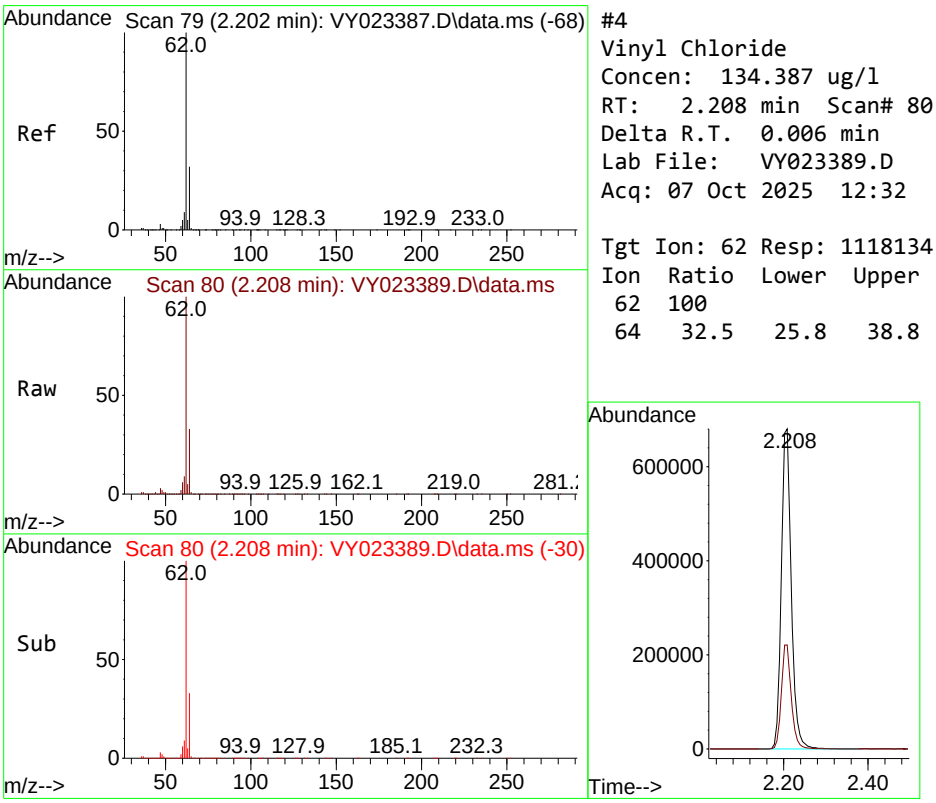
Tgt Ion: 50 Resp: 82516

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

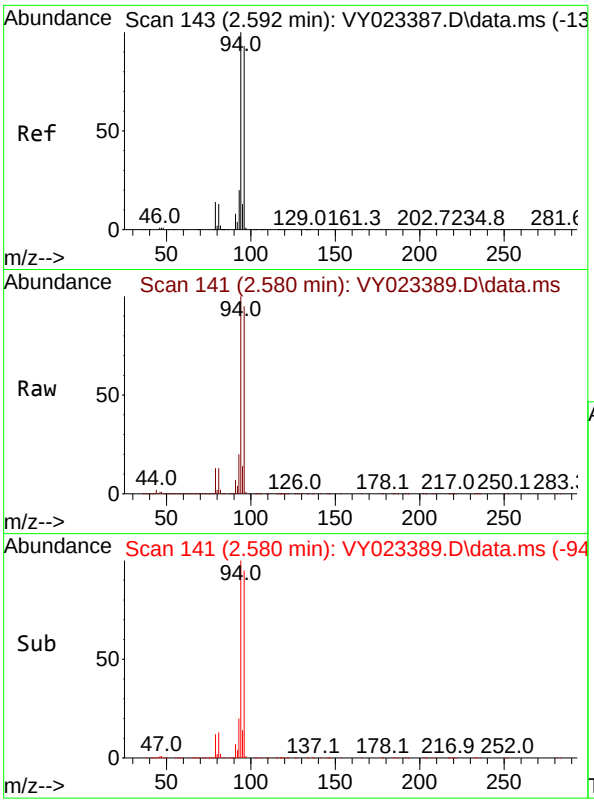
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

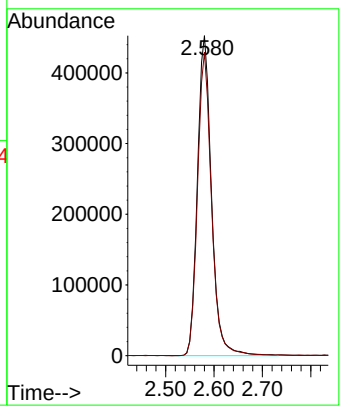
Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.8	38.8



#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

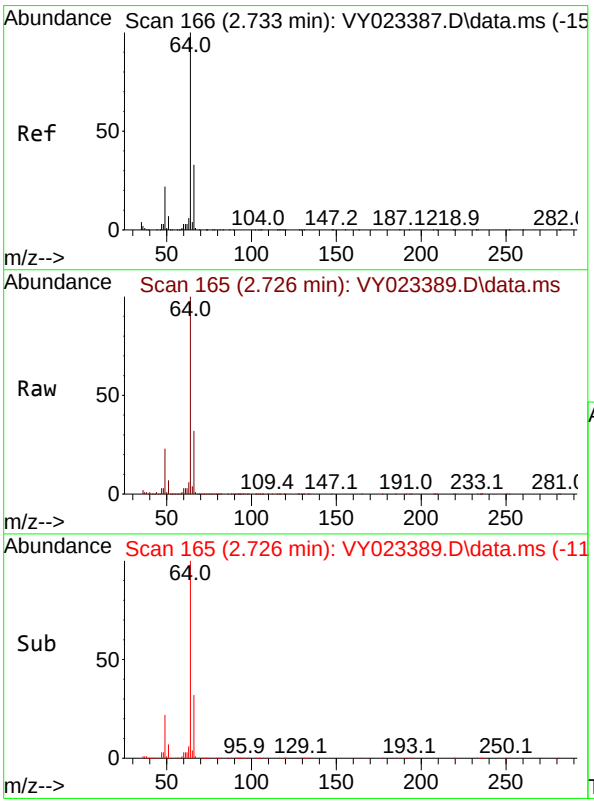
Ion	Ratio	Lower	Upper
94	100		
96	94.8	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

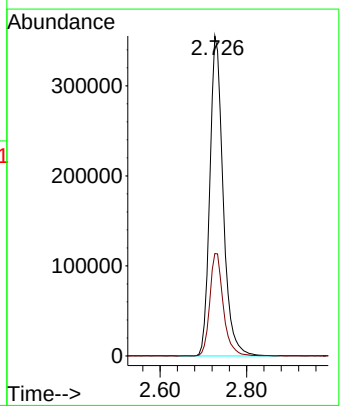
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

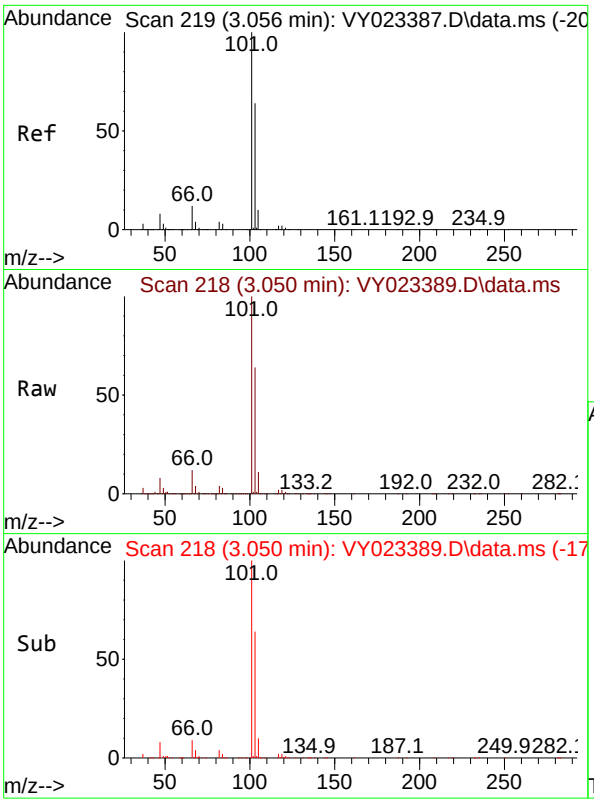


#6
Chloroethane
Concen: 133.994 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

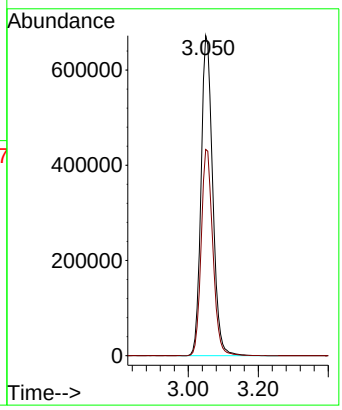
Tgt Ion:101 Resp: 154916

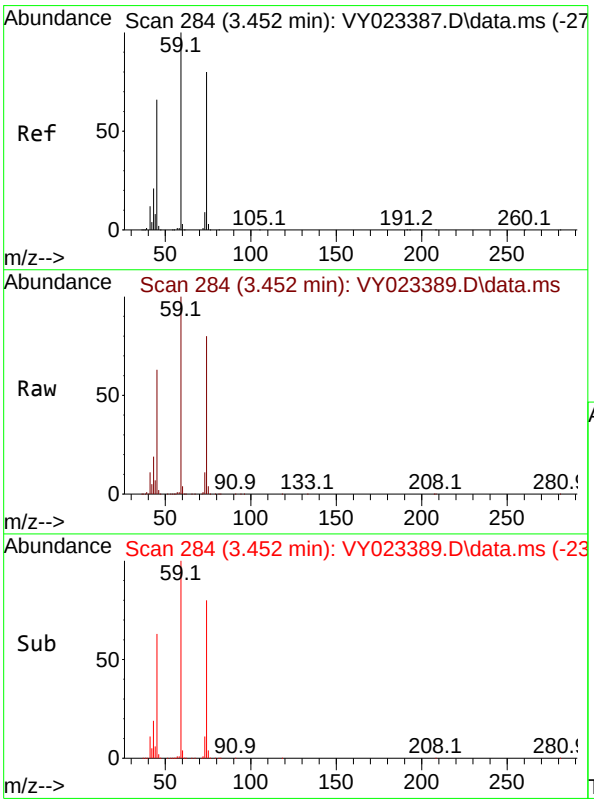
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

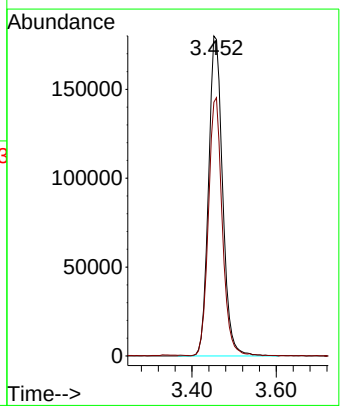


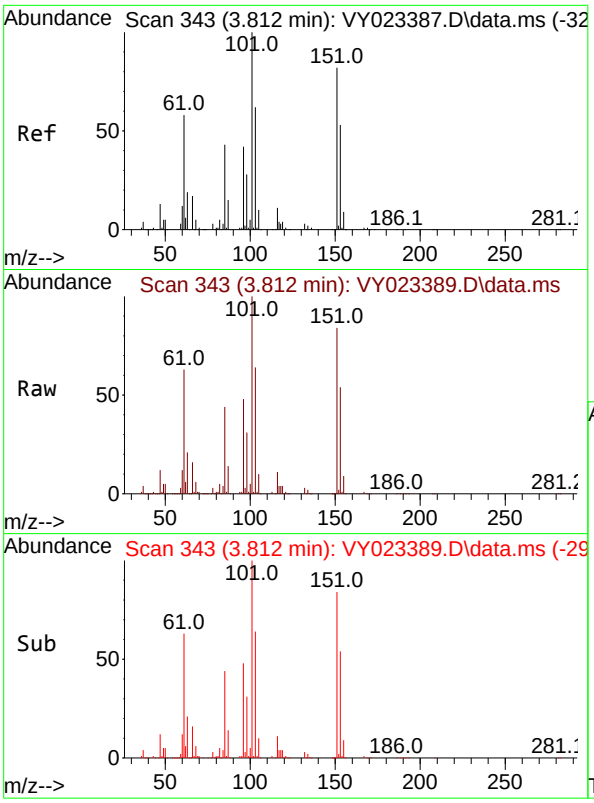


#8
Diethyl Ether
Concen: 149.747 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

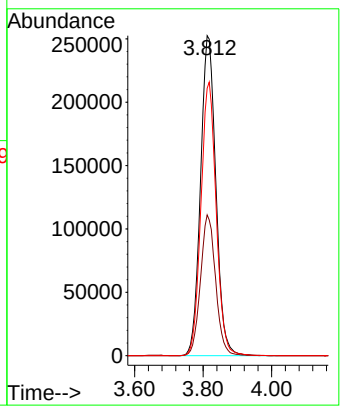
Tgt Ion:101 Resp: 78627

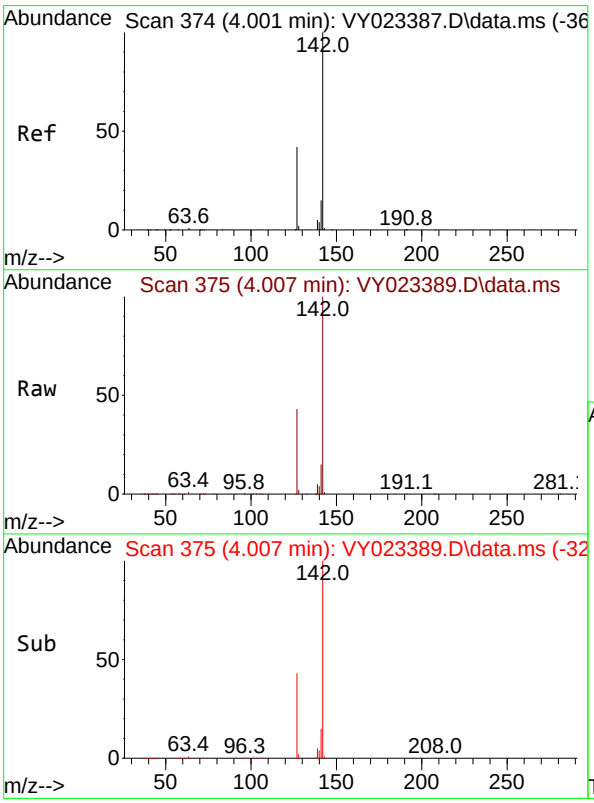
Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.6	51.8
151	85.2	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

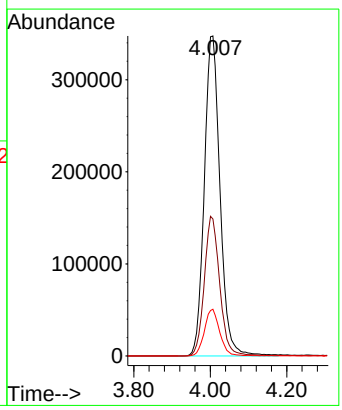


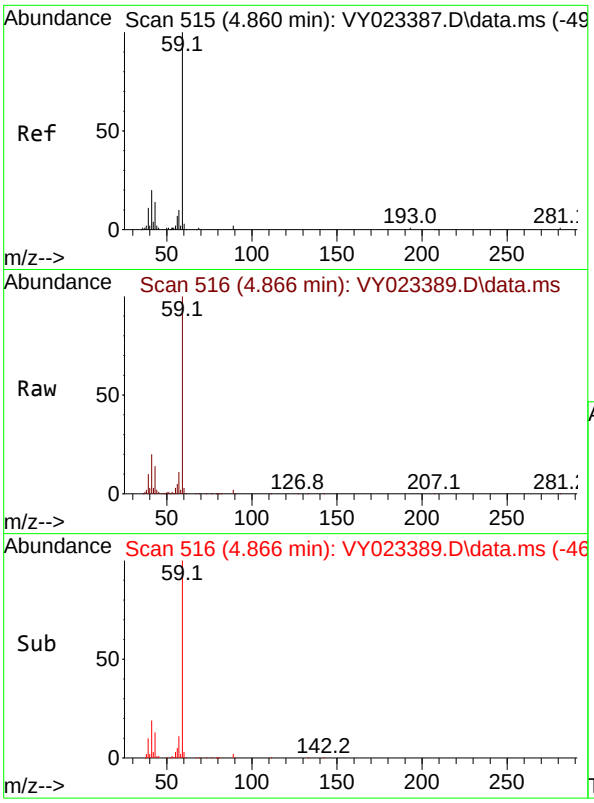


#10
Methyl Iodide
Concen: 150.409 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

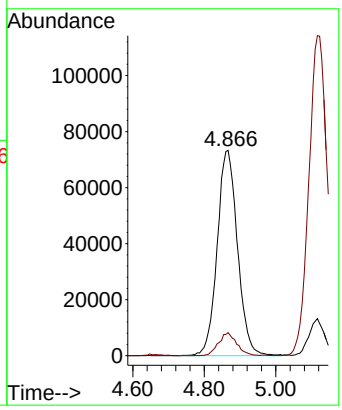




#11
Tert butyl alcohol
Concen: 963.279 ug/l
RT: 4.866 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 59 Resp: 28887

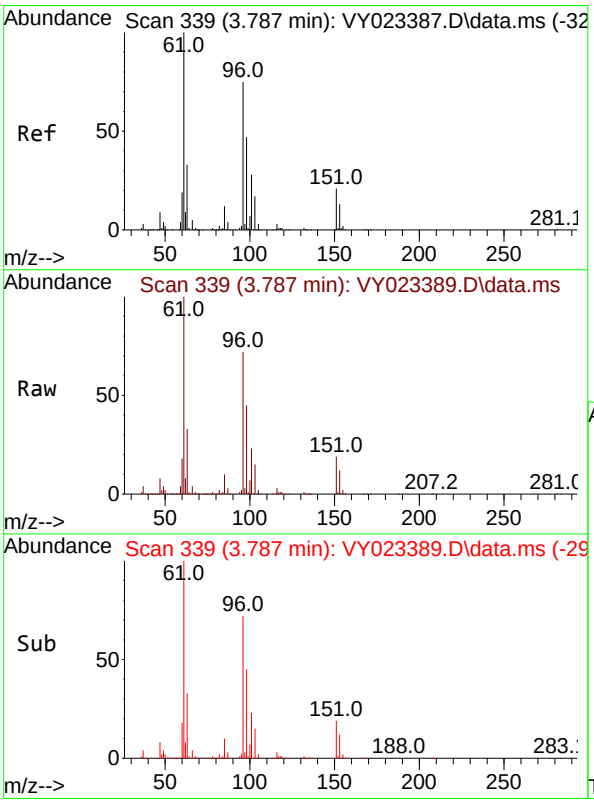
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

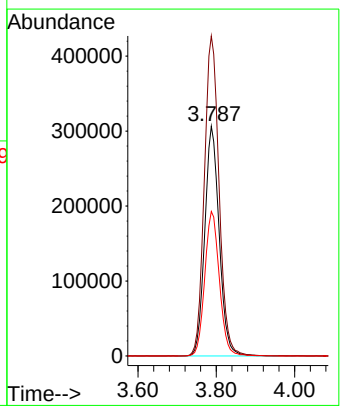
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

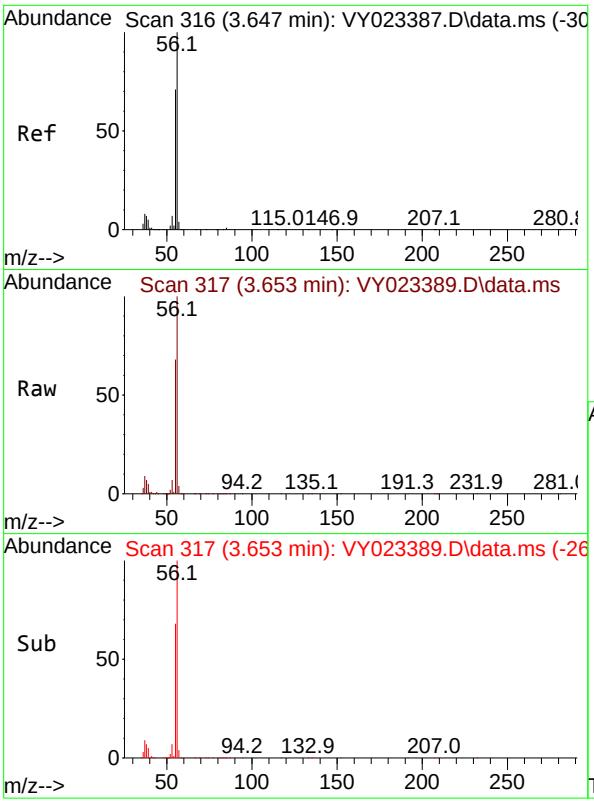


#12
1,1-Dichloroethene
Concen: 142.133 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

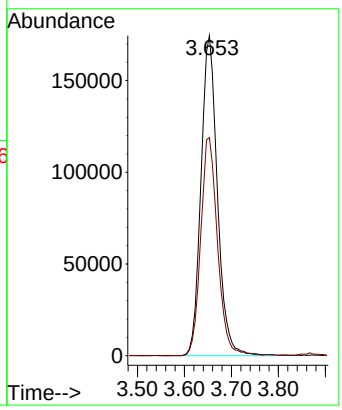




#13
Acrolein
Concen: 833.323 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 56 Resp: 42341

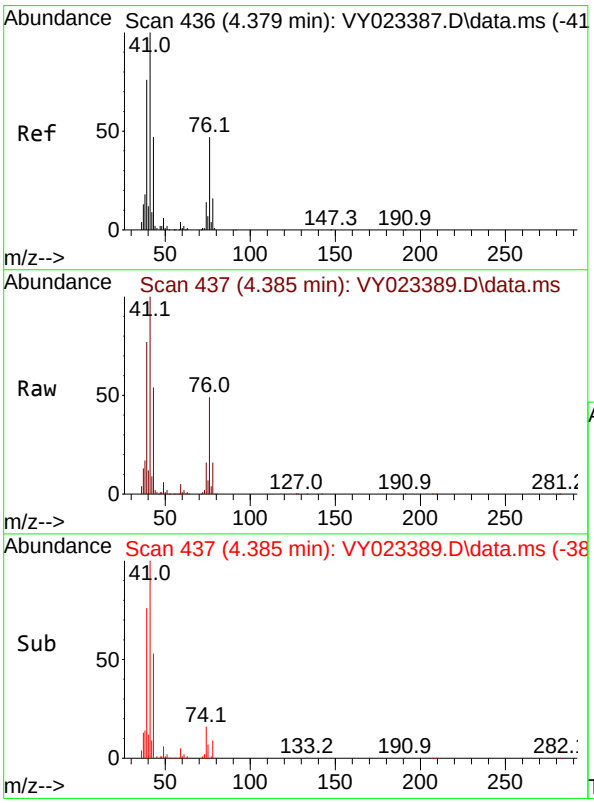
Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

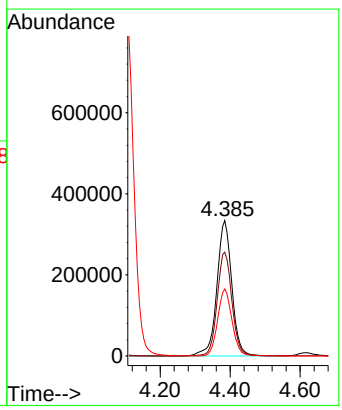
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

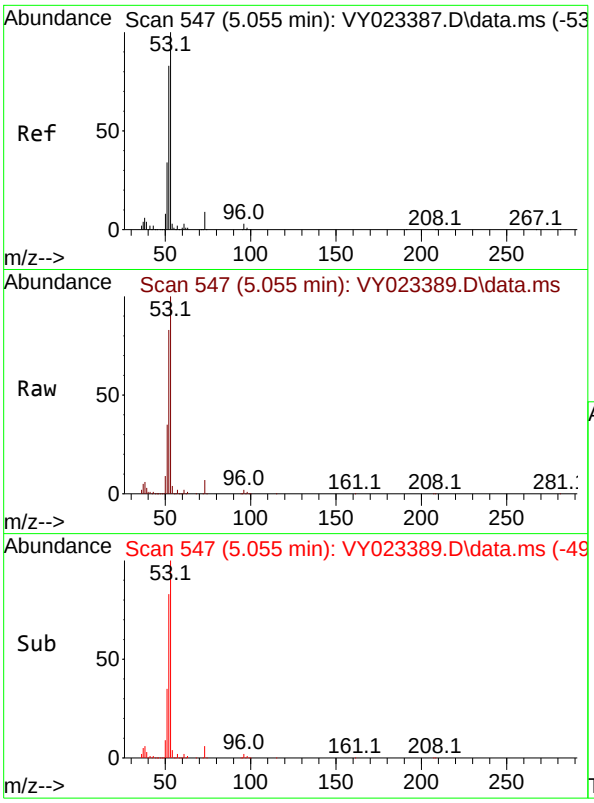


#14
Allyl chloride
Concen: 143.628 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

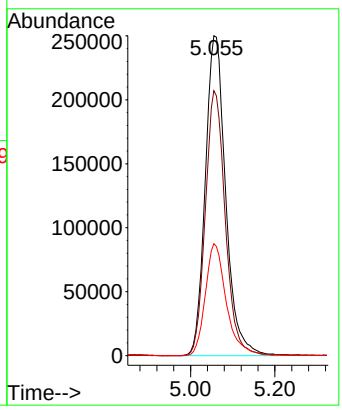




#15
Acrylonitrile
Concen: 768.735 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 53 Resp: 84185

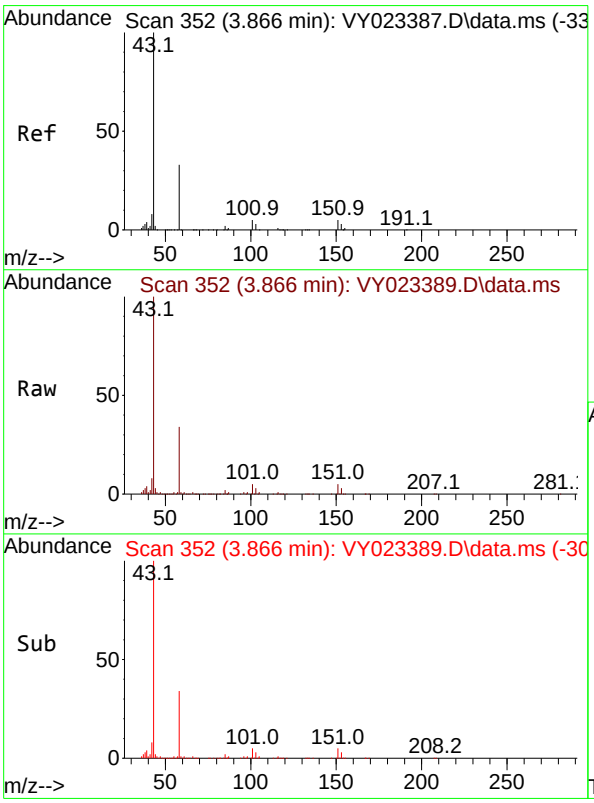
Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.6	97.0
51	36.0	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

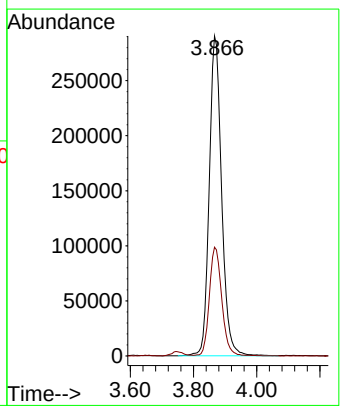
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

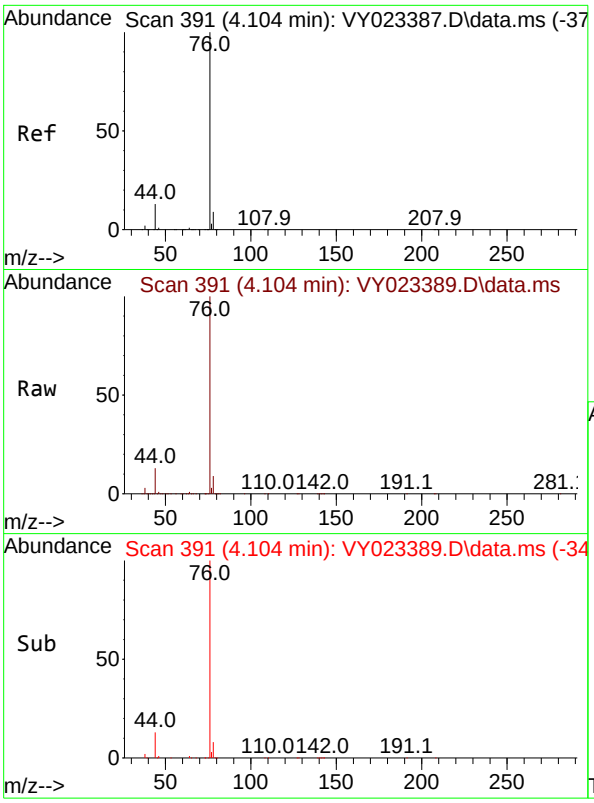


#16
Acetone
Concen: 689.040 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 789668

Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.7	41.5

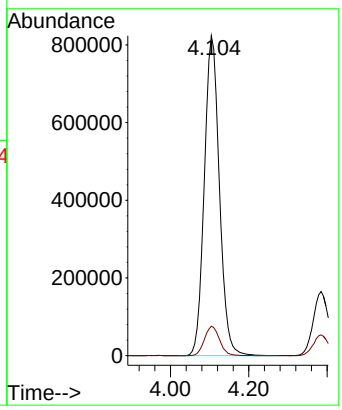




#17
Carbon Disulfide
Concen: 128.252 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 76 Resp: 219933

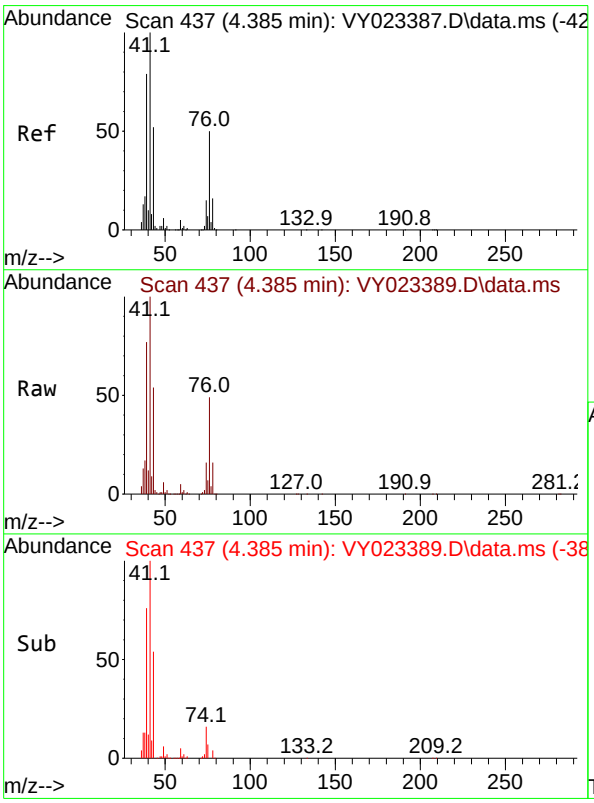
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

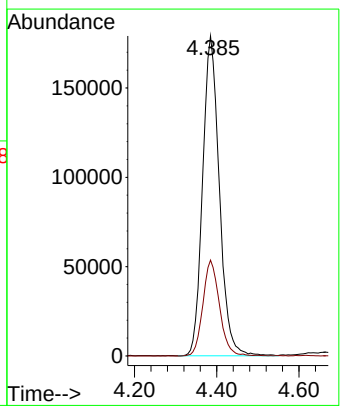
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

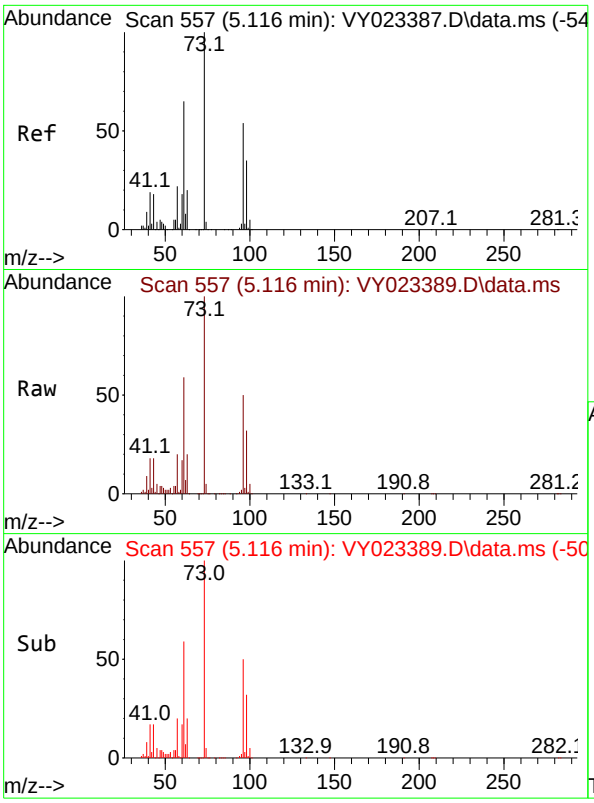


#18
Methyl Acetate
Concen: 173.497 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 505344

Ion	Ratio	Lower	Upper
43	100		
74	29.7	24.2	36.4

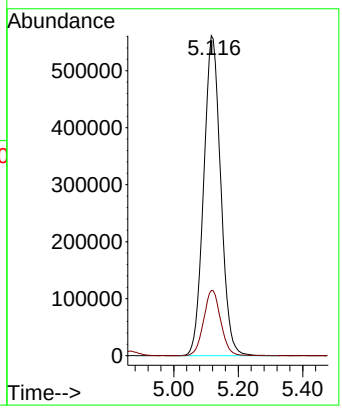




#19
Methyl tert-butyl Ether
Concen: 159.802 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 73 Resp: 205653

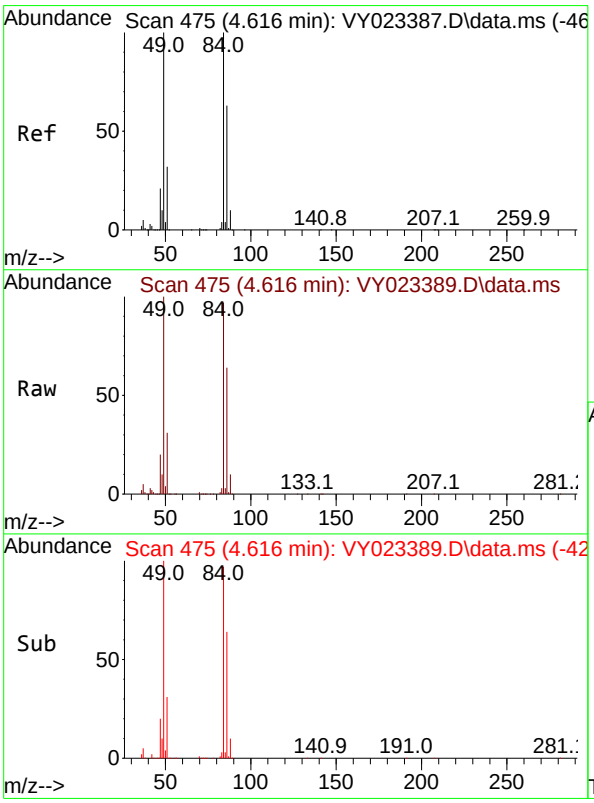
Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

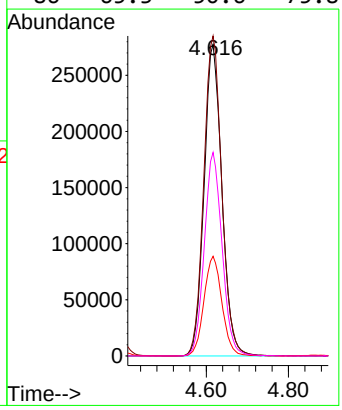
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

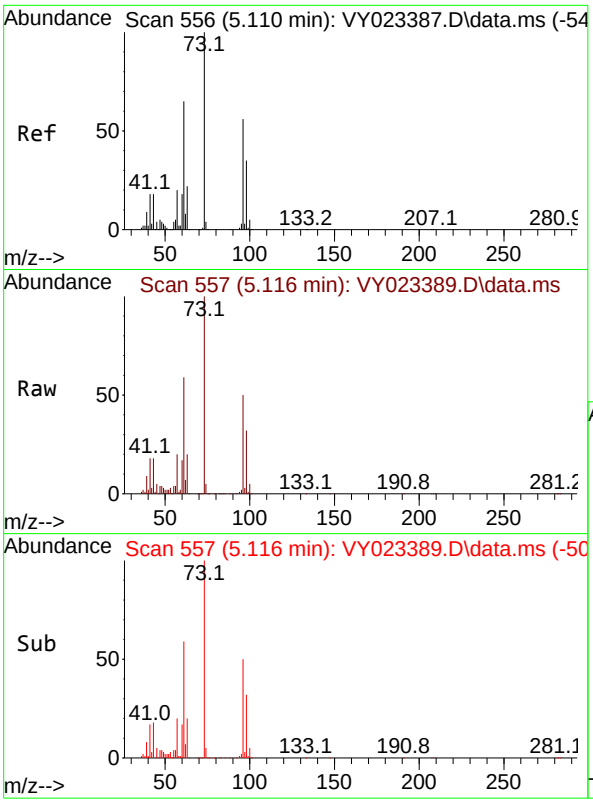


#20
Methylene Chloride
Concen: 134.365 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

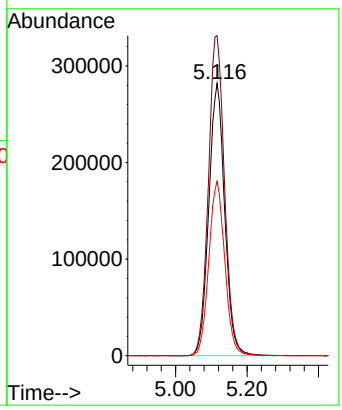




#21
trans-1,2-Dichloroethene
Concen: 142.549 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 96 Resp: 87138

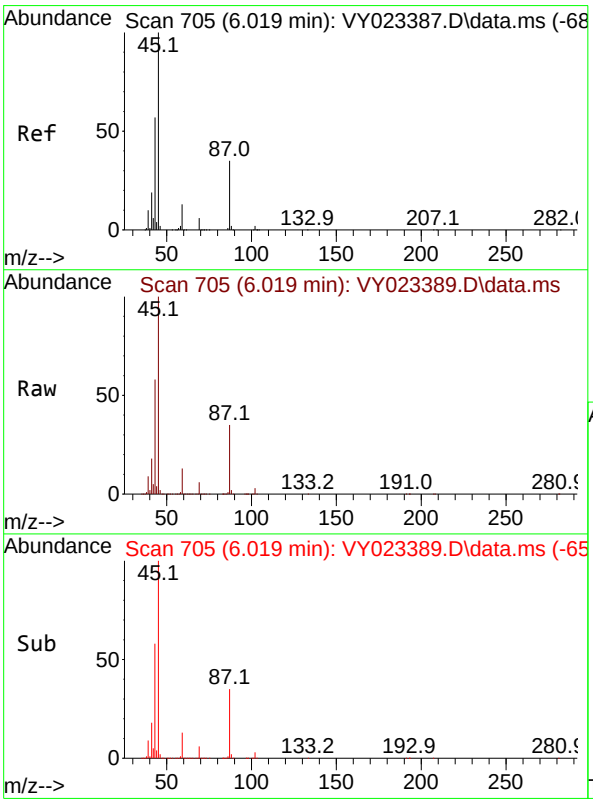
Ion	Ratio	Lower	Upper
96	100		
61	117.5	92.7	139.1
98	64.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

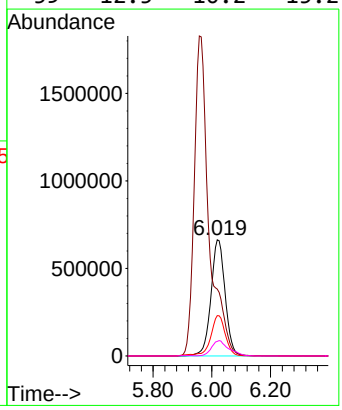
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

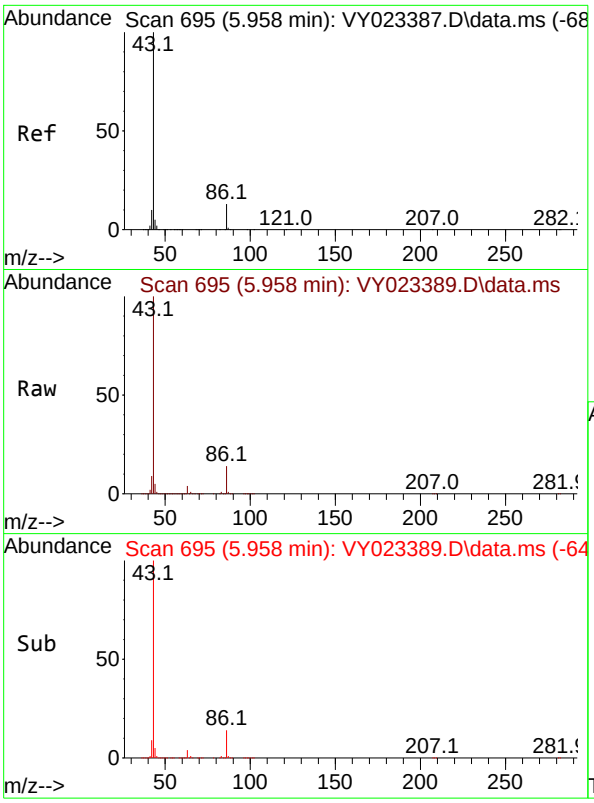


#22
Diisopropyl ether
Concen: 145.375 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

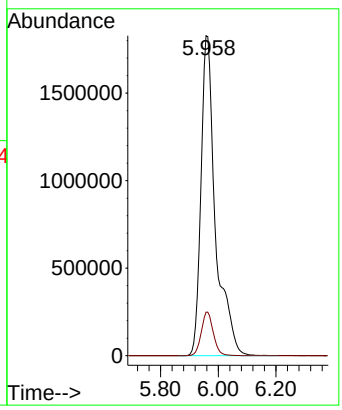




#23
Vinyl Acetate
Concen: 760.246 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 637704

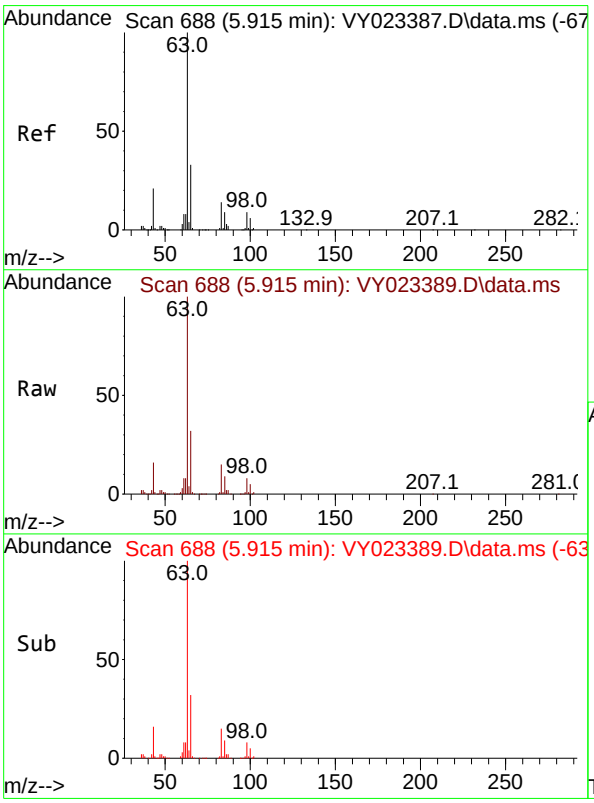
Ion	Ratio	Lower	Upper
43	100		
86	13.6	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

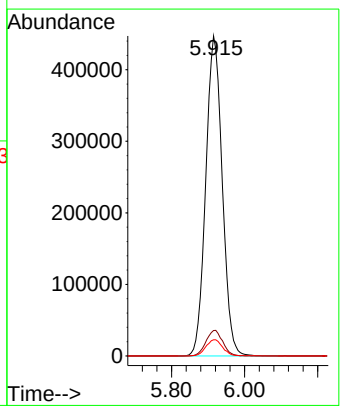
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

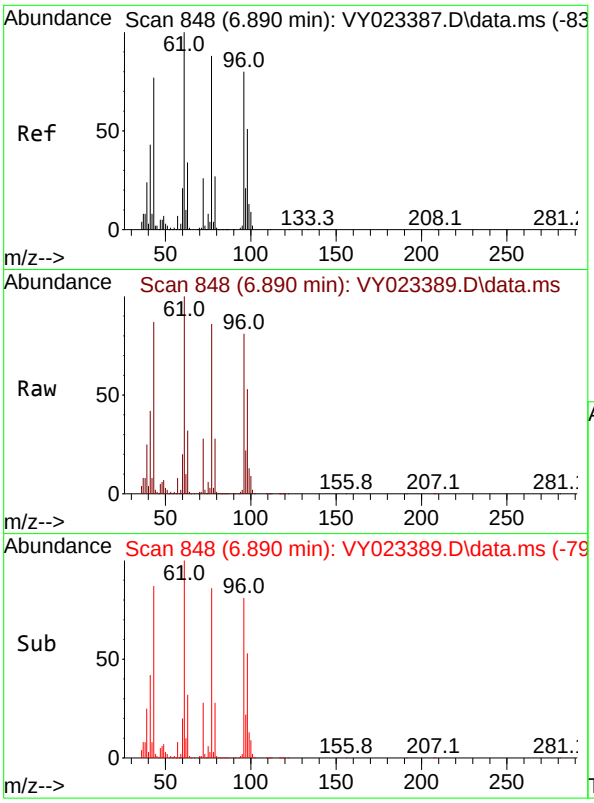


#24
1,1-Dichloroethane
Concen: 139.024 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

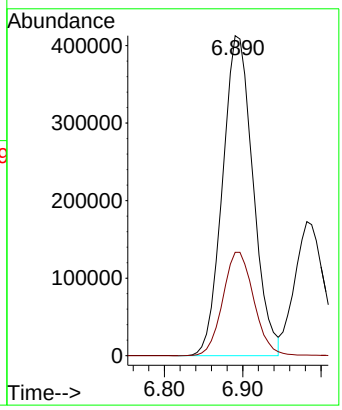




#25
2-Butanone
Concen: 788.091 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 111634

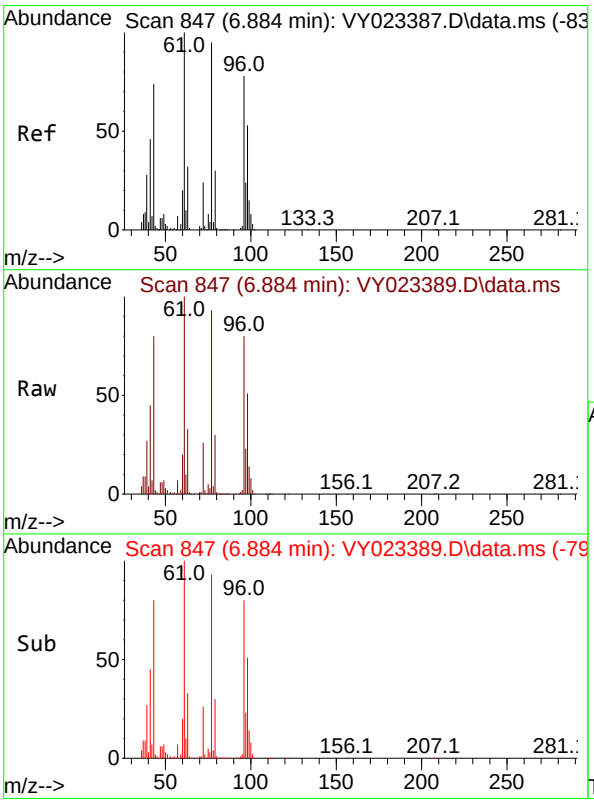
Ion	Ratio	Lower	Upper
43	100		
72	32.3	27.4	41.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

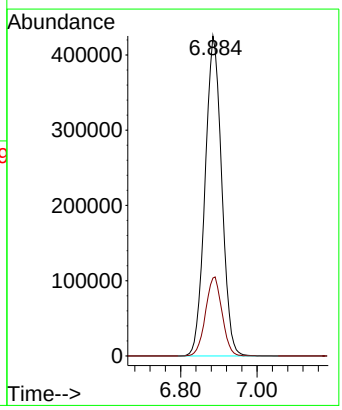
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

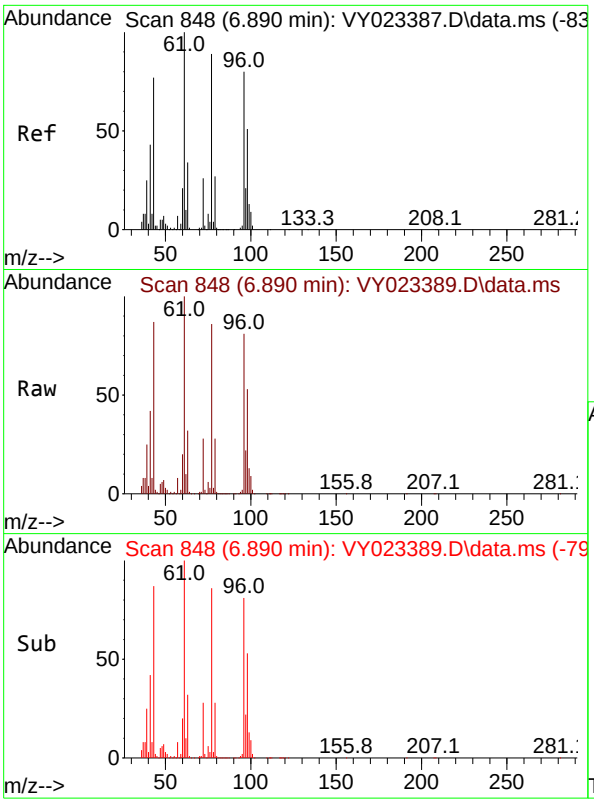


#26
2,2-Dichloropropane
Concen: 143.391 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 77 Resp: 1281633

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.1	36.3

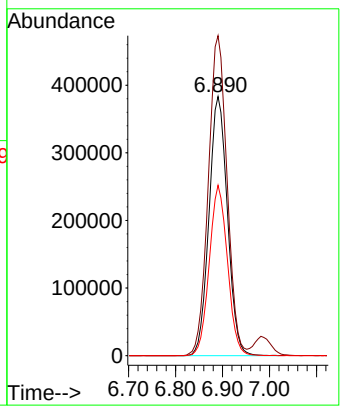




#27
cis-1,2-Dichloroethene
Concen: 150.505 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 96 Resp: 104357

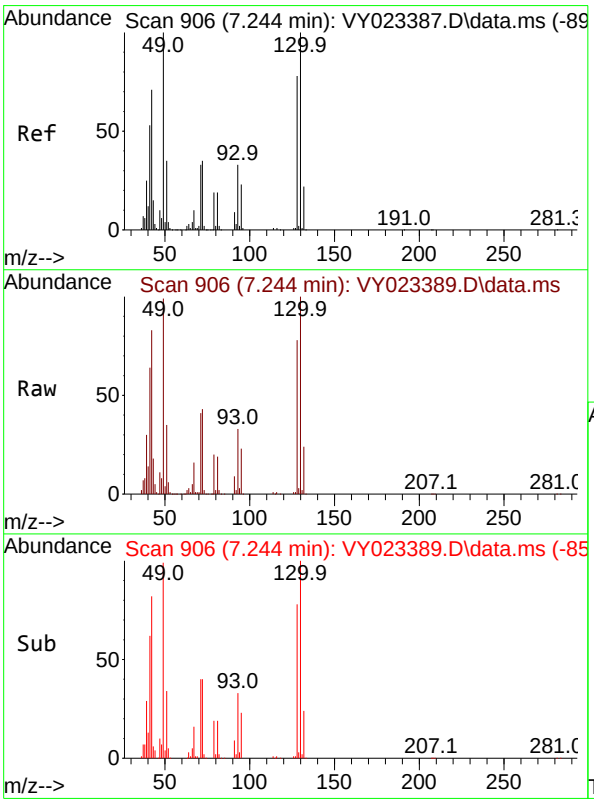
Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	258.2
98	65.0	0.0	132.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

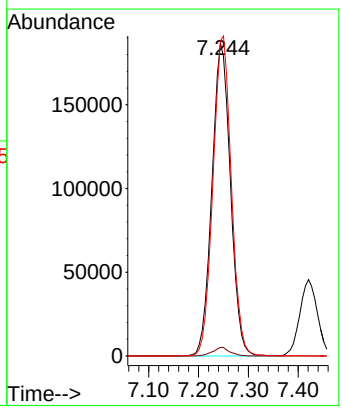
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

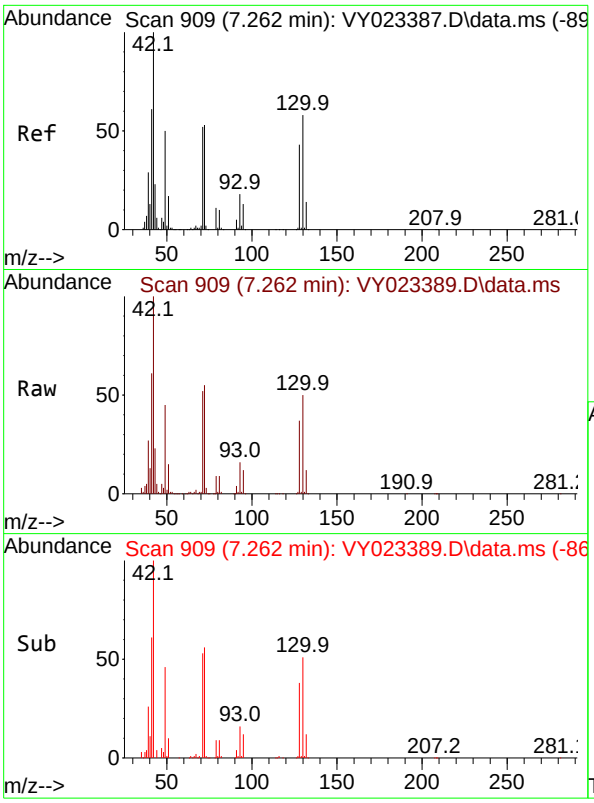


#28
Bromochloromethane
Concen: 123.567 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

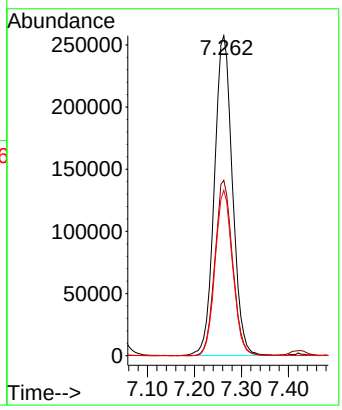




#29
Tetrahydrofuran
Concen: 817.972 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 42 Resp: 68771(

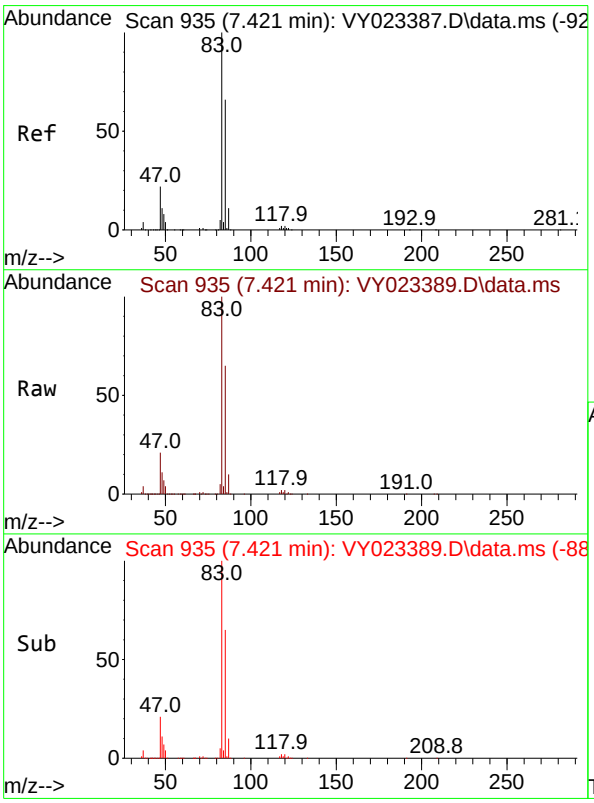
Ion	Ratio	Lower	Upper
42	100		
72	53.9	43.0	64.6
71	50.4	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

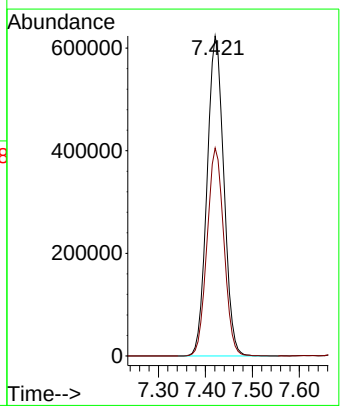
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

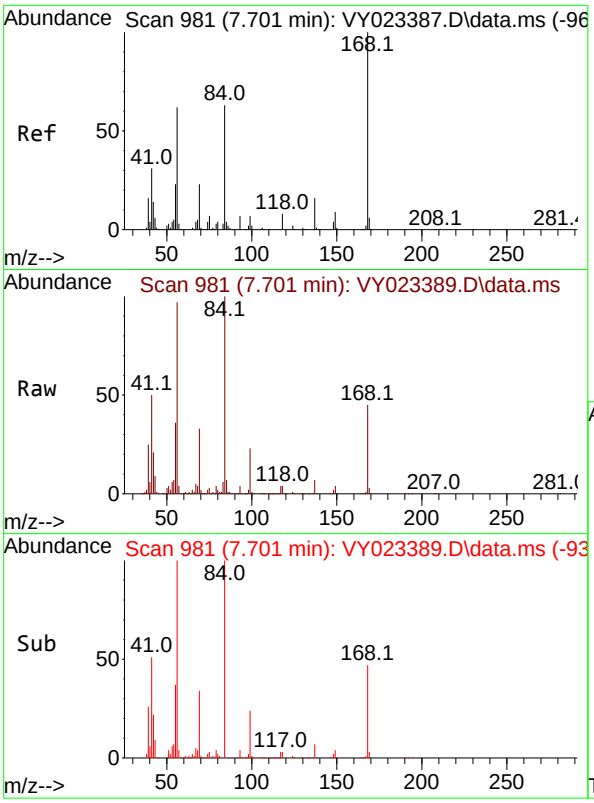


#30
Chloroform
Concen: 142.221 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 1542715

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.5	78.7

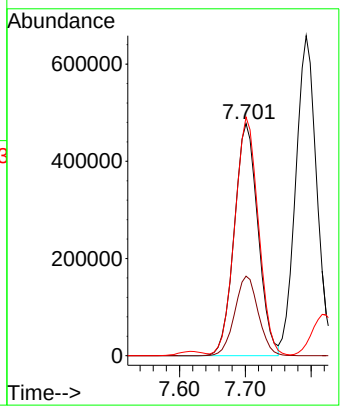




#31
Cyclohexane
Concen: 134.268 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 56 Resp: 119277

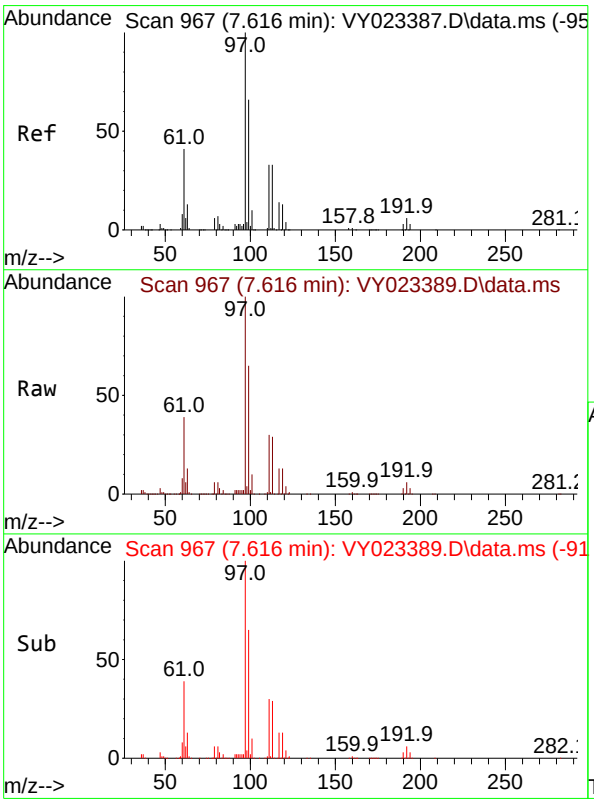
Ion	Ratio	Lower	Upper
56	100		
69	34.2	30.0	45.0
84	101.7	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

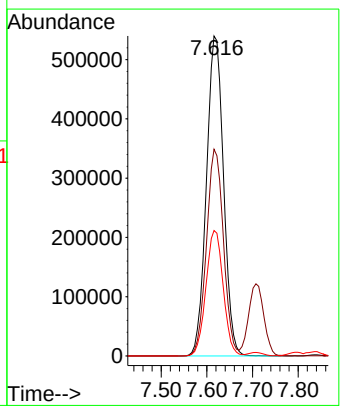
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

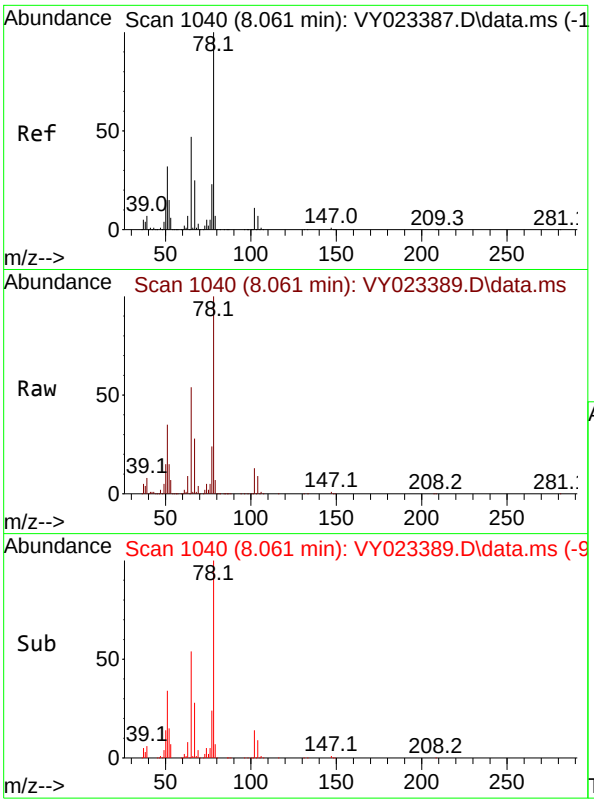


#32
1,1,1-Trichloroethane
Concen: 144.305 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

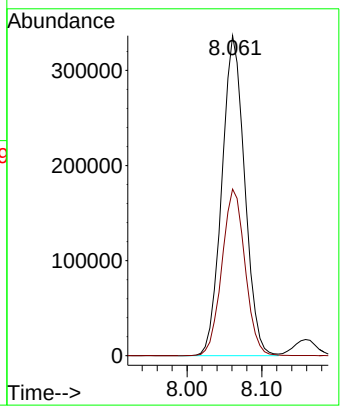




#33
1,2-Dichloroethane-d4
Concen: 140.236 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 65 Resp: 71473

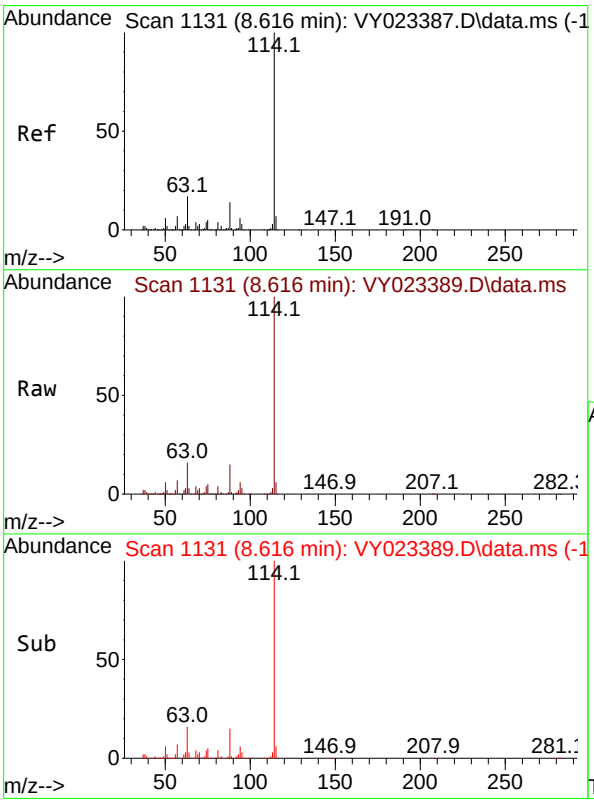
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

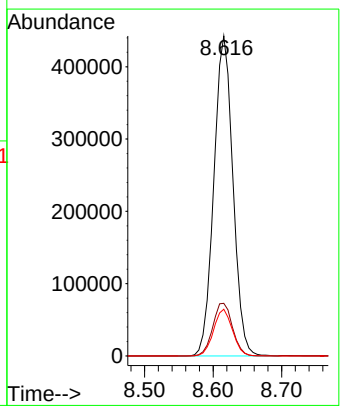
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

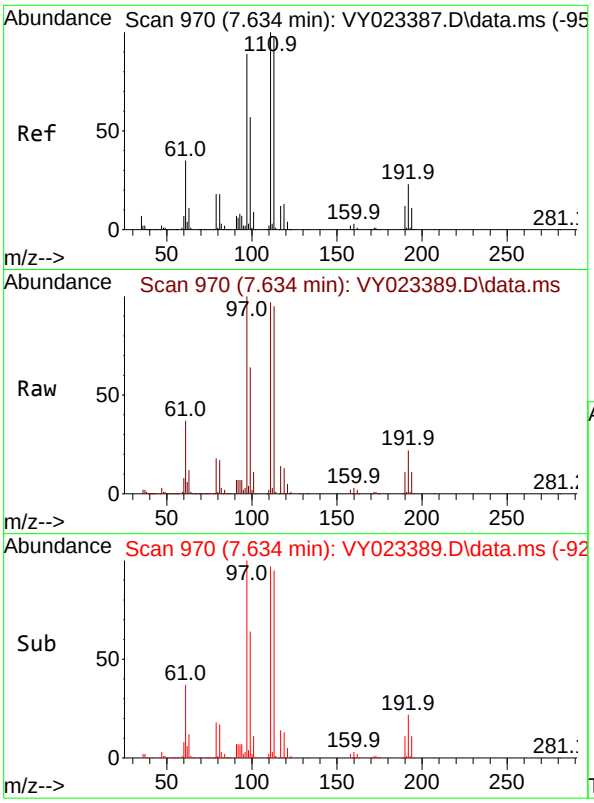


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

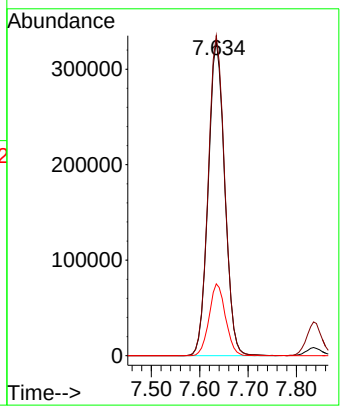




#35
Dibromofluoromethane
Concen: 149.977 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:113 Resp: 77863

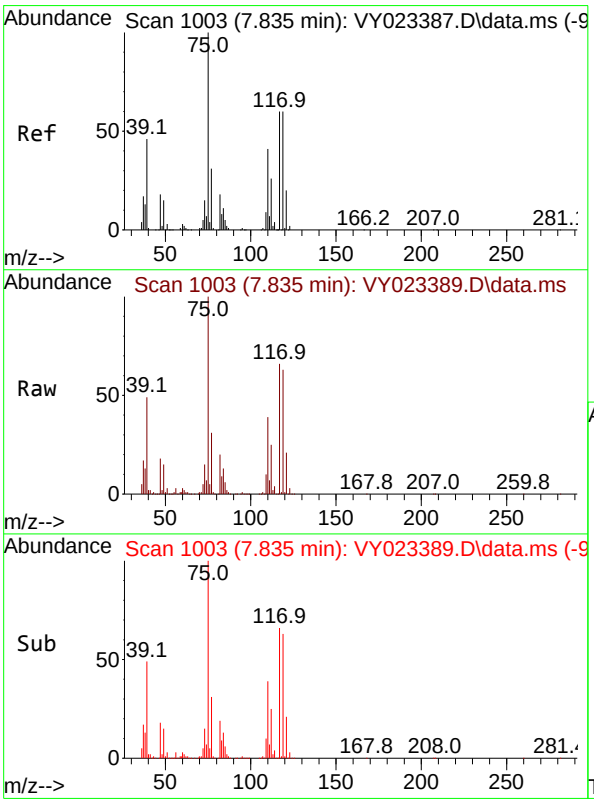
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	22.7	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

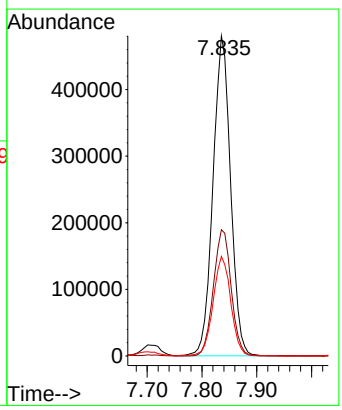
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

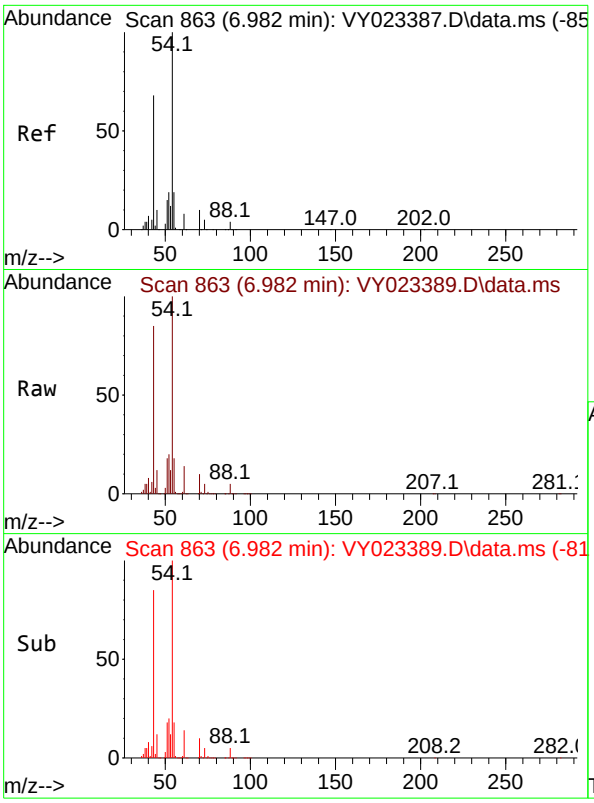


#36
1,1-Dichloropropene
Concen: 146.031 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

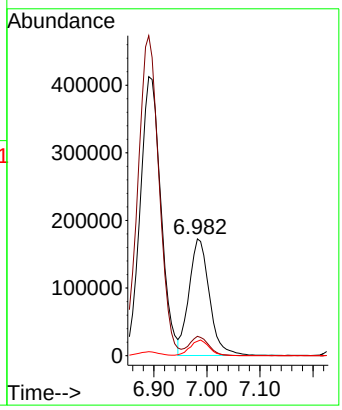




#37
Ethyl Acetate
Concen: 158.853 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 46002

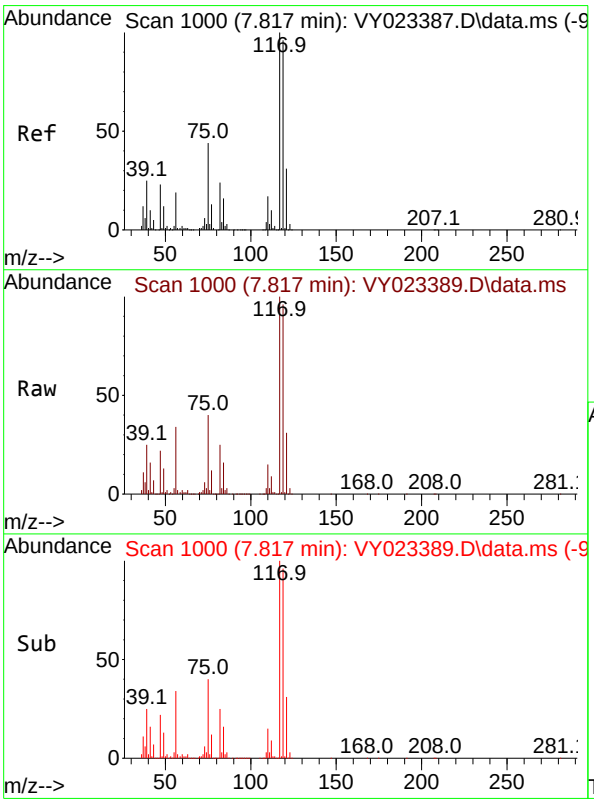
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.8
70	12.7	10.5	15.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

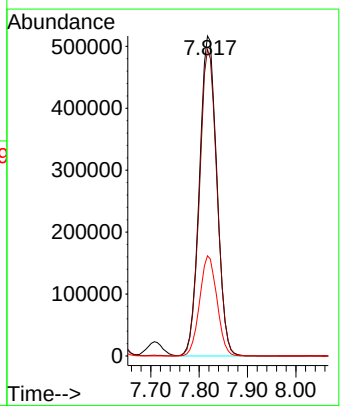
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

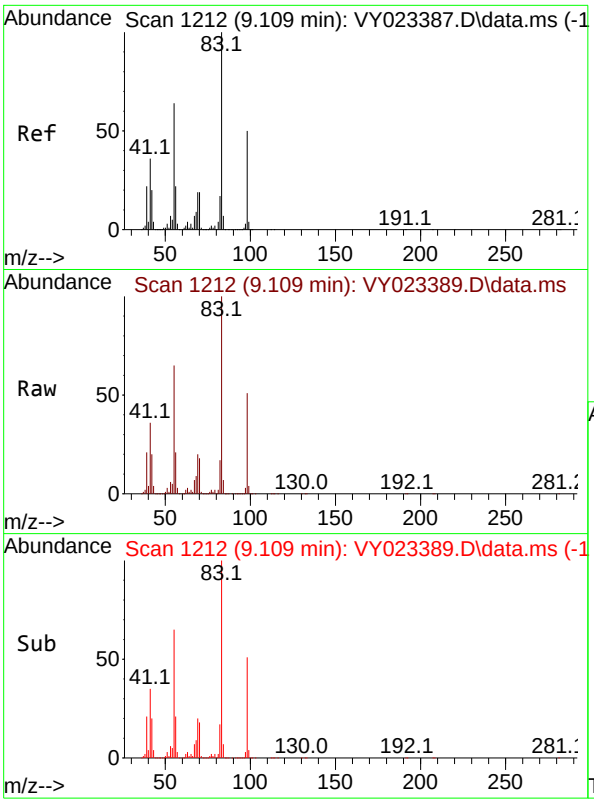


#38
Carbon Tetrachloride
Concen: 151.646 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

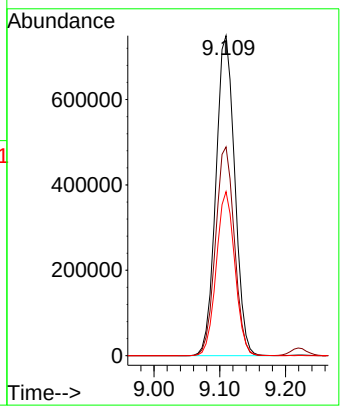
Tgt Ion: 83 Resp: 149661

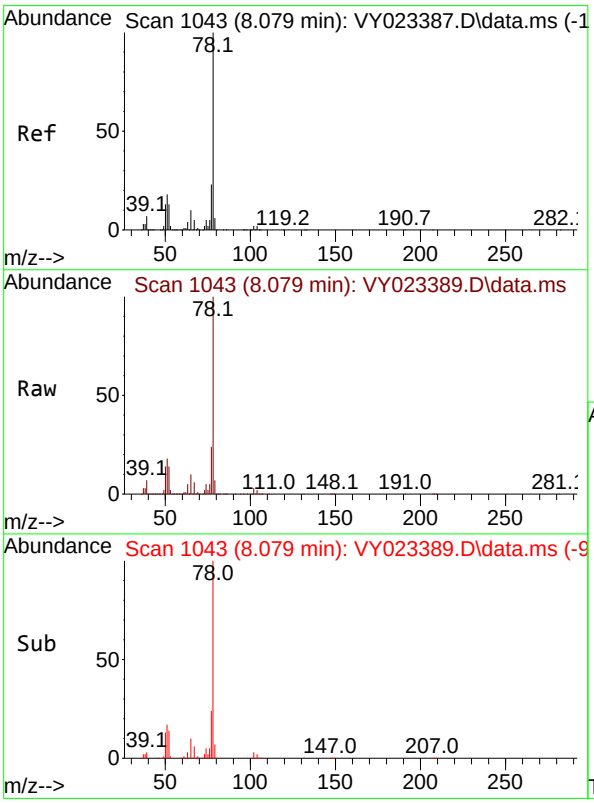
Ion	Ratio	Lower	Upper
83	100		
55	65.2	51.4	77.2
98	51.2	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

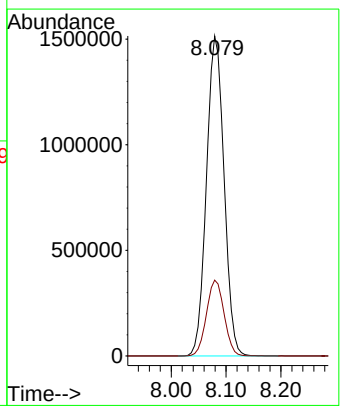


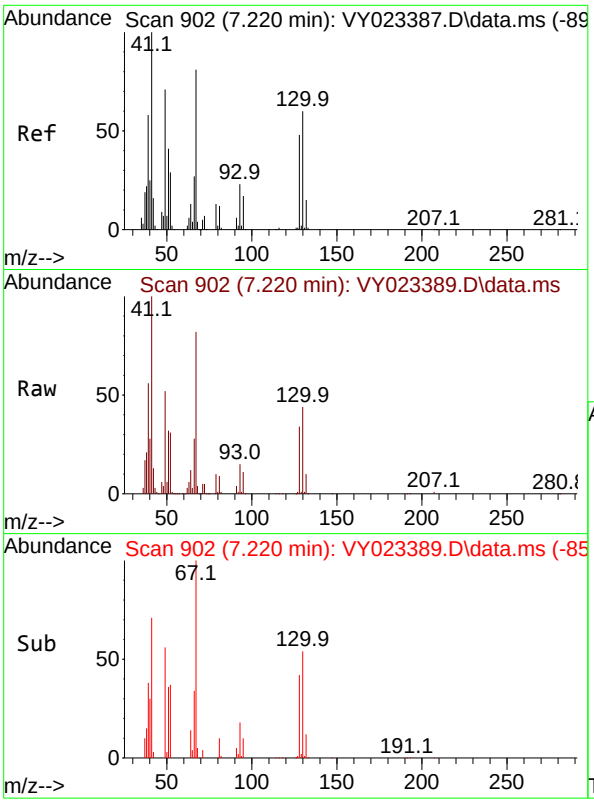


#40
Benzene
Concen: 147.442 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 78 Resp: 3366812

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5

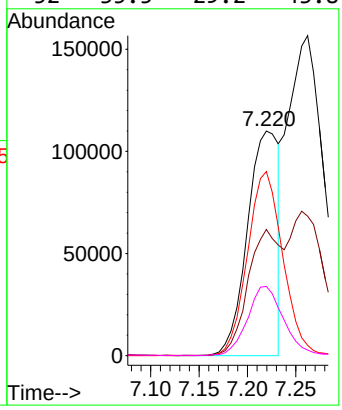




#41
Methacrylonitrile
Concen: 164.212 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 41 Resp: 24697

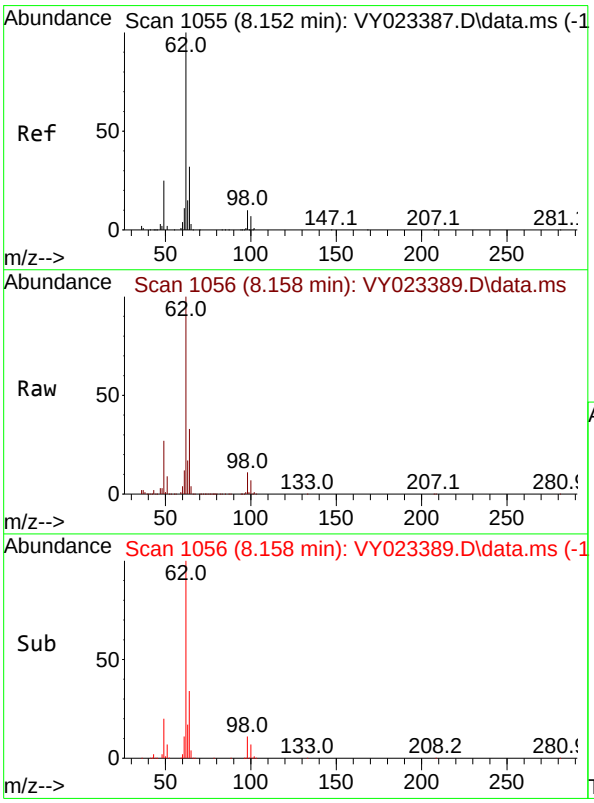
Ion	Ratio	Lower	Upper
41	100		
39	61.7	52.2	78.4
67	93.3	74.9	112.3
52	35.5	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

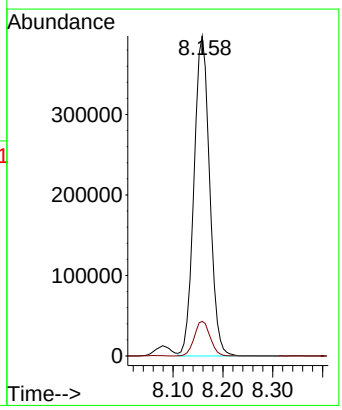
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

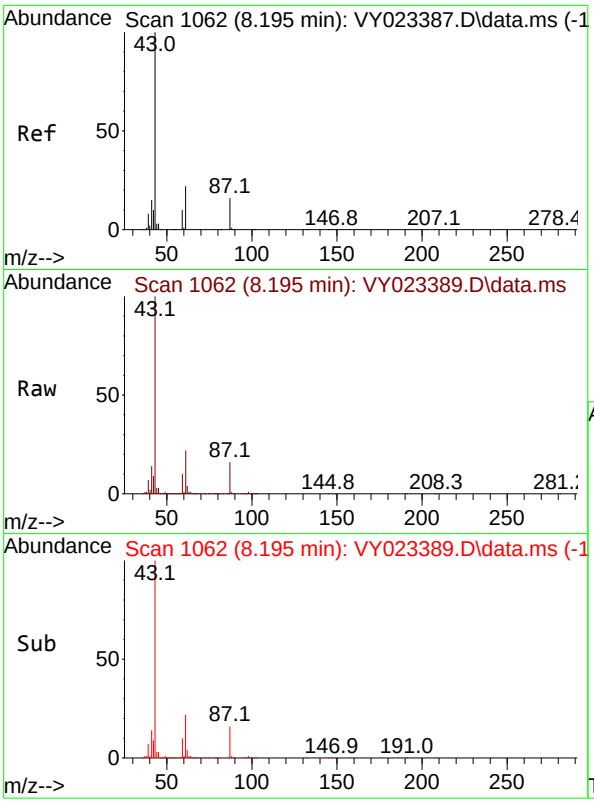


#42
1,2-Dichloroethane
Concen: 149.063 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

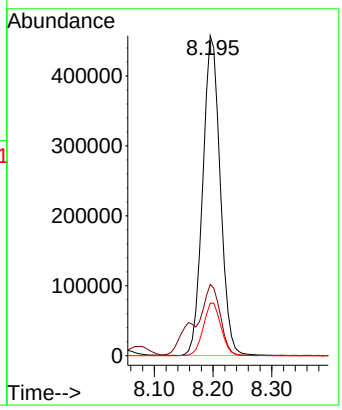
Tgt Ion: 43 Resp: 94608

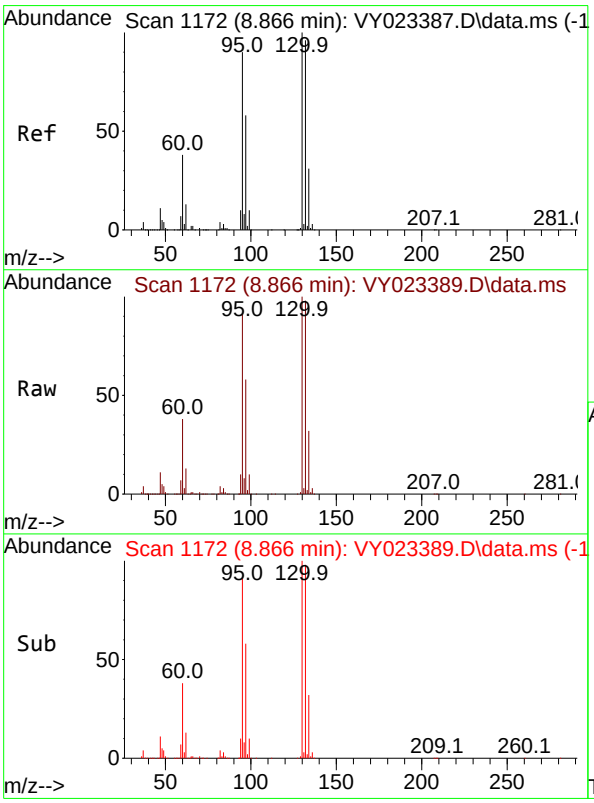
Ion	Ratio	Lower	Upper
43	100		
61	22.6	18.1	27.1
87	16.7	13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

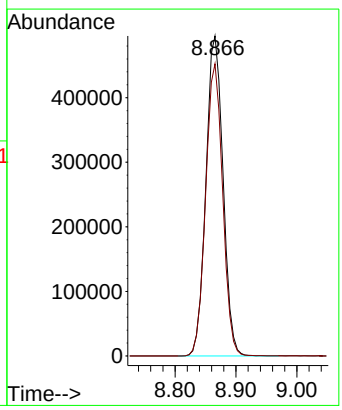


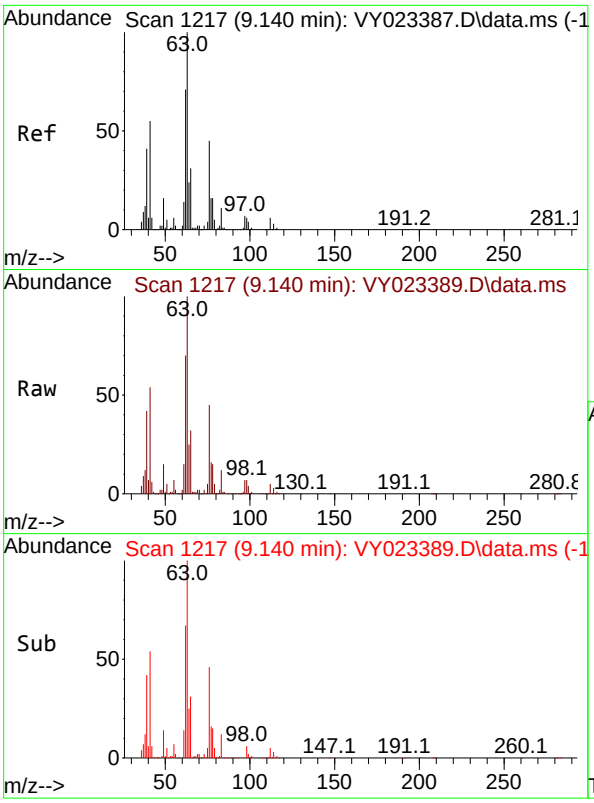


#44
Trichloroethene
Concen: 150.740 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:130 Resp: 966011

Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	180.6

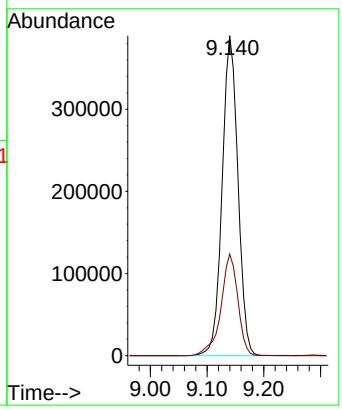




#45
1,2-Dichloropropane
Concen: 146.403 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 63 Resp: 75228

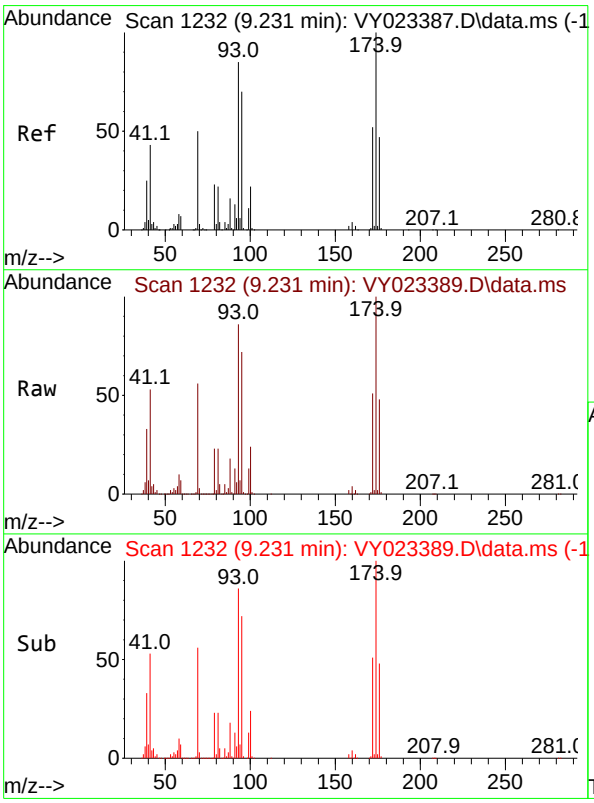
Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

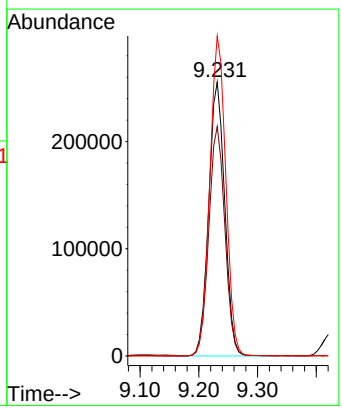
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

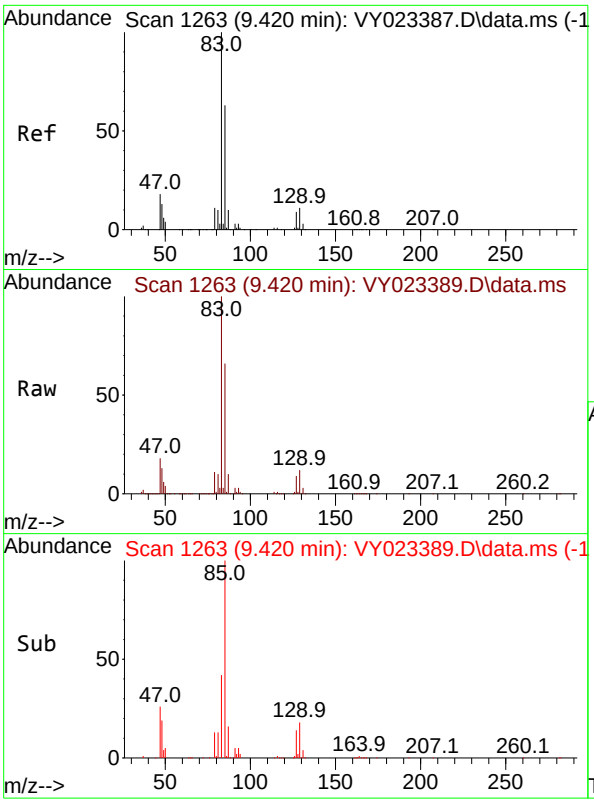


#46
Dibromomethane
Concen: 153.895 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

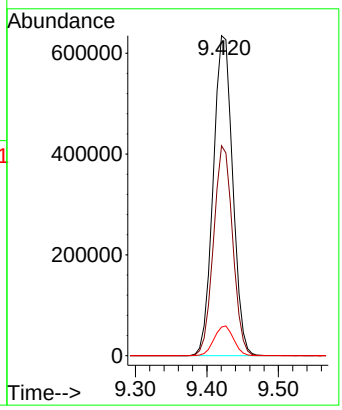




#47
Bromodichloromethane
Concen: 151.965 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 120224

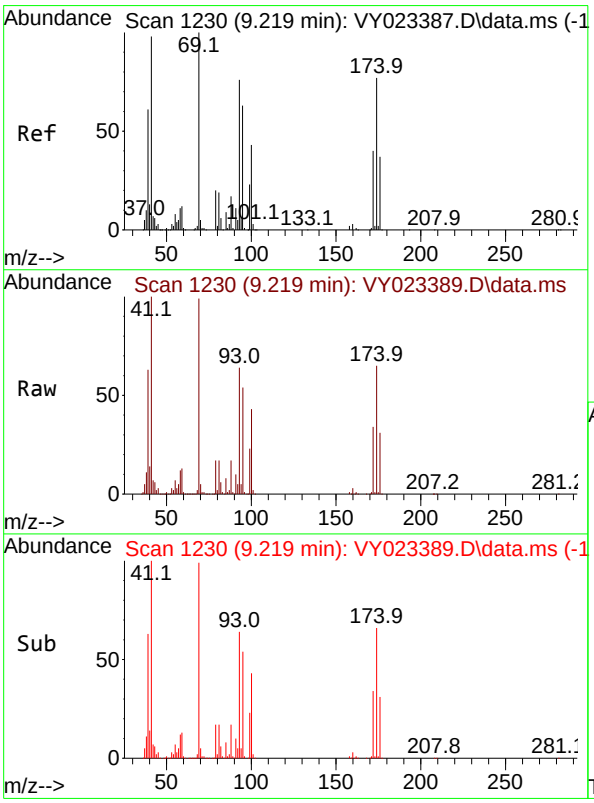
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.8	76.2
127	9.0	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

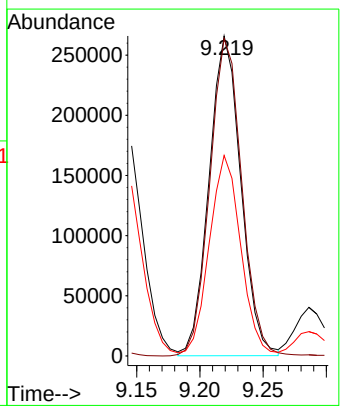
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

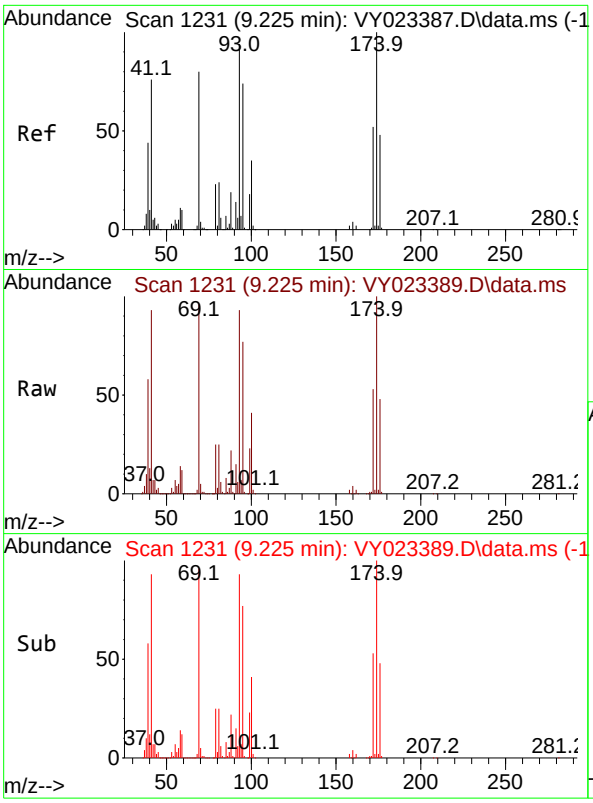


#48
Methyl methacrylate
Concen: 176.368 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

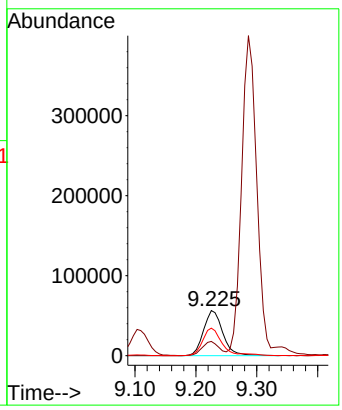




#49
1,4-Dioxane
Concen: 3809.726 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 88 Resp: 12399

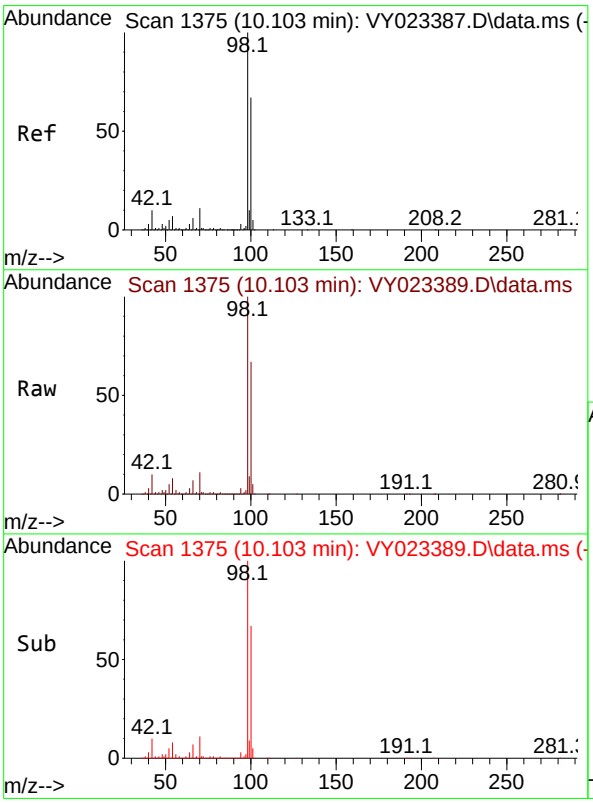
Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.8	32.8
58	62.1	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

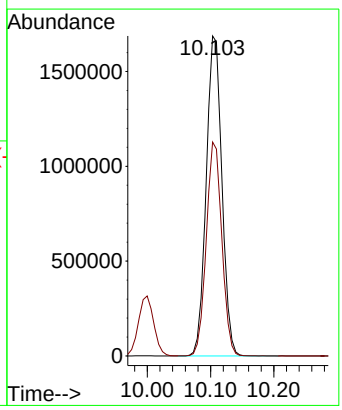
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

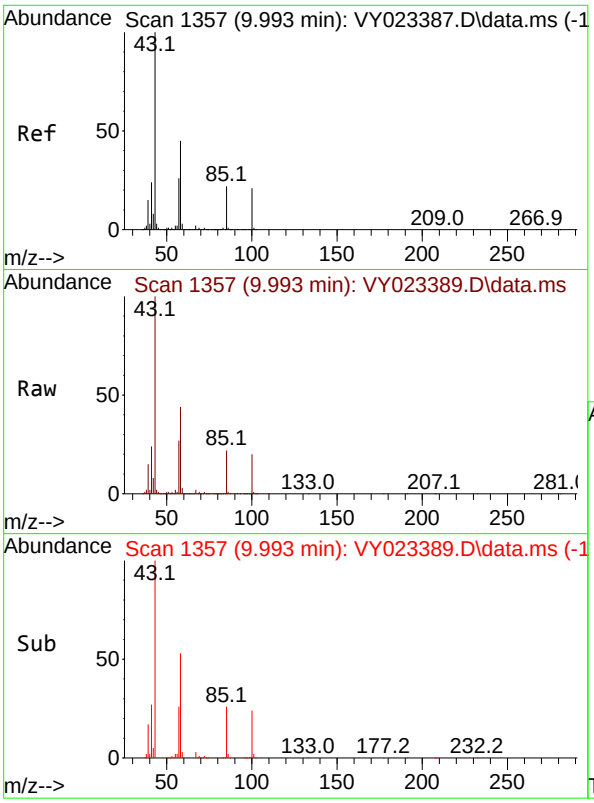


#50
Toluene-d8
Concen: 148.741 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 98 Resp: 2912319

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

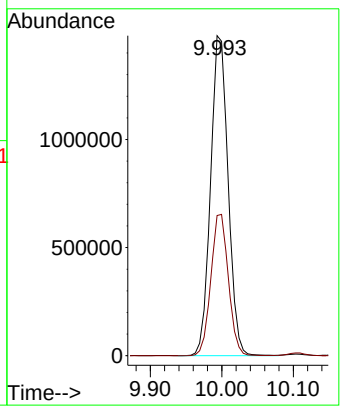




#51
4-Methyl-2-Pentanone
Concen: 872.045 ug/l
RT: 9.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 43 Resp: 251610

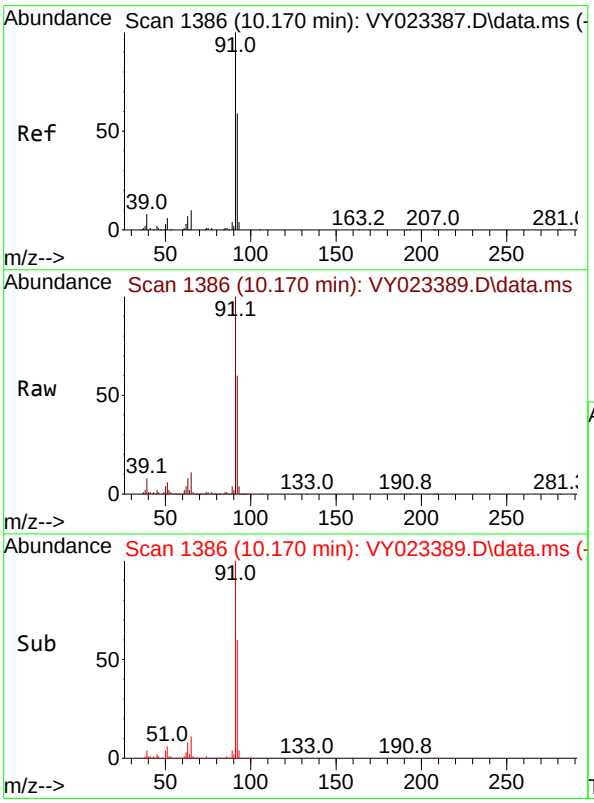
Ion	Ratio	Lower	Upper
43	100		
58	44.1	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

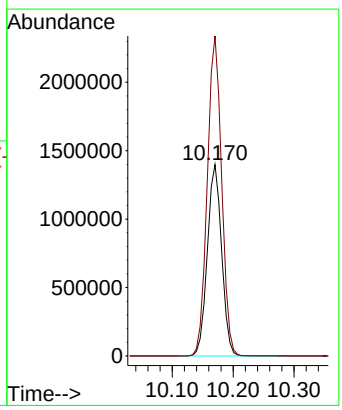
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

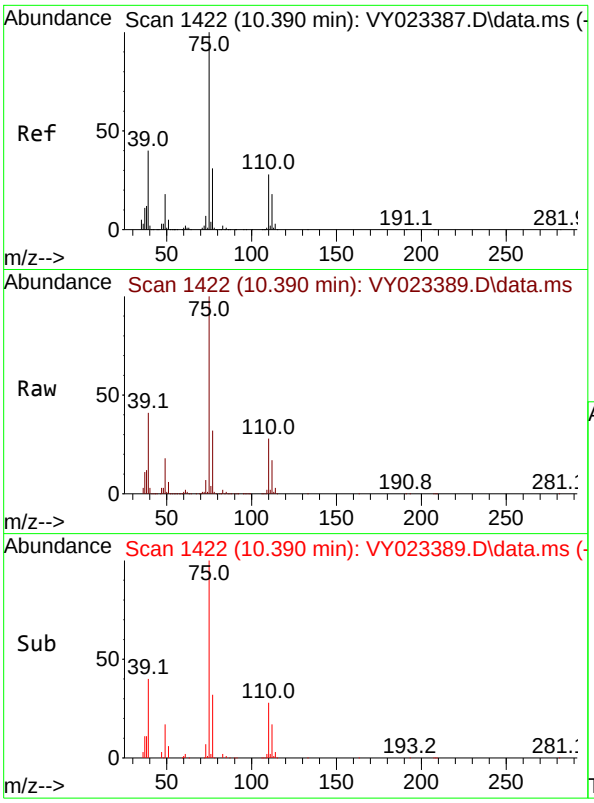


#52
Toluene
Concen: 156.786 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 92 Resp: 2272574

Ion	Ratio	Lower	Upper
92	100		
91	168.3	136.4	204.6

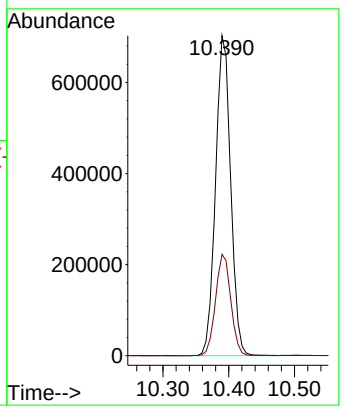




#53
t-1,3-Dichloropropene
Concen: 165.367 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 112364

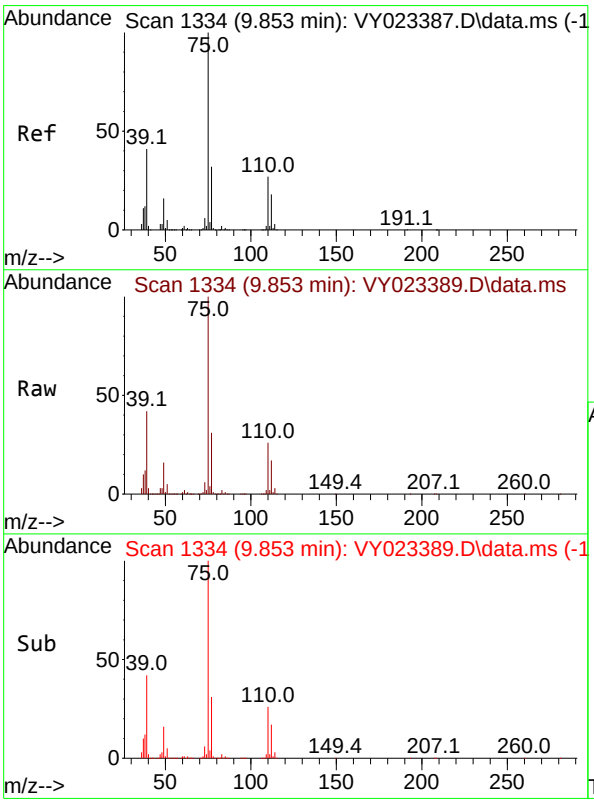
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

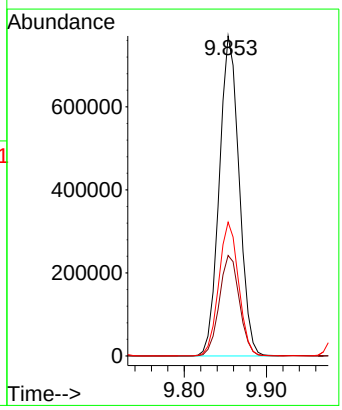
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

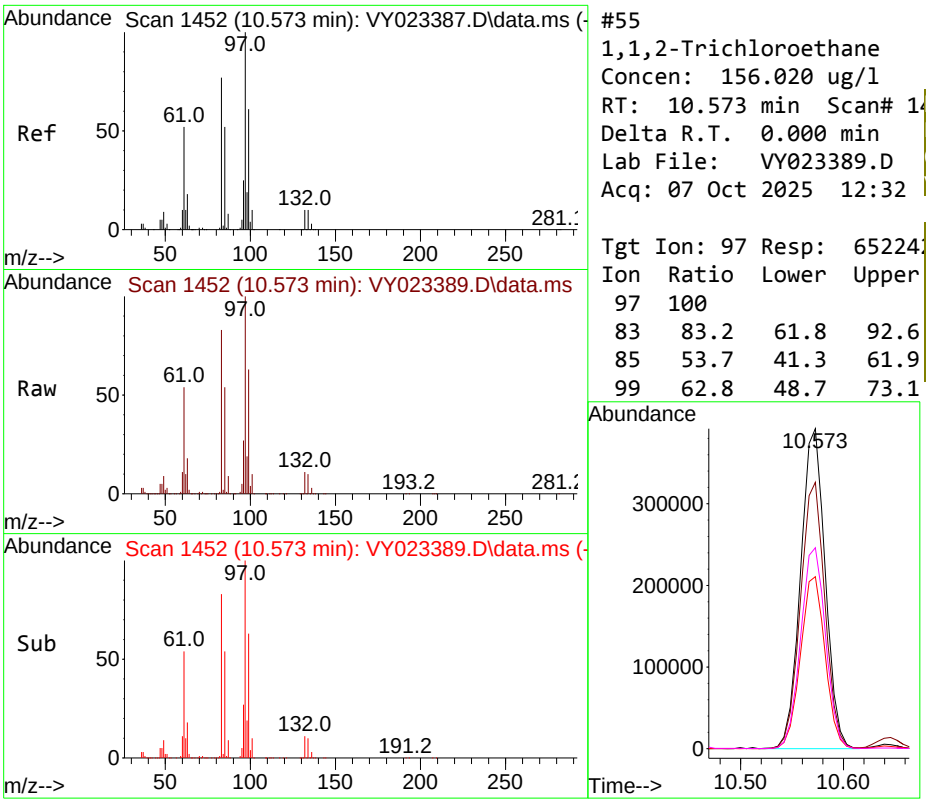


#54
cis-1,3-Dichloropropene
Concen: 159.654 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

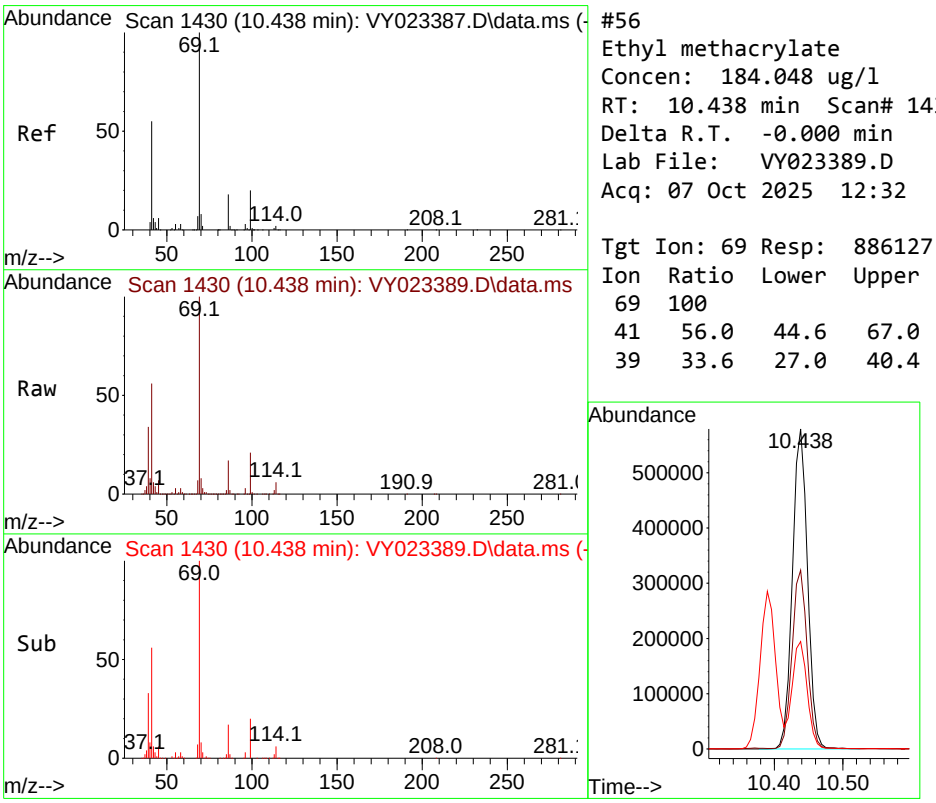
Tgt Ion: 97 Resp: 65224

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
APPROVED

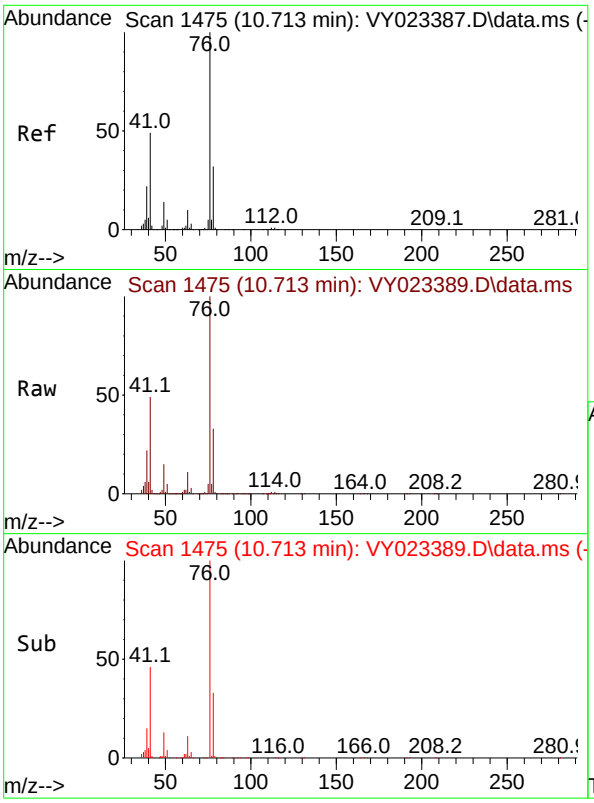
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

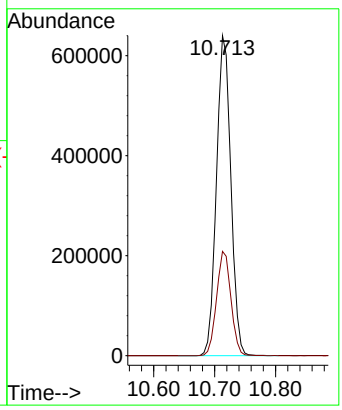
Ion	Ratio	Lower	Upper
69	100		
41	56.0	44.6	67.0
39	33.6	27.0	40.4



#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

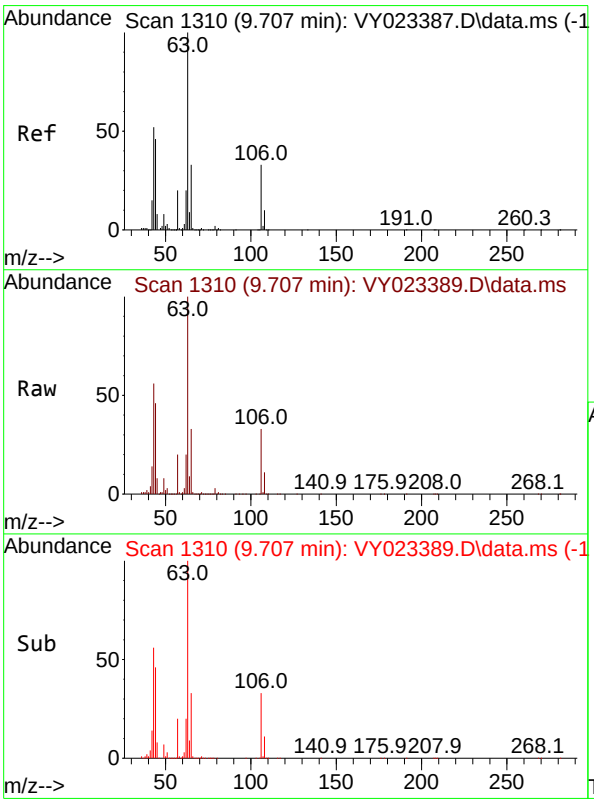
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

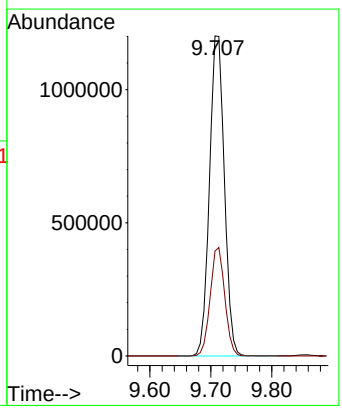
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

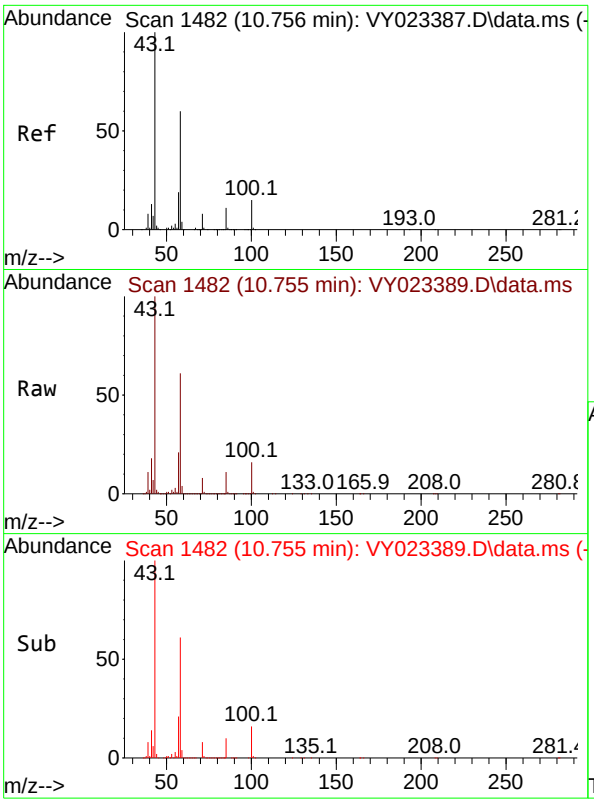


#58
2-Chloroethyl Vinyl ether
Concen: 968.559 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

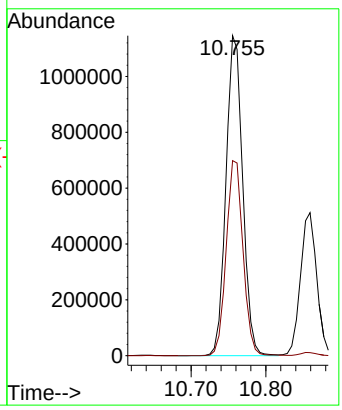
Tgt Ion: 43 Resp: 177603

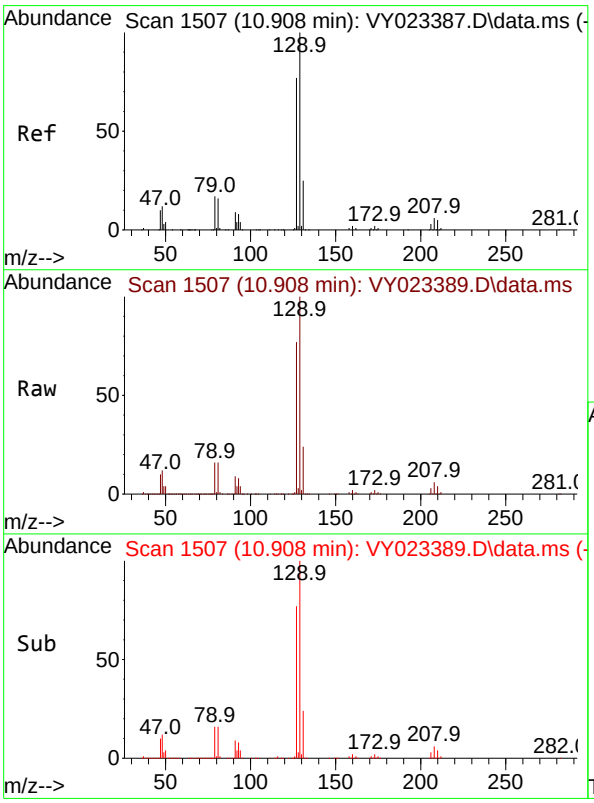
Ion	Ratio	Lower	Upper
43	100		
58	61.4	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

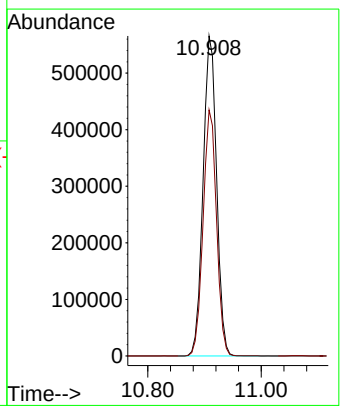


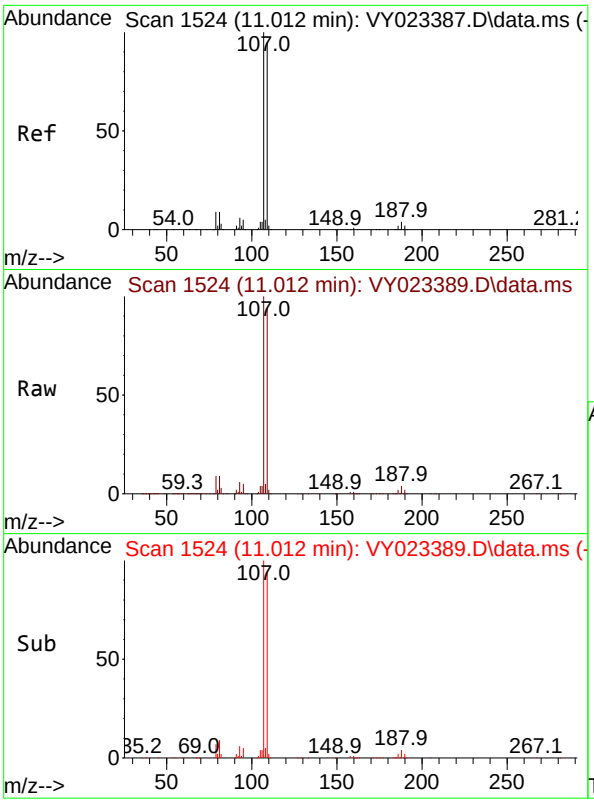


#60
Dibromochloromethane
Concen: 164.084 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:129 Resp: 935577

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.7

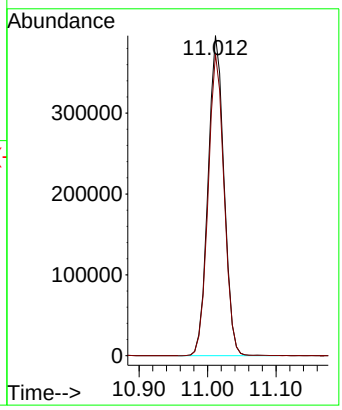




#61
1,2-Dibromoethane
Concen: 162.699 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:107 Resp: 63989

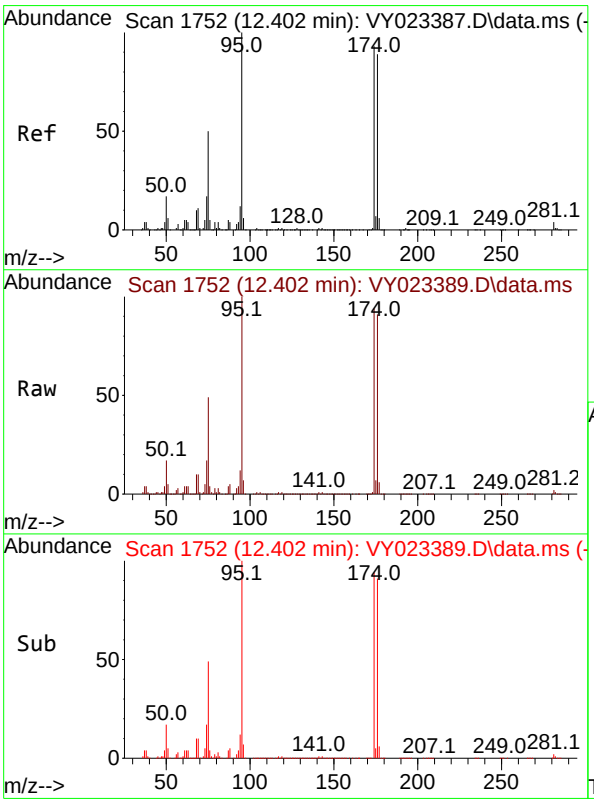
Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

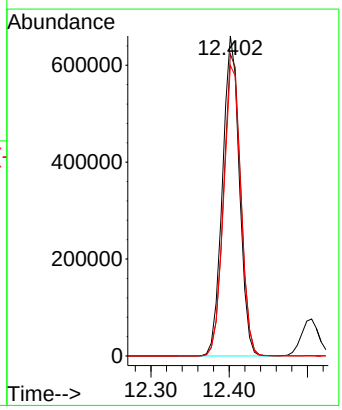
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

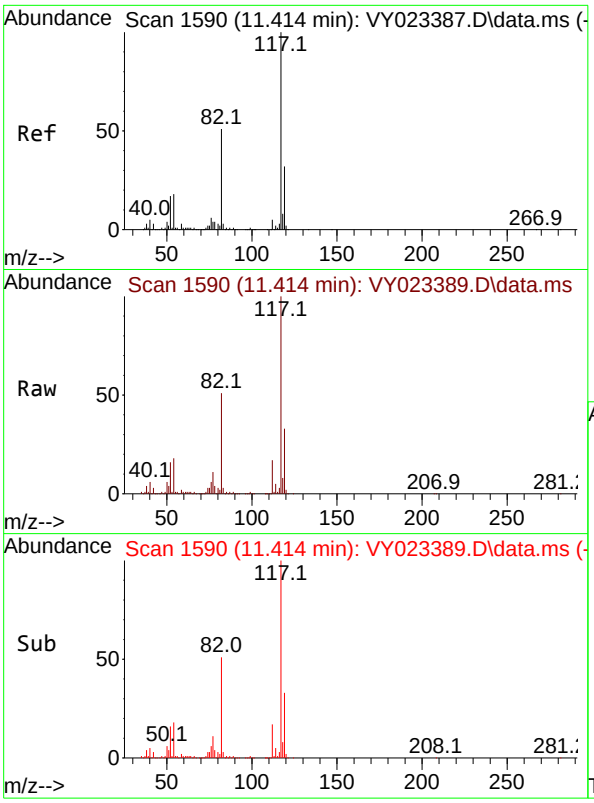


#62
4-Bromofluorobenzene
Concen: 160.423 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

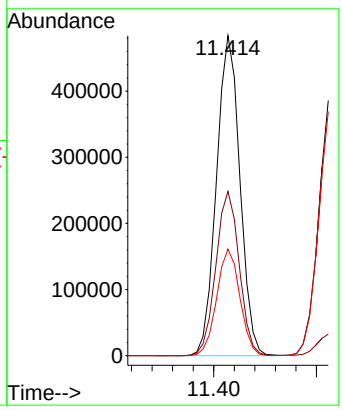




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:117 Resp: 76535

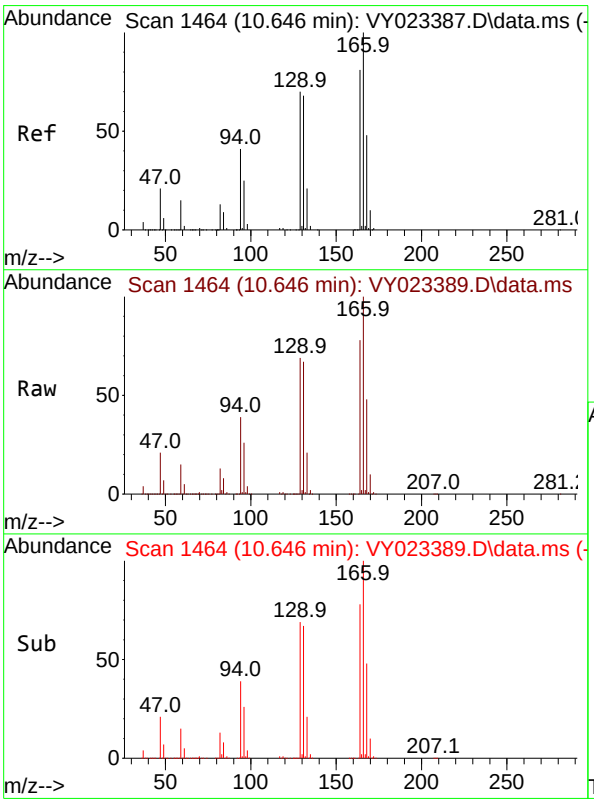
Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.0	61.4
119	33.3	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

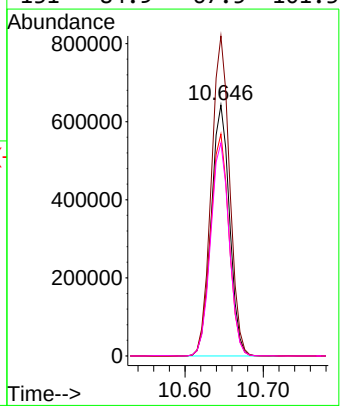
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

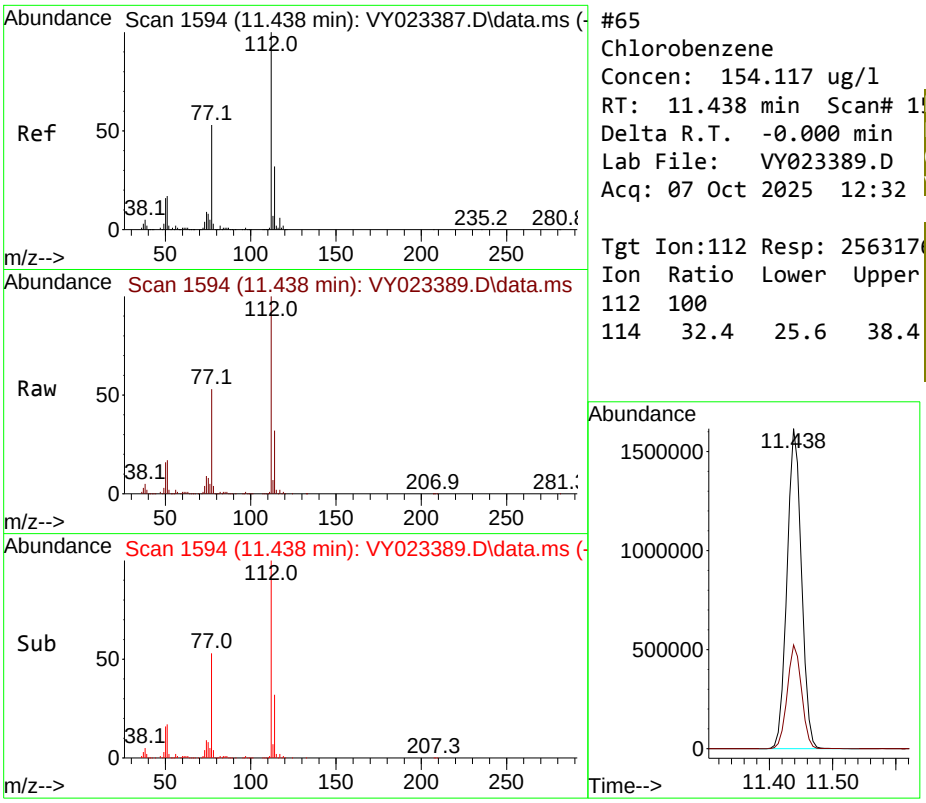


#64
Tetrachloroethene
Concen: 136.739 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

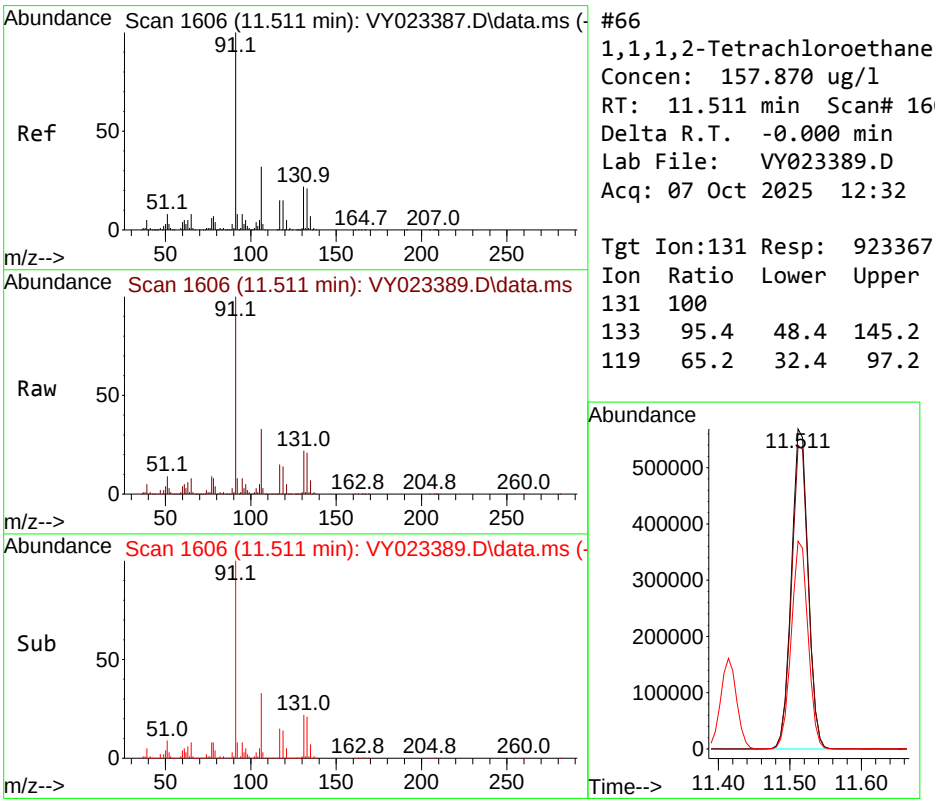
Tgt Ion:112 Resp: 256317

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

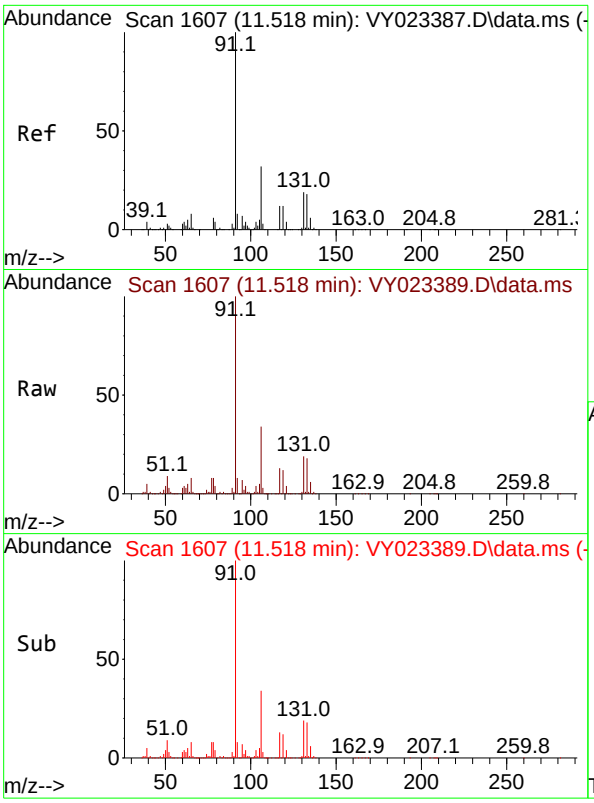
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

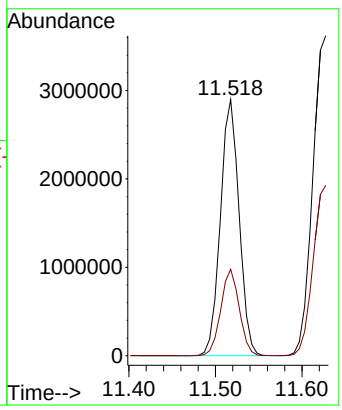
Tgt Ion: 91 Resp: 434180

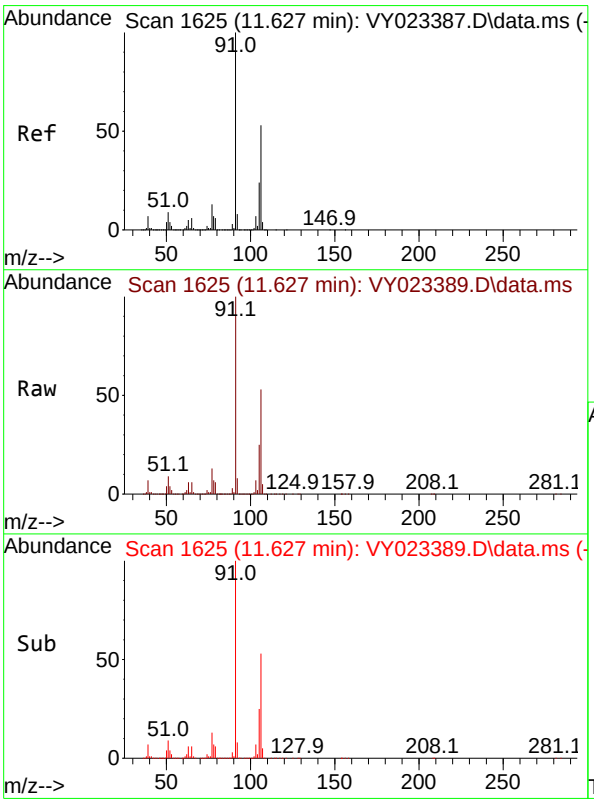
Ion	Ratio	Lower	Upper
91	100		
106	33.8	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

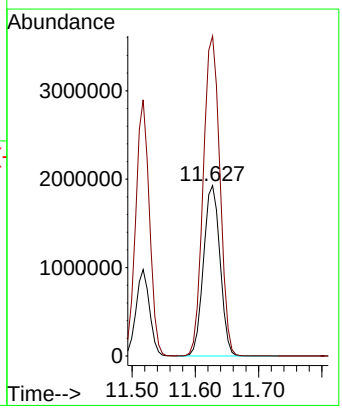


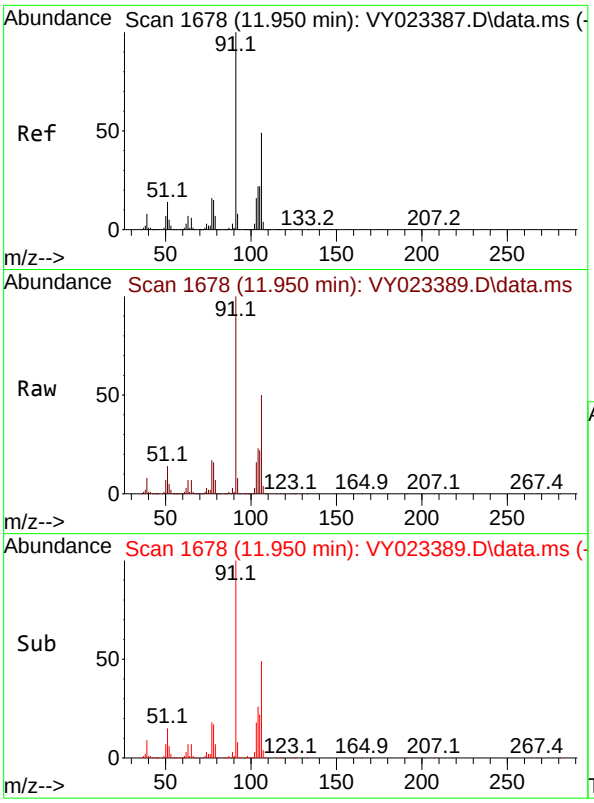


#68
m/p-Xylenes
Concen: 321.899 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:106 Resp: 3502137

Ion	Ratio	Lower	Upper
106	100		
91	189.2	152.6	229.0

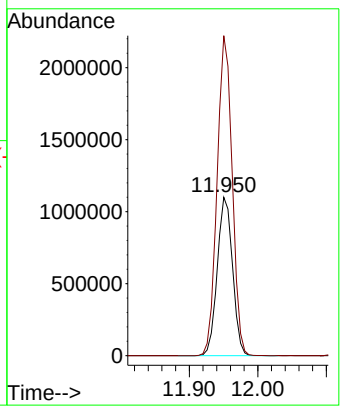




#69
o-Xylene
Concen: 168.295 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:106 Resp: 169498

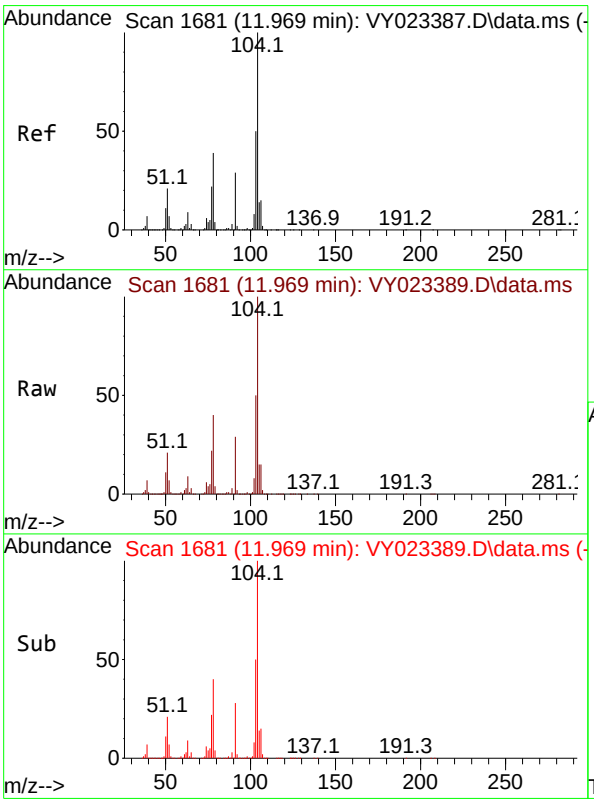
Ion	Ratio	Lower	Upper
106	100		
91	200.0	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

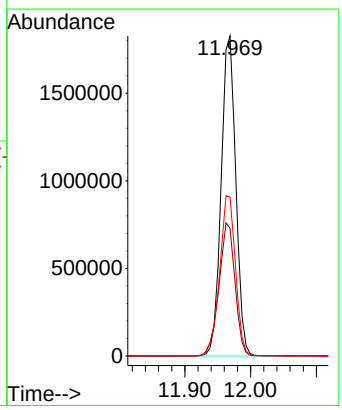
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

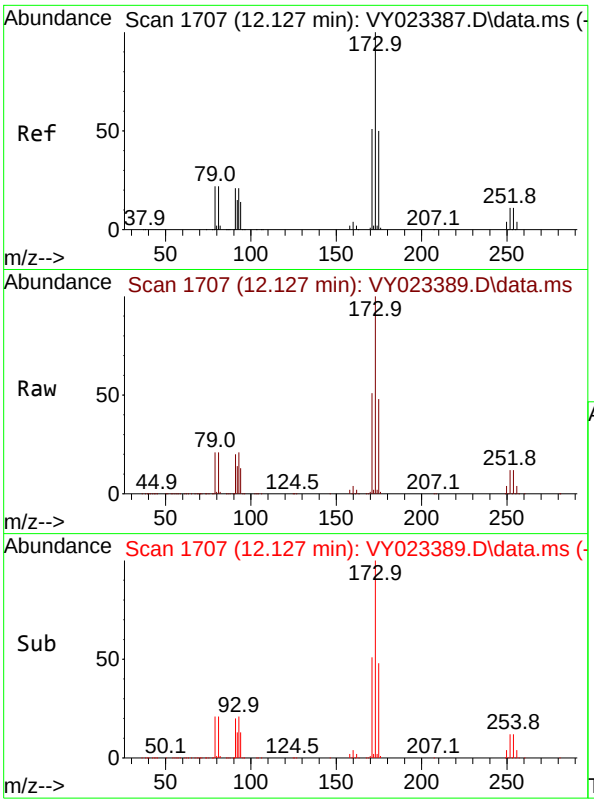


#70
Styrene
Concen: 170.203 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

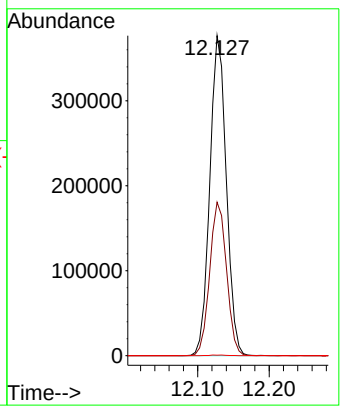




#71
Bromoform
Concen: 172.115 ug/l
RT: 12.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:173 Resp: 60264

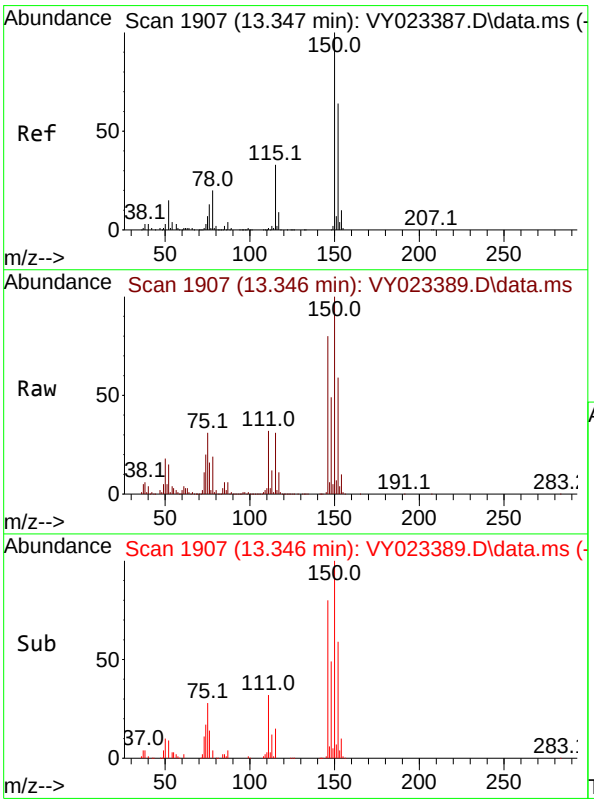
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

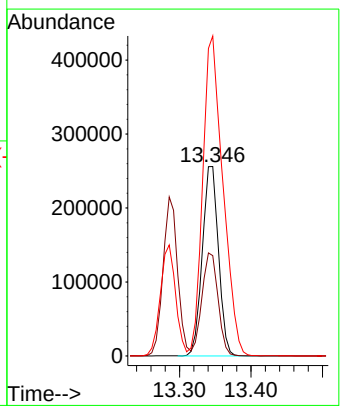
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

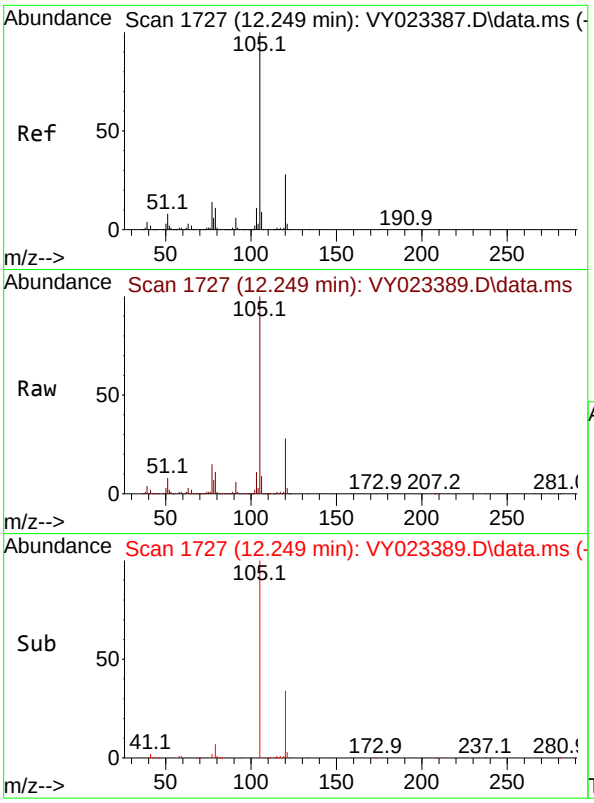


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

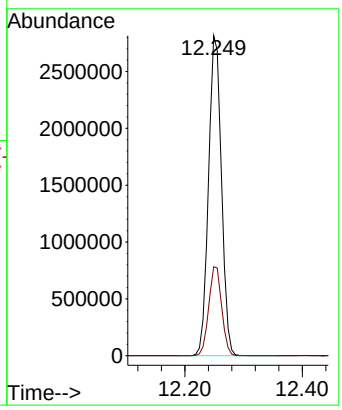




#73
Isopropylbenzene
Concen: 160.084 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 429066

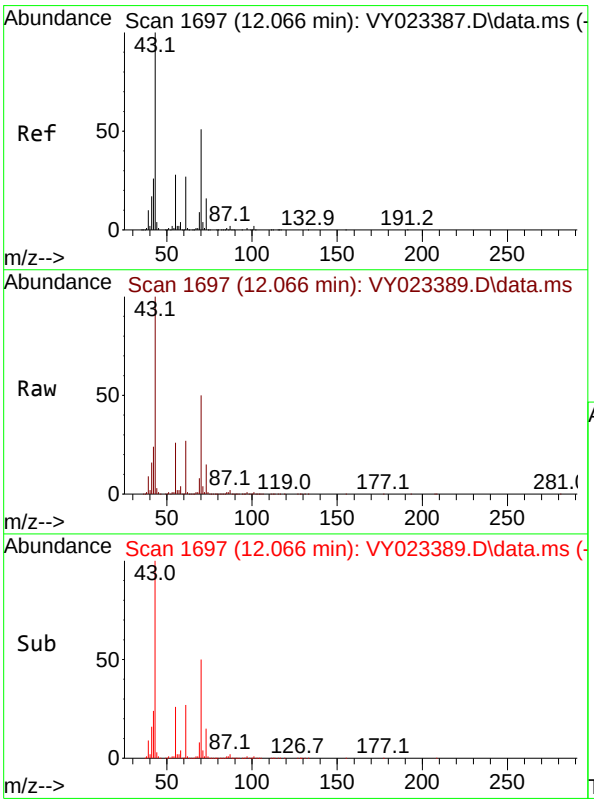
Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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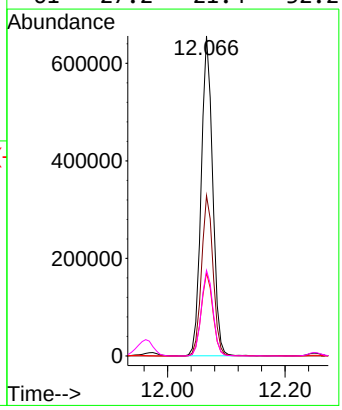
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

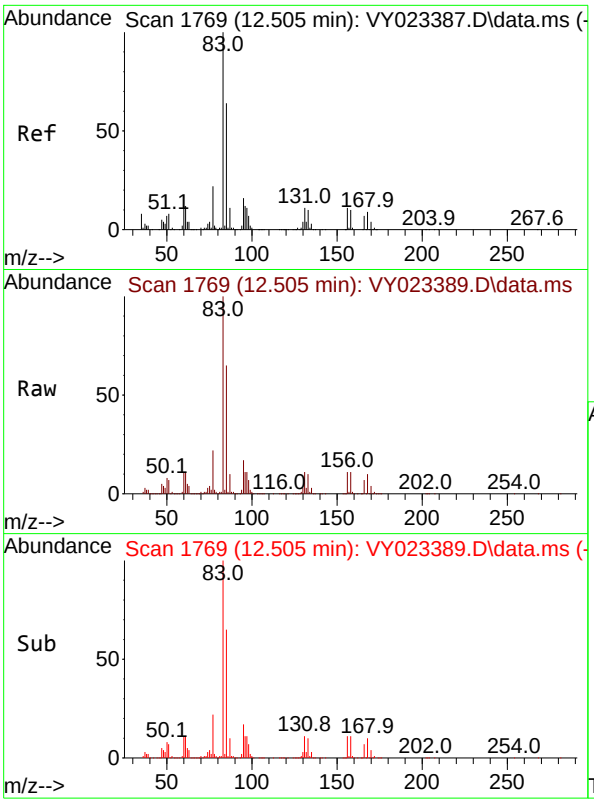


#74
N-amyl acetate
Concen: 177.866 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

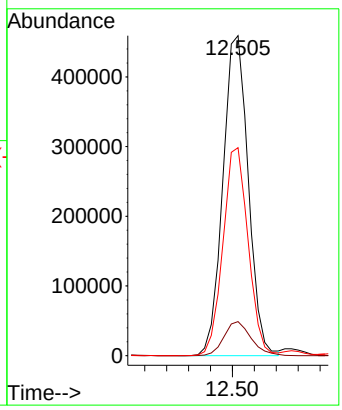




#75
1,1,2,2-Tetrachloroethane
Concen: 165.010 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 83 Resp: 73777

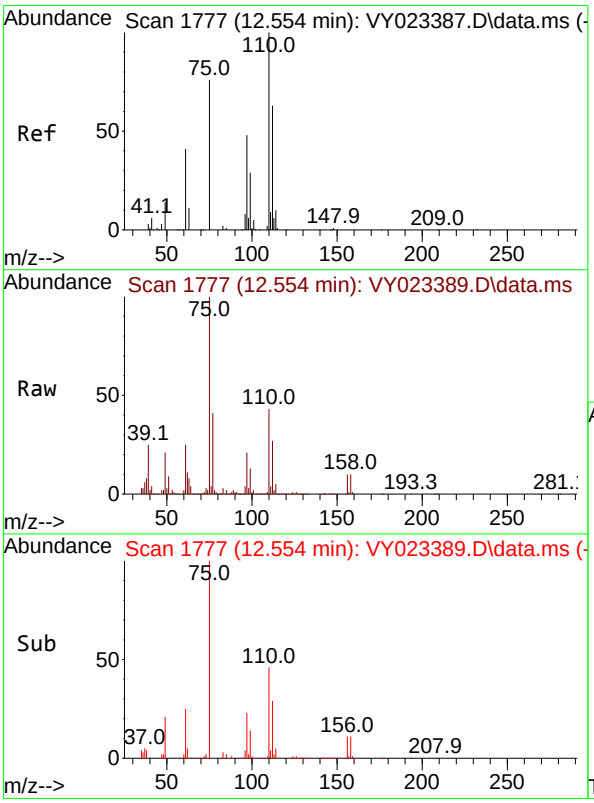
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.9	17.6
85	64.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

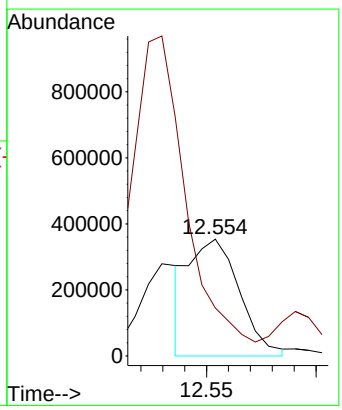
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

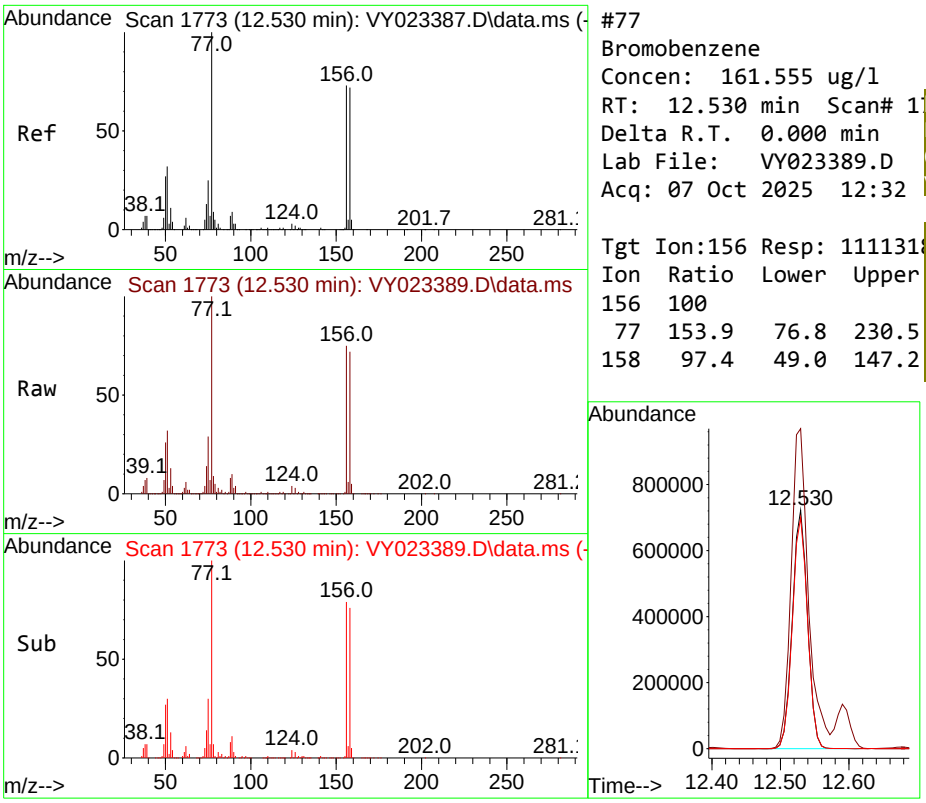


#76
1,2,3-Trichloropropane
Concen: 142.542 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

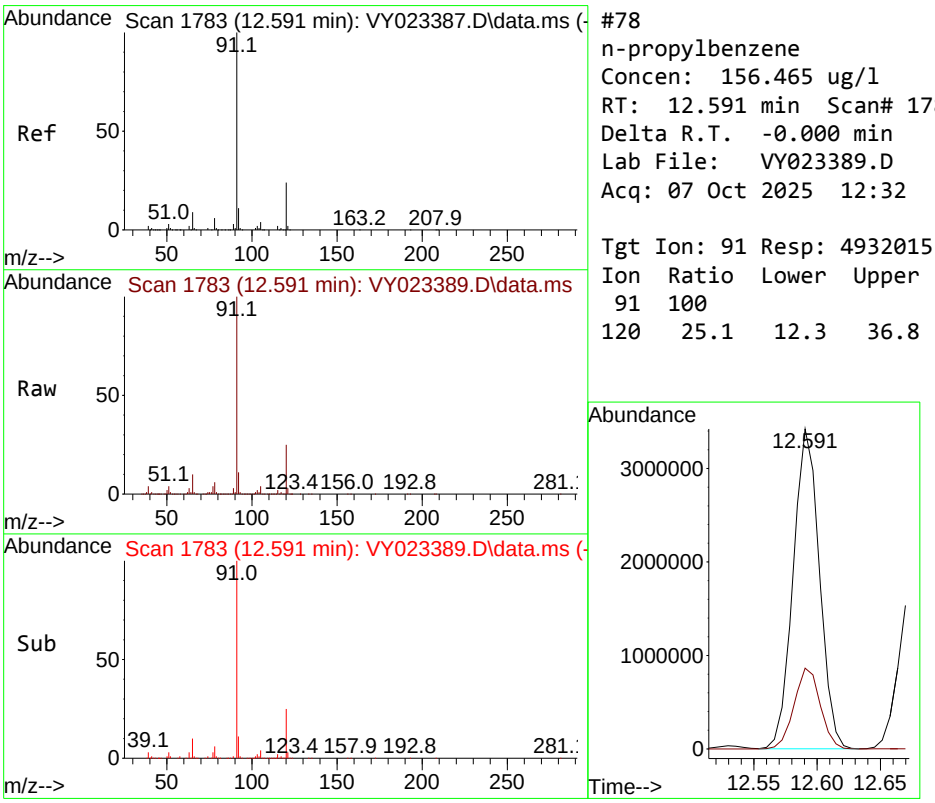
Tgt Ion:156 Resp: 111131

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
APPROVED

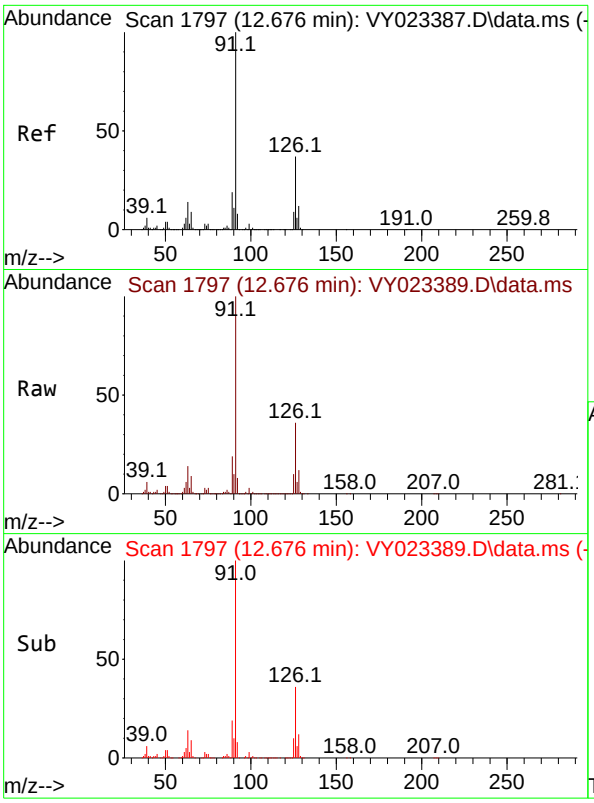
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

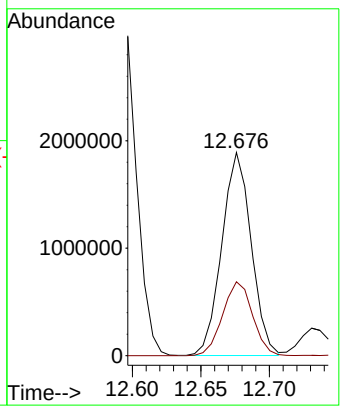
Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8



#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

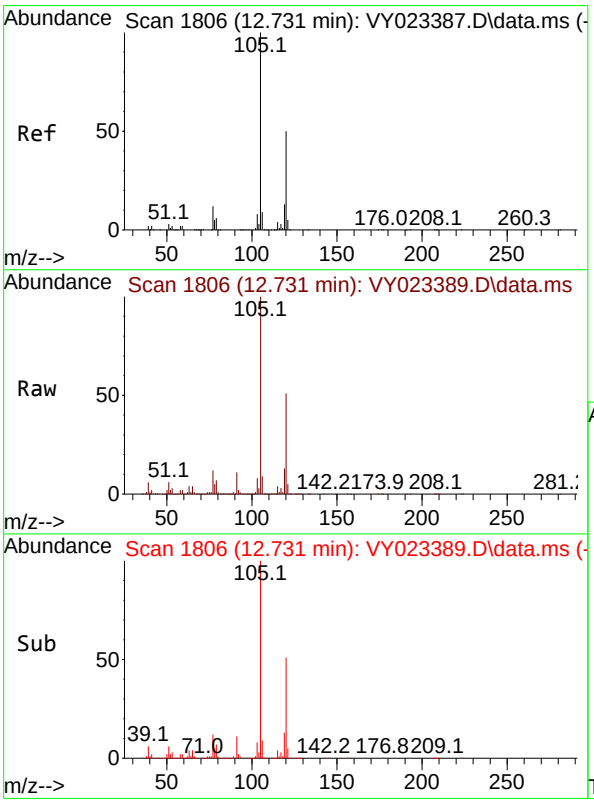
Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

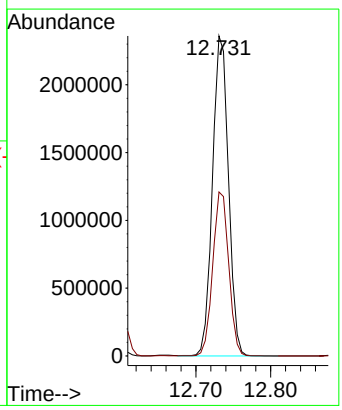
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

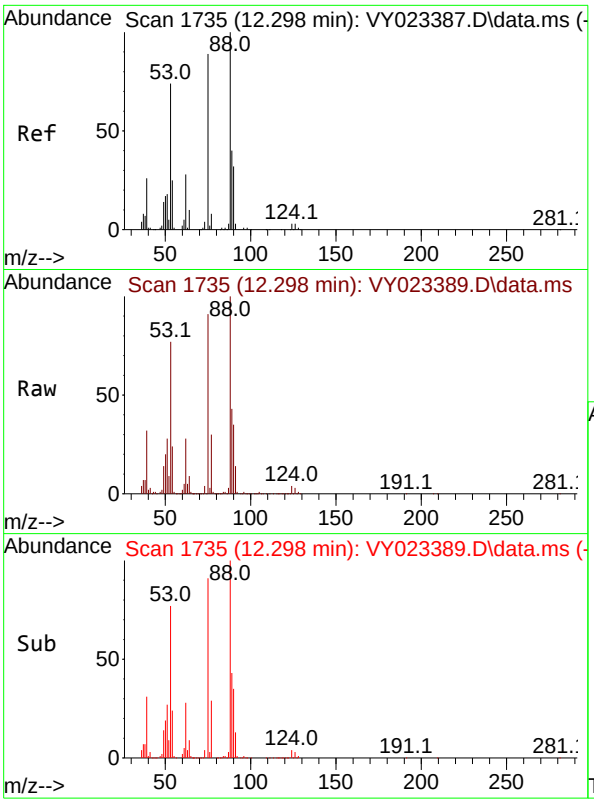


#80
1,3,5-Trimethylbenzene
Concen: 160.460 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 3496249

Ion	Ratio	Lower	Upper
105	100		
120	51.4	25.4	76.4

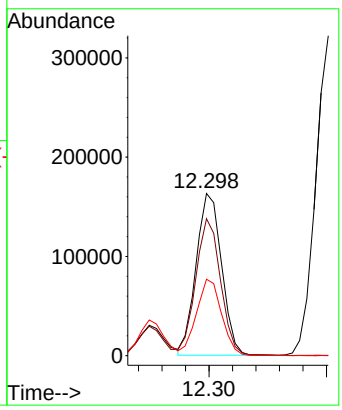




#81
trans-1,4-Dichloro-2-butene
Concen: 166.570 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 75 Resp: 24519

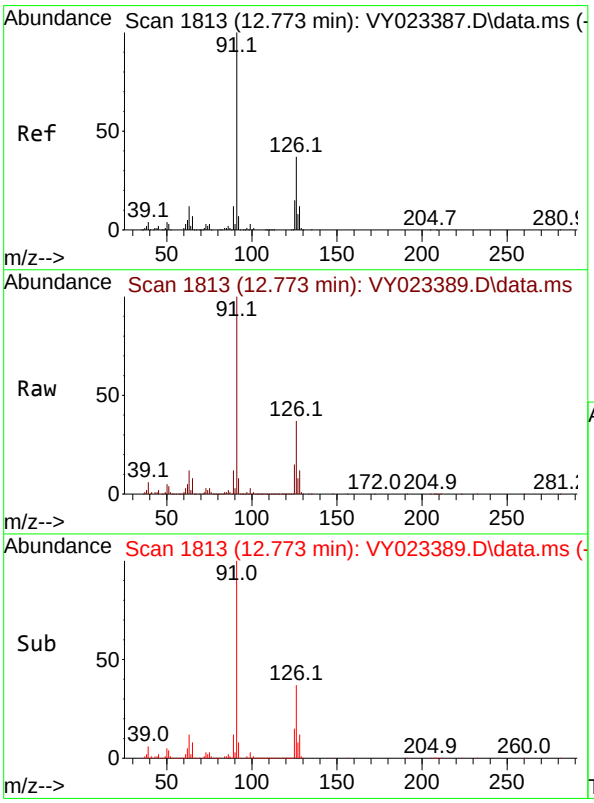
Ion	Ratio	Lower	Upper
75	100		
53	83.6	68.6	102.8
89	46.8	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

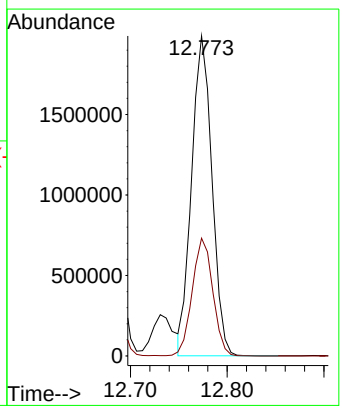
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

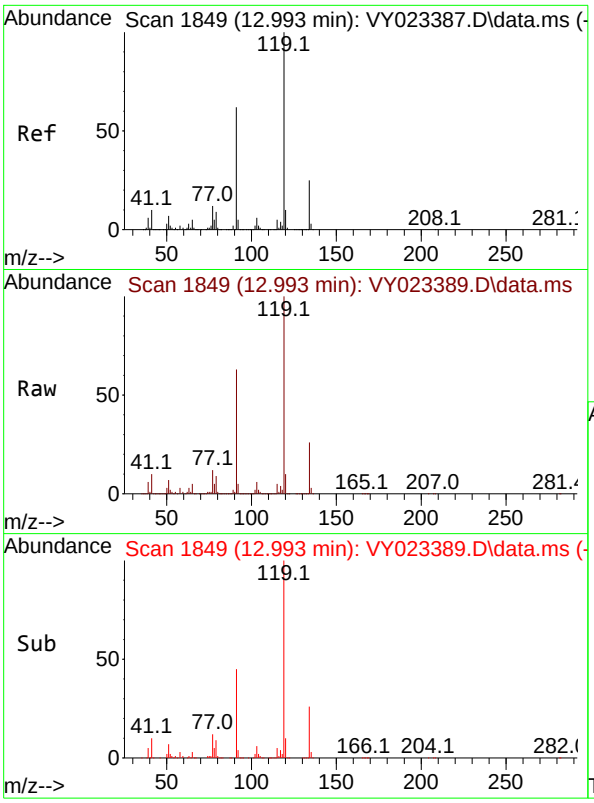


#82
4-Chlorotoluene
Concen: 152.701 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 2902371

Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.4	55.4

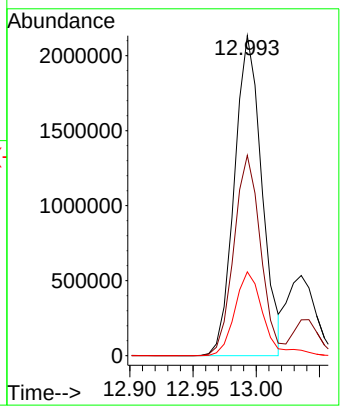




#83
tert-Butylbenzene
Concen: 162.197 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:119 Resp: 322038

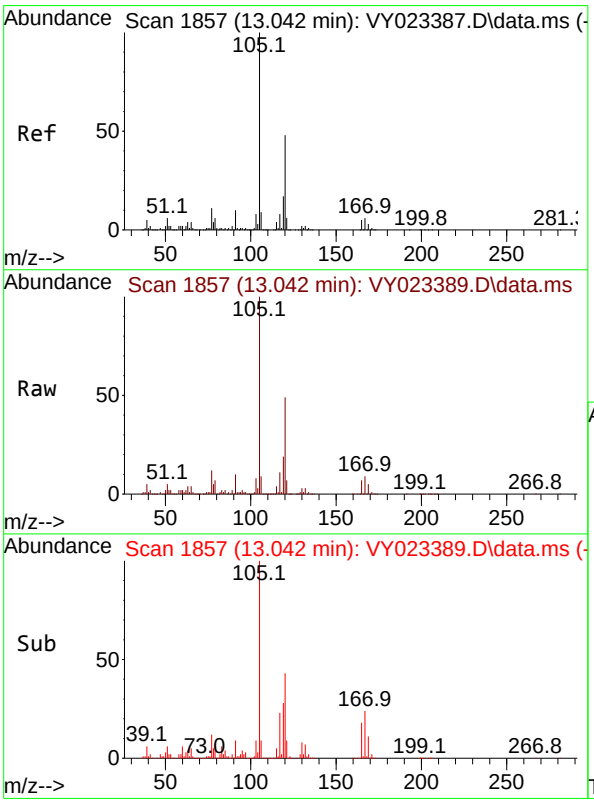
Ion	Ratio	Lower	Upper
119	100		
91	61.6	29.9	89.8
134	27.4	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

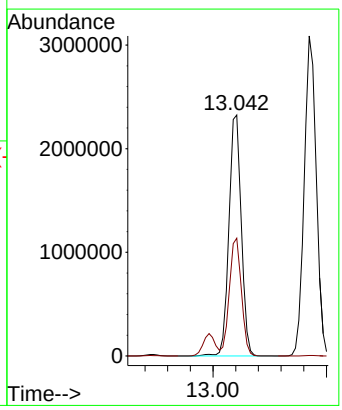
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

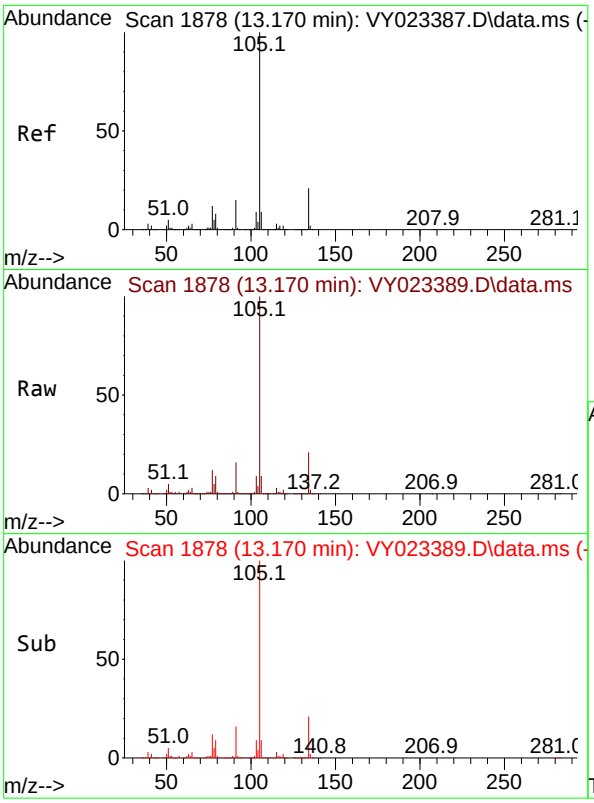


#84
1,2,4-Trimethylbenzene
Concen: 162.527 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 3503639

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.8	71.2

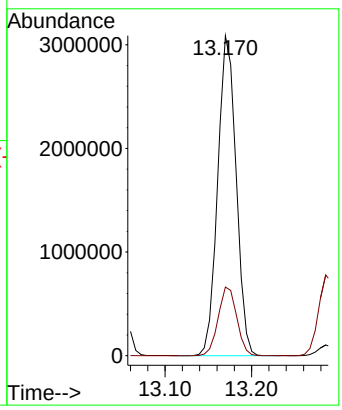




#85
sec-Butylbenzene
Concen: 158.609 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:105 Resp: 456071

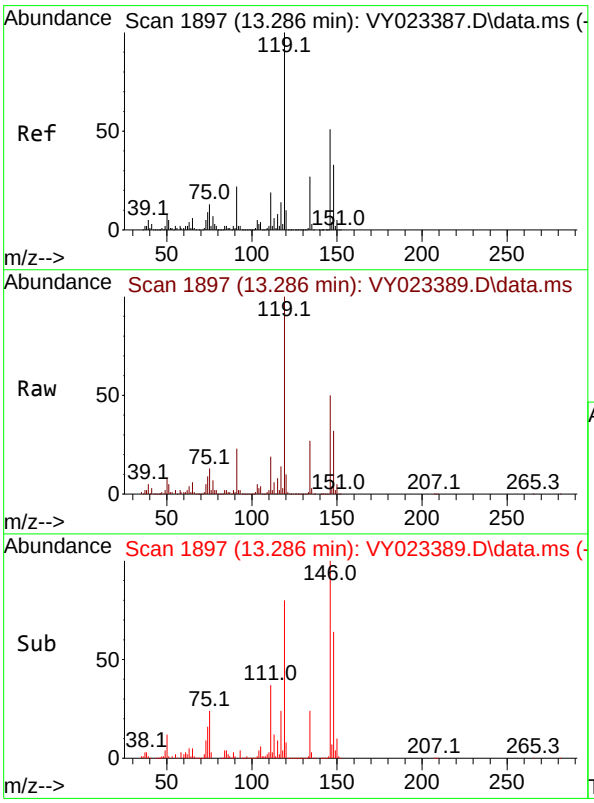
Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

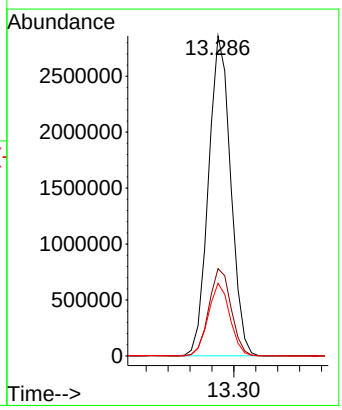
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

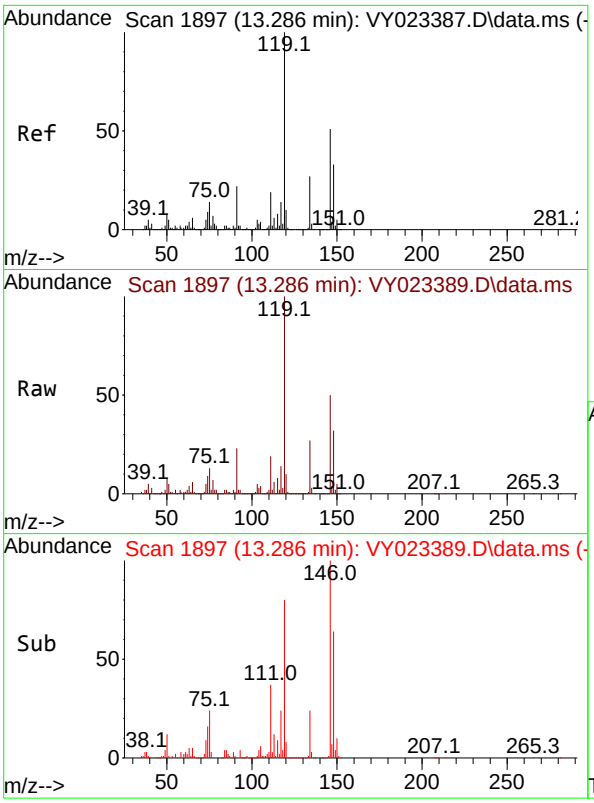


#86
p-Isopropyltoluene
Concen: 165.622 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

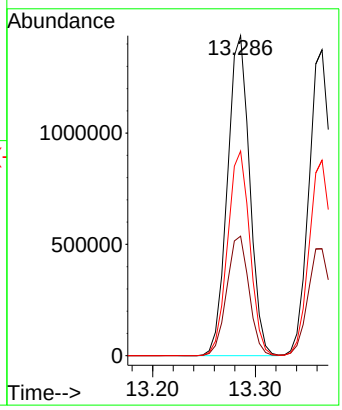




#87
1,3-Dichlorobenzene
Concen: 159.350 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:146 Resp: 216527

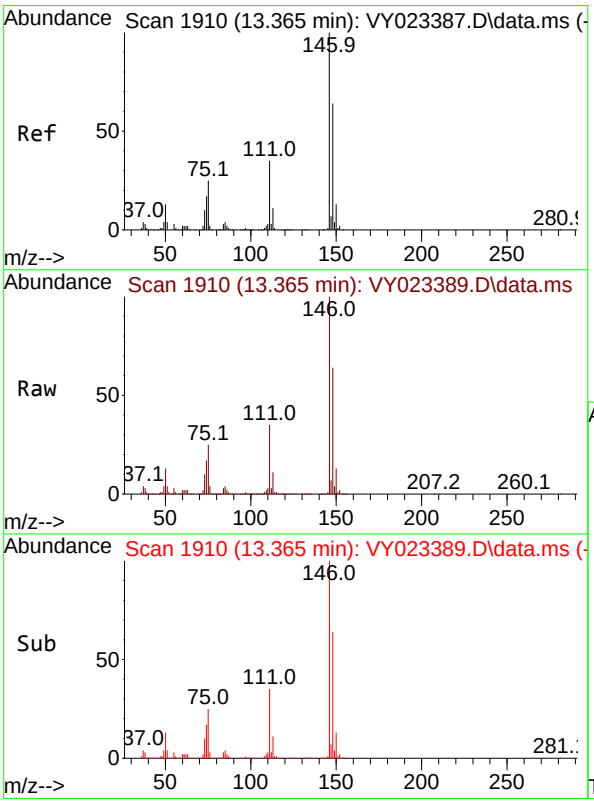
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.0	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

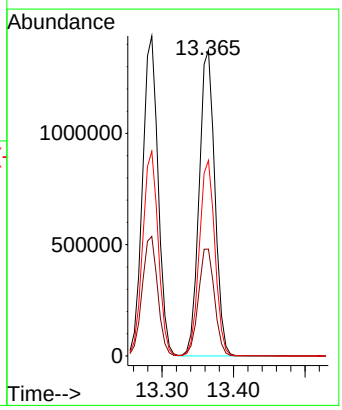
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

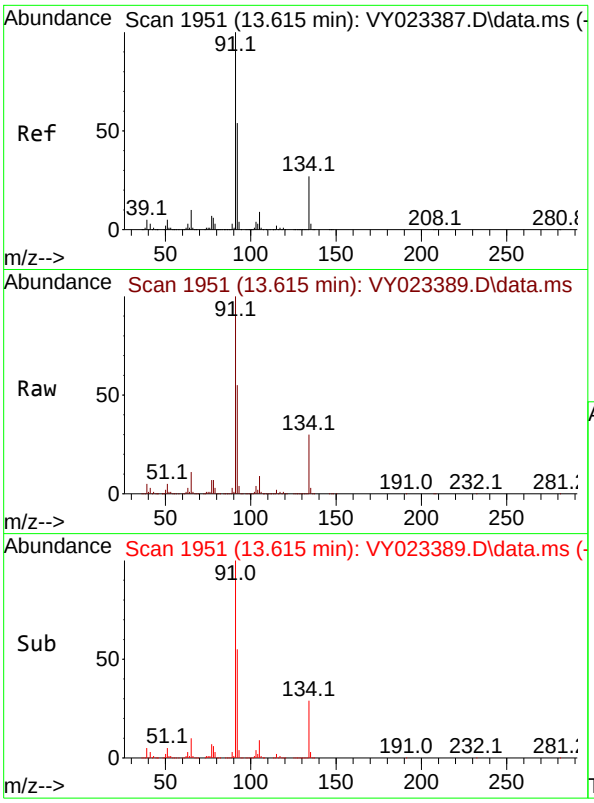


#88
1,4-Dichlorobenzene
Concen: 155.104 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

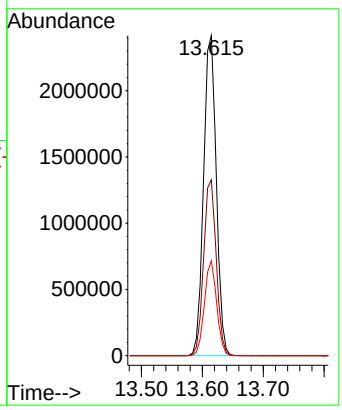




#89
n-Butylbenzene
Concen: 163.379 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion: 91 Resp: 350571

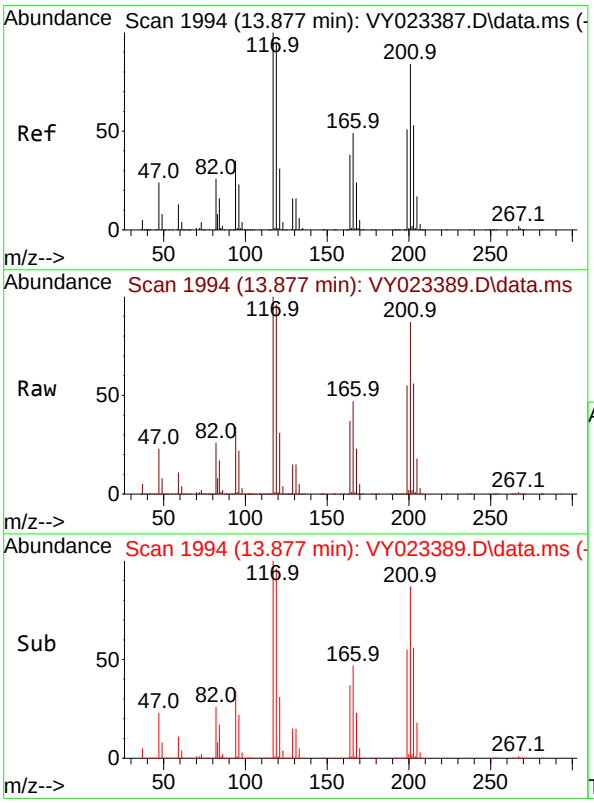
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.0	80.8
134	28.6	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

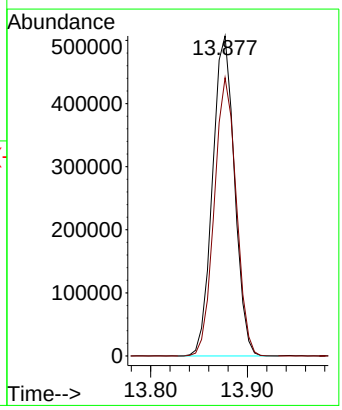
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

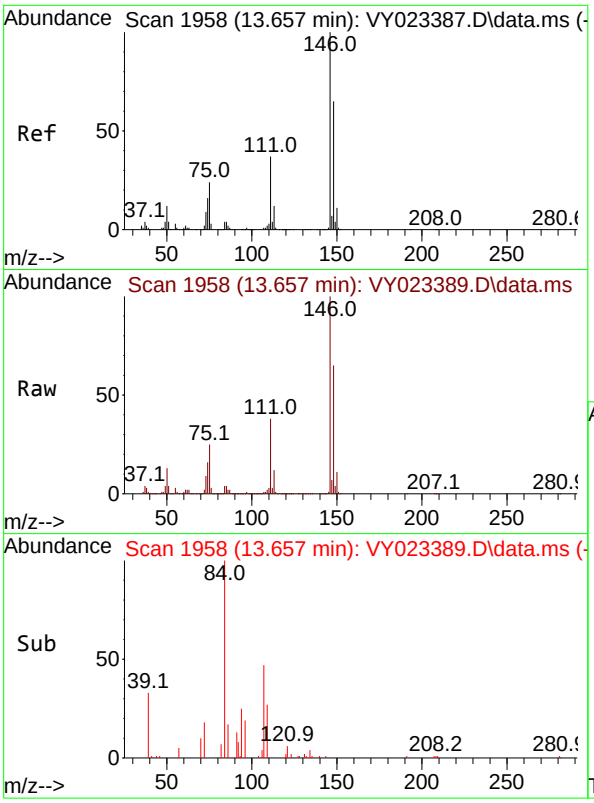


#90
Hexachloroethane
Concen: 151.487 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:117 Resp: 799264

Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.8	131.4

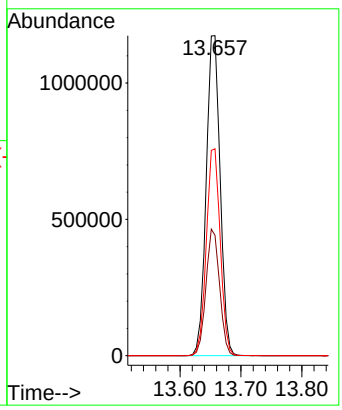




#91
1,2-Dichlorobenzene
Concen: 157.101 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:146 Resp: 186269

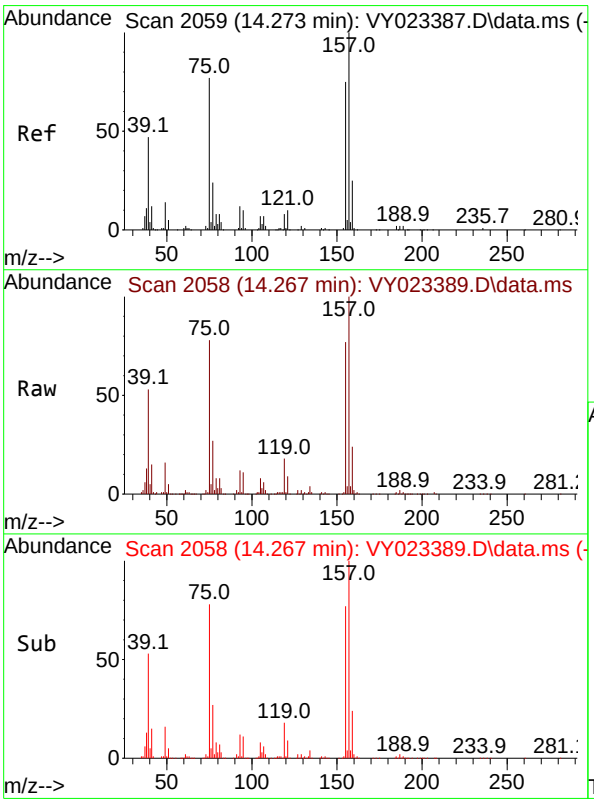
Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.5	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

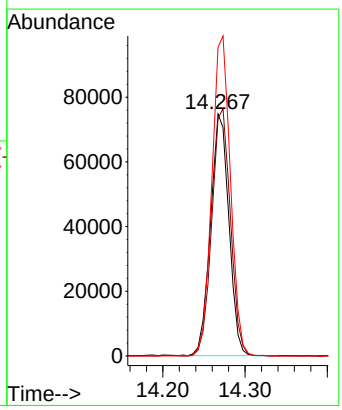
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

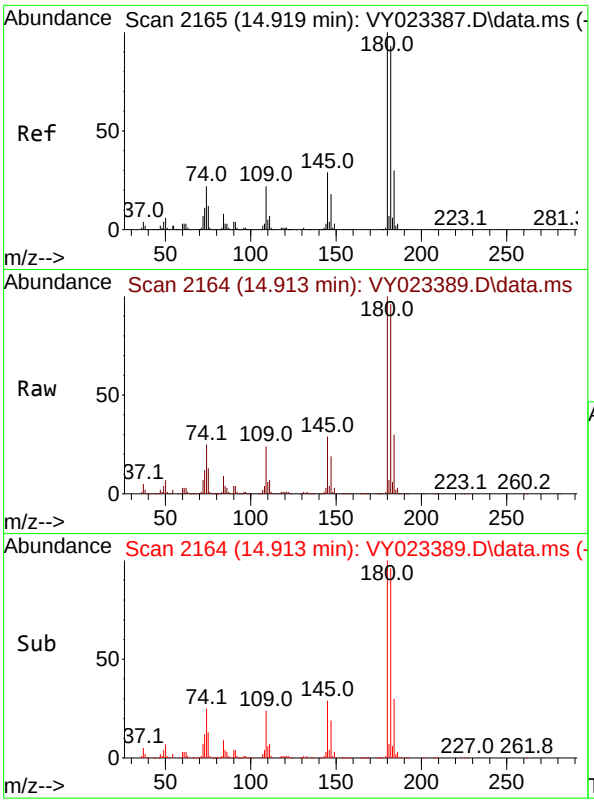


#92
1,2-Dibromo-3-Chloropropane
Concen: 164.099 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

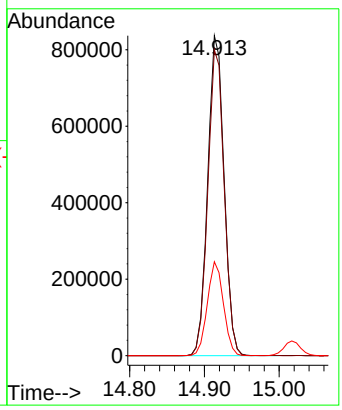




#93
1,2,4-Trichlorobenzene
Concen: 182.183 ug/l
RT: 14.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:180 Resp: 127262

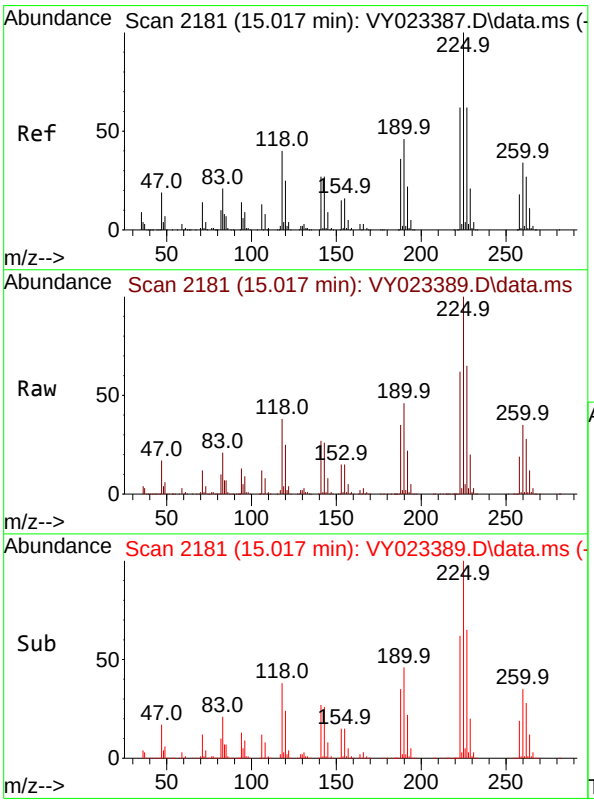
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	28.9	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

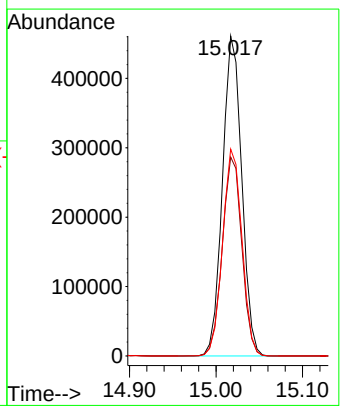
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

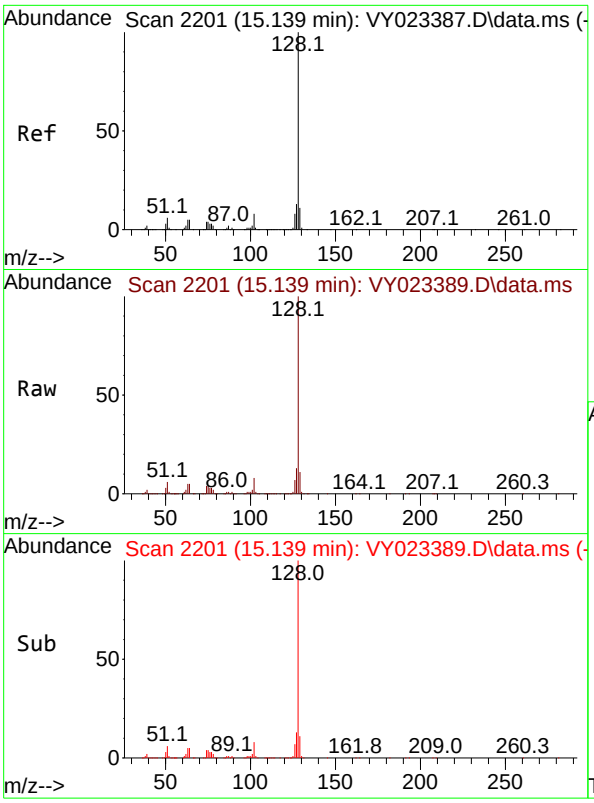


#94
Hexachlorobutadiene
Concen: 163.518 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

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

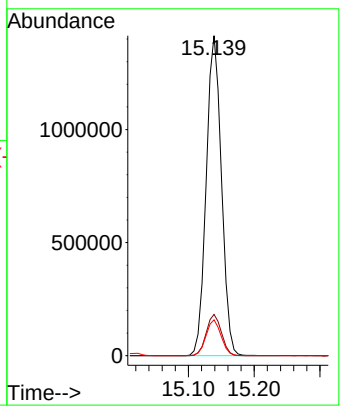




#95
Naphthalene
Concen: 204.639 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023389.D
Acq: 07 Oct 2025 12:32

Tgt Ion:128 Resp: 227754

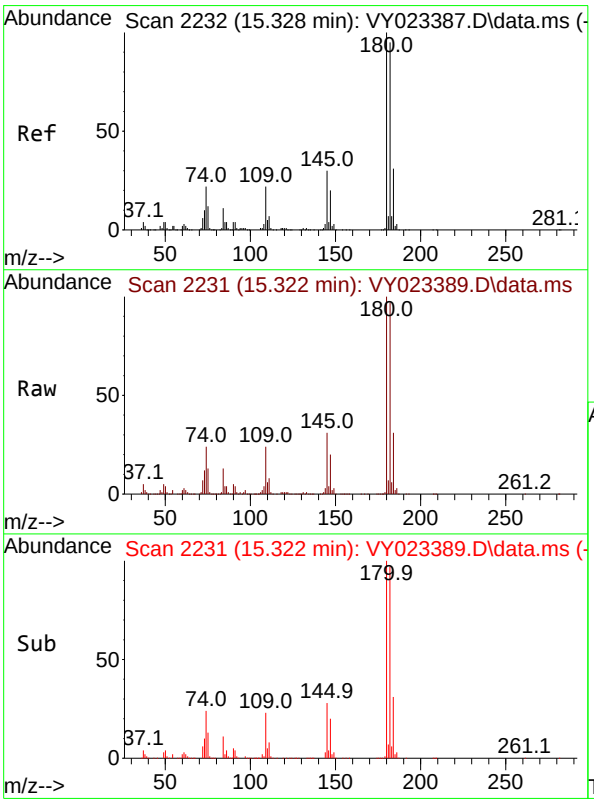
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

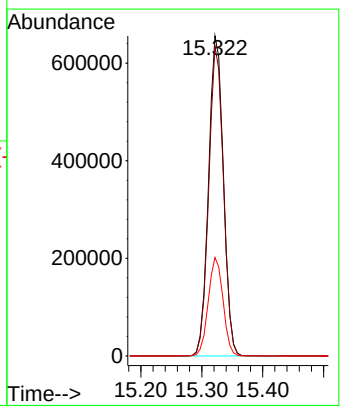
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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)

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)
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

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

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

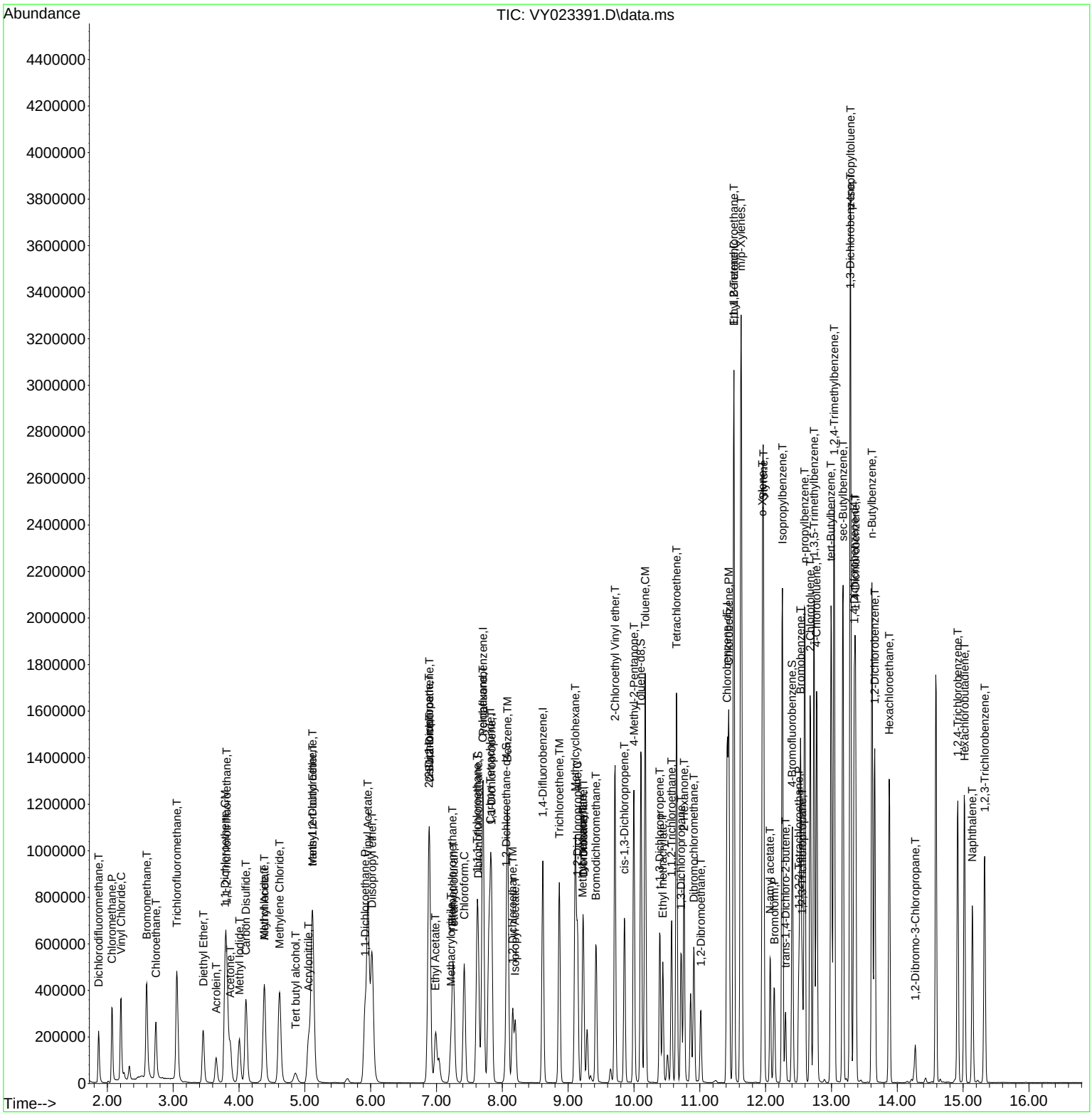
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Data File : VY023391.D
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Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

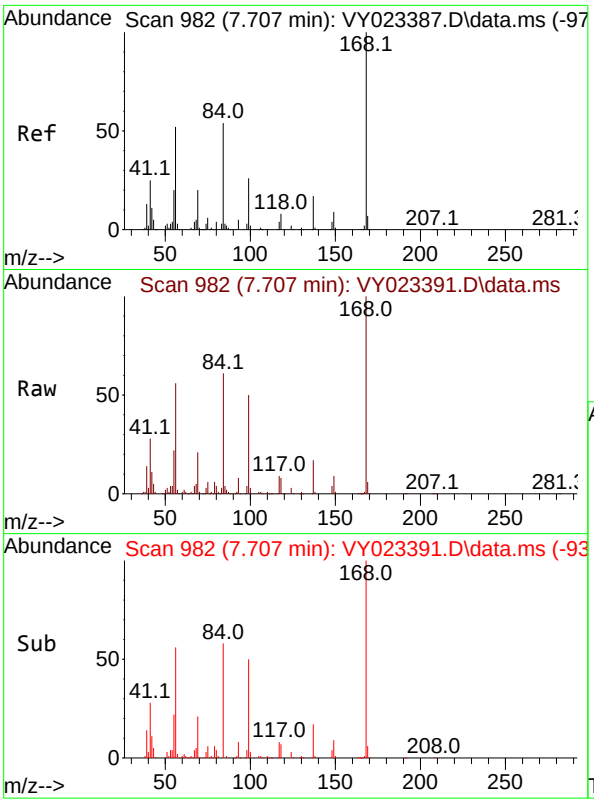
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

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

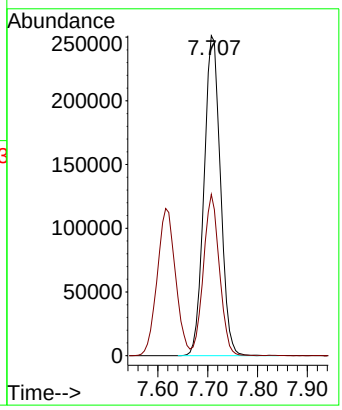




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:168 Resp: 57433

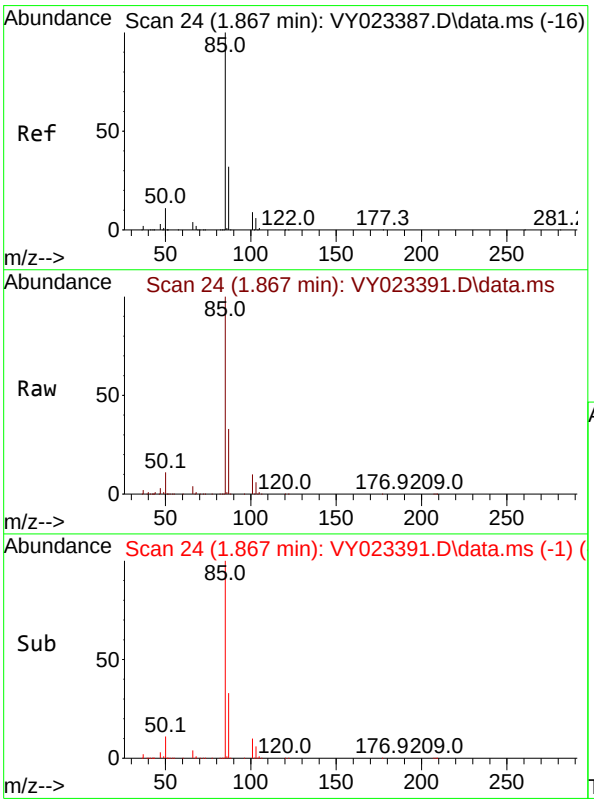
Ion	Ratio	Lower	Upper
168	100		
99	50.4	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

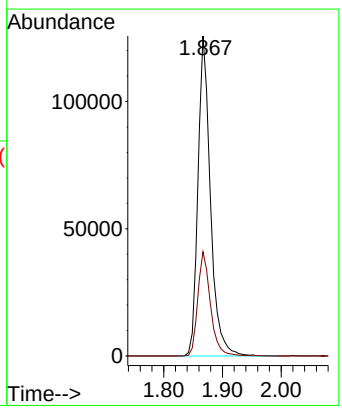
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

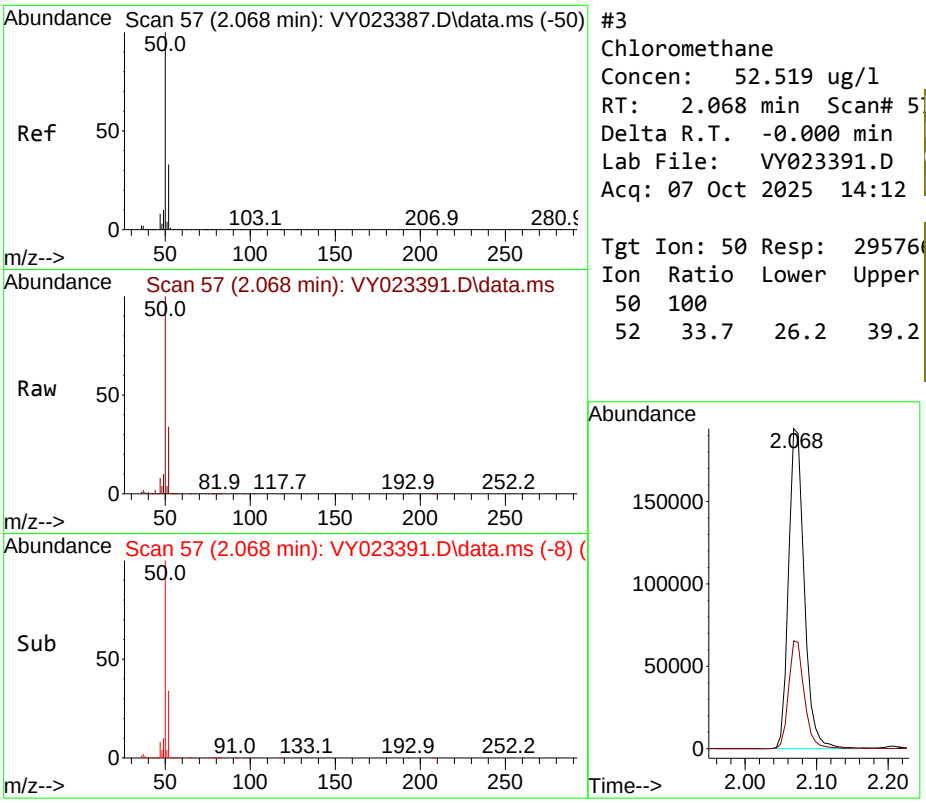


#2
Dichlorodifluoromethane
Concen: 44.916 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

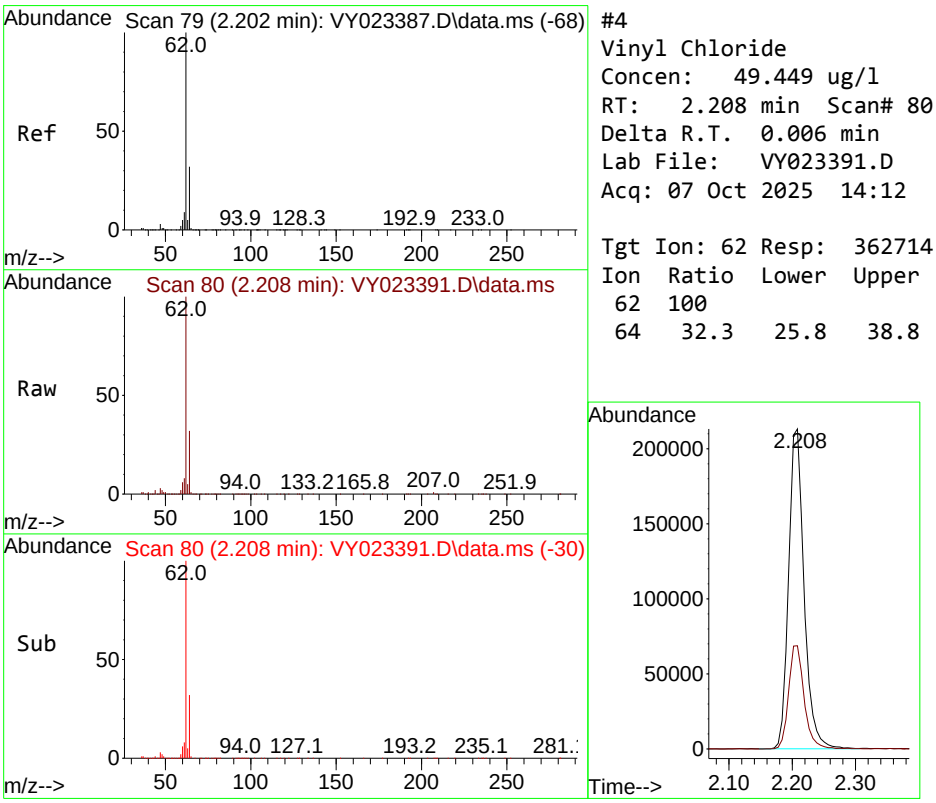
Tgt Ion: 50 Resp: 29576

Ion	Ratio	Lower	Upper
50	100		
52	33.7	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

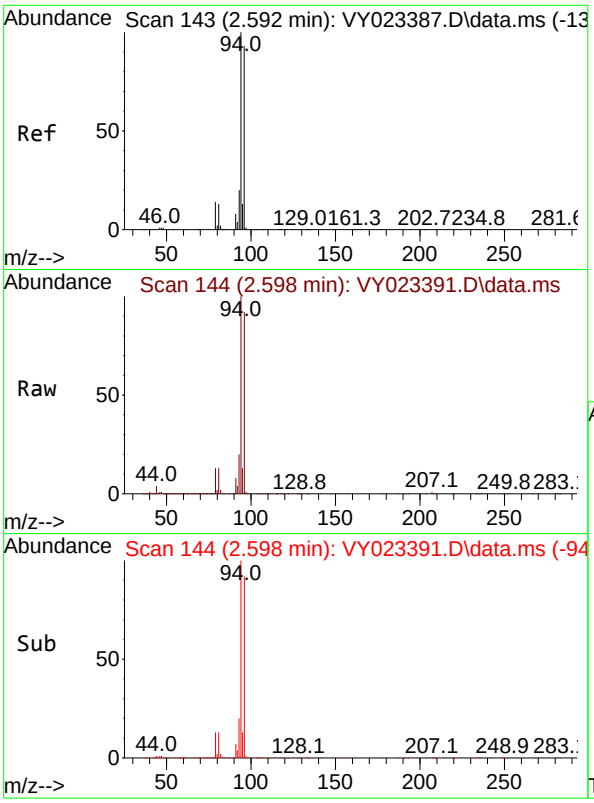
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

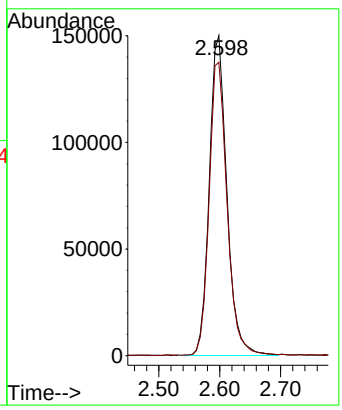
Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.8	38.8



#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

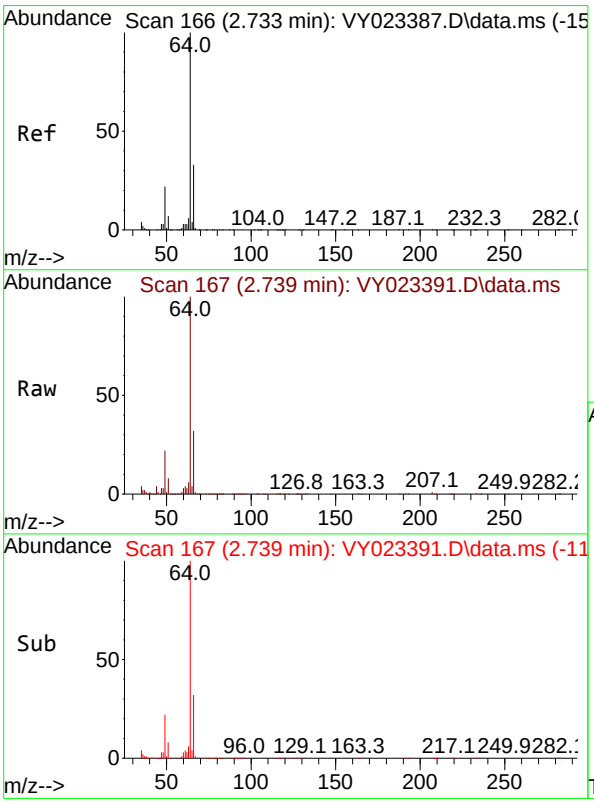
Ion	Ratio	Lower	Upper
94	100		
96	91.5	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

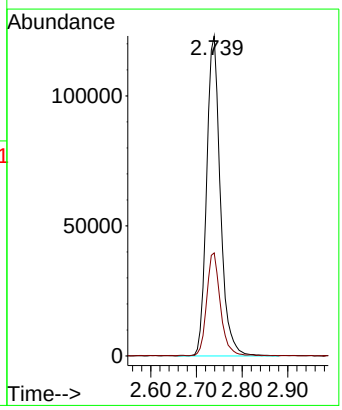
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

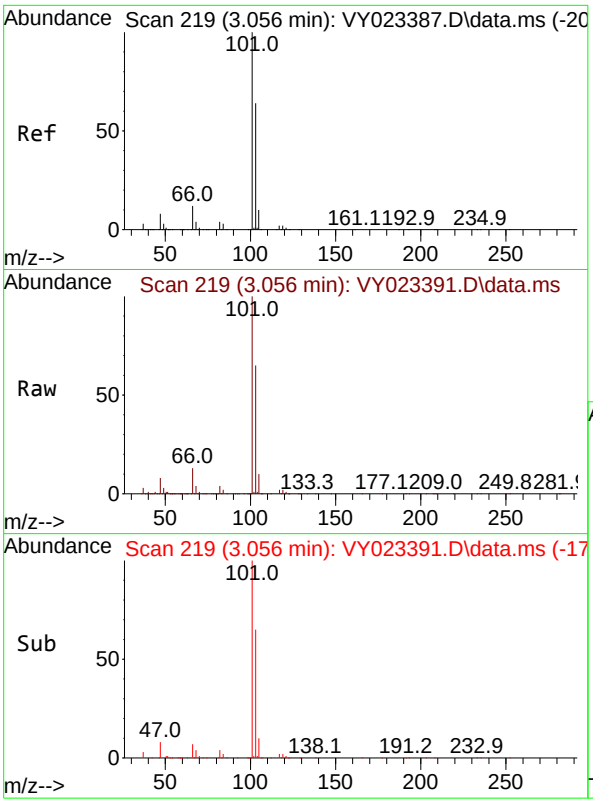


#6
Chloroethane
Concen: 51.367 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 64 Resp: 256831

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.2	39.4

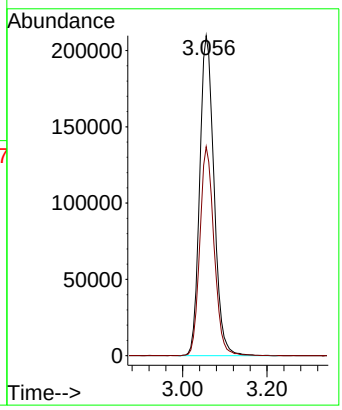




#7
Trichlorofluoromethane
Concen: 48.582 ug/l
RT: 3.056 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:101 Resp: 49478

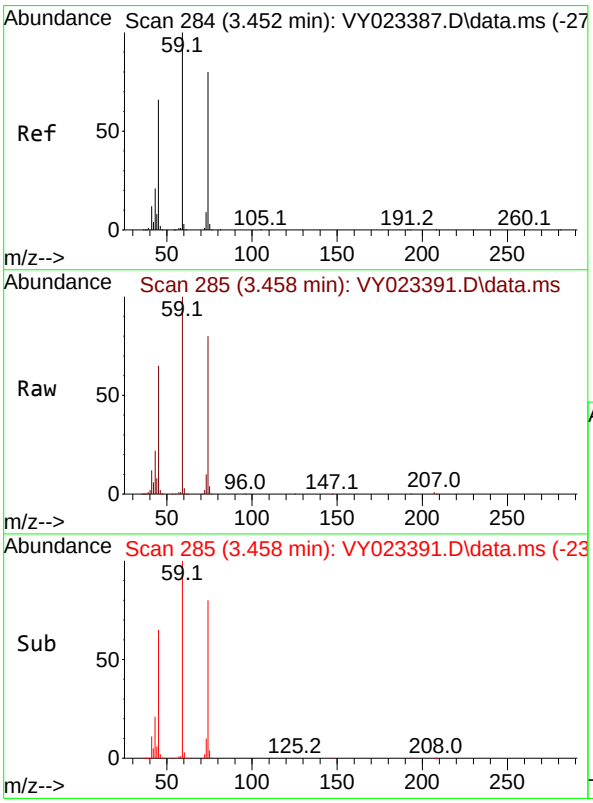
Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

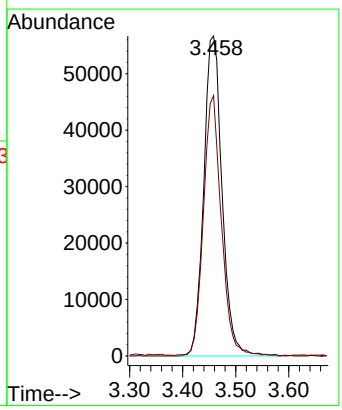
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

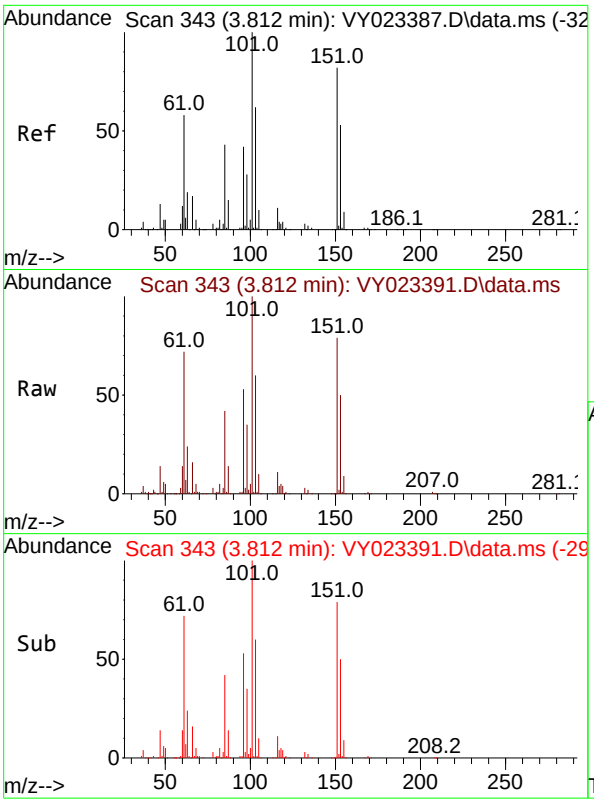


#8
Diethyl Ether
Concen: 51.050 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 74 Resp: 135857

Ion	Ratio	Lower	Upper
74	100		
45	80.1	39.9	119.7

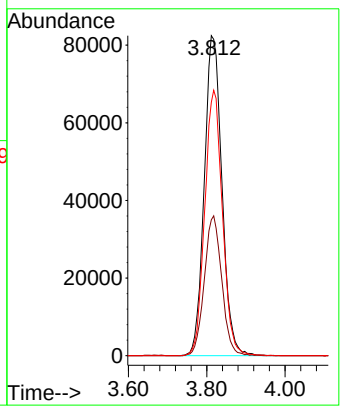




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.728 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:101 Resp: 25752

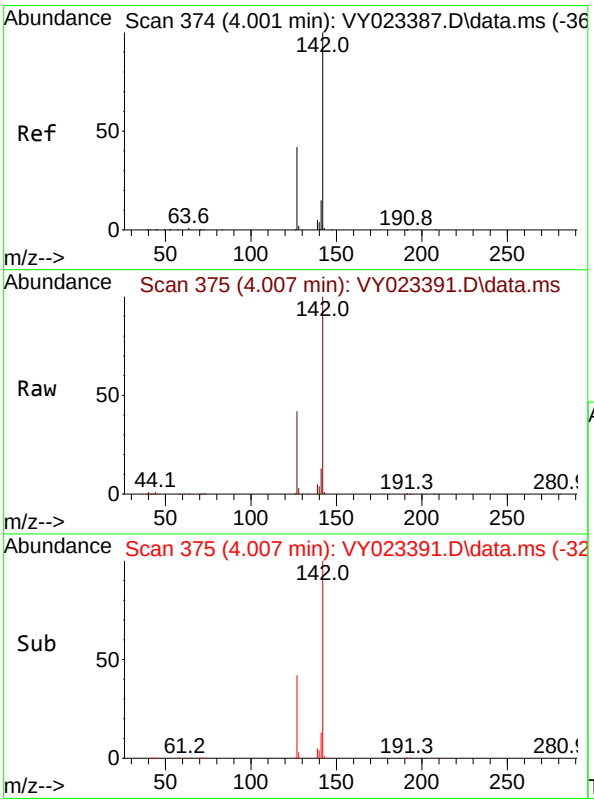
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	83.2	67.0	100.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

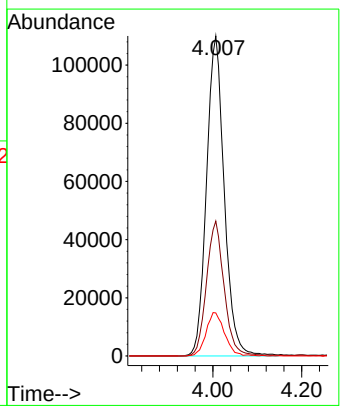
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

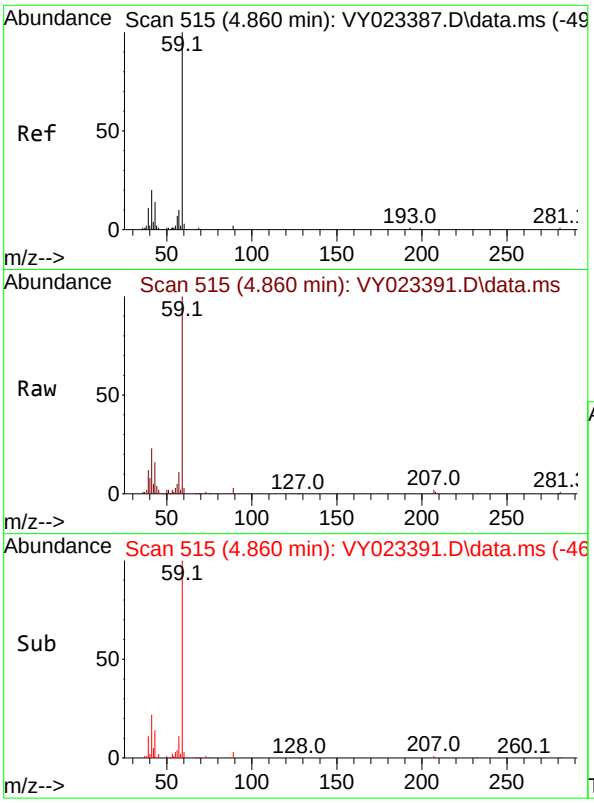


#10
Methyl Iodide
Concen: 51.875 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

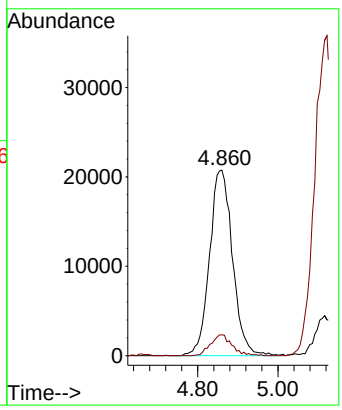




#11
Tert butyl alcohol
Concen: 231.079 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 59 Resp: 8256

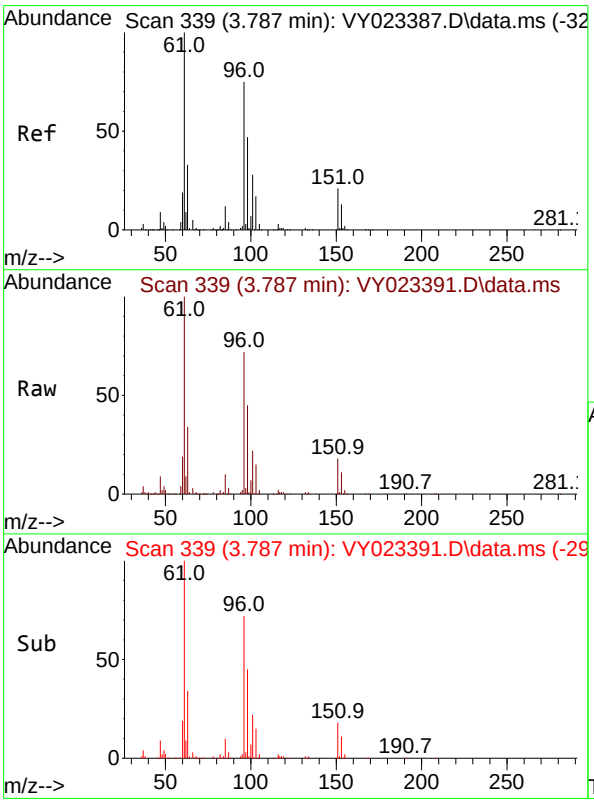
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

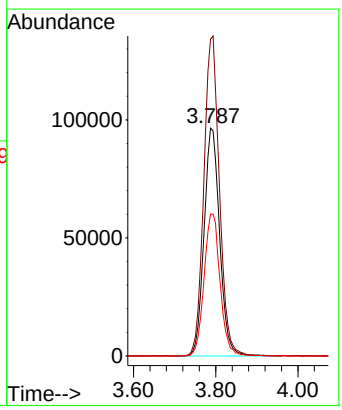
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

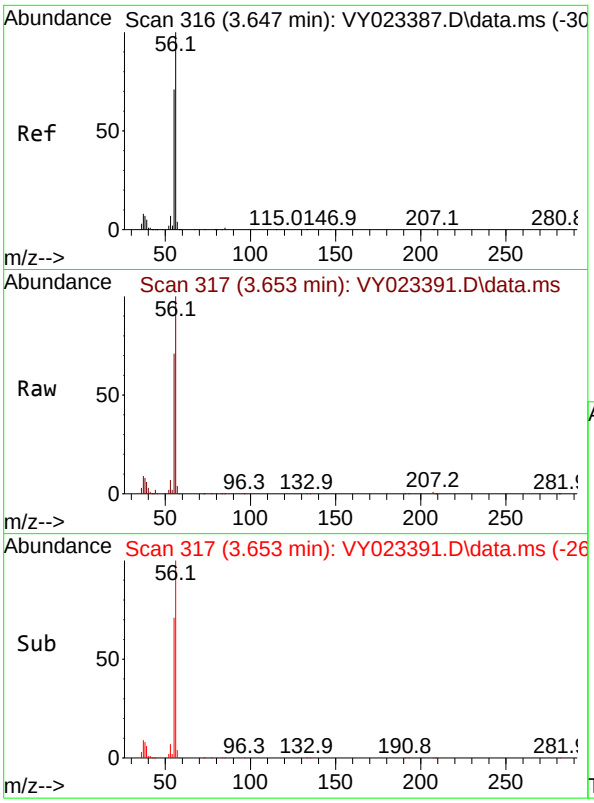


#12
1,1-Dichloroethene
Concen: 49.653 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

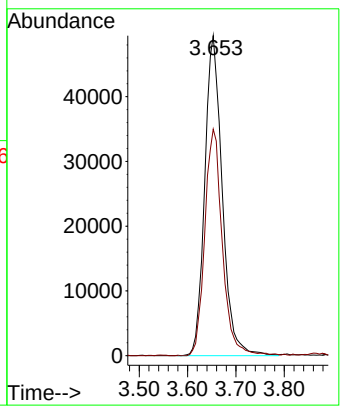




#13
Acrolein
Concen: 246.184 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 56 Resp: 12428

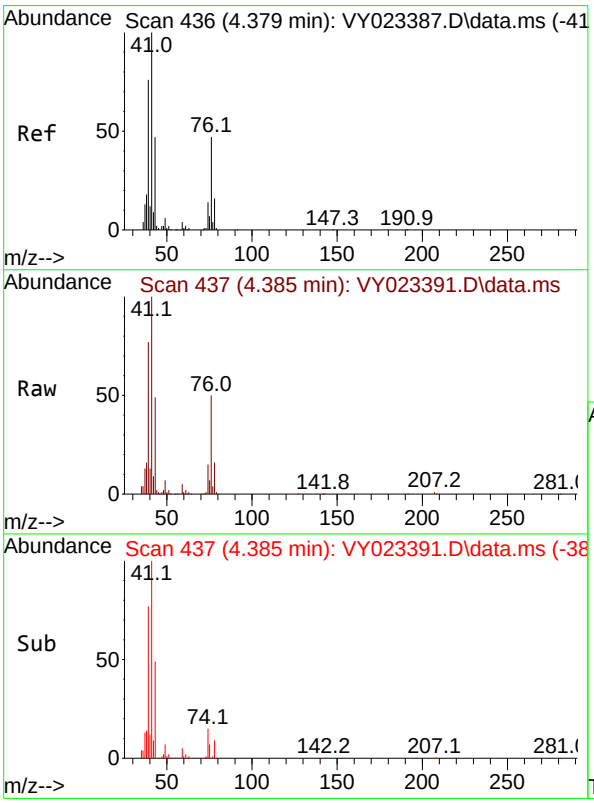
Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

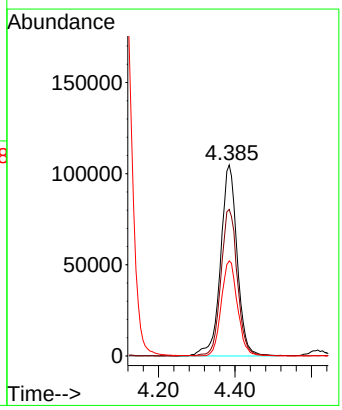
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

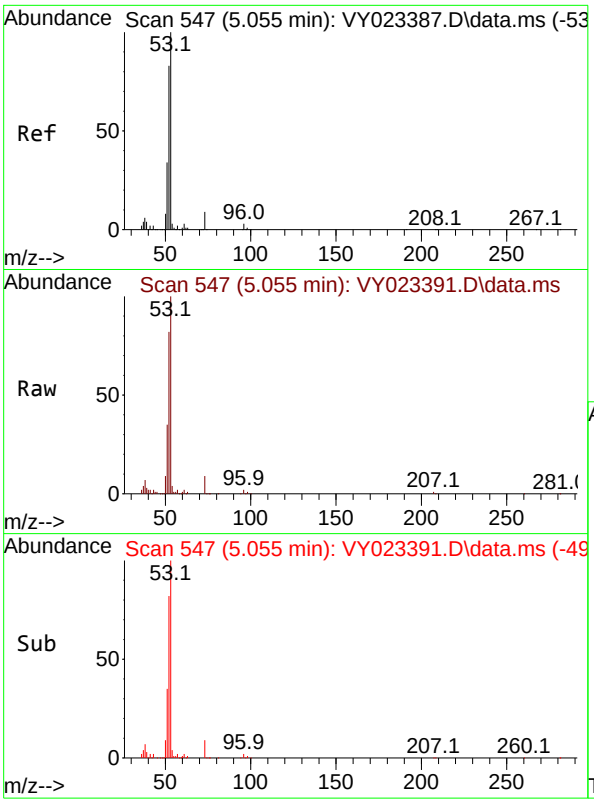


#14
Allyl chloride
Concen: 50.645 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

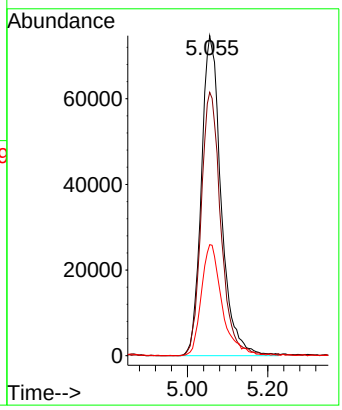




#15
Acrylonitrile
Concen: 251.575 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 53 Resp: 25621

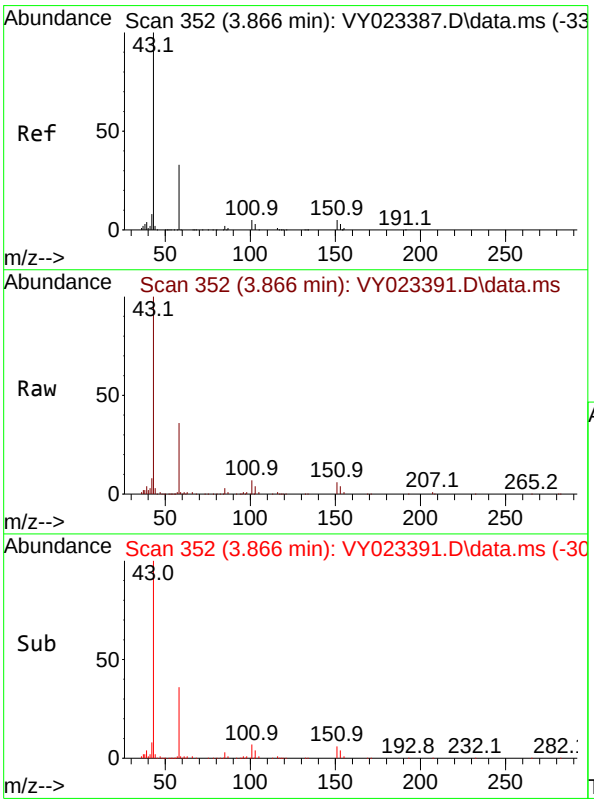
Ion	Ratio	Lower	Upper
53	100		
52	81.7	64.6	97.0
51	36.4	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

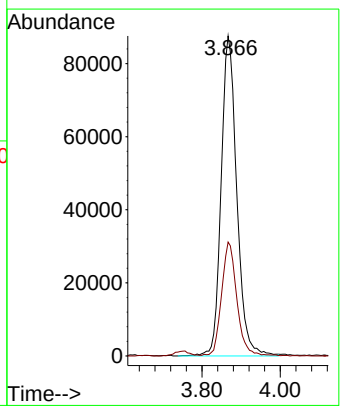
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

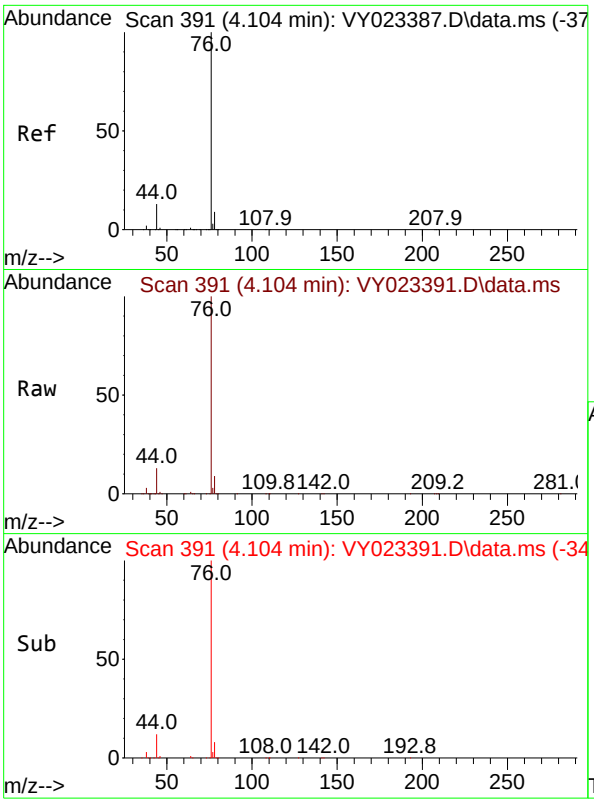


#16
Acetone
Concen: 212.910 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 243433

Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.7	41.5

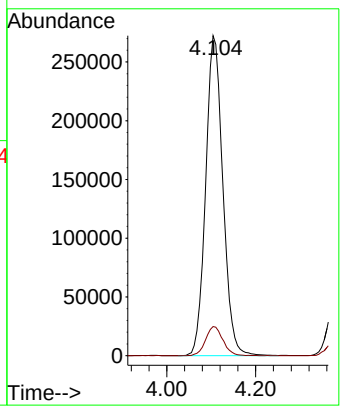




#17
Carbon Disulfide
Concen: 50.021 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 76 Resp: 73345

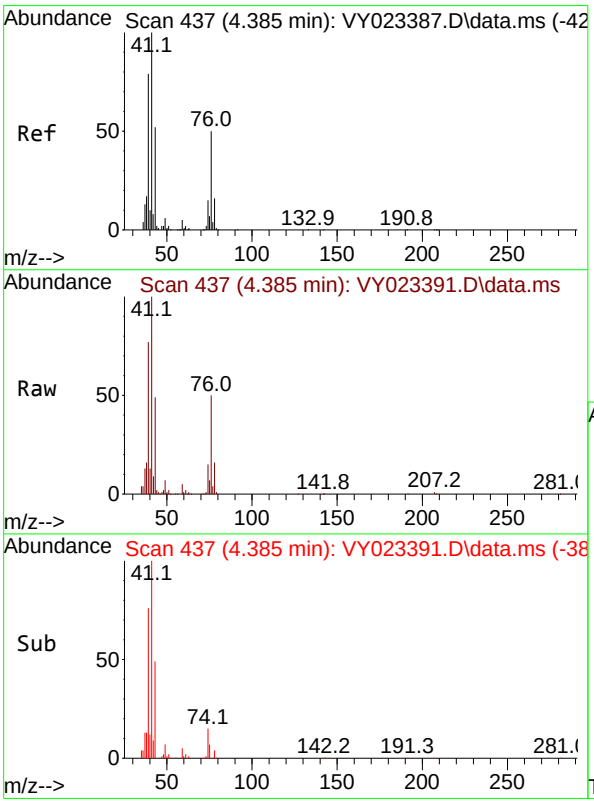
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

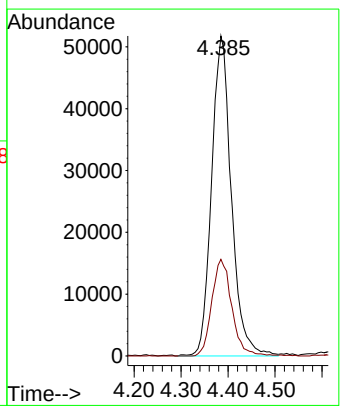
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

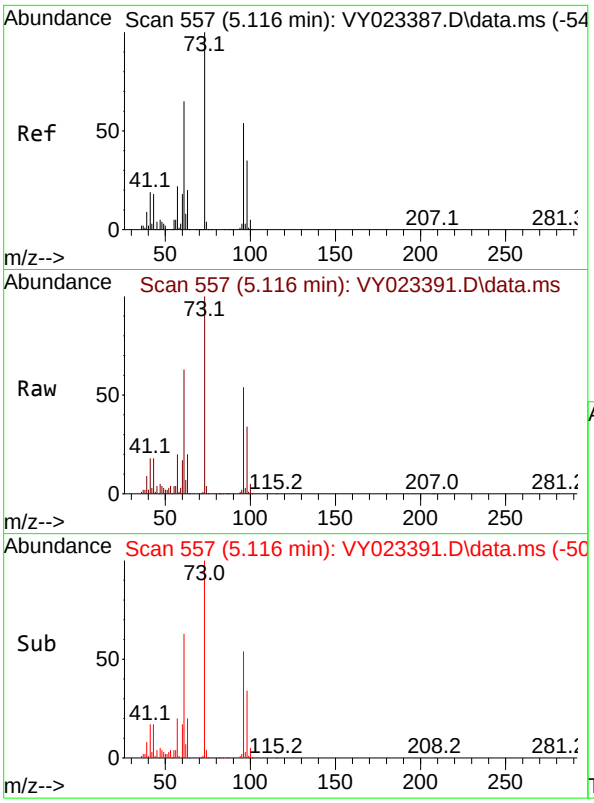


#18
Methyl Acetate
Concen: 50.439 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 151281

Ion	Ratio	Lower	Upper
43	100		
74	30.5	24.2	36.4

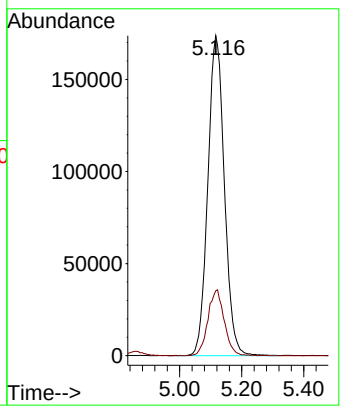




#19
Methyl tert-butyl Ether
Concen: 52.230 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 73 Resp: 64311

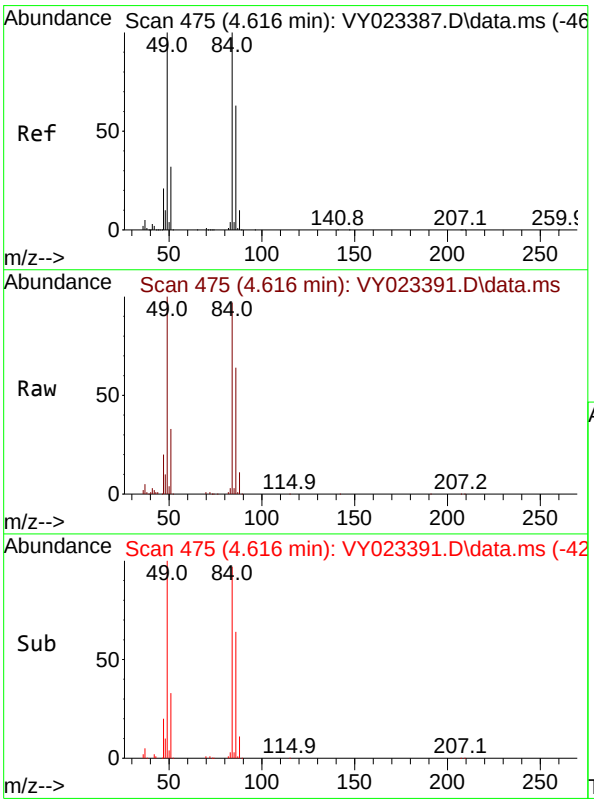
Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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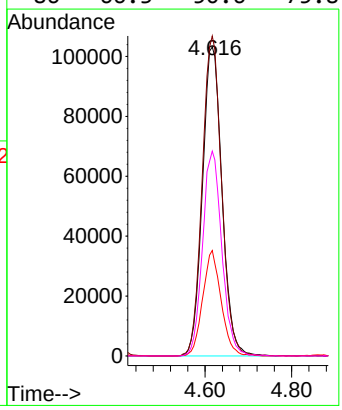
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

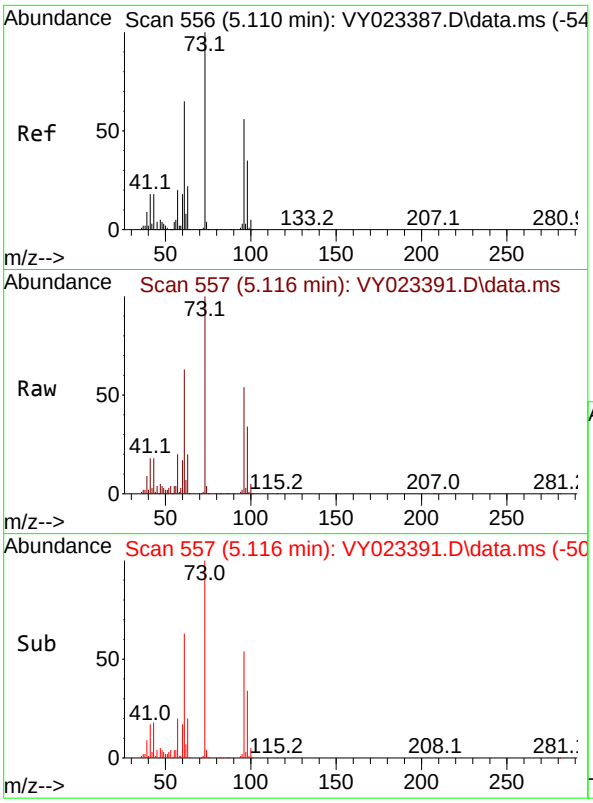


#20
Methylene Chloride
Concen: 52.503 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

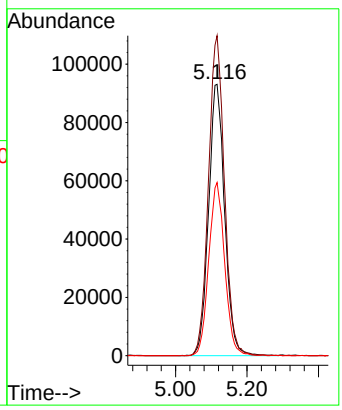




#21
trans-1,2-Dichloroethene
Concen: 51.482 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 96 Resp: 29038

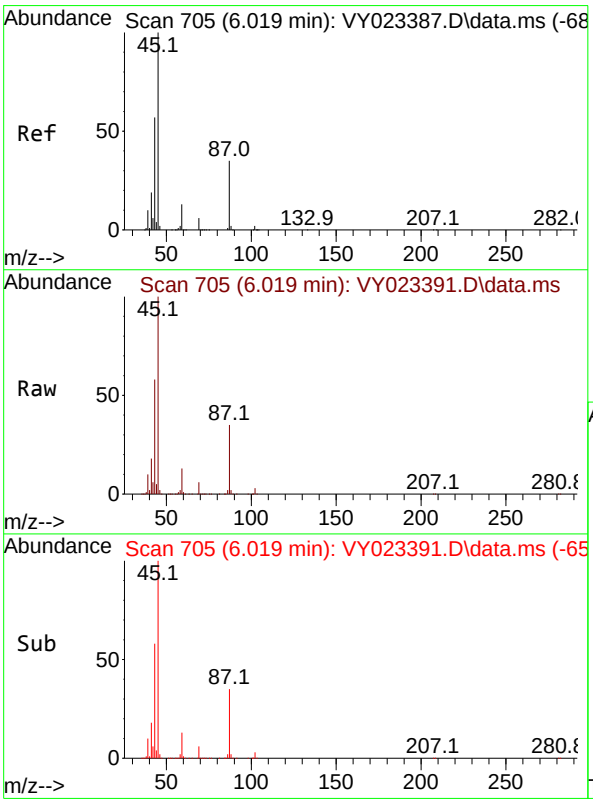
Ion	Ratio	Lower	Upper
96	100		
61	117.9	92.7	139.1
98	63.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

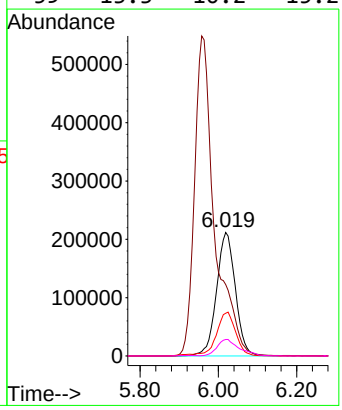
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

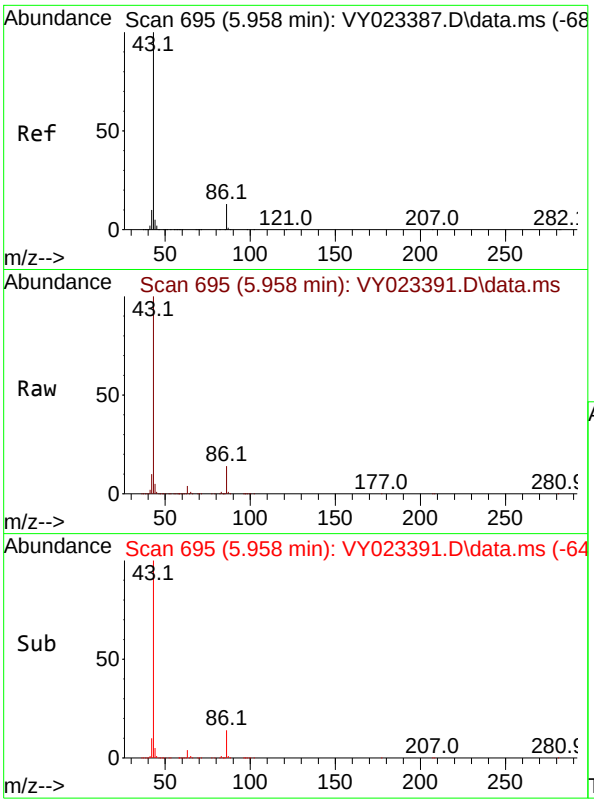


#22
Diisopropyl ether
Concen: 51.364 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

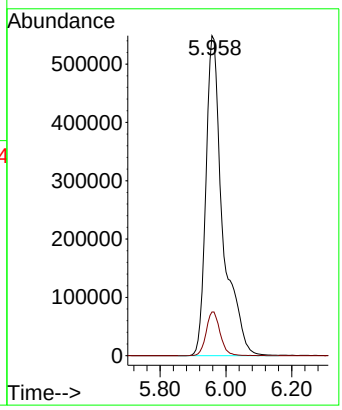




#23
Vinyl Acetate
Concen: 260.981 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 195096

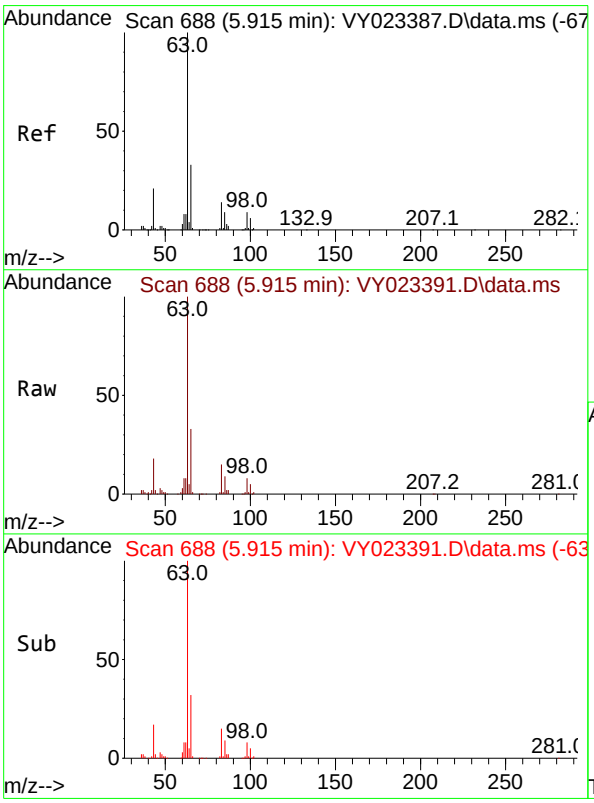
Ion	Ratio	Lower	Upper
43	100		
86	13.7	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

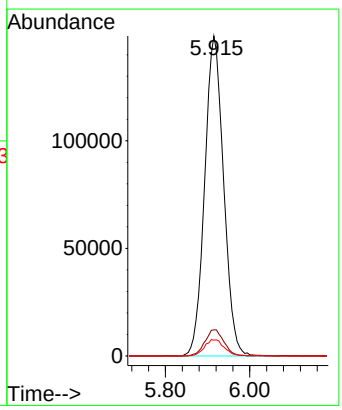
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

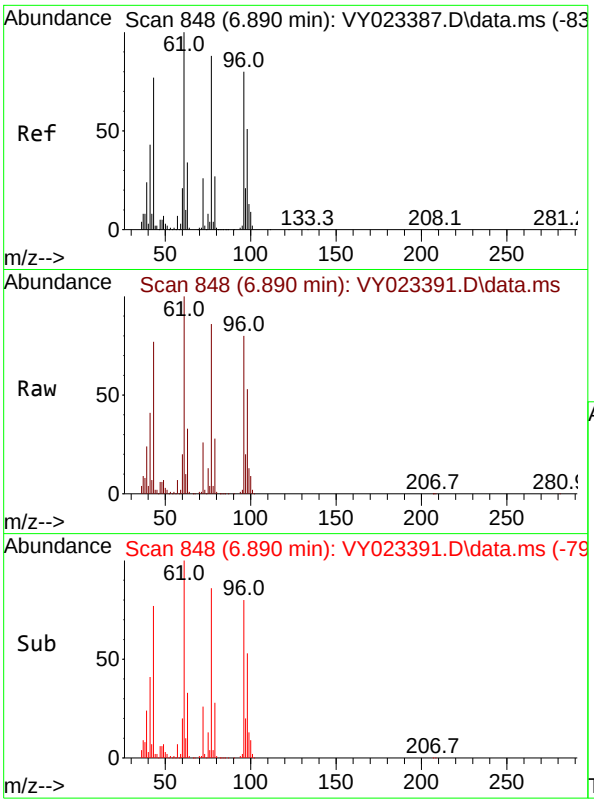


#24
1,1-Dichloroethane
Concen: 50.742 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

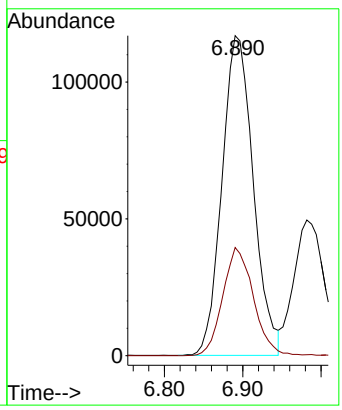
Tgt Ion: 43 Resp: 32535

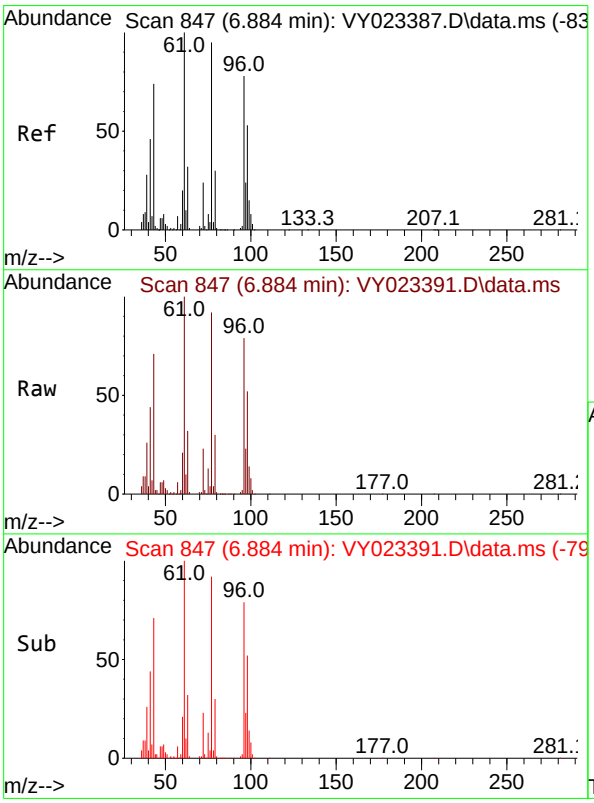
Ion	Ratio	Lower	Upper
43	100		
72	33.8	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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

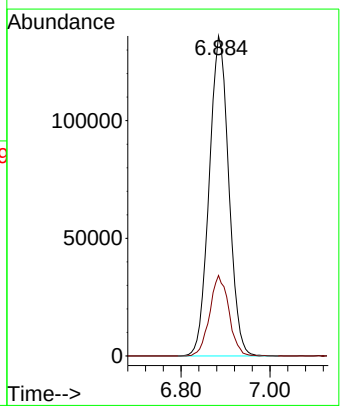


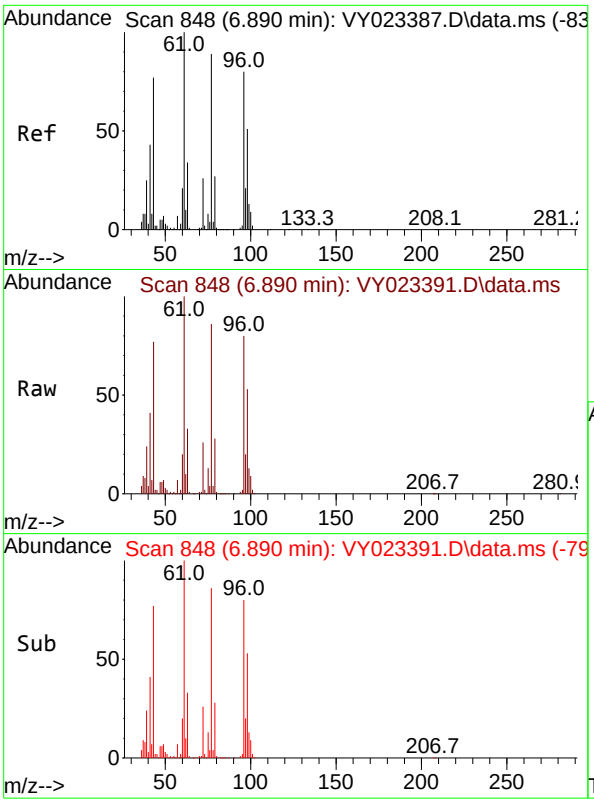


#26
2,2-Dichloropropane
Concen: 49.626 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 77 Resp: 416585

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.1	36.3

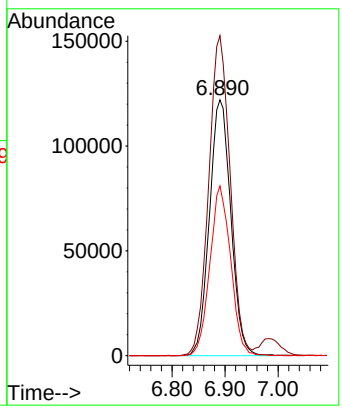




#27
cis-1,2-Dichloroethene
Concen: 52.485 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 96 Resp: 34196

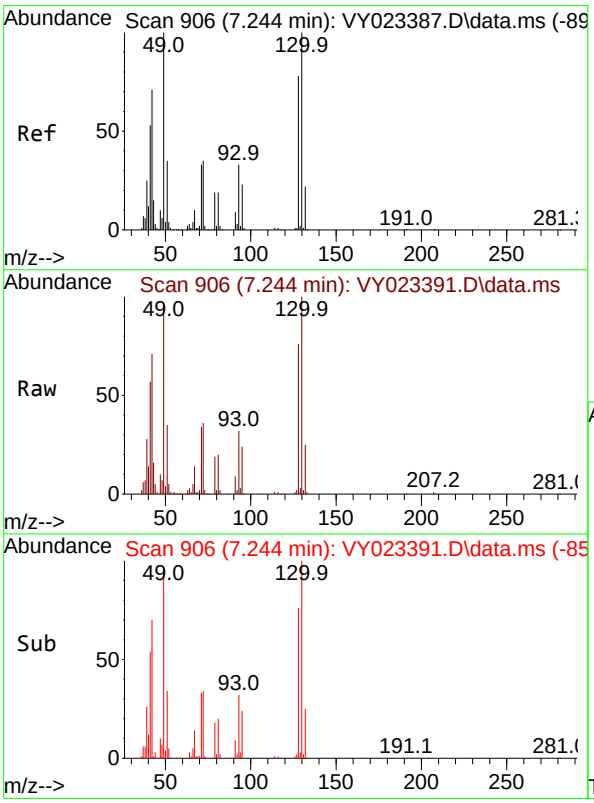
Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	258.2
98	64.3	0.0	132.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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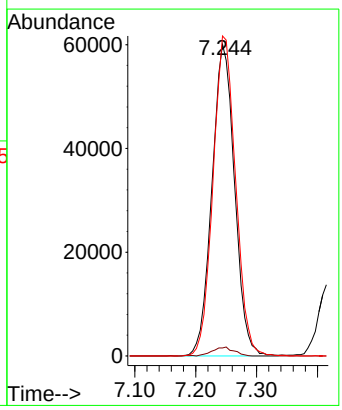
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

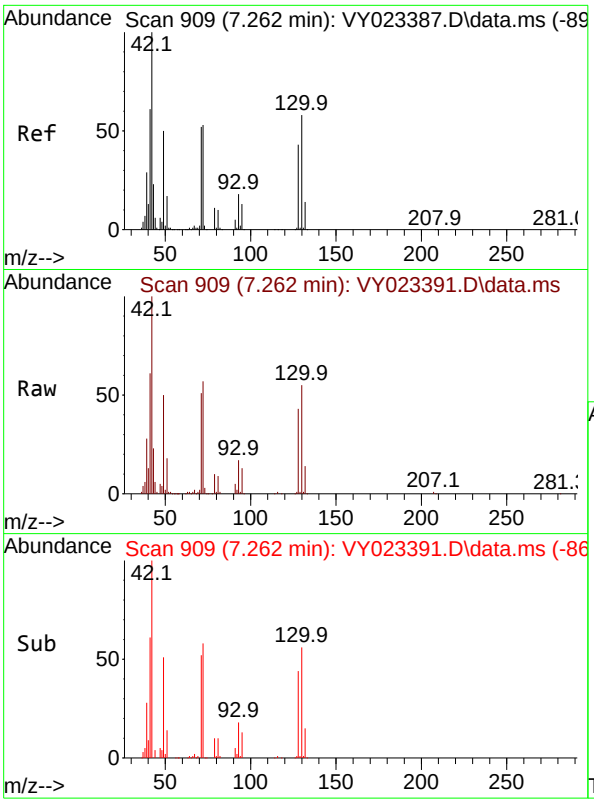


#28
Bromochloromethane
Concen: 45.427 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

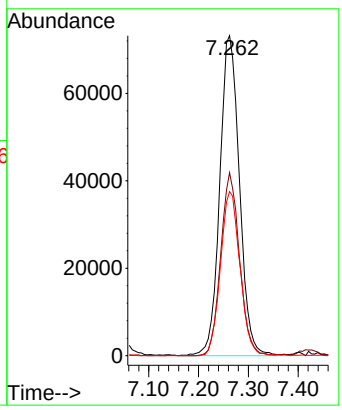




#29
Tetrahydrofuran
Concen: 253.317 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 42 Resp: 20051

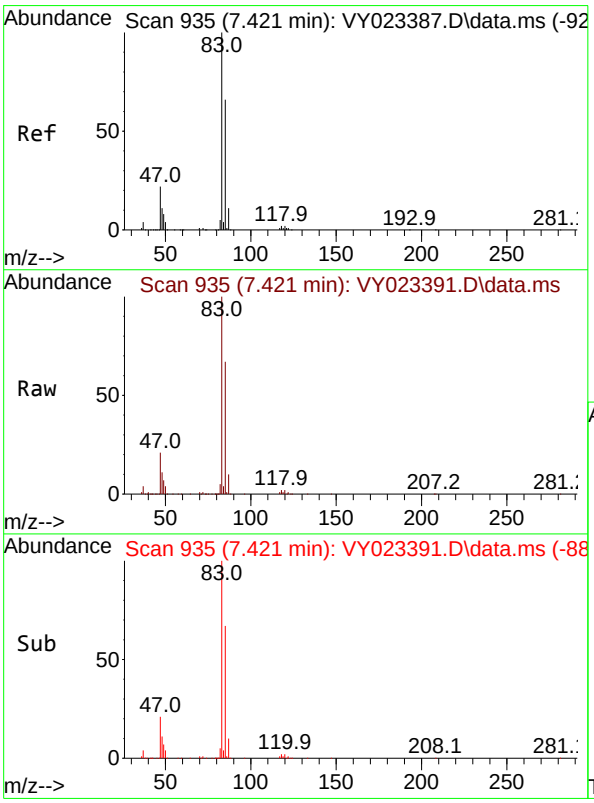
Ion	Ratio	Lower	Upper
42	100		
72	54.6	43.0	64.6
71	51.1	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

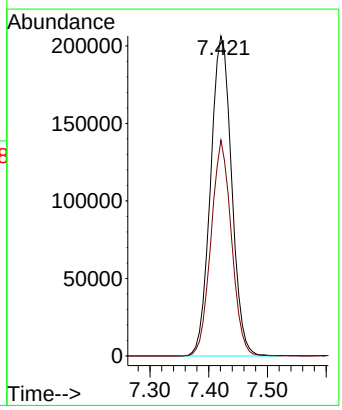
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

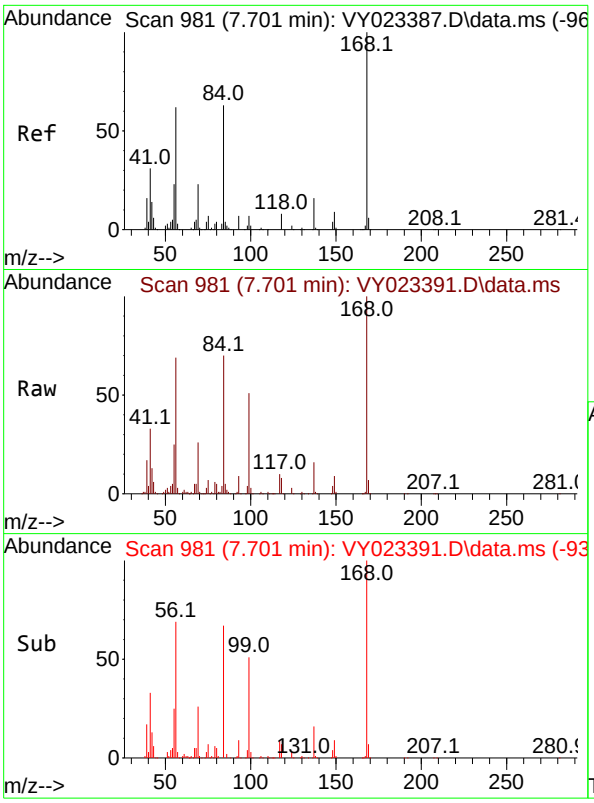


#30
Chloroform
Concen: 51.137 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 513997

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.5	78.7

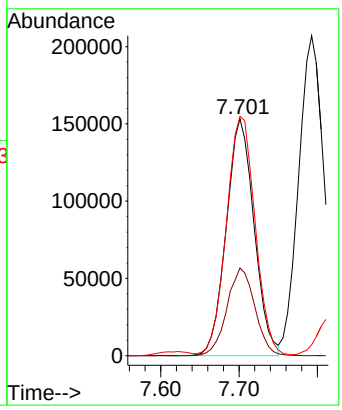




#31
Cyclohexane
Concen: 47.416 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 56 Resp: 37881

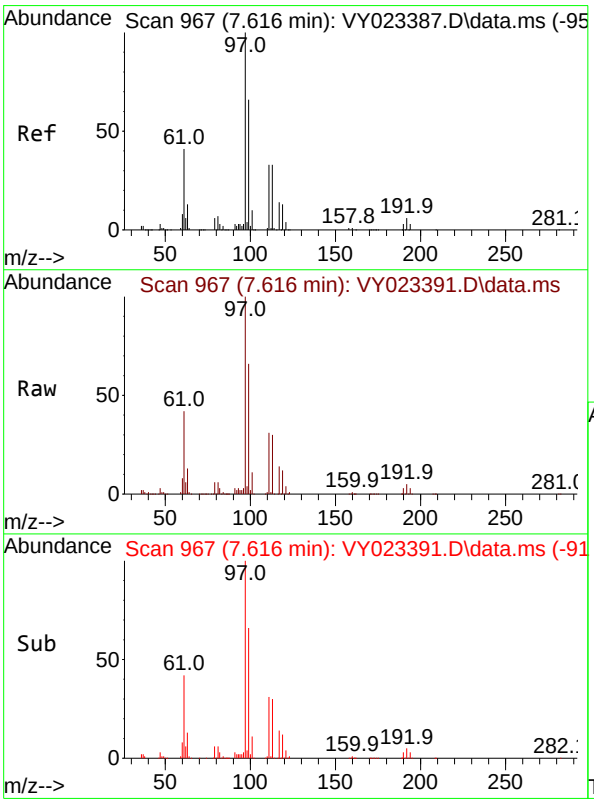
Ion	Ratio	Lower	Upper
56	100		
69	37.1	30.0	45.0
84	99.4	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

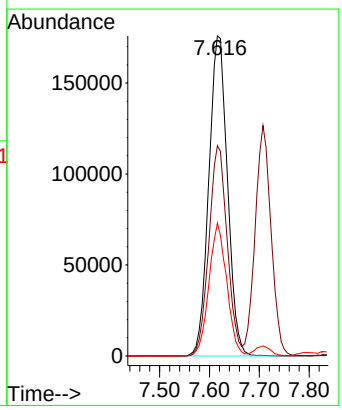
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

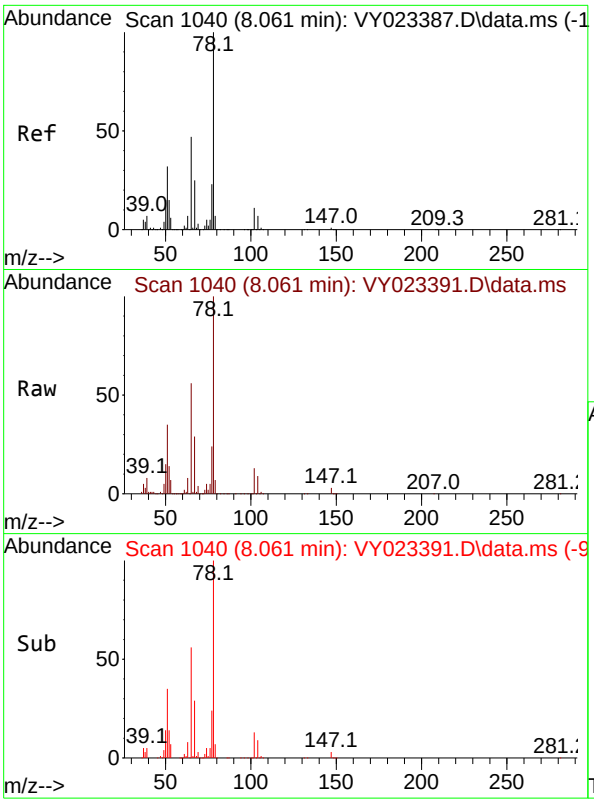


#32
1,1,1-Trichloroethane
Concen: 49.934 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

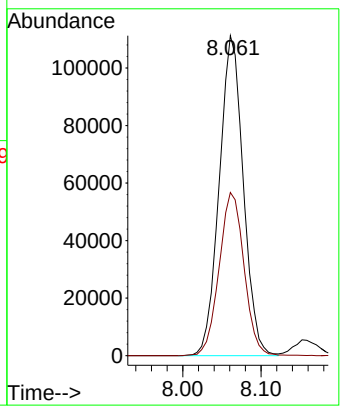




#33
1,2-Dichloroethane-d4
Concen: 49.450 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 65 Resp: 23749

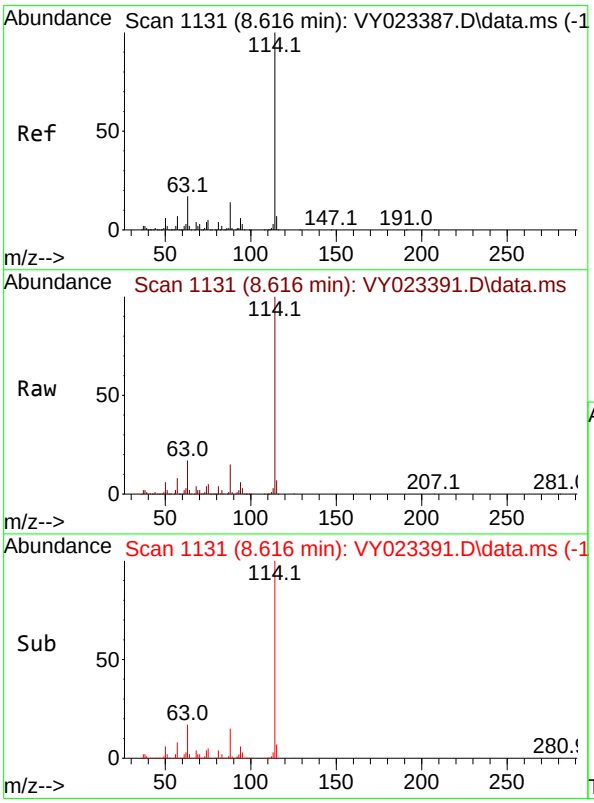
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

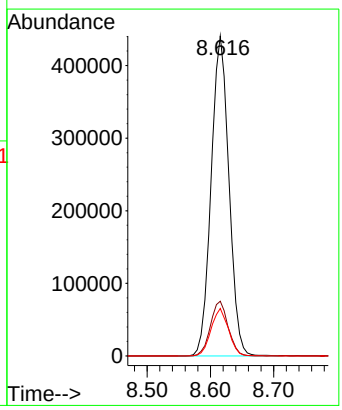
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

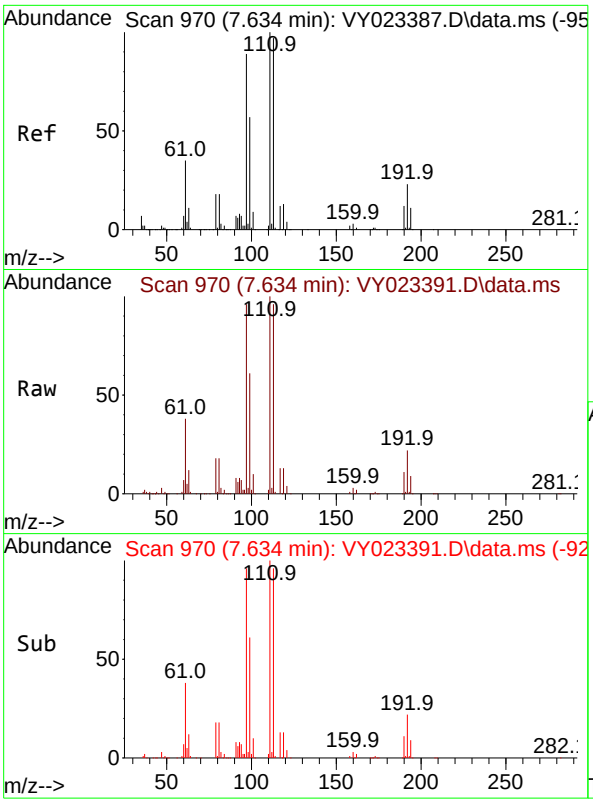


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

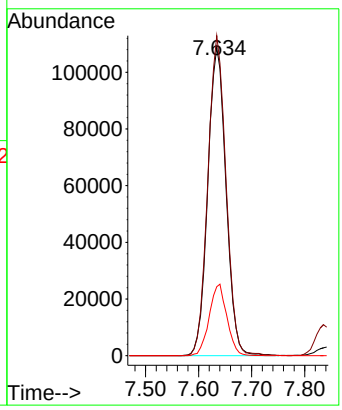




#35
Dibromofluoromethane
Concen: 49.116 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:113 Resp: 26003

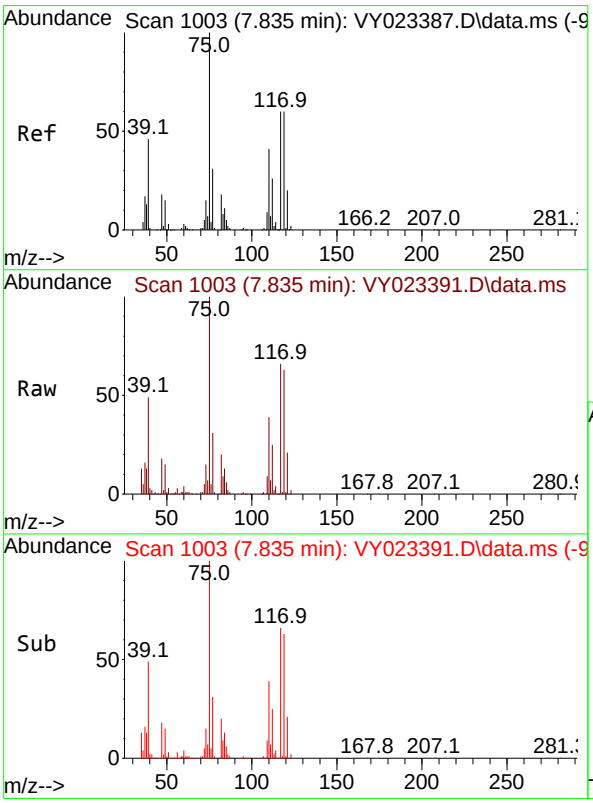
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.6
192	22.5	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

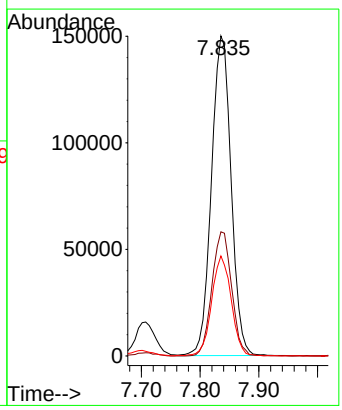
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

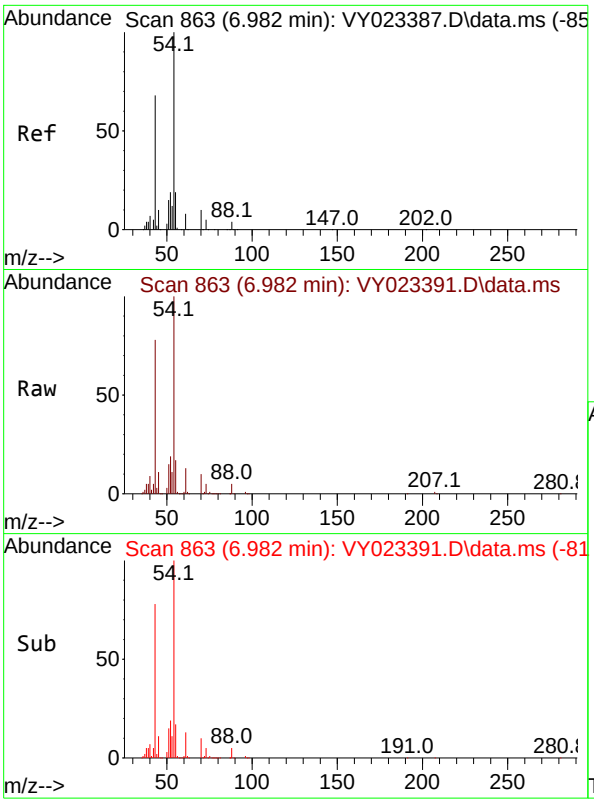


#36
1,1-Dichloropropene
Concen: 49.761 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

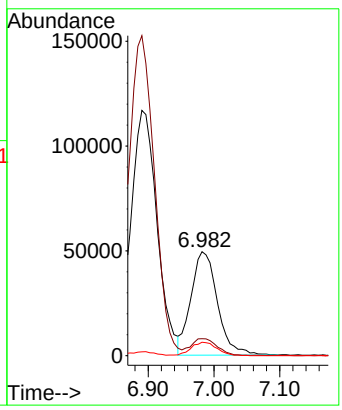
Tgt Ion: 43 Resp: 13811

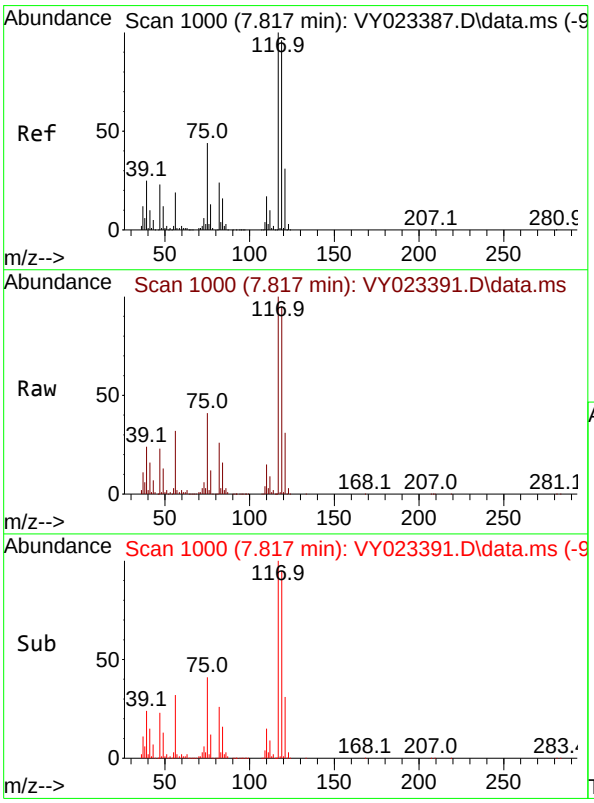
Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.8	17.8
70	12.7	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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

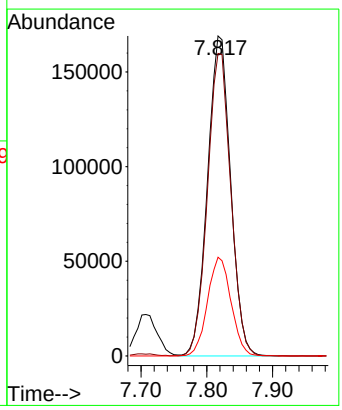


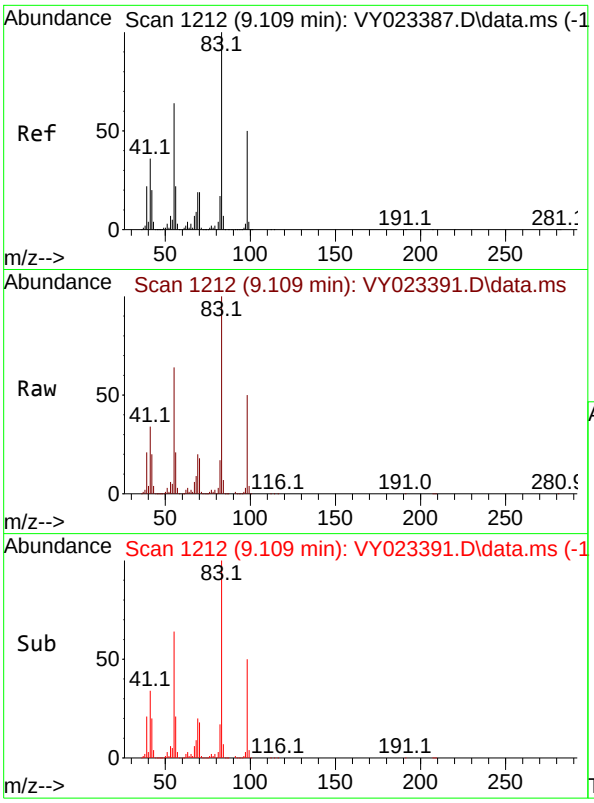


#38
Carbon Tetrachloride
Concen: 48.671 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

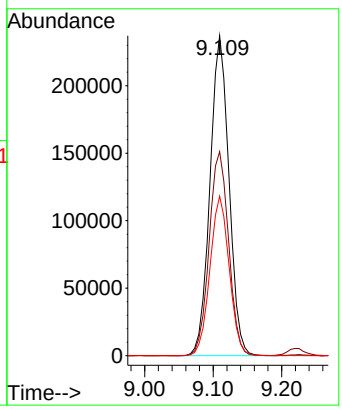




#39
Methylcyclohexane
Concen: 49.970 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 45603

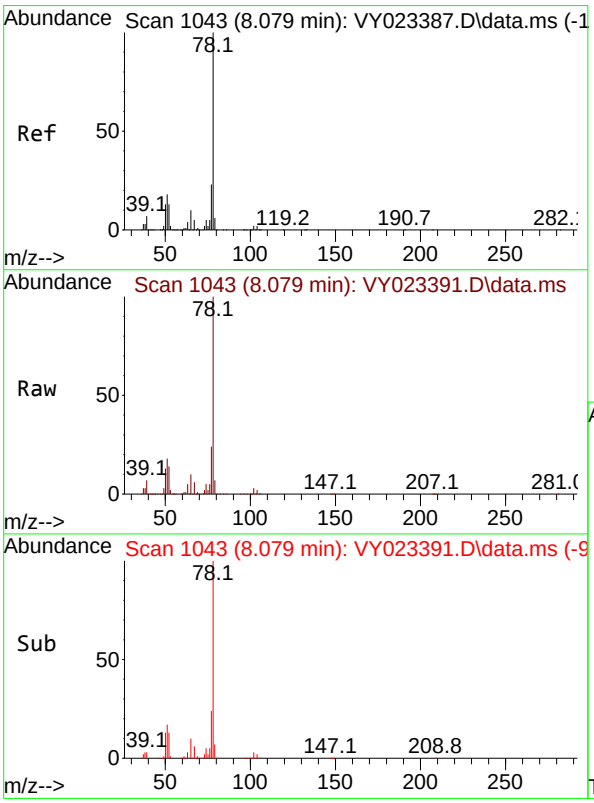
Ion	Ratio	Lower	Upper
83	100		
55	63.8	51.4	77.2
98	49.9	40.4	60.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

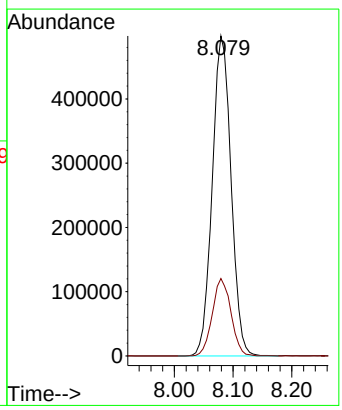
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

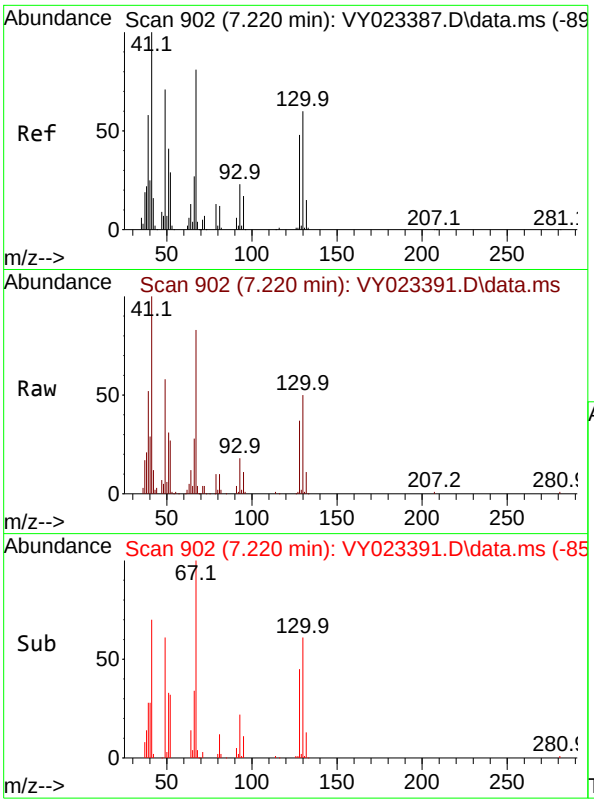


#40
Benzene
Concen: 49.906 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 78 Resp: 1107790

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.3	27.5

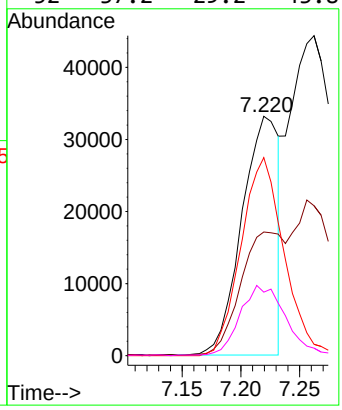




#41
Methacrylonitrile
Concen: 48.008 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 41 Resp: 7210

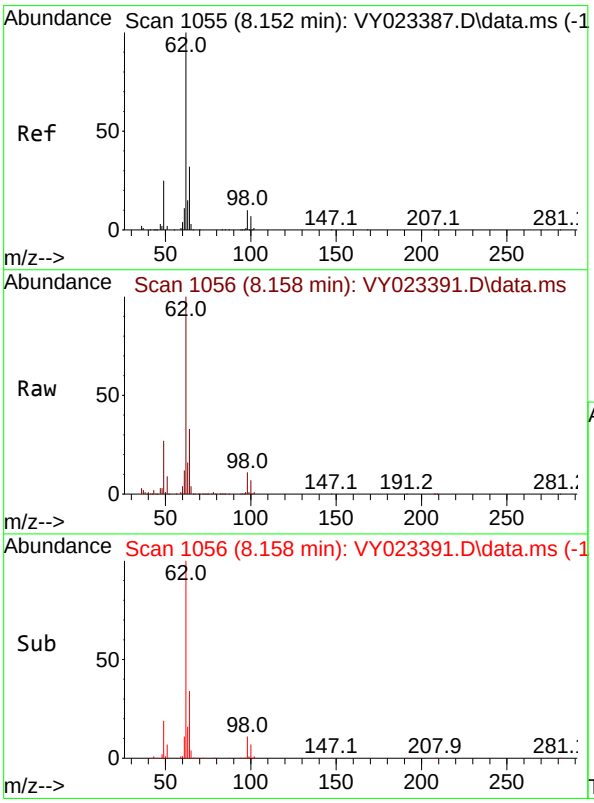
Ion	Ratio	Lower	Upper
41	100		
39	62.2	52.2	78.4
67	97.9	74.9	112.3
52	37.2	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

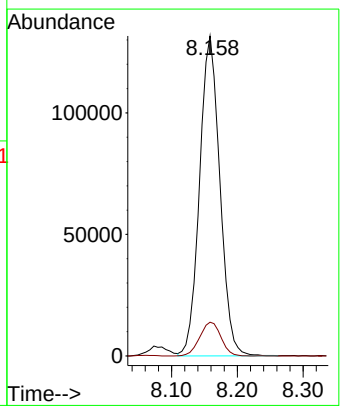
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

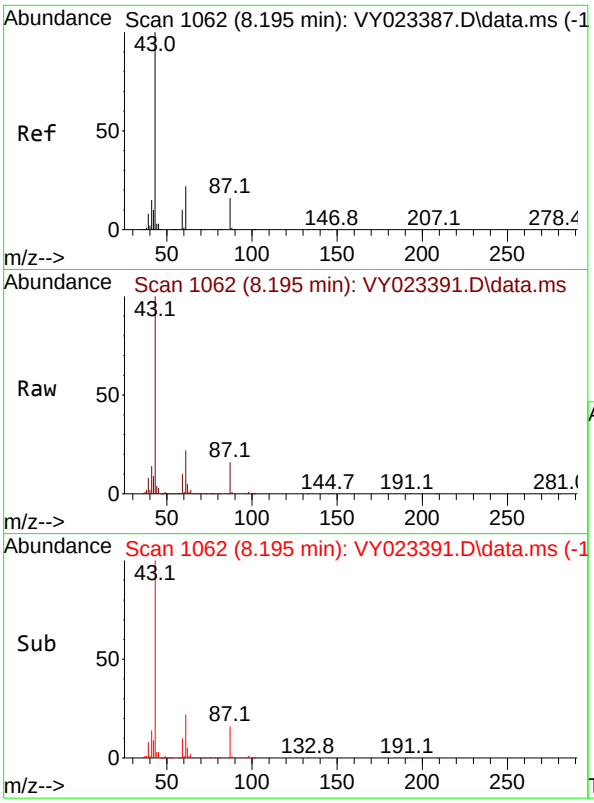


#42
1,2-Dichloroethane
Concen: 49.318 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 62 Resp: 282332

Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.6

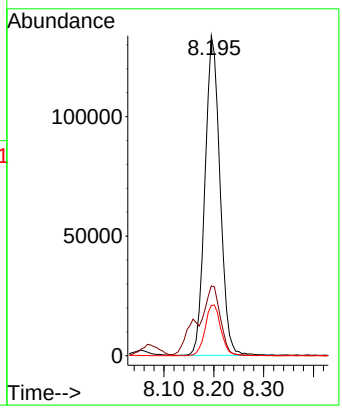




#43
Isopropyl Acetate
Concen: 50.548 ug/l
RT: 8.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 27988

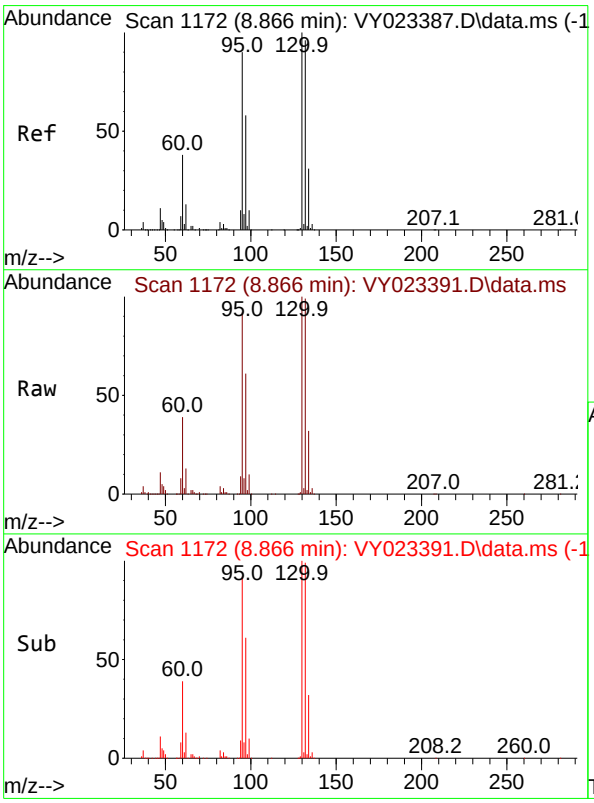
Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.1	27.1
87	16.7	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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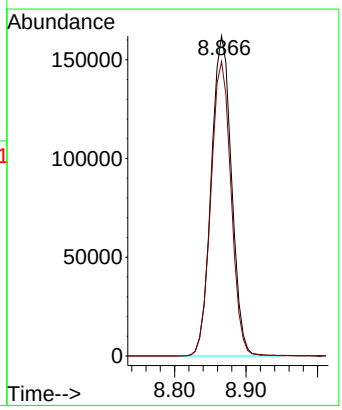
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

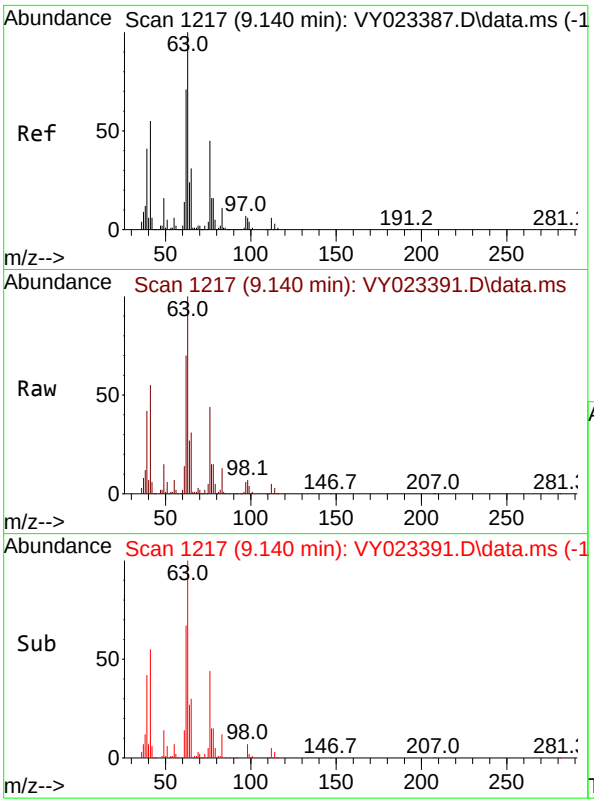


#44
Trichloroethene
Concen: 49.120 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:130 Resp: 319131

Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	180.6

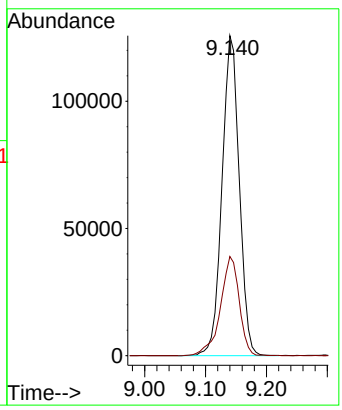




#45
1,2-Dichloropropane
Concen: 50.355 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 63 Resp: 24688

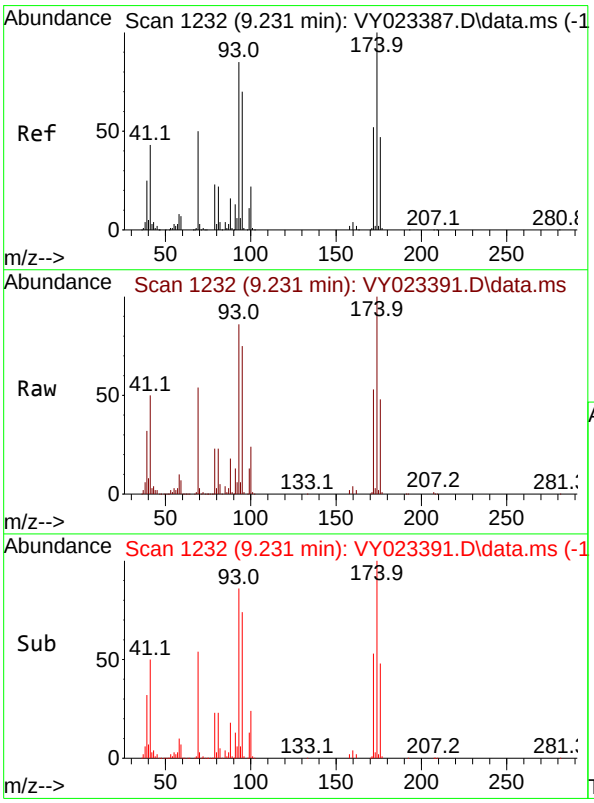
Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

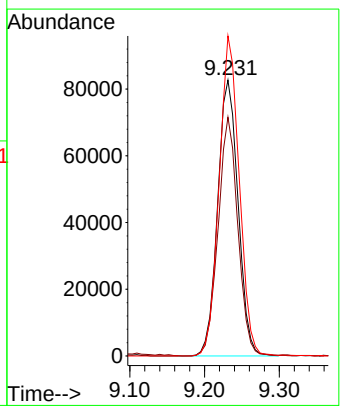
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

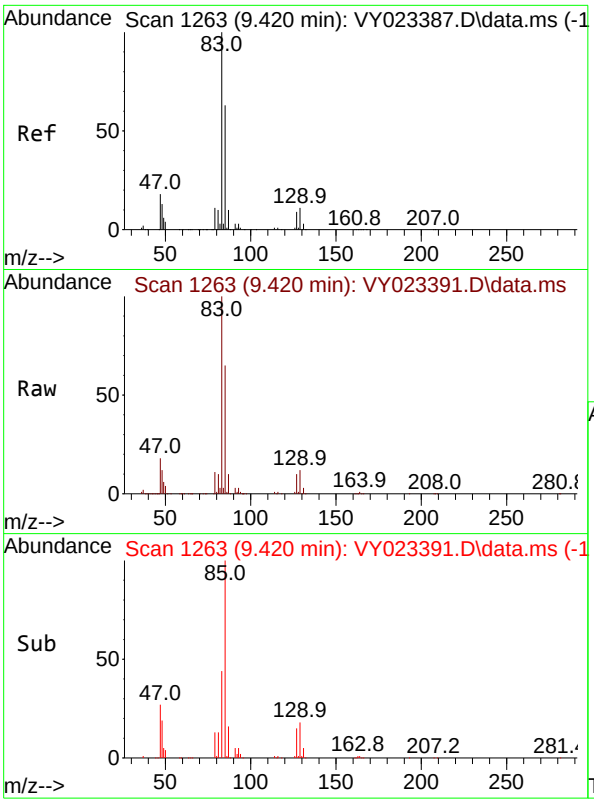


#46
Dibromomethane
Concen: 50.885 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

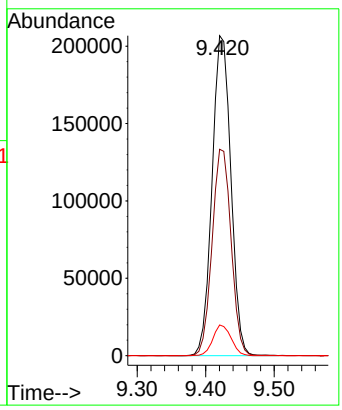




#47
Bromodichloromethane
Concen: 50.450 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 39391

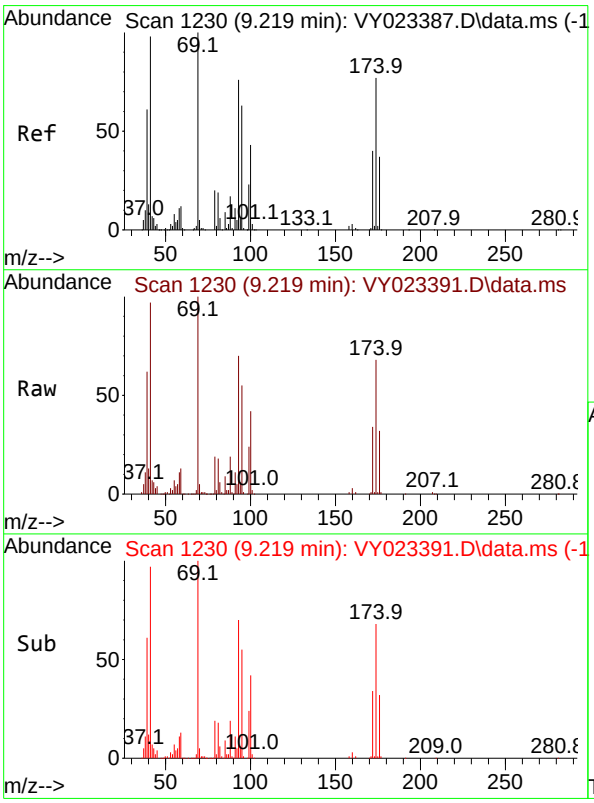
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.8	76.2
127	9.6	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

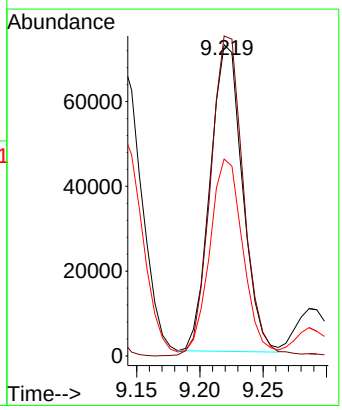
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

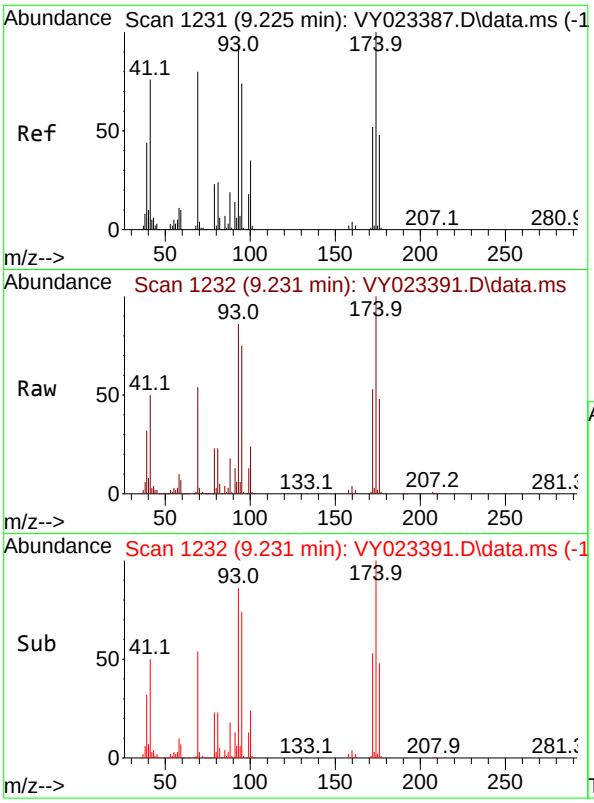


#48
Methyl methacrylate
Concen: 49.440 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

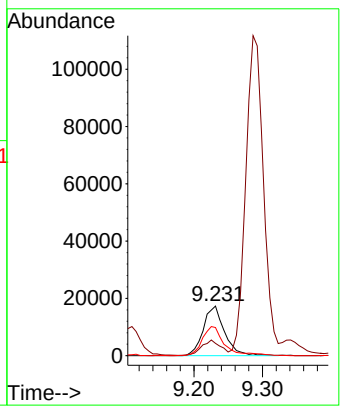




#49
1,4-Dioxane
Concen: 1039.252 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 88 Resp: 3735

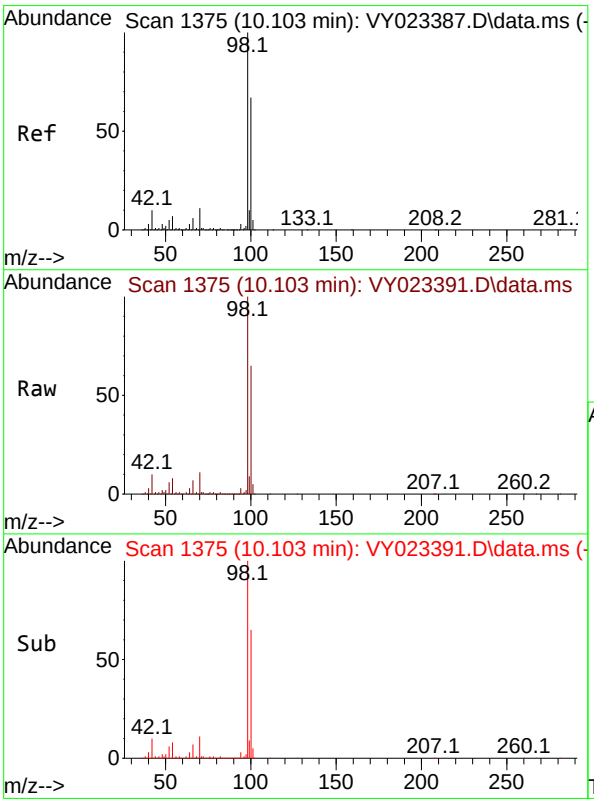
Ion	Ratio	Lower	Upper
88	100		
43	27.4	21.8	32.8
58	61.4	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

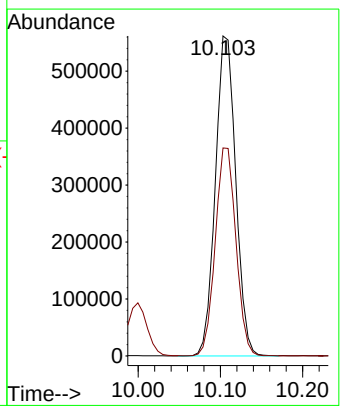
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

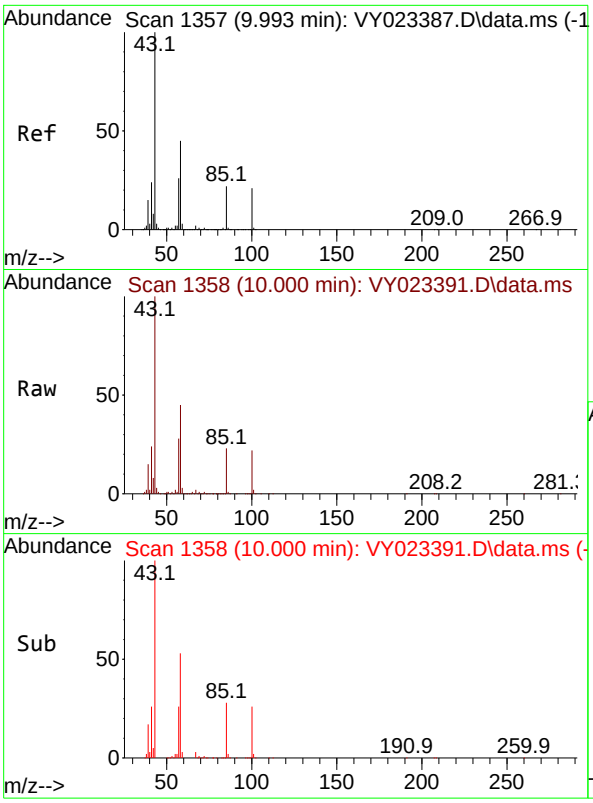


#50
Toluene-d8
Concen: 49.228 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 98 Resp: 970614

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4

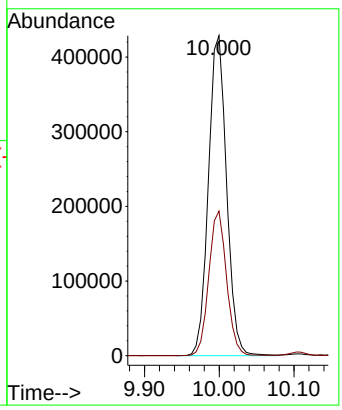




#51
4-Methyl-2-Pentanone
Concen: 253.421 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 43 Resp: 72499

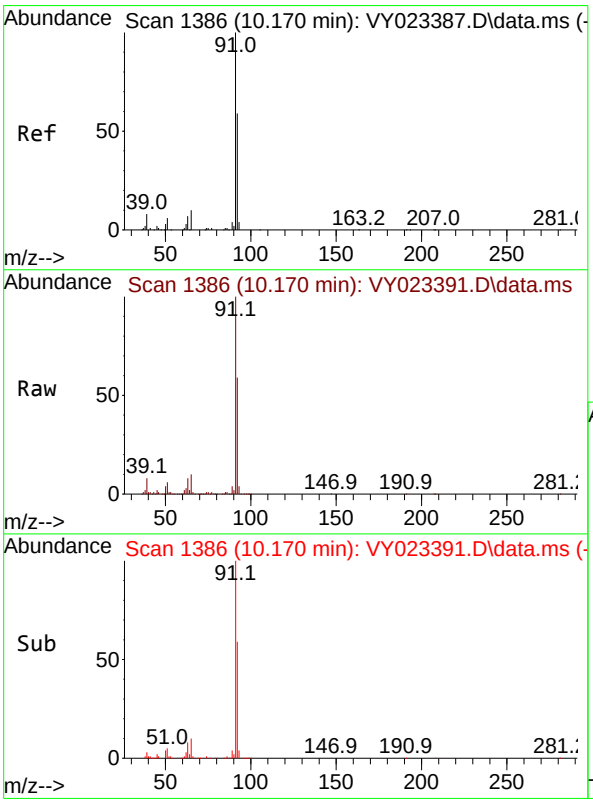
Ion	Ratio	Lower	Upper
43	100		
58	44.4	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

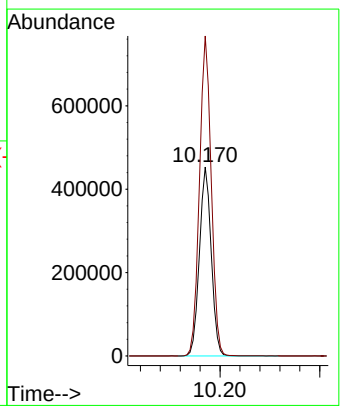
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

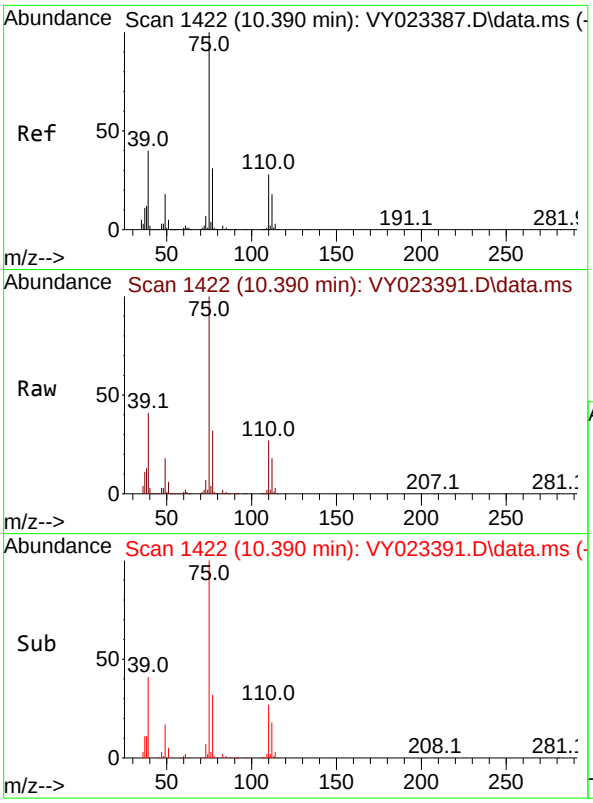


#52
Toluene
Concen: 51.556 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 92 Resp: 743055

Ion	Ratio	Lower	Upper
92	100		
91	168.9	136.4	204.6

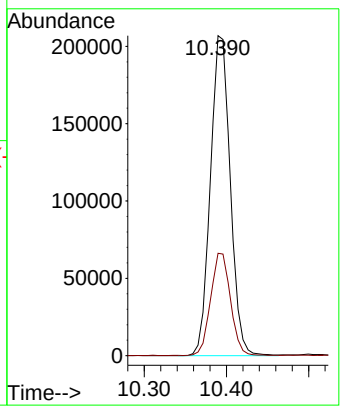




#53
t-1,3-Dichloropropene
Concen: 51.160 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 34733

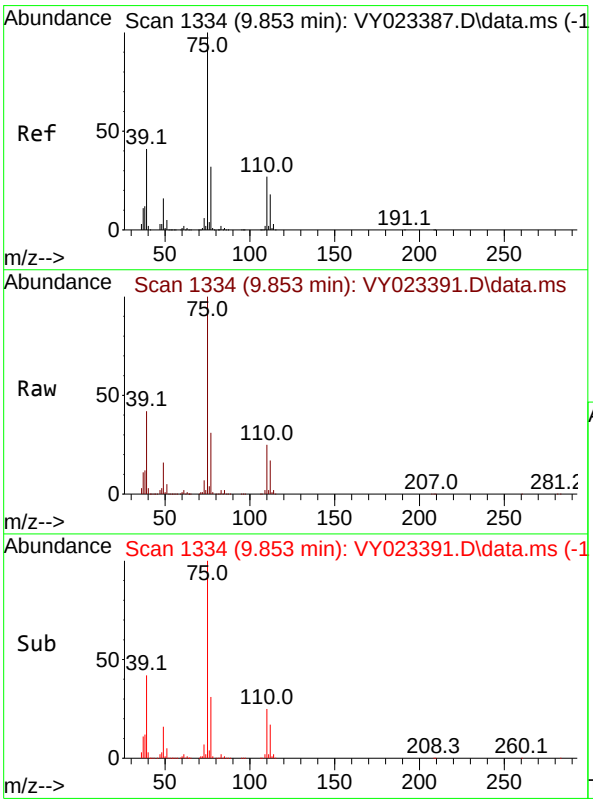
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

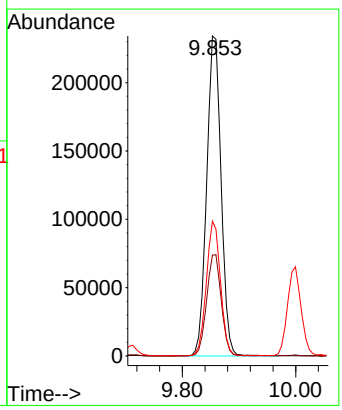
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

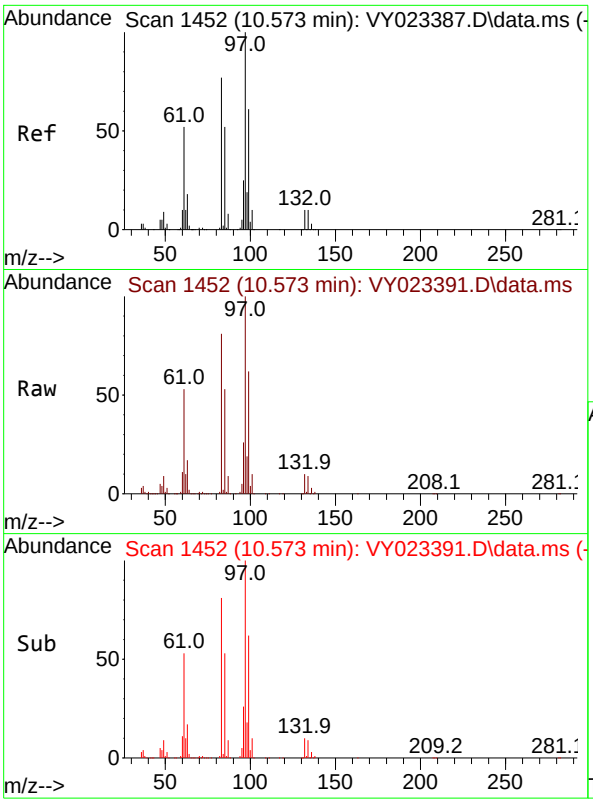


#54
cis-1,3-Dichloropropene
Concen: 51.649 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

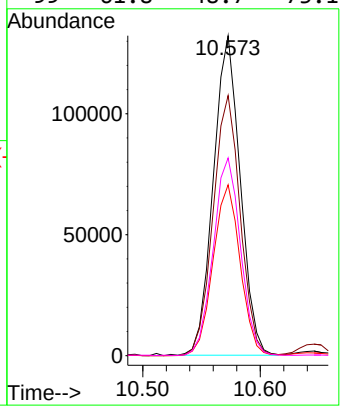




#55
1,1,2-Trichloroethane
Concen: 50.430 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 97 Resp: 21024

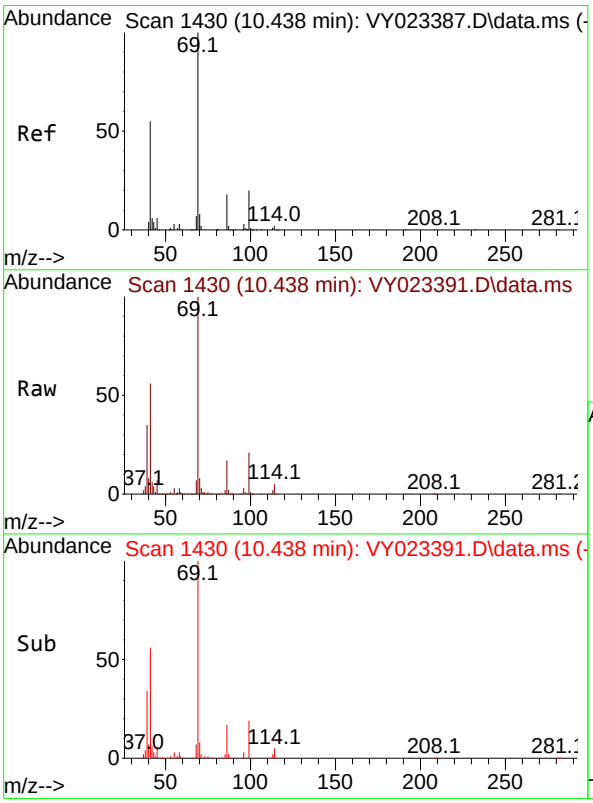
Ion	Ratio	Lower	Upper
97	100		
83	81.4	61.8	92.6
85	53.5	41.3	61.9
99	61.8	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

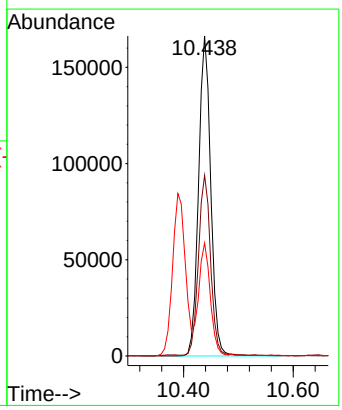
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

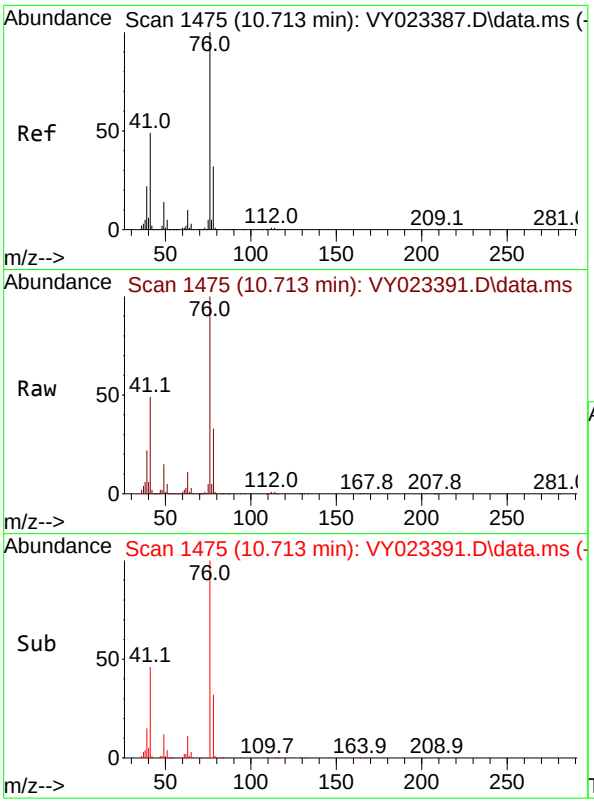


#56
Ethyl methacrylate
Concen: 53.385 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

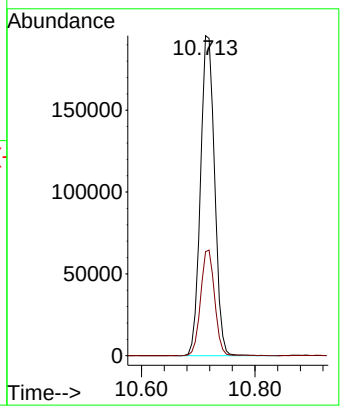




#57
1,3-Dichloropropane
Concen: 51.113 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 76 Resp: 33767

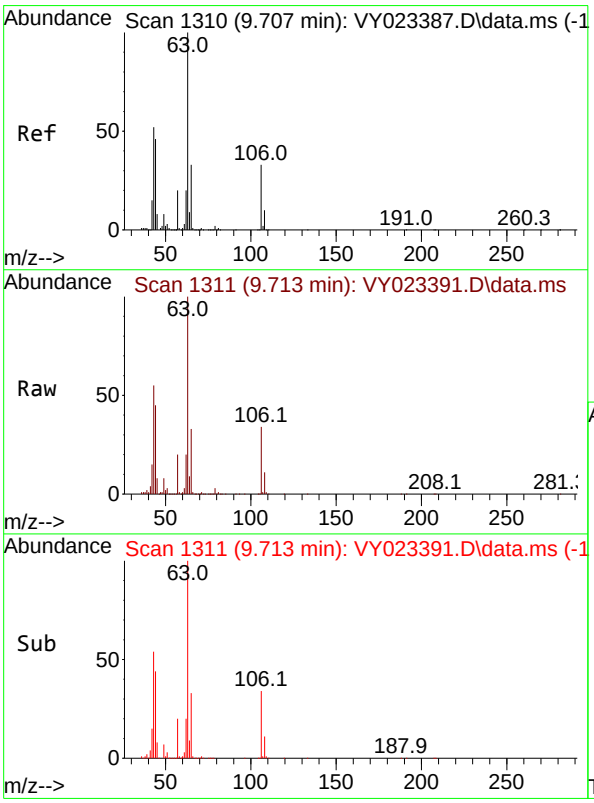
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

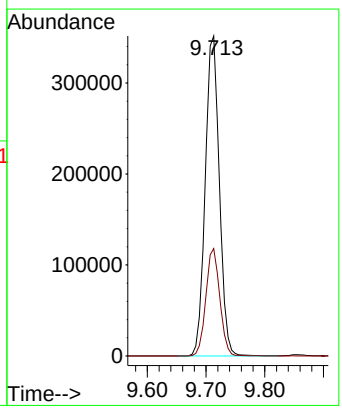
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

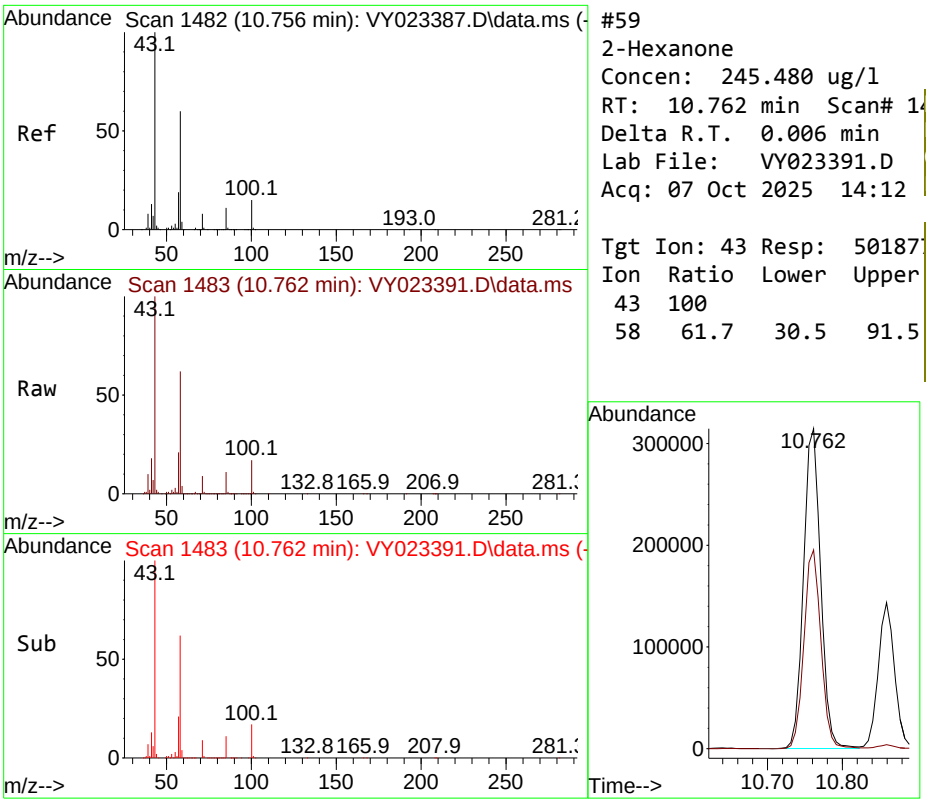


#58
2-Chloroethyl Vinyl ether
Concen: 272.133 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

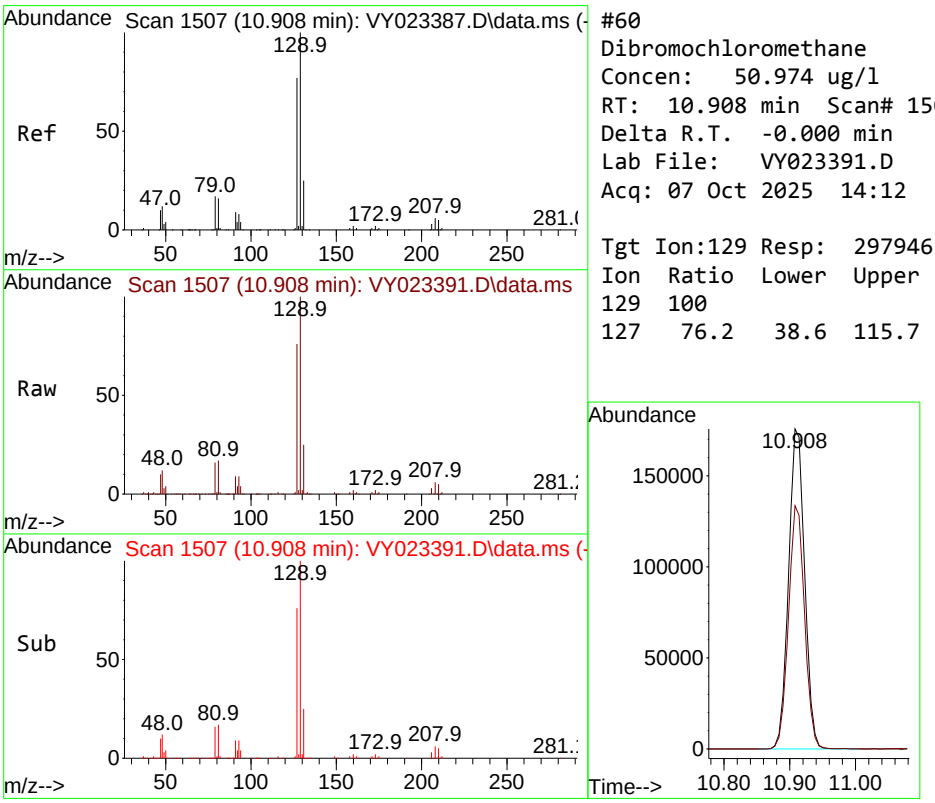
Tgt Ion: 43 Resp: 50187

Ion	Ratio	Lower	Upper
43	100		
58	61.7	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

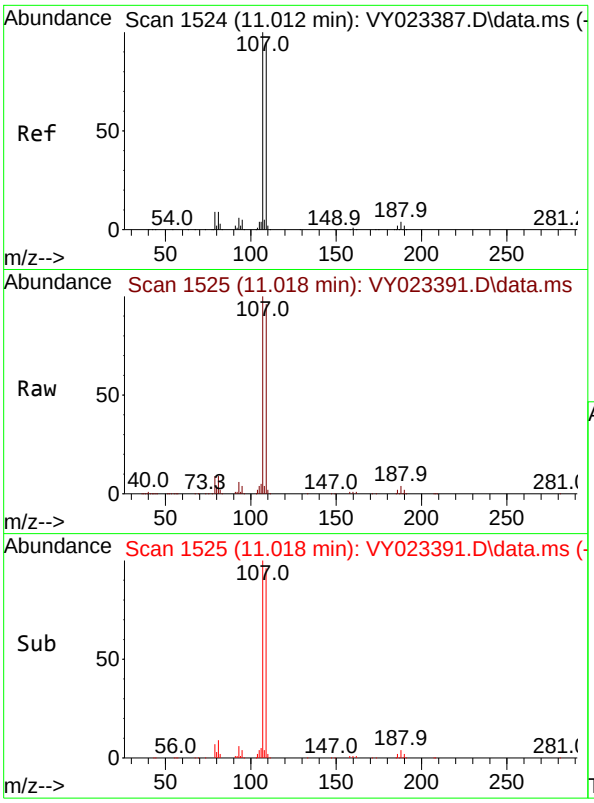
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

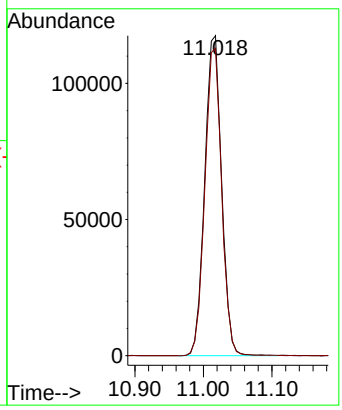
Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.7



#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

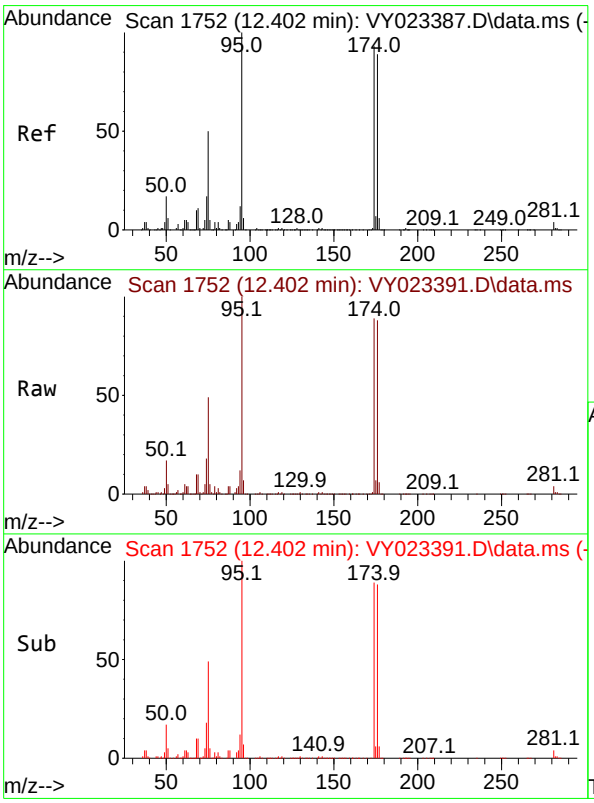
Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

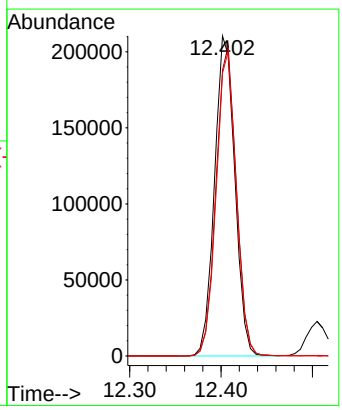
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

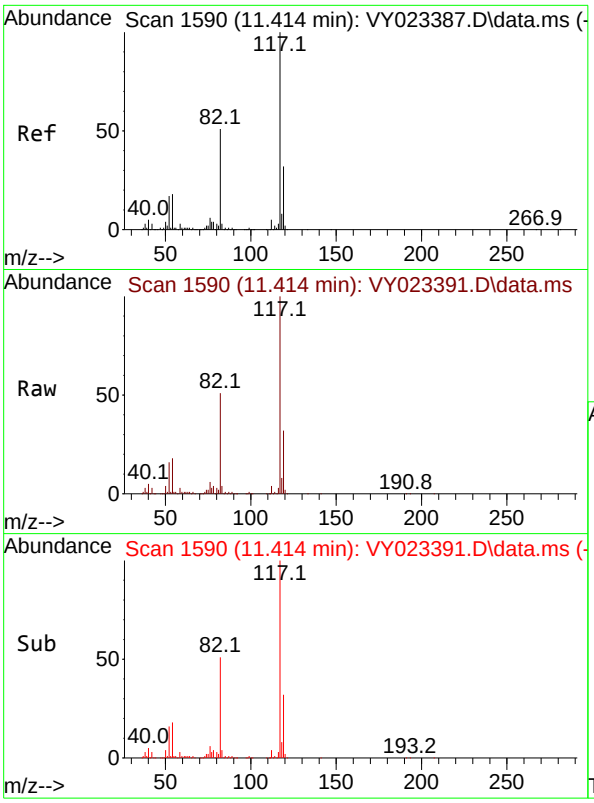


#62
4-Bromofluorobenzene
Concen: 49.881 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

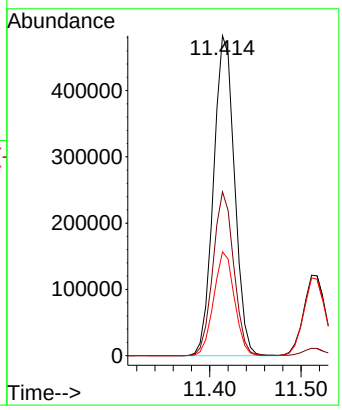




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:117 Resp: 77137

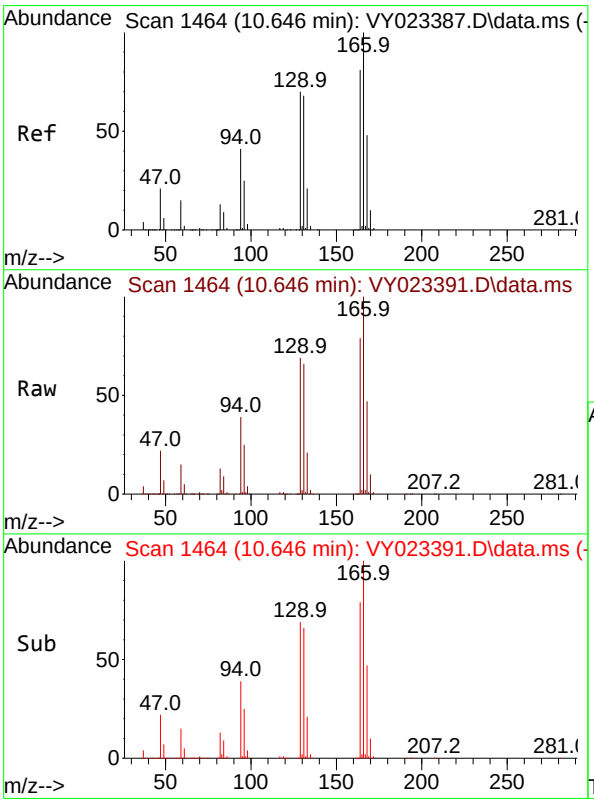
Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.0	61.4
119	32.5	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

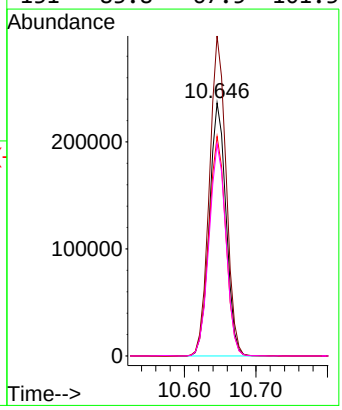
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

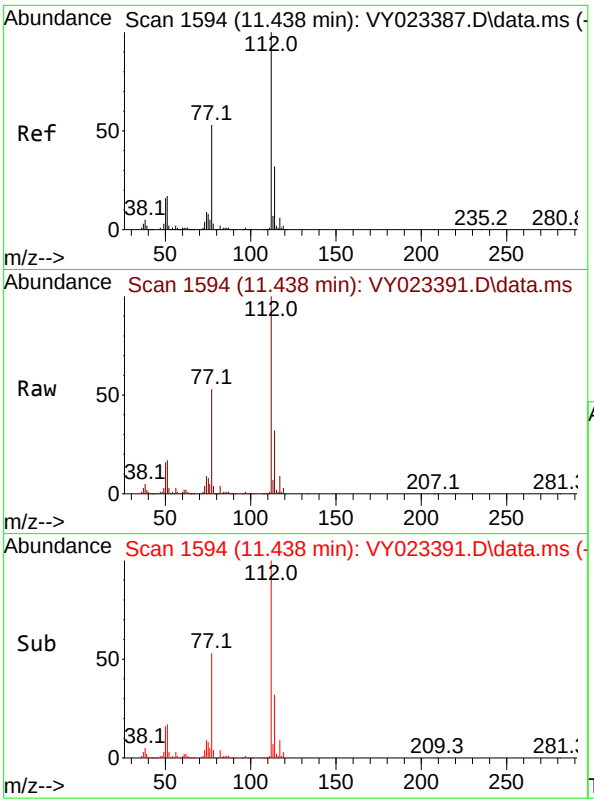


#64
Tetrachloroethene
Concen: 48.087 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

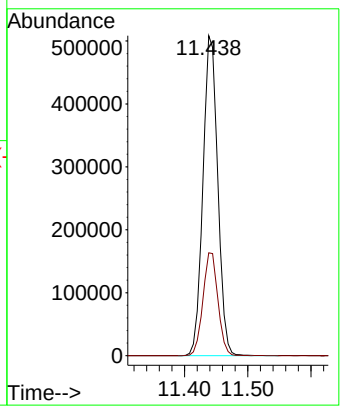




#65
Chlorobenzene
Concen: 49.381 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:112 Resp: 82846

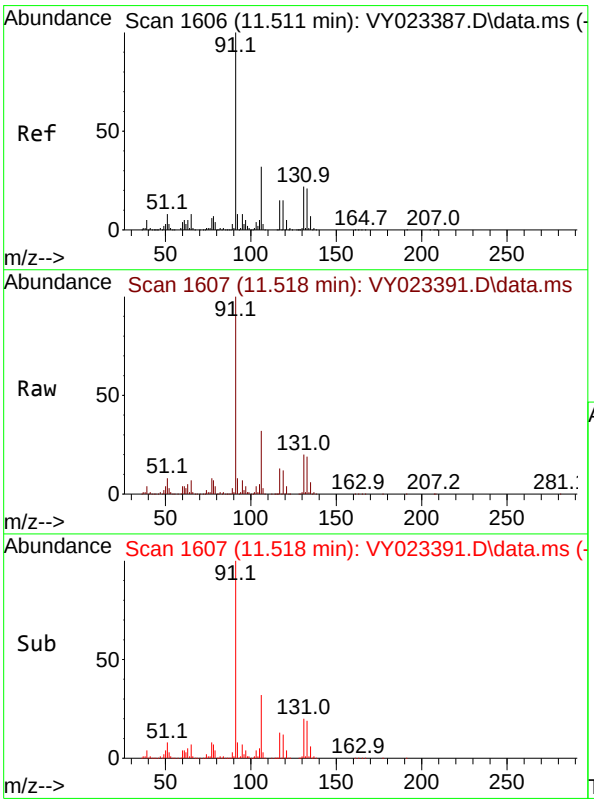
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

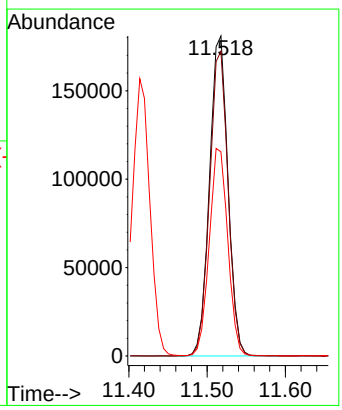
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

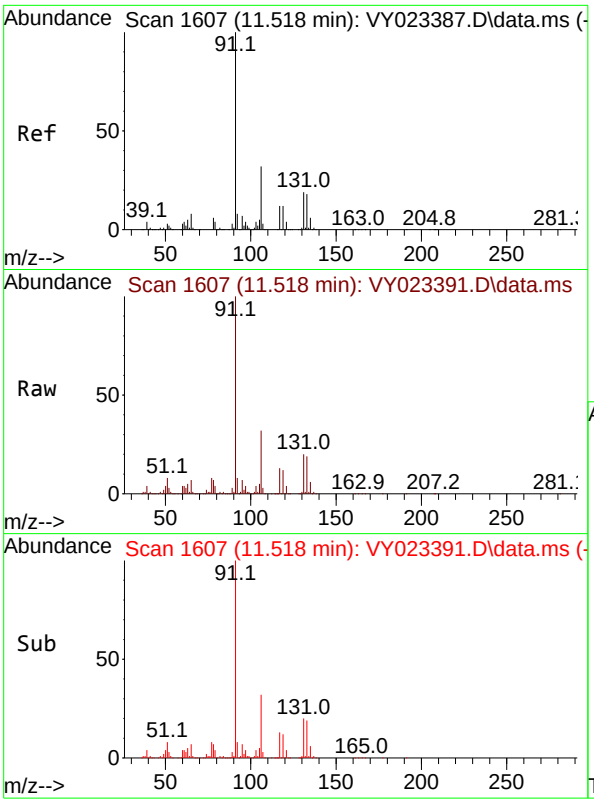


#66
1,1,1,2-Tetrachloroethane
Concen: 49.537 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

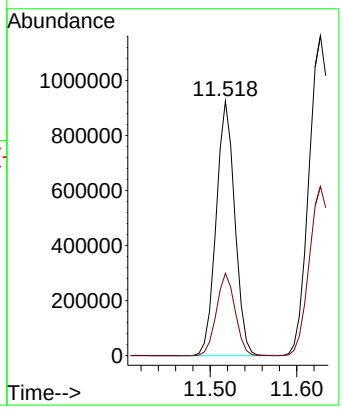




#67
Ethyl Benzene
Concen: 50.841 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 138069

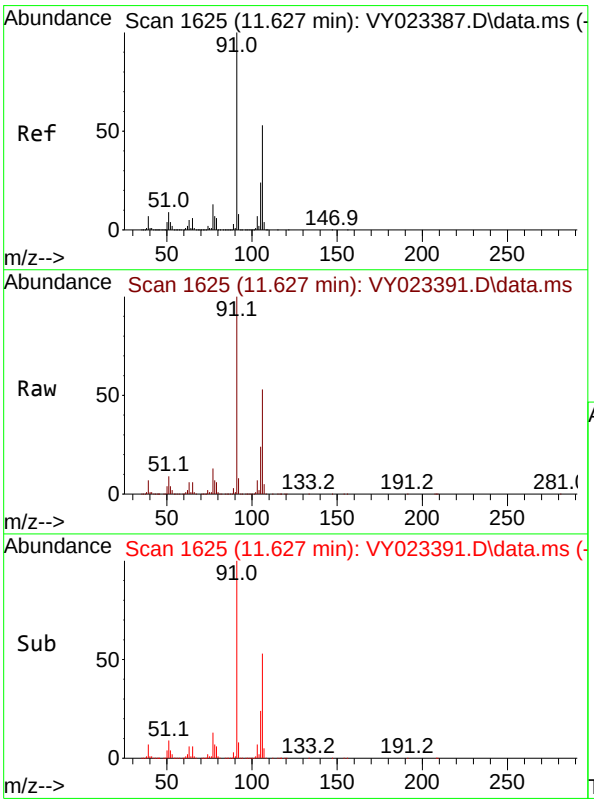
Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

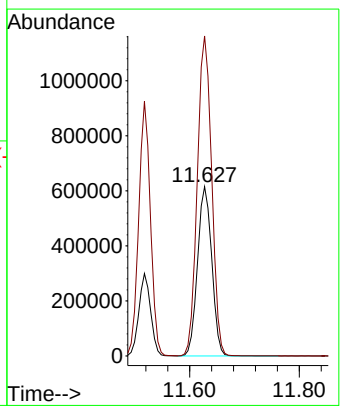
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

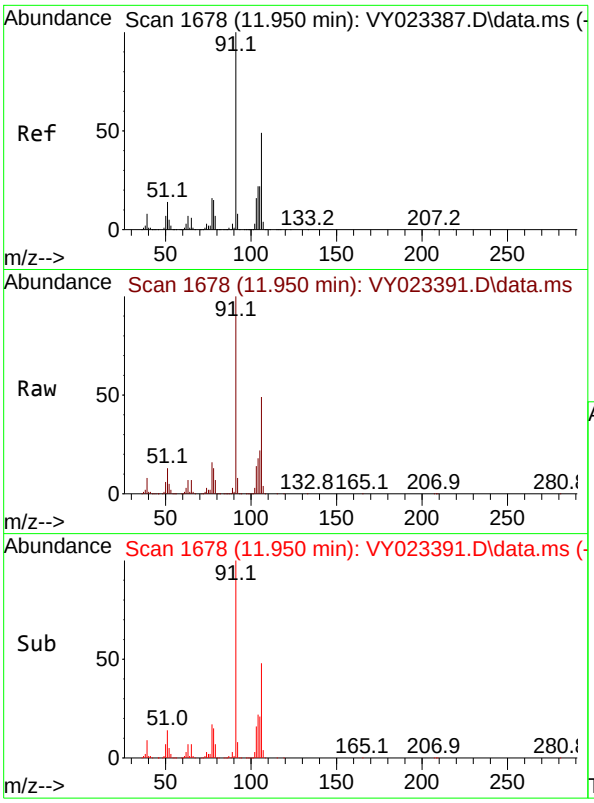


#68
m/p-Xylenes
Concen: 101.757 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:106 Resp: 1108386

Ion	Ratio	Lower	Upper
106	100		
91	190.7	152.6	229.0

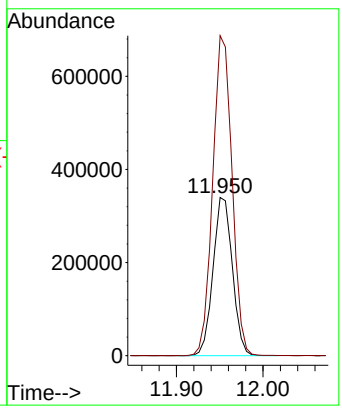




#69
o-Xylene
Concen: 51.577 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:106 Resp: 52695

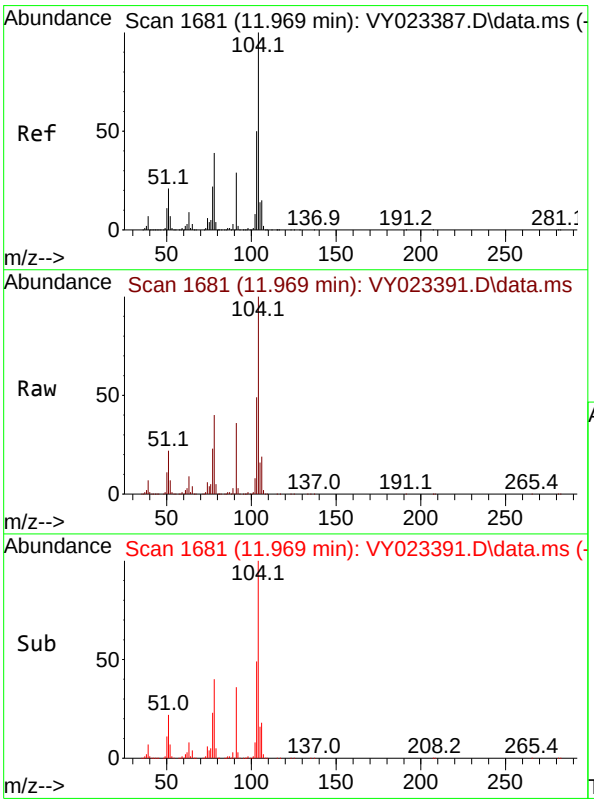
Ion	Ratio	Lower	Upper
106	100		
91	202.1	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

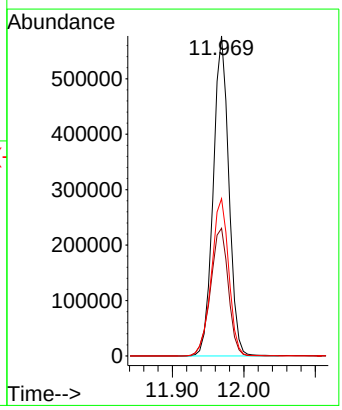
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

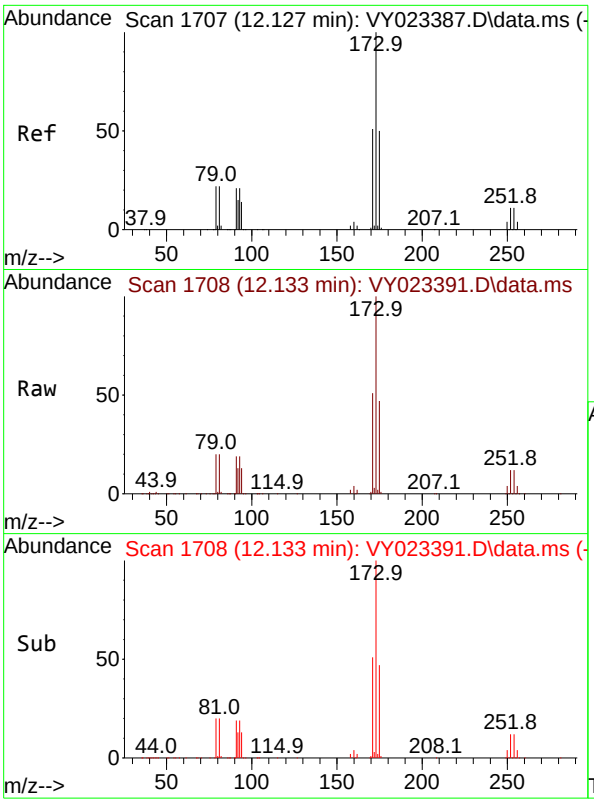


#70
Styrene
Concen: 52.122 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

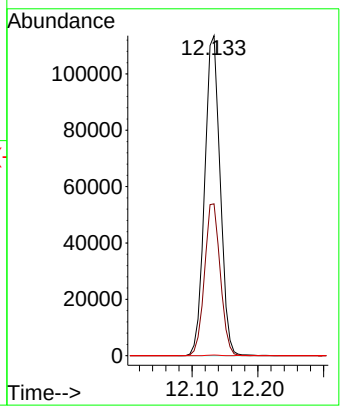




#71
Bromoform
Concen: 50.070 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:173 Resp: 18568

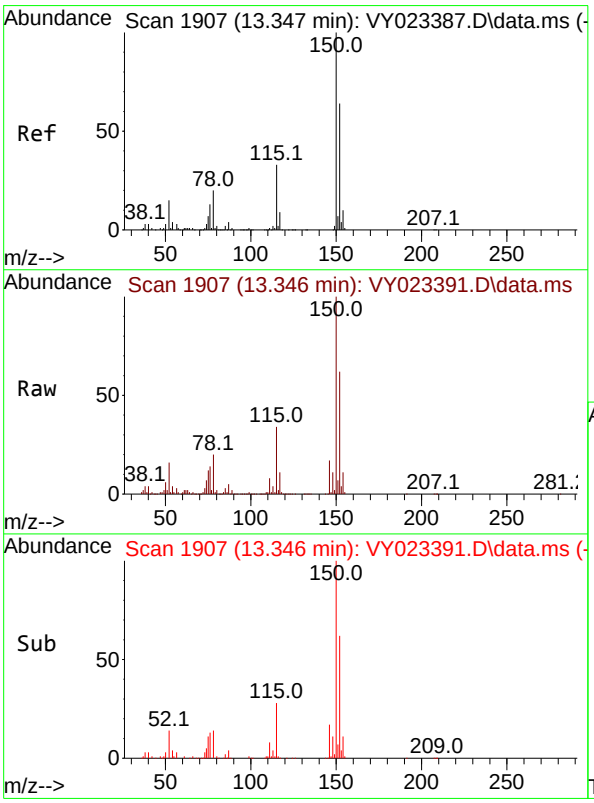
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.8	74.3
254	0.2	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations APPROVED

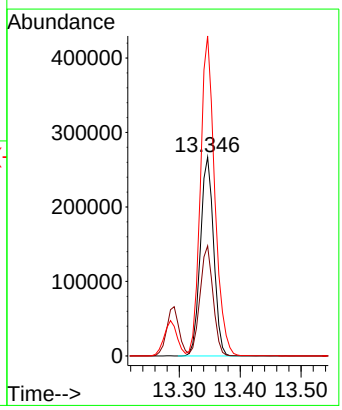
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

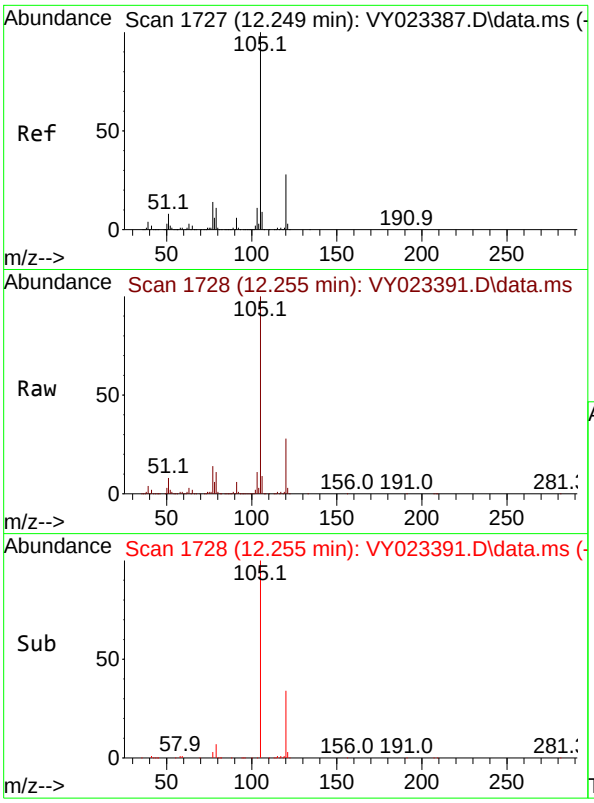


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

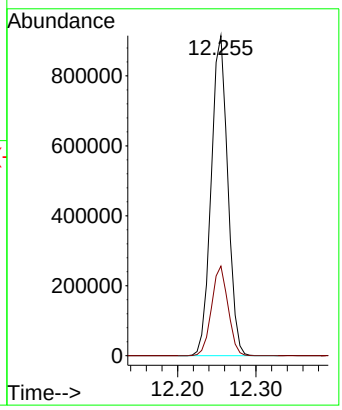




#73
Isopropylbenzene
Concen: 50.318 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 134510

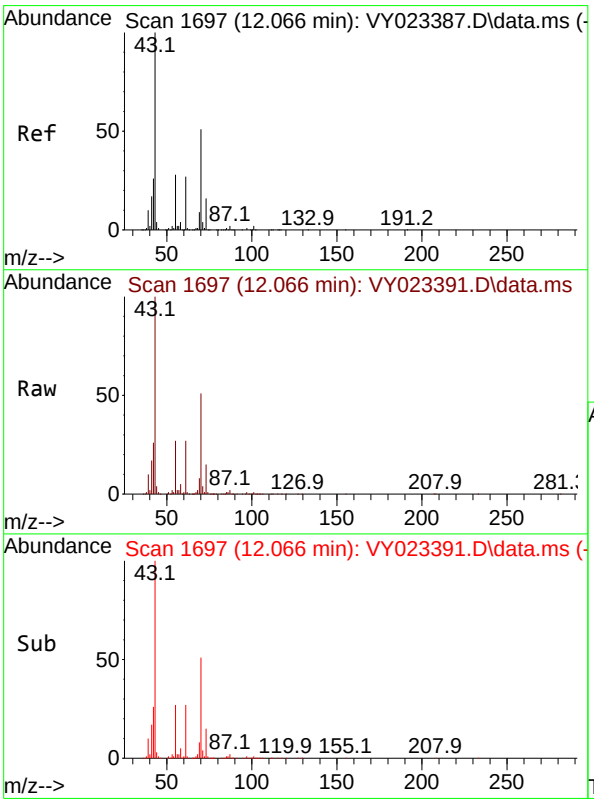
Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

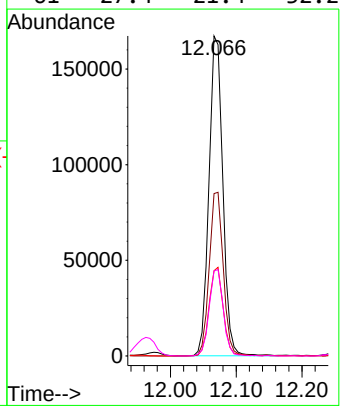
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

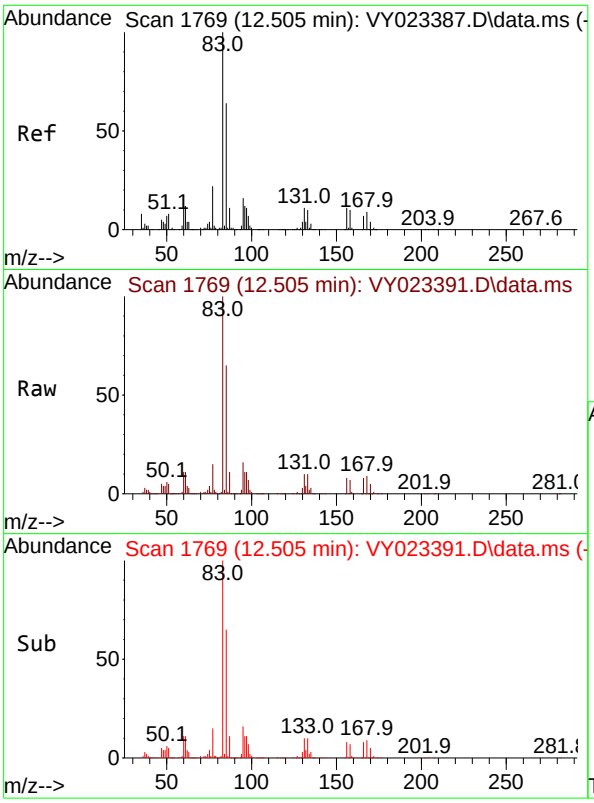


#74
N-amyl acetate
Concen: 51.087 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

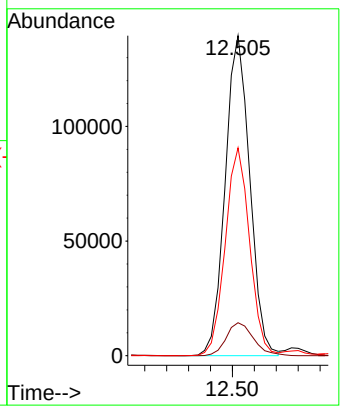




#75
1,1,2,2-Tetrachloroethane
Concen: 49.688 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 83 Resp: 21724

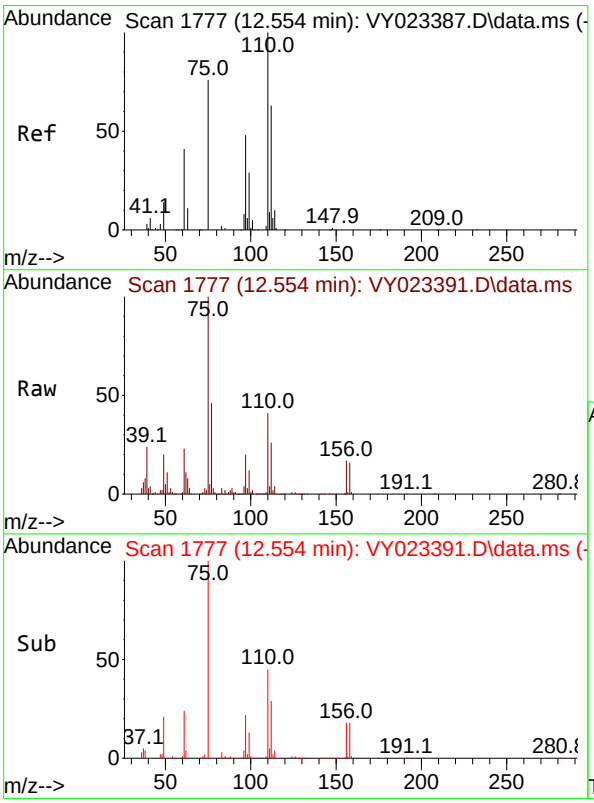
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.9	17.6
85	64.4	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

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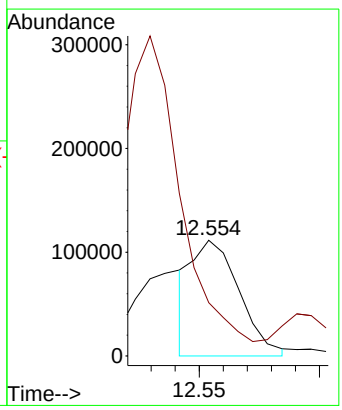
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

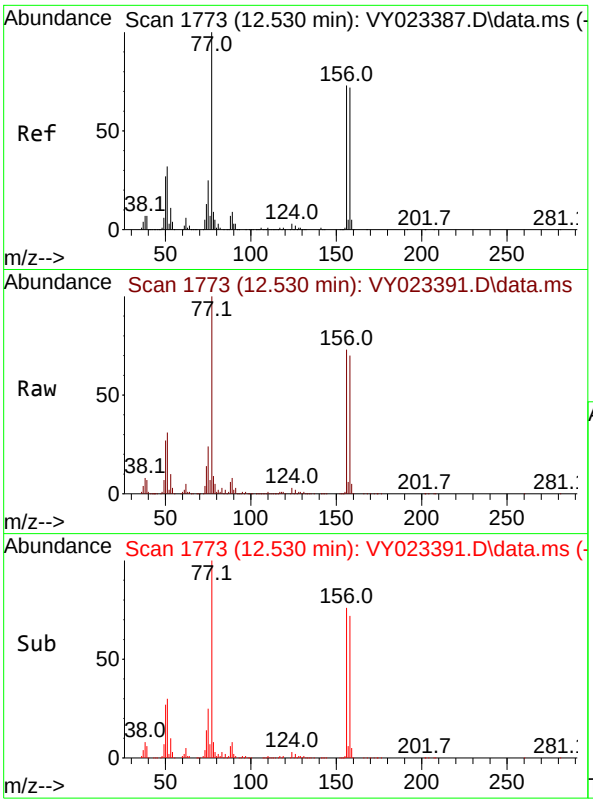


#76
1,2,3-Trichloropropane
Concen: 42.874 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 153438

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

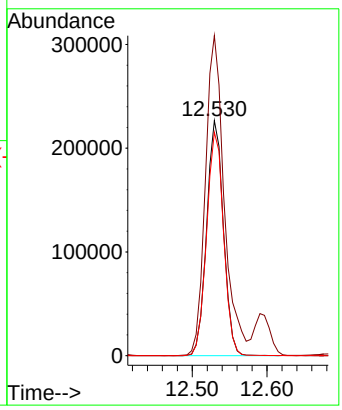




#77
Bromobenzene
Concen: 49.590 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:156 Resp: 35242

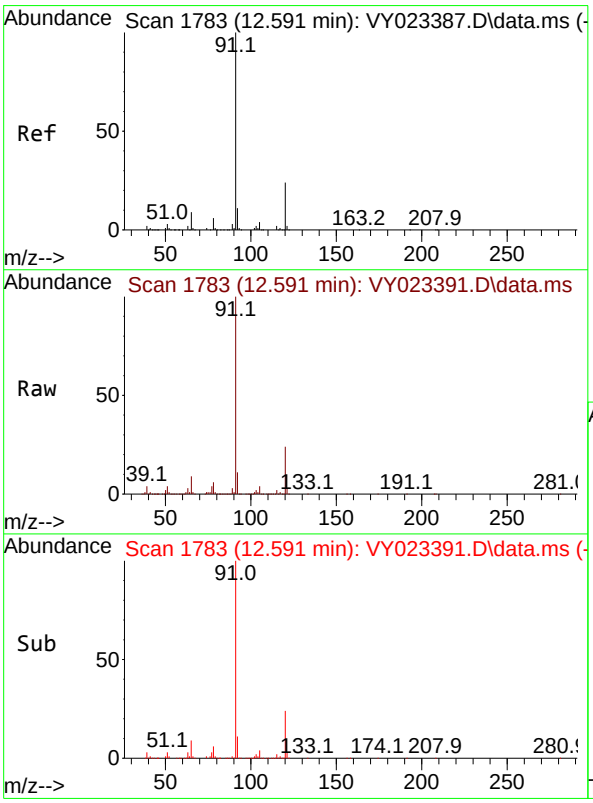
Ion	Ratio	Lower	Upper
156	100		
77	152.8	76.8	230.5
158	96.5	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

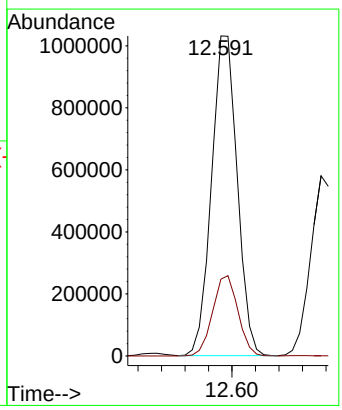
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

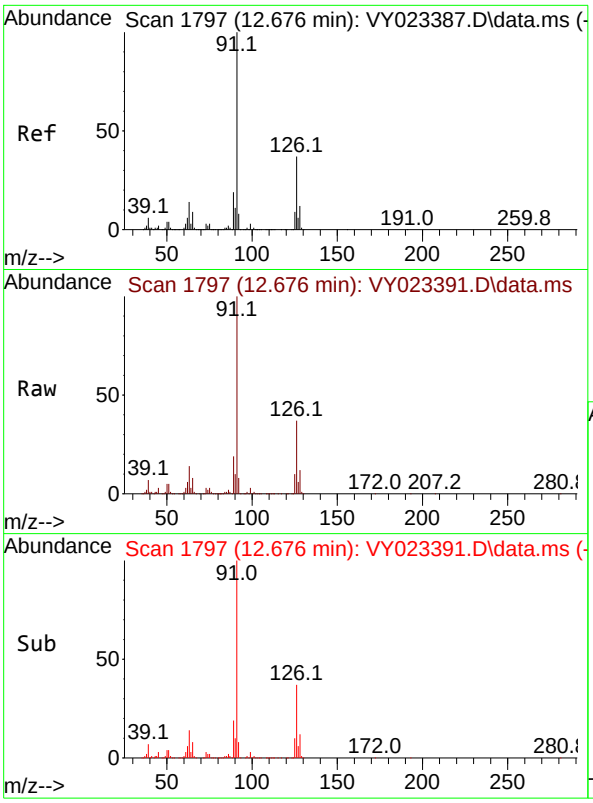


#78
n-propylbenzene
Concen: 50.694 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 1568180

Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.8

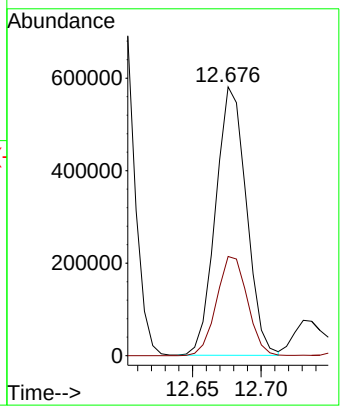




#79
2-Chlorotoluene
Concen: 50.047 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 90661

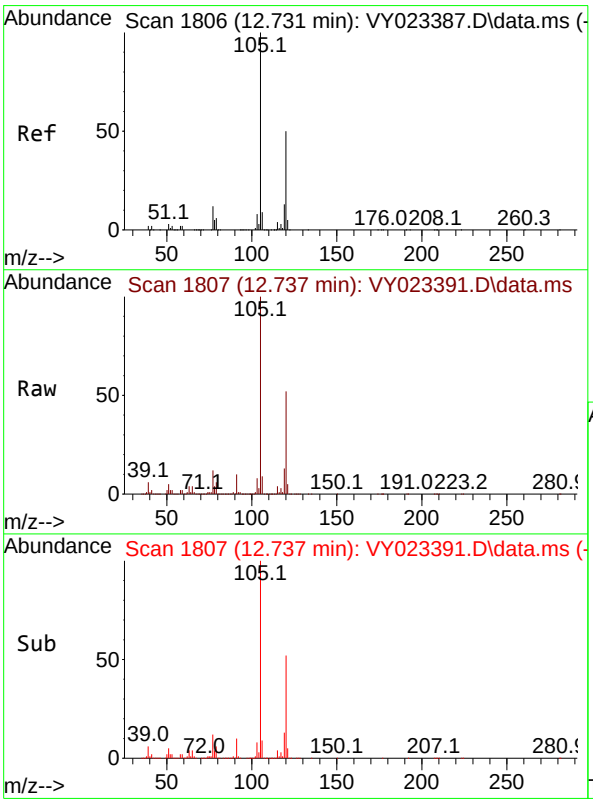
Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

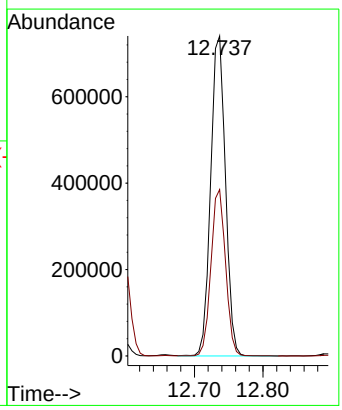
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

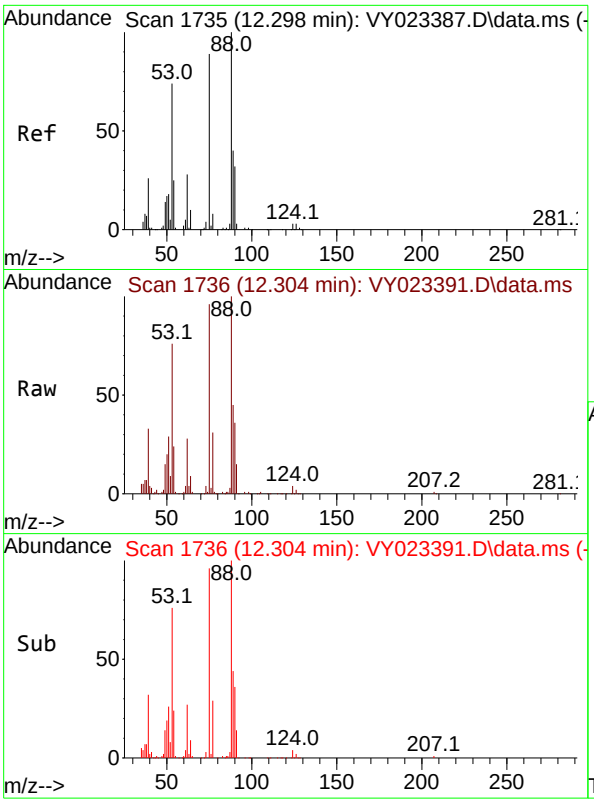


#80
1,3,5-Trimethylbenzene
Concen: 51.231 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 1106664

Ion	Ratio	Lower	Upper
105	100		
120	51.4	25.4	76.4

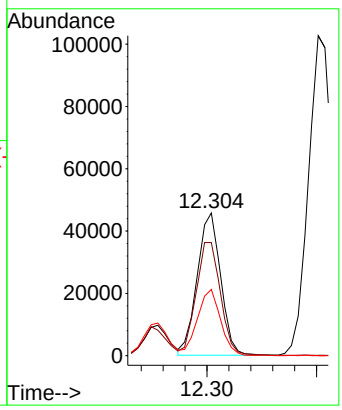




#81
trans-1,4-Dichloro-2-butene
Concen: 46.566 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 75 Resp: 6795

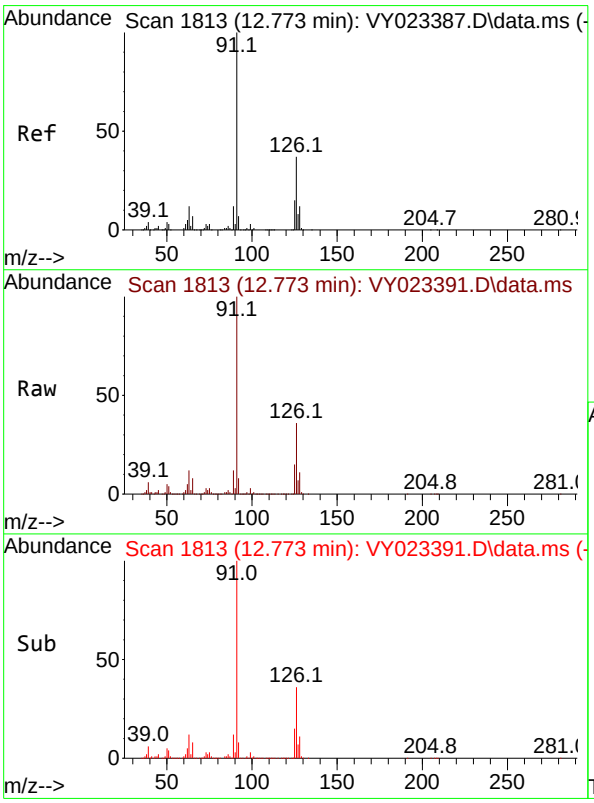
Ion	Ratio	Lower	Upper
75	100		
53	82.6	68.6	102.8
89	46.5	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

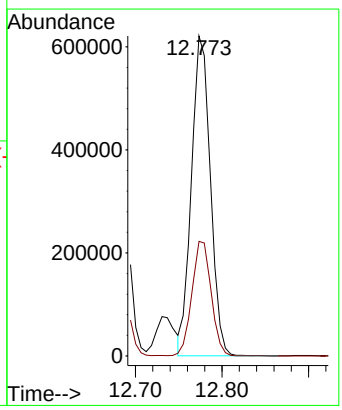
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

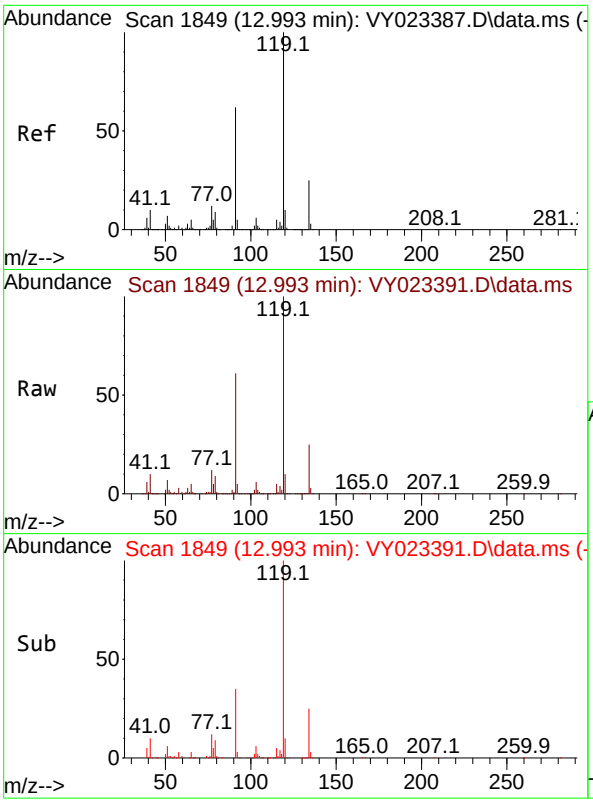


#82
4-Chlorotoluene
Concen: 50.455 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion: 91 Resp: 941314

Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.4	55.4

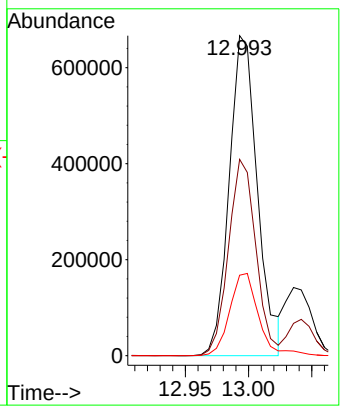




#83
tert-Butylbenzene
Concen: 52.019 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:119 Resp: 103751

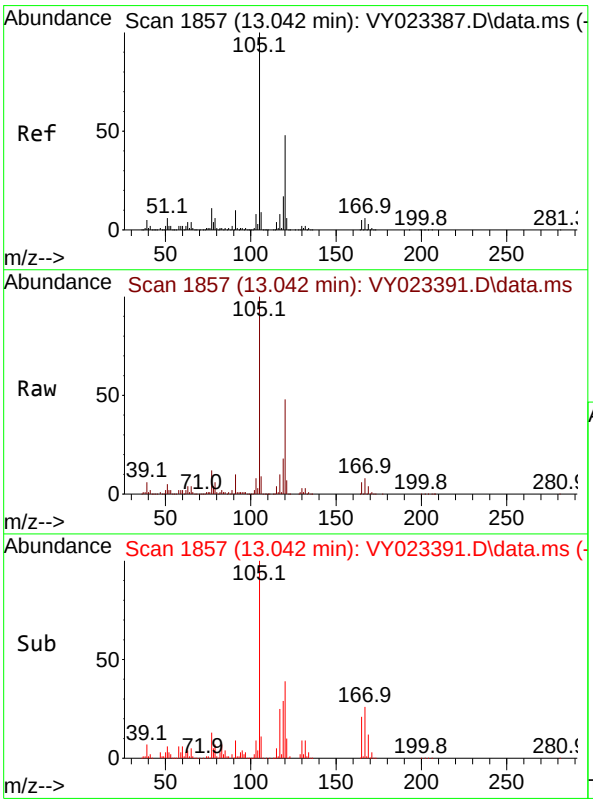
Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.9	89.8
134	26.3	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

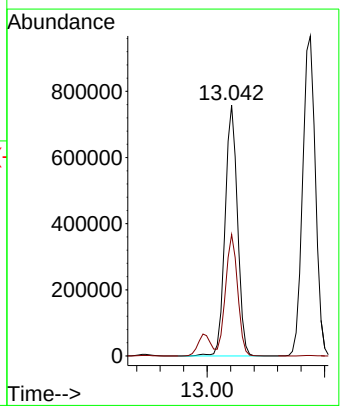
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

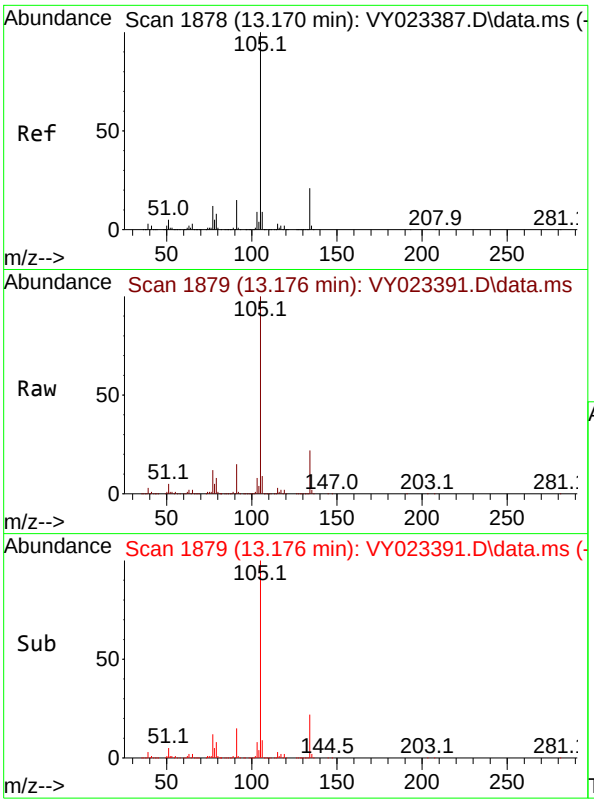


#84
1,2,4-Trimethylbenzene
Concen: 51.520 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 1110672

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.2

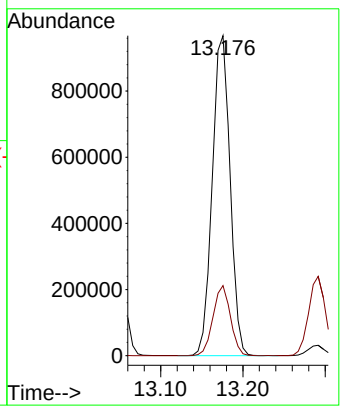




#85
sec-Butylbenzene
Concen: 50.848 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:105 Resp: 145477

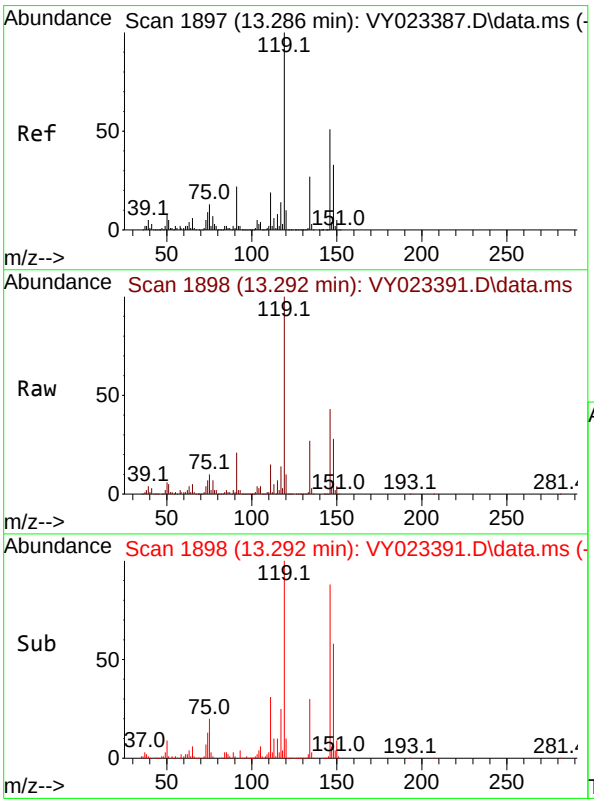
Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

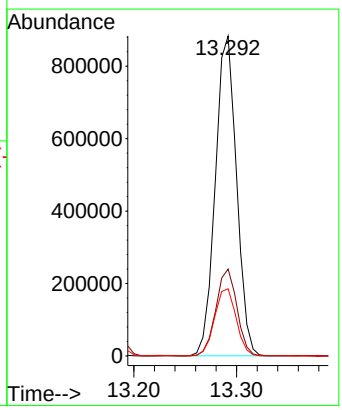
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

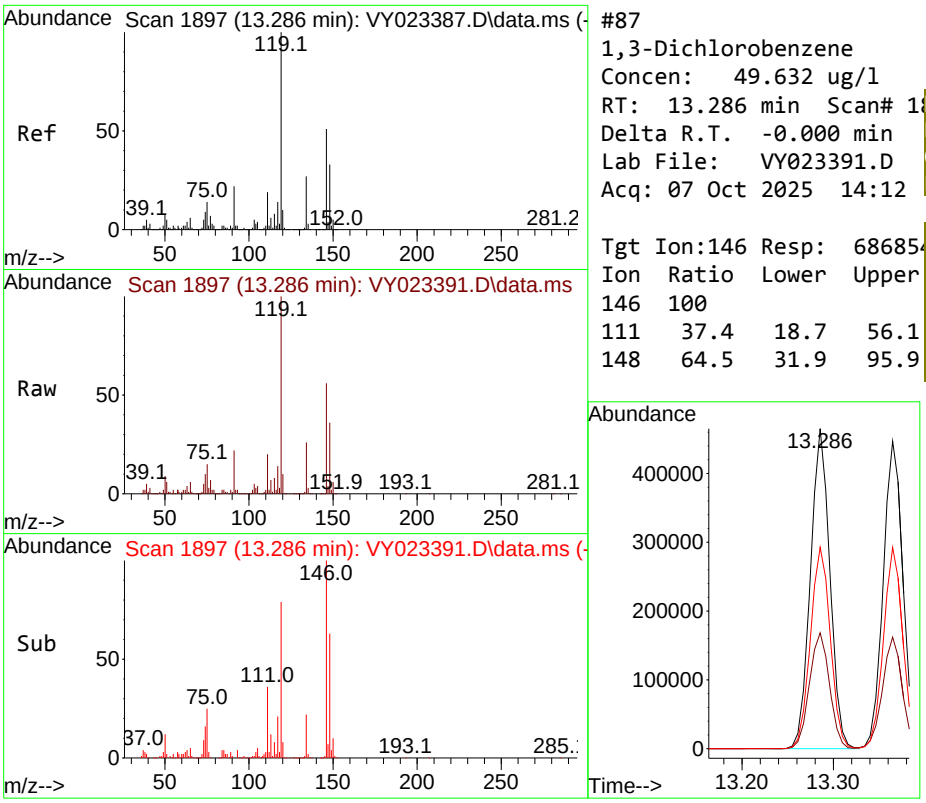


#86
p-Isopropyltoluene
Concen: 51.864 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

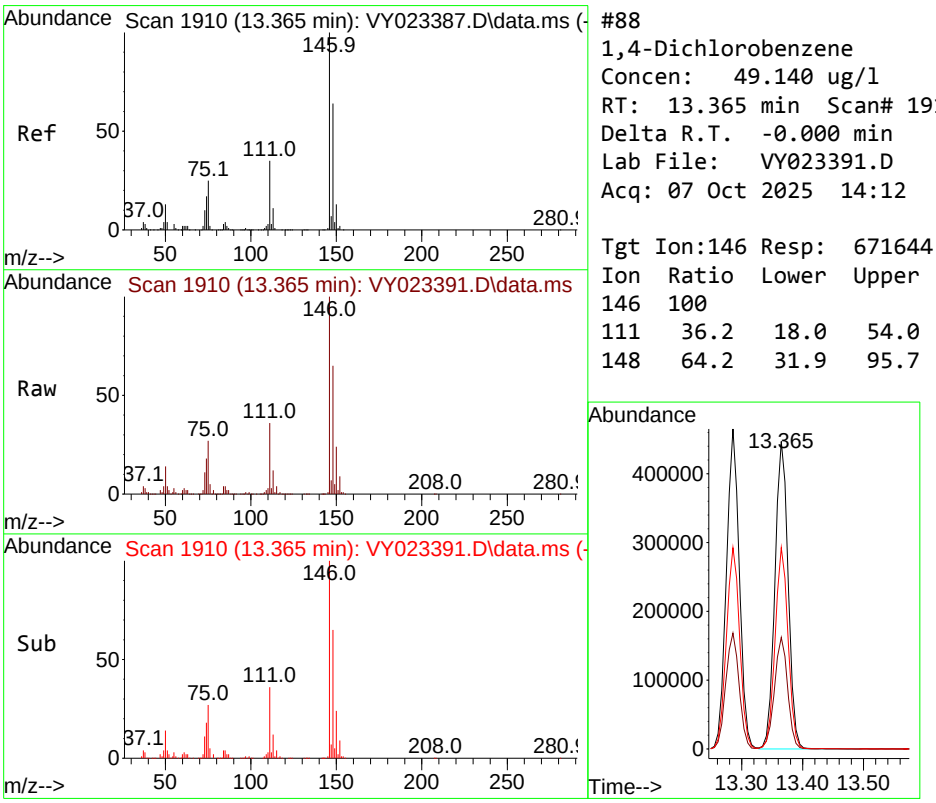
Tgt Ion:146 Resp: 68685

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
APPROVED

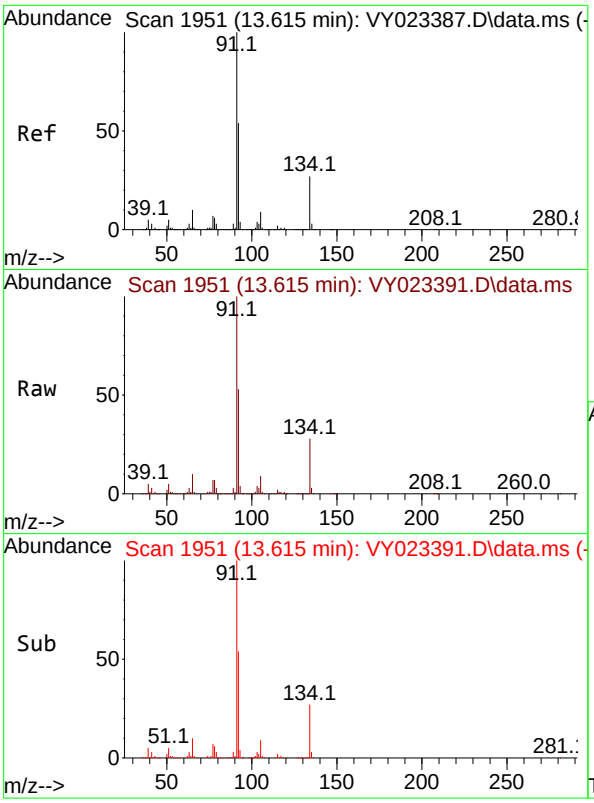
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

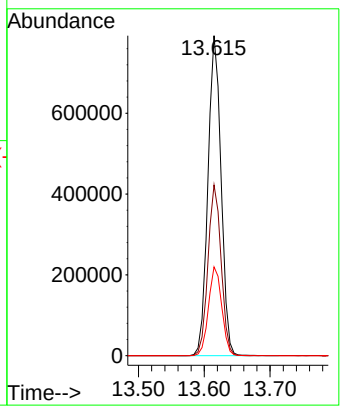
Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.0	54.0
148	64.2	31.9	95.7



#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

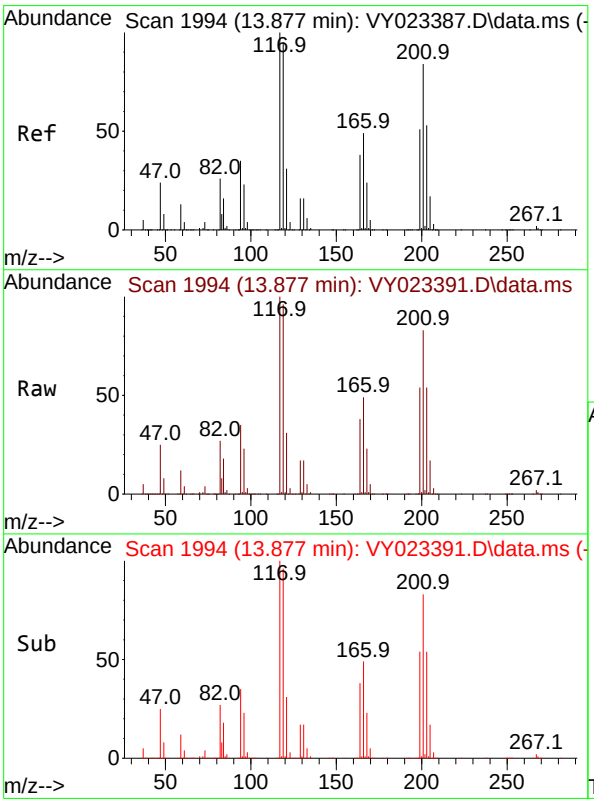
Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	80.8
134	28.1	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

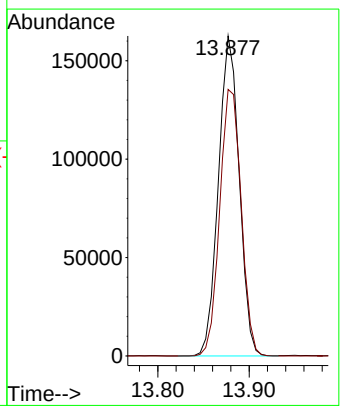
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

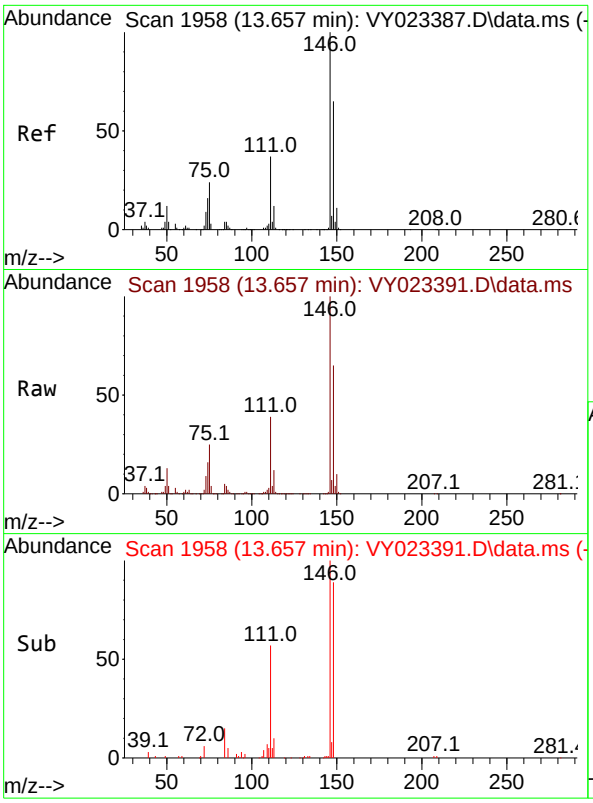


#90
Hexachloroethane
Concen: 49.116 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:117 Resp: 257335

Ion	Ratio	Lower	Upper
117	100		
201	85.7	43.8	131.4

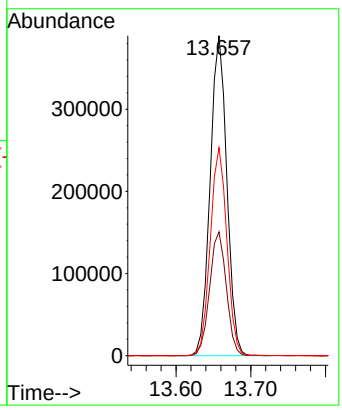




#91
1,2-Dichlorobenzene
Concen: 49.698 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:146 Resp: 60298

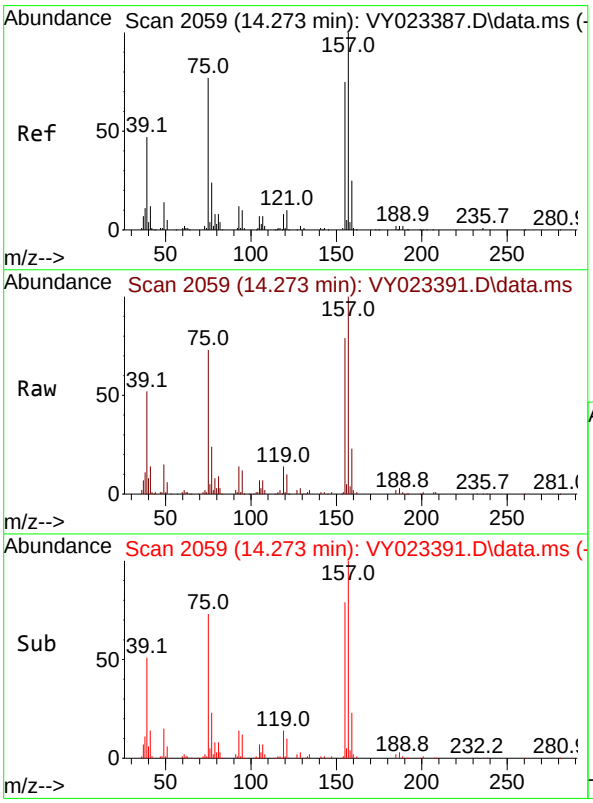
Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.8	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

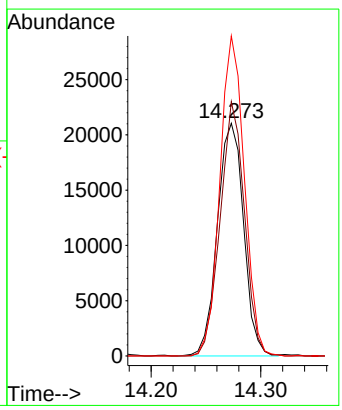
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

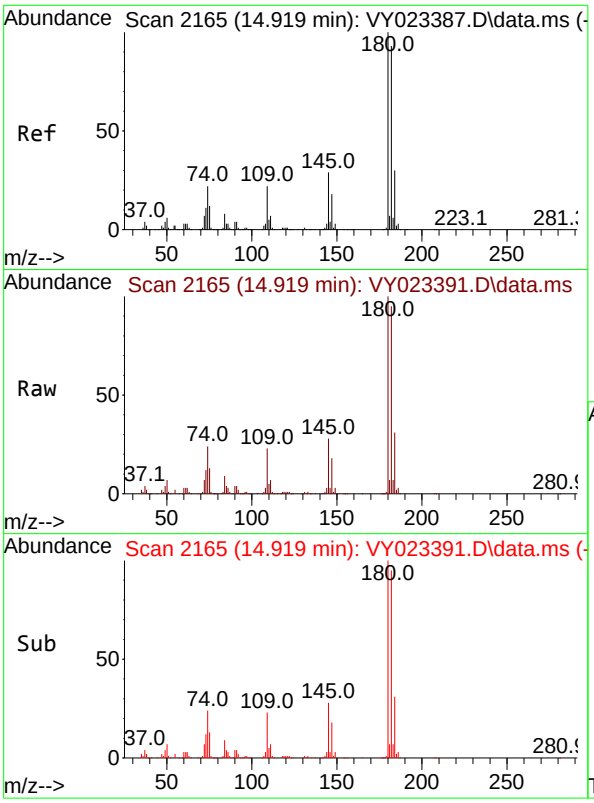


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.687 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

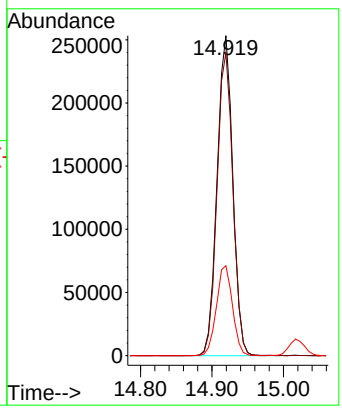




#93
1,2,4-Trichlorobenzene
Concen: 51.138 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:180 Resp: 38680

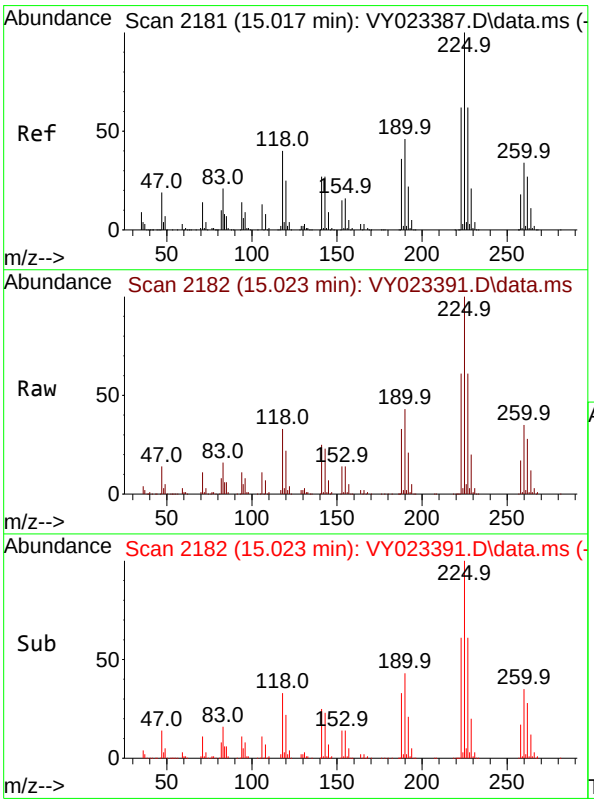
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.6
145	28.8	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

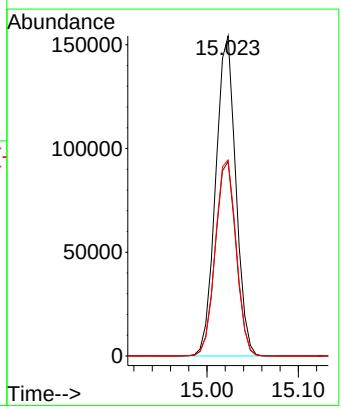
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

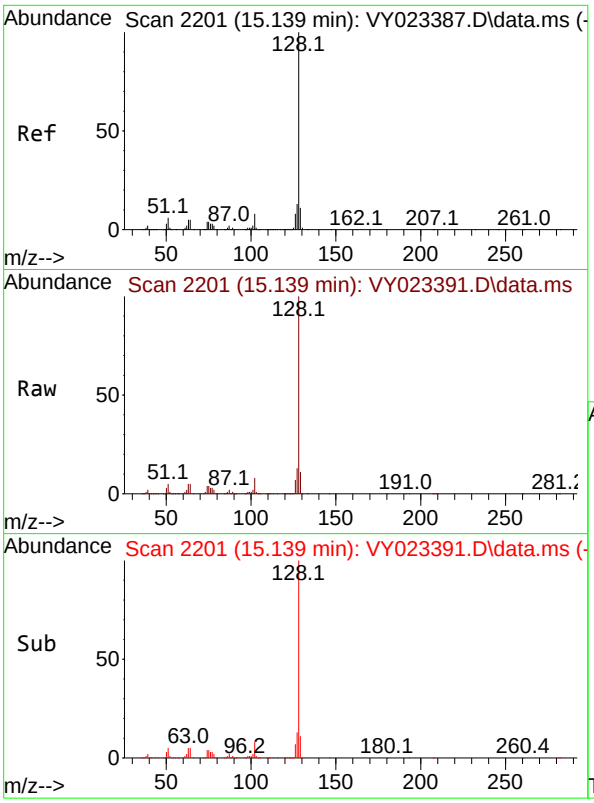


#94
Hexachlorobutadiene
Concen: 50.061 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

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

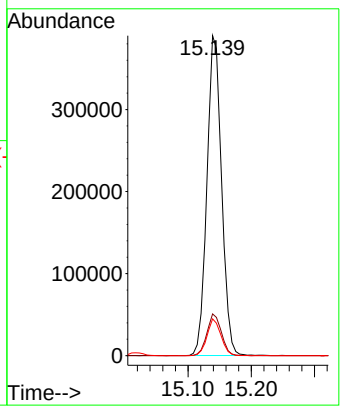




#95
Naphthalene
Concen: 52.154 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023391.D
Acq: 07 Oct 2025 14:12

Tgt Ion:128 Resp: 62819

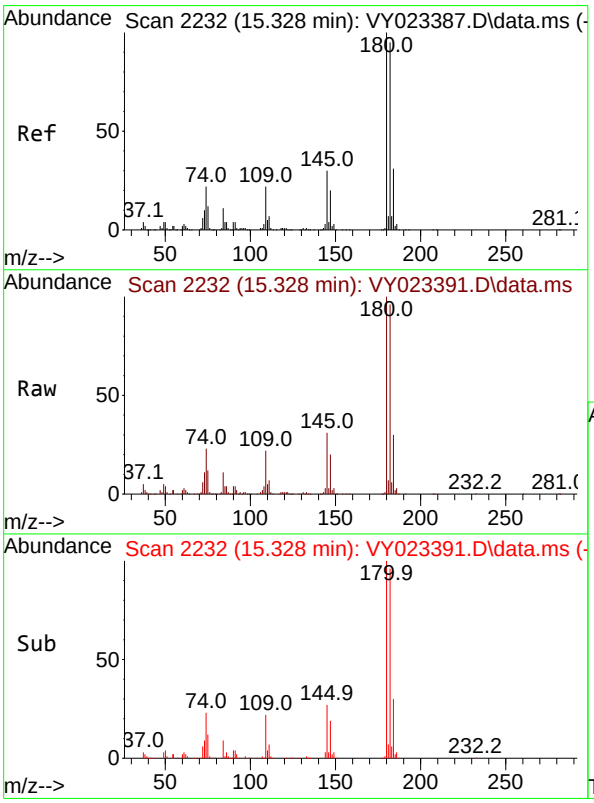
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY100725

Manual Integrations
APPROVED

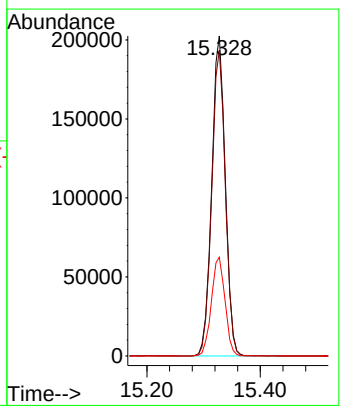
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#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

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

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

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

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

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

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

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.: Q3422

Instrument ID: MSVOA_X | Calibration Date/Time: 11/03/2025 09:14

Lab File ID: VX048445.D | Init. Calib. Date(s): 10/29/2025 10/29/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 11:12 13:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.510	0.440		-13.73	20
Chloromethane	0.288	0.260	0.1	-9.72	20
Vinyl Chloride	0.665	0.635		-4.51	20
Bromomethane	0.240	0.250		4.17	20
Chloroethane	0.395	0.378		-4.3	20
Trichlorofluoromethane	1.019	0.953		-6.48	20
1,1,2-Trichlorotrifluoroethane	0.573	0.569		-0.7	20
1,1-Dichloroethene	0.582	0.593		1.89	20
Acetone	0.163	0.156		-4.29	20
Carbon Disulfide	1.669	1.411		-15.46	20
Methyl tert-butyl Ether	1.864	1.651		-11.43	20
Methyl Acetate	0.545	0.458		-15.96	20
Methylene Chloride	0.628	0.543		-13.53	20
trans-1,2-Dichloroethene	0.618	0.522		-15.53	20
1,1-Dichloroethane	1.145	0.990	0.1	-13.54	20
Cyclohexane	0.994	0.888		-10.66	20
2-Butanone	0.260	0.218		-16.15	20
Carbon Tetrachloride	0.553	0.609		10.13	20
cis-1,2-Dichloroethene	0.738	0.611		-17.21	20
Bromochloromethane	0.519	0.550		5.97	20
Chloroform	1.178	1.091		-7.39	20
1,1,1-Trichloroethane	1.040	1.003		-3.56	20
Methylcyclohexane	0.616	0.548		-11.04	20
Benzene	1.462	1.691		15.66	20
1,2-Dichloroethane	0.515	0.594		15.34	20
Trichloroethene	0.383	0.366		-4.44	20
1,2-Dichloropropane	0.365	0.354		-3.01	20
Bromodichloromethane	0.543	0.581		7	20
4-Methyl-2-Pentanone	0.375	0.363		-3.2	20
Toluene	0.914	0.880		-3.72	20
t-1,3-Dichloropropene	0.492	0.517		5.08	20
cis-1,3-Dichloropropene	0.531	0.542		2.07	20
1,1,2-Trichloroethane	0.331	0.322		-2.72	20
2-Hexanone	0.244	0.235		-3.69	20
Dibromochloromethane	0.409	0.419		2.44	20
1,2-Dibromoethane	0.342	0.342		0	20
Tetrachloroethene	0.403	0.374		-7.2	20
Chlorobenzene	1.152	1.076	0.3	-6.6	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO02
Lab Code:	ACE	SDG No.:	Q3422
Instrument ID:	MSVOA_X	Calibration Date/Time:	11/03/2025 09:14
Lab File ID:	VX048445.D	Init. Calib. Date(s):	10/29/2025 10/29/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	11:12 13:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.940	1.879		-3.14	20
m/p-Xylenes	0.734	0.704		-4.09	20
o-Xylene	0.702	0.676		-3.7	20
Styrene	1.189	1.172		-1.43	20
Bromoform	0.283	0.286	0.1	1.06	20
Isopropylbenzene	3.698	4.029		8.95	20
1,1,2,2-Tetrachloroethane	0.937	1.000	0.3	6.72	20
1,3-Dichlorobenzene	1.745	1.647		-5.62	20
1,4-Dichlorobenzene	1.777	1.651		-7.09	20
1,2-Dichlorobenzene	1.617	1.555		-3.83	20
1,2-Dibromo-3-Chloropropane	0.183	0.179		-2.19	20
1,2,4-Trichlorobenzene	1.116	1.006		-9.86	20
1,2,3-Trichlorobenzene	1.013	0.928		-8.39	20
1,2-Dichloroethane-d4	0.719	0.649		-9.74	20
Dibromofluoromethane	0.285	0.346		21.4	20
Toluene-d8	1.258	1.255		-0.24	20
4-Bromofluorobenzene	0.471	0.531		12.74	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048445.D
Acq On : 03 Nov 2025 09:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 00:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	182398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	256609	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	229985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	116056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	118382	45.129	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.260%			
35) Dibromofluoromethane	5.361	113	88789	60.689	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.380%			
50) Toluene-d8	8.629	98	321993	49.858	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.720%			
62) 4-Bromofluorobenzene	11.061	95	136256	56.400	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	80323	43.172	ug/l	98
3) Chloromethane	1.301	50	47366	45.122	ug/l	100
4) Vinyl Chloride	1.380	62	115770	47.743	ug/l	98
5) Bromomethane	1.618	94	45510	51.955	ug/l	98
6) Chloroethane	1.697	64	68875	47.761	ug/l	97
7) Trichlorofluoromethane	1.892	101	173736	46.755	ug/l	98
8) Diethyl Ether	2.130	74	69422	51.692	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	103874	49.697	ug/l	95
10) Methyl Iodide	2.453	142	335677	39.939	ug/l	97
11) Tert butyl alcohol	2.934	59	41547	206.732	ug/l	99
12) 1,1-Dichloroethene	2.325	96	108150	50.941	ug/l	85
13) Acrolein	2.233	56	106478	253.826	ug/l	98
14) Allyl chloride	2.660	41	148787	41.384	ug/l	93
15) Acrylonitrile	3.050	53	188540	206.221	ug/l	98
16) Acetone	2.368	43	141878	238.641	ug/l	98
17) Carbon Disulfide	2.514	76	257433	42.290	ug/l	100
18) Methyl Acetate	2.691	43	83551	42.019	ug/l	96
19) Methyl tert-butyl Ether	3.099	73	301094	44.288	ug/l	97
20) Methylene Chloride	2.782	84	99078	43.232	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	95232	42.231	ug/l	98
22) Diisopropyl ether	3.739	45	322329	43.800	ug/l	96
23) Vinyl Acetate	3.703	43	1125255	224.625	ug/l	99
24) 1,1-Dichloroethane	3.599	63	180483	43.215	ug/l	99
25) 2-Butanone	4.532	43	198913	209.435	ug/l	100
26) 2,2-Dichloropropane	4.459	77	161000	44.773	ug/l	97
27) cis-1,2-Dichloroethene	4.471	96	111359	41.377	ug/l	96
28) Bromochloromethane	4.873	49	100275	52.979	ug/l	91
29) Tetrahydrofuran	4.977	42	145571	215.222	ug/l	93
30) Chloroform	5.068	83	198984	46.316	ug/l	99
31) Cyclohexane	5.452	56	161912	44.663	ug/l	94
32) 1,1,1-Trichloroethane	5.361	97	182932	48.232	ug/l	100
36) 1,1-Dichloropropene	5.672	75	136164	55.422	ug/l	99
37) Ethyl Acetate	4.684	43	104468	49.908	ug/l #	95
38) Carbon Tetrachloride	5.660	117	156186	55.059	ug/l	99
39) Methylcyclohexane	7.361	83	140593	44.499	ug/l	95
40) Benzene	6.013	78	434013	57.824	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048445.D
Acq On : 03 Nov 2025 09:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 00:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	63412	60.144	ug/l		96
42) 1,2-Dichloroethane	6.062	62	152527	57.694	ug/l		99
43) Isopropyl Acetate	6.312	43	173495	50.203	ug/l		99
44) Trichloroethene	7.104	130	93867	47.733	ug/l		95
45) 1,2-Dichloropropane	7.409	63	90739	48.407	ug/l		99
46) Dibromomethane	7.562	93	68145	51.930	ug/l		98
47) Bromodichloromethane	7.799	83	149137	53.490	ug/l		95
48) Methyl methacrylate	7.671	41	86418	51.278	ug/l		96
49) 1,4-Dioxane	7.635	88	19570	1021.643	ug/l		90
51) 4-Methyl-2-Pentanone	8.549	43	465409	241.985	ug/l		100
52) Toluene	8.702	92	225707	48.125	ug/l		100
53) t-1,3-Dichloropropene	8.958	75	132742	52.527	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	139107	51.090	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	82677	48.713	ug/l		98
56) Ethyl methacrylate	9.098	69	120750	48.587	ug/l		96
57) 1,3-Dichloropropane	9.287	76	143672	48.821	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.220	63	365937	247.323	ug/l		98
59) 2-Hexanone	9.409	43	301500	240.921	ug/l		100
60) Dibromochloromethane	9.500	129	107504	51.215	ug/l		98
61) 1,2-Dibromoethane	9.592	107	87633	49.910	ug/l		96
64) Tetrachloroethene	9.257	164	85963	46.413	ug/l		94
65) Chlorobenzene	10.061	112	247361	46.686	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.140	131	90612	50.277	ug/l		99
67) Ethyl Benzene	10.177	91	432029	48.428	ug/l		99
68) m/p-Xylenes	10.281	106	324026	95.928	ug/l		99
69) o-Xylene	10.622	106	155411	48.147	ug/l		98
70) Styrene	10.634	104	269453	49.278	ug/l		99
71) Bromoform	10.781	173	65717	50.406	ug/l	#	99
73) Isopropylbenzene	10.945	105	467537	54.466	ug/l		99
74) N-amyl acetate	10.823	43	147742	48.246	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	116039	53.369	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	94762m	56.776	ug/l		
77) Bromobenzene	11.177	156	119277	56.251	ug/l		94
78) n-propylbenzene	11.287	91	549175	54.130	ug/l		97
79) 2-Chlorotoluene	11.342	91	299997	49.249	ug/l		97
80) 1,3,5-Trimethylbenzene	11.433	105	349288	49.639	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	27304	56.613	ug/l	#	58
82) 4-Chlorotoluene	11.433	91	341305	47.662	ug/l		96
83) tert-Butylbenzene	11.695	119	327090	45.660	ug/l		97
84) 1,2,4-Trimethylbenzene	11.732	105	337416	48.429	ug/l		98
85) sec-Butylbenzene	11.872	105	410644	46.005	ug/l		99
86) p-Isopropyltoluene	11.988	119	358216	47.470	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	191099	47.190	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	191596	46.453	ug/l		99
89) n-Butylbenzene	12.311	91	315963	44.596	ug/l		97
90) Hexachloroethane	12.518	117	66425	50.095	ug/l		93
91) 1,2-Dichlorobenzene	12.317	146	180428	48.080	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	20735	48.700	ug/l		89
93) 1,2,4-Trichlorobenzene	13.567	180	116787	45.100	ug/l		99
94) Hexachlorobutadiene	13.707	225	45216	41.627	ug/l		99
95) Naphthalene	13.756	128	299390	45.778	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	107645	45.765	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048445.D
Acq On : 03 Nov 2025 09:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 00:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

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

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

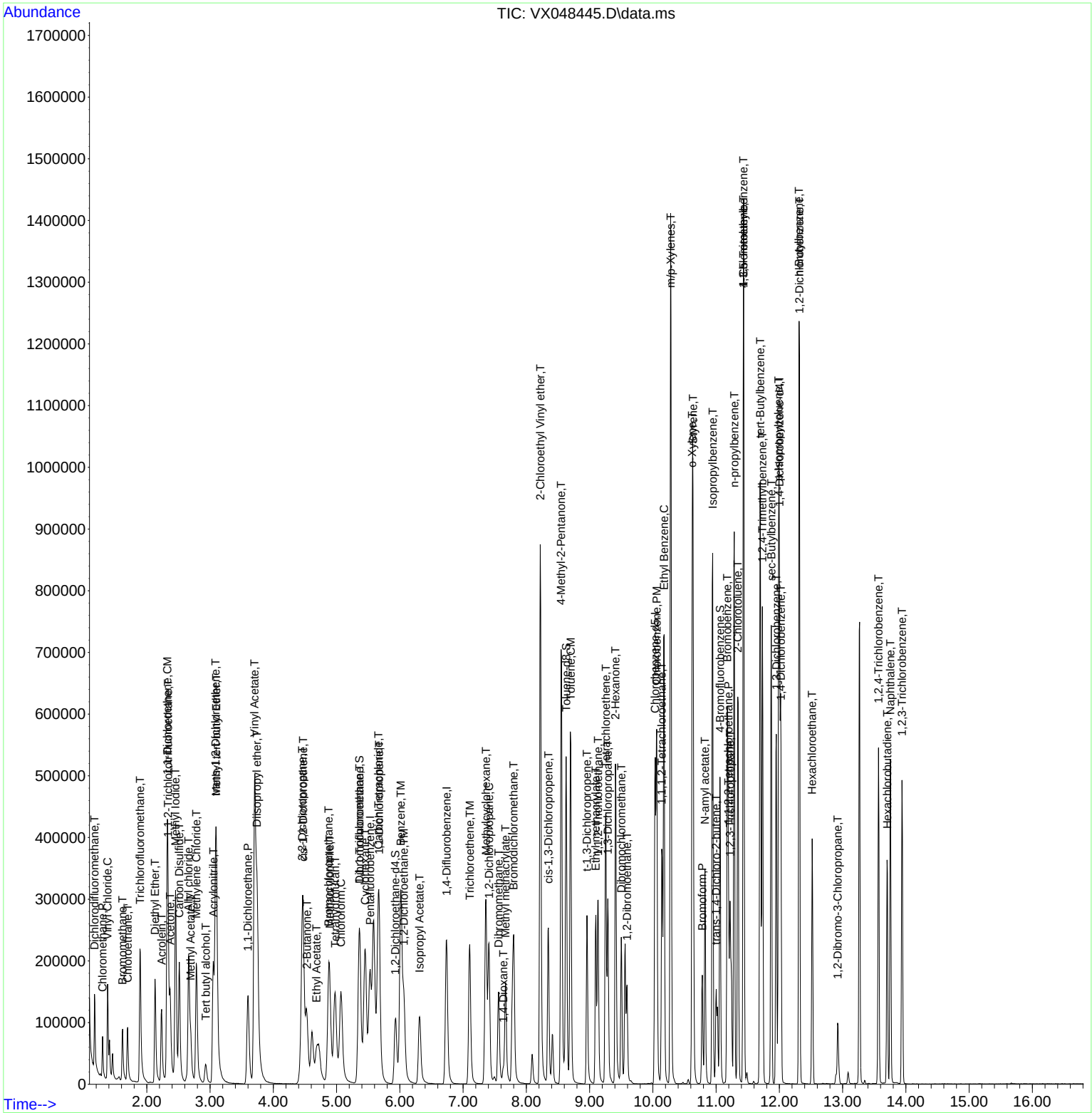
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048445.D
Acq On : 03 Nov 2025 09:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

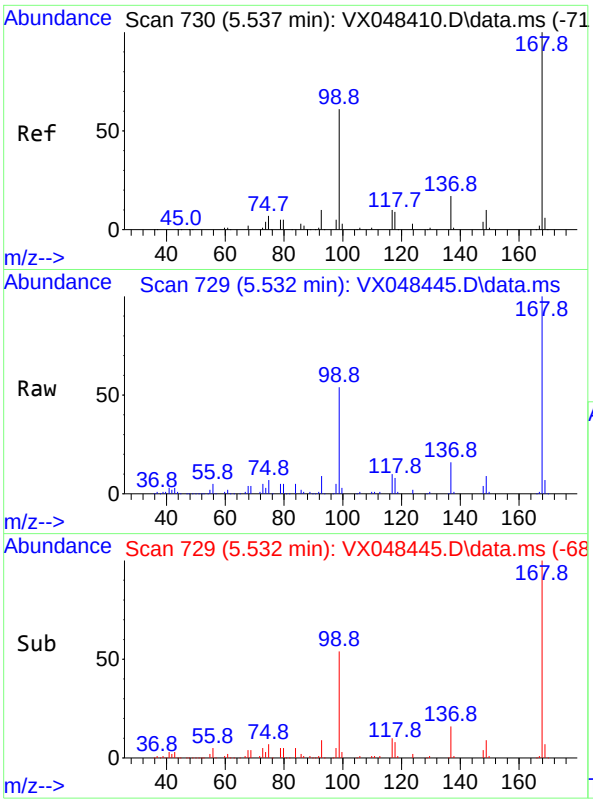
Quant Time: Nov 04 00:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

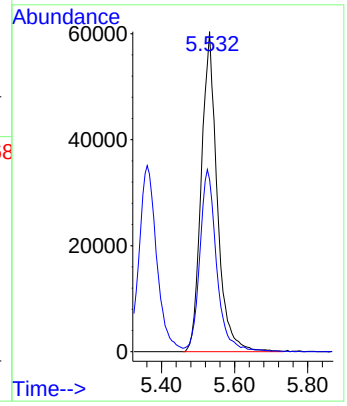




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.005 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:168 Resp: 18239

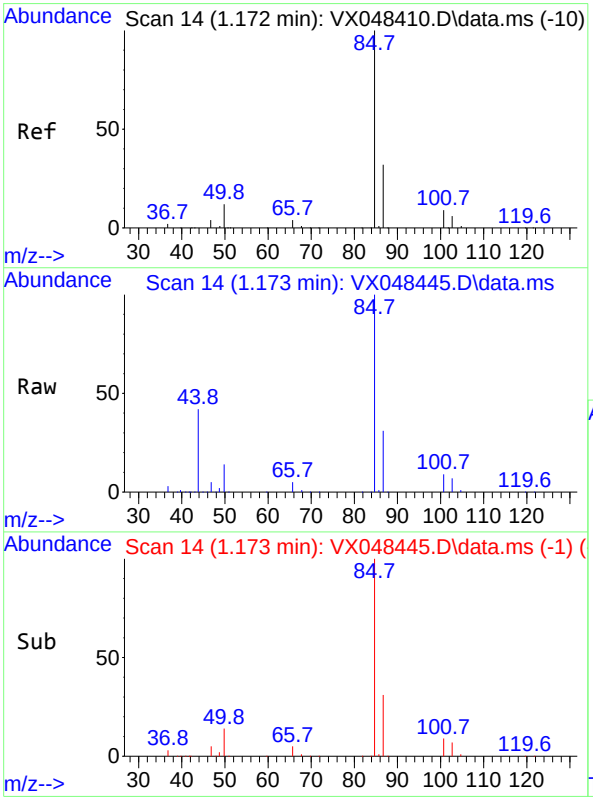
Ion	Ratio	Lower	Upper
168	100		
99	53.7	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

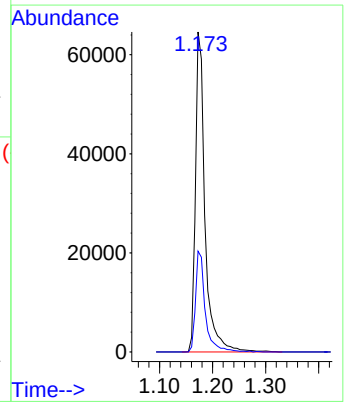
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

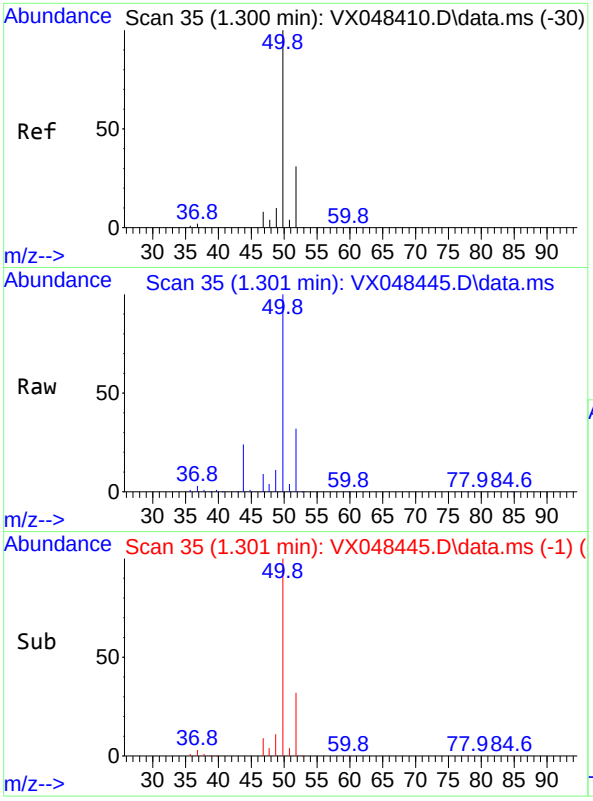


#2
Dichlorodifluoromethane
Concen: 43.172 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 85 Resp: 80323

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.3	45.9

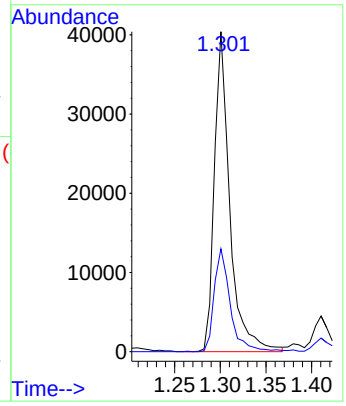




#3
Chloromethane
Concen: 45.122 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 50 Resp: 4736

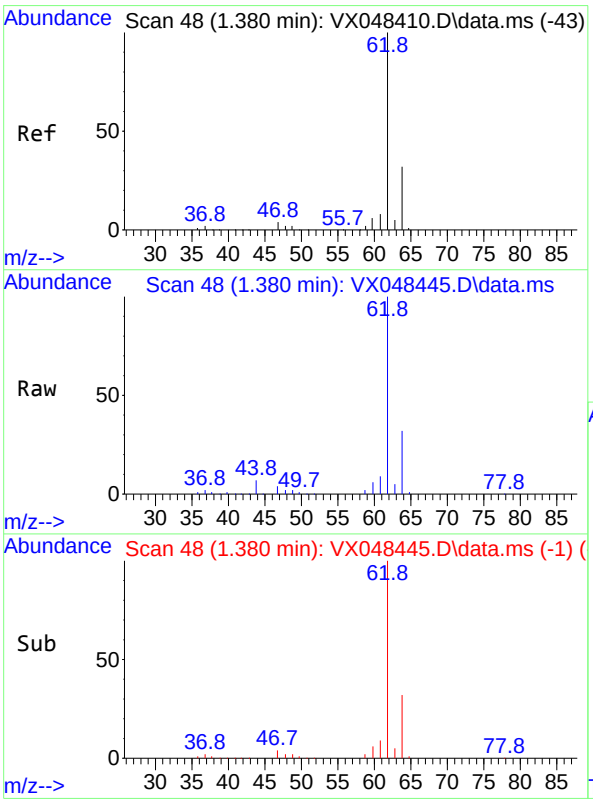
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

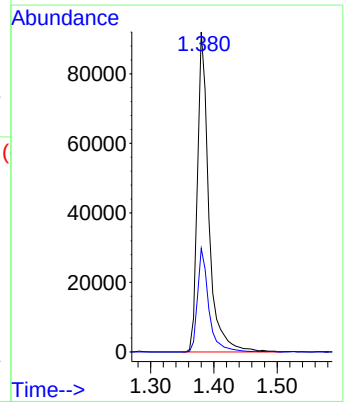
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

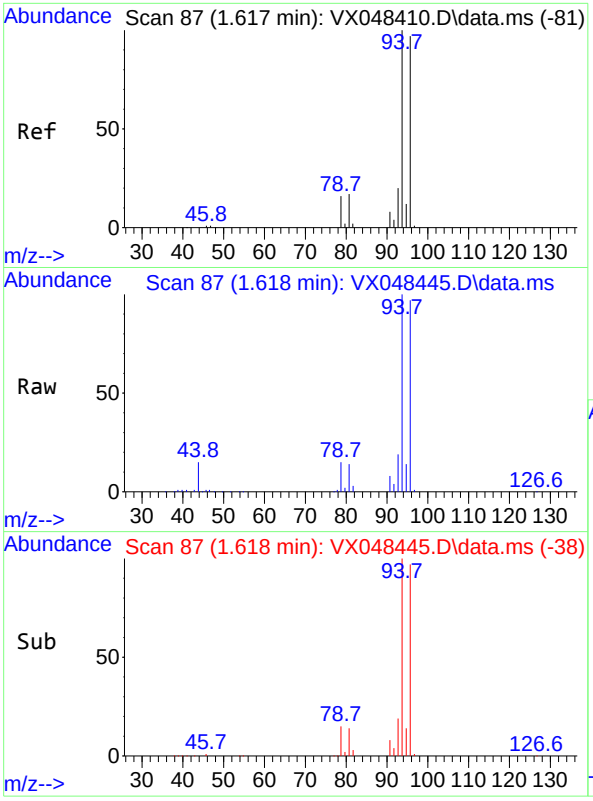


#4
Vinyl Chloride
Concen: 47.743 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 62 Resp: 115770

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.1	37.7

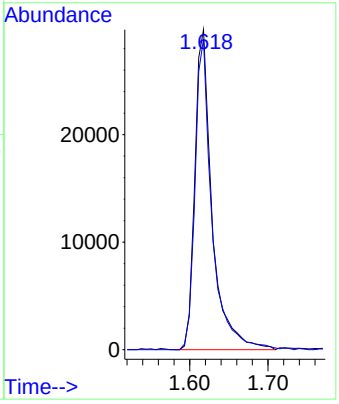




#5
Bromomethane
Concen: 51.955 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 94 Resp: 4551

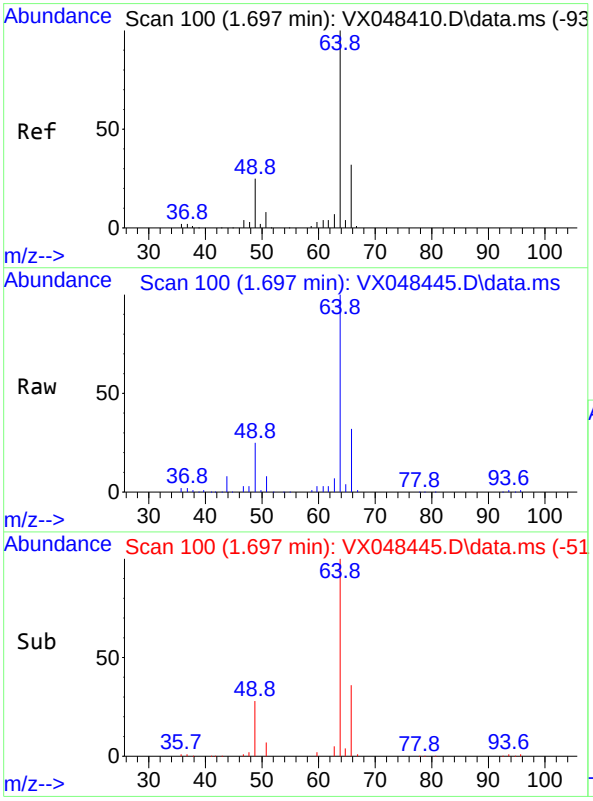
Ion	Ratio	Lower	Upper
94	100		
96	97.1	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

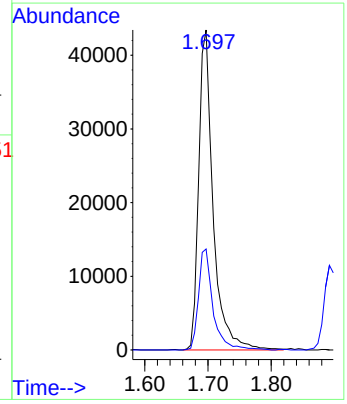
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

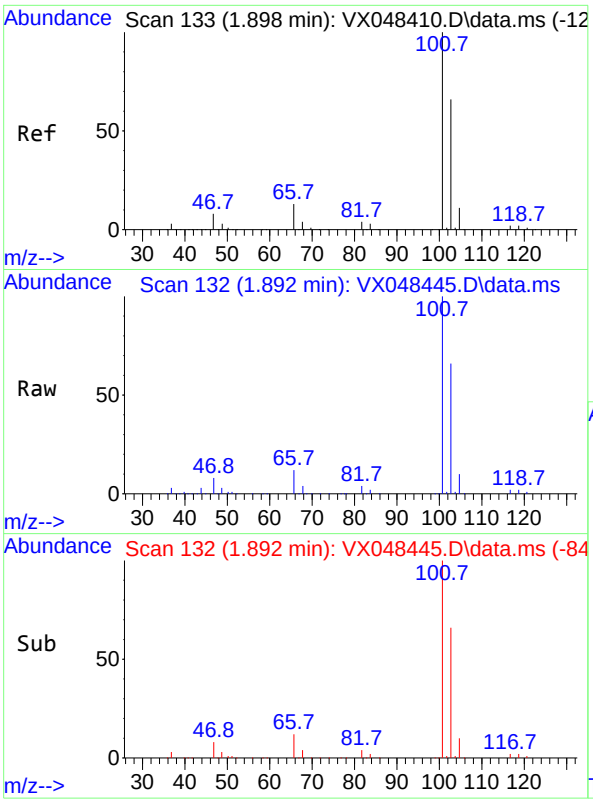


#6
Chloroethane
Concen: 47.761 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 64 Resp: 68875

Ion	Ratio	Lower	Upper
64	100		
66	31.6	23.9	35.9

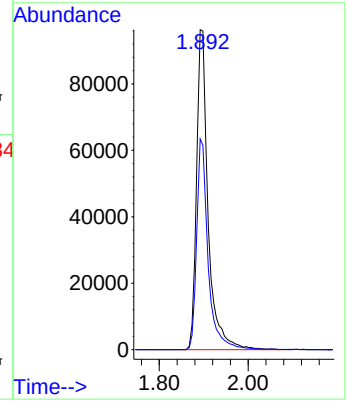




#7
Trichlorofluoromethane
Concen: 46.755 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:101 Resp: 17373

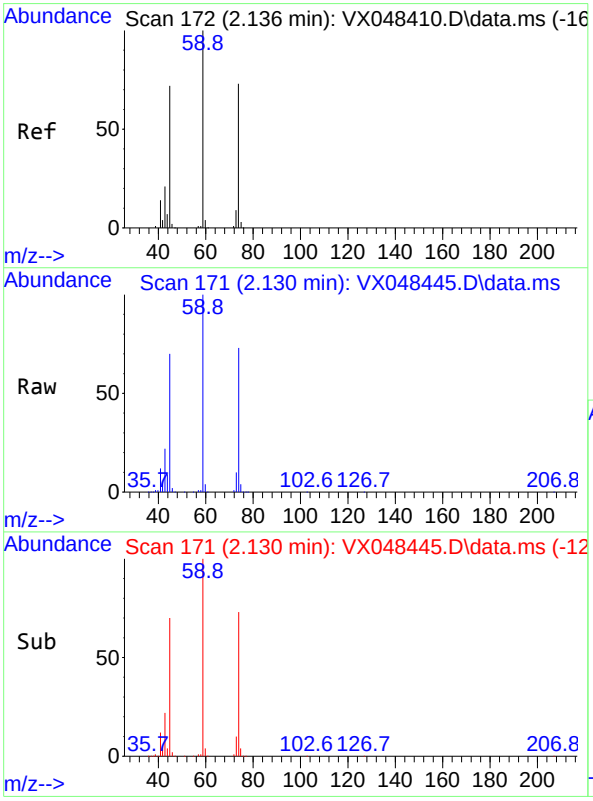
Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

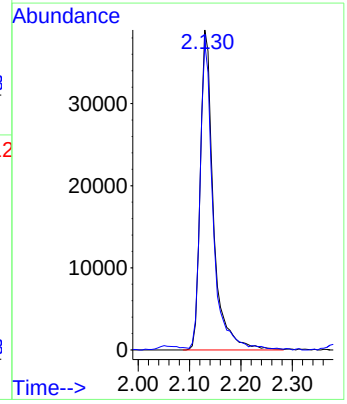
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

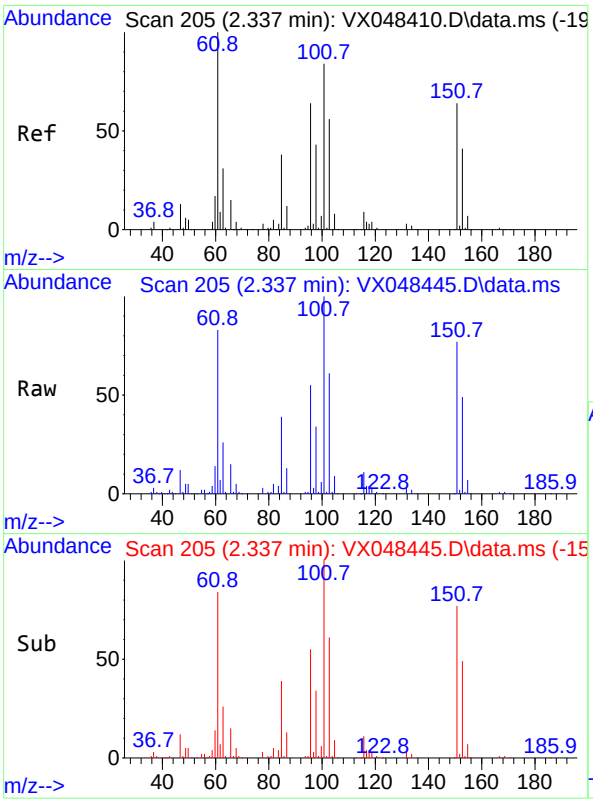


#8
Diethyl Ether
Concen: 51.692 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 74 Resp: 69422

Ion	Ratio	Lower	Upper
74	100		
45	93.8	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.697 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

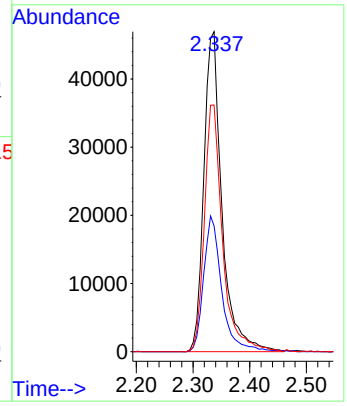
Tgt Ion:101 Resp: 10387

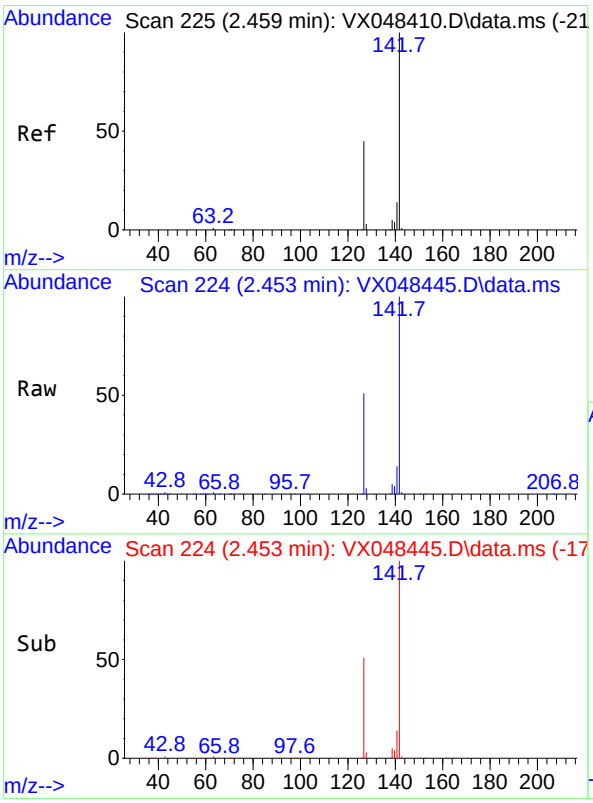
Ion	Ratio	Lower	Upper
101	100		
85	42.7	35.6	53.4
151	77.6	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

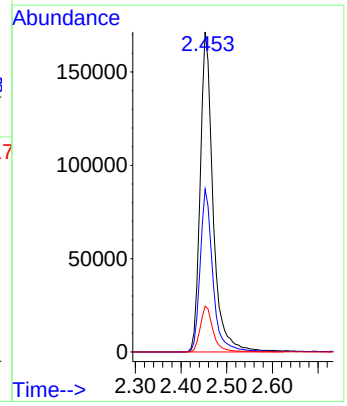


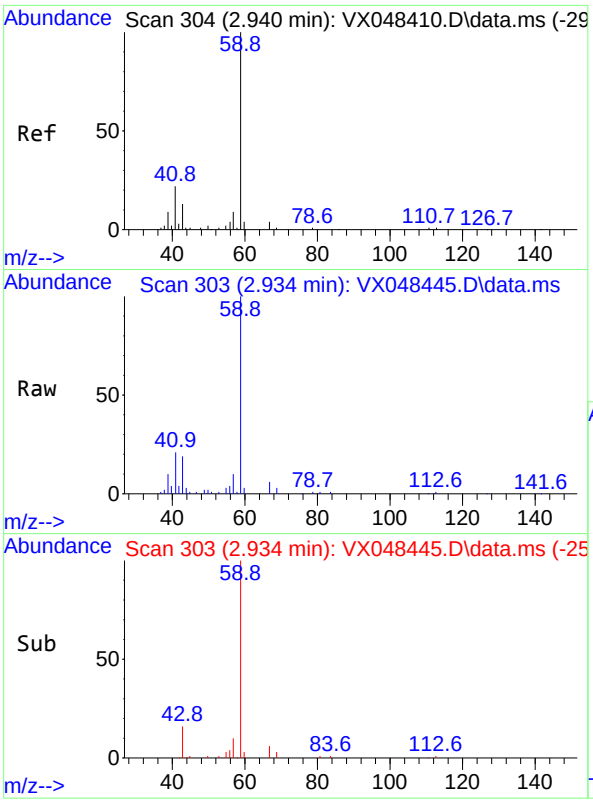


#10
Methyl Iodide
Concen: 39.939 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:142 Resp: 335677

Ion	Ratio	Lower	Upper
142	100		
127	50.4	38.5	57.7
141	14.5	11.6	17.4





#11
Tert butyl alcohol
Concen: 206.732 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

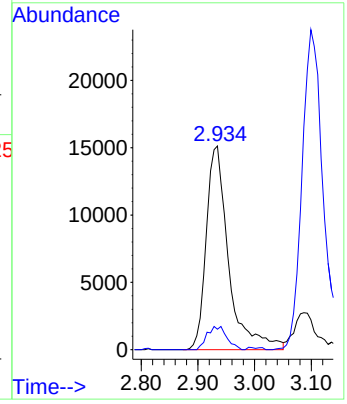
Tgt Ion: 59 Resp: 4154

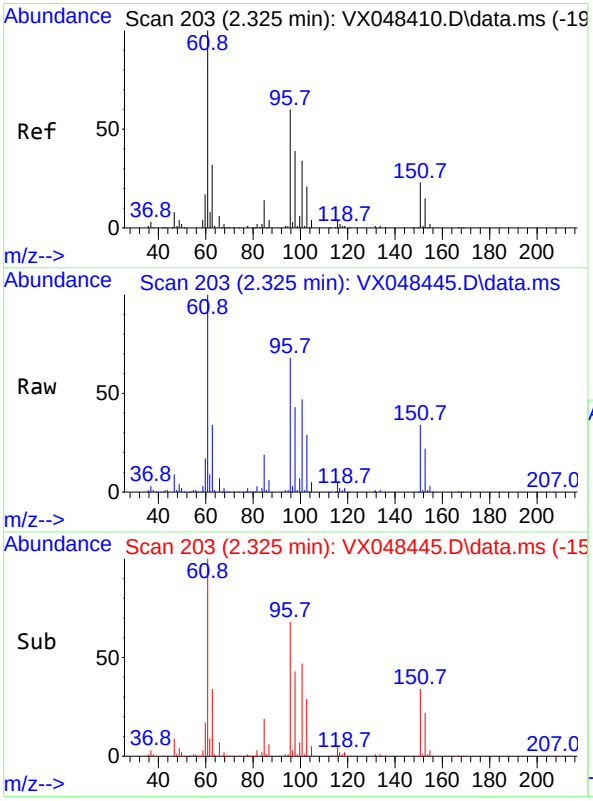
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

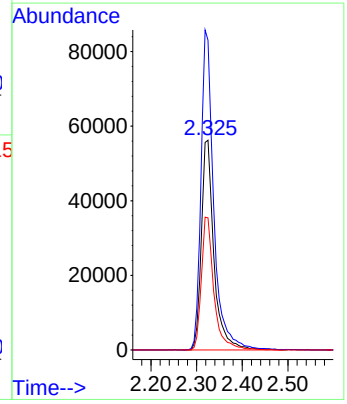


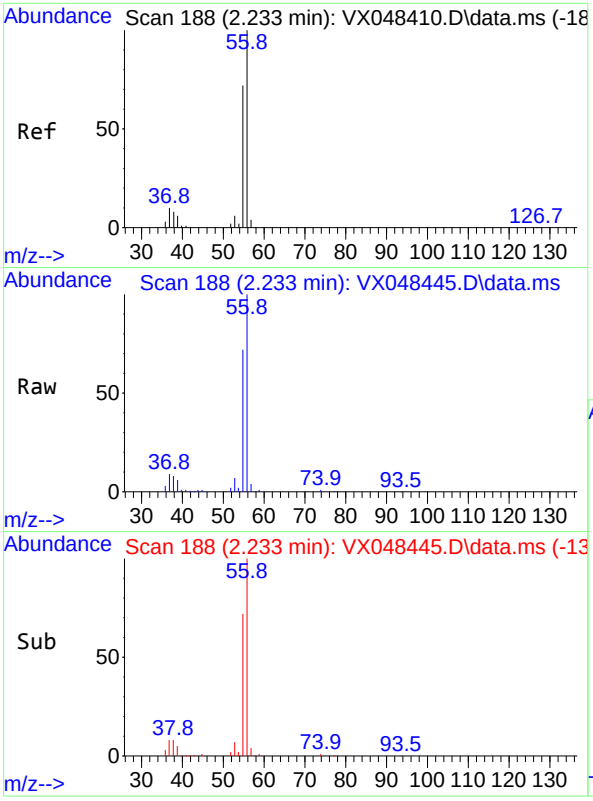


#12
1,1-Dichloroethene
Concen: 50.941 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 96 Resp: 108150

Ion	Ratio	Lower	Upper
96	100		
61	147.6	139.0	208.6
98	63.0	52.4	78.6

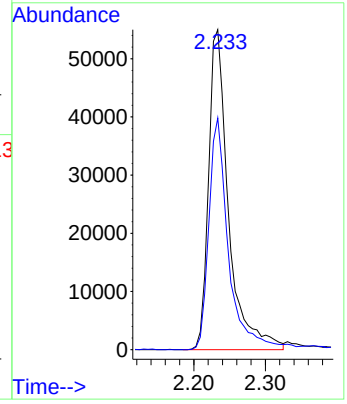




#13
Acrolein
Concen: 253.826 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 56 Resp: 10647

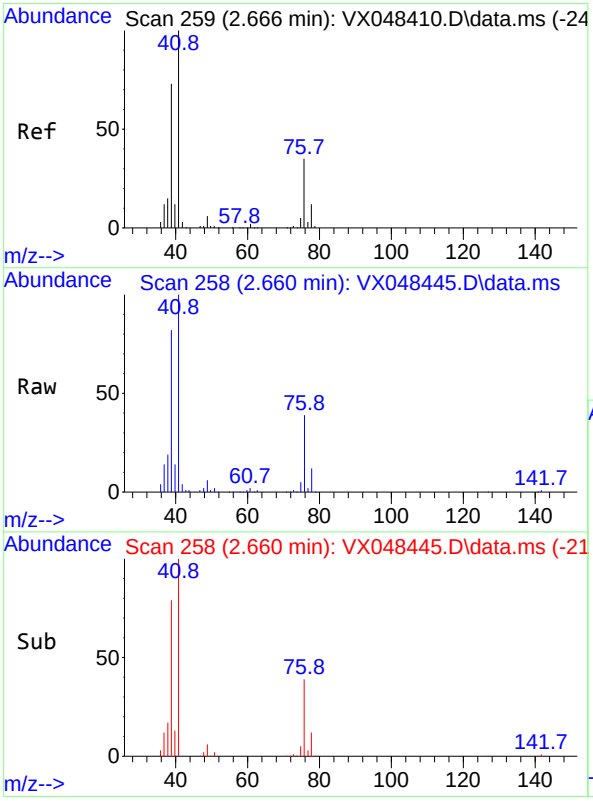
Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

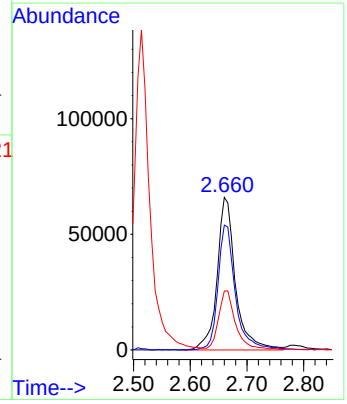
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

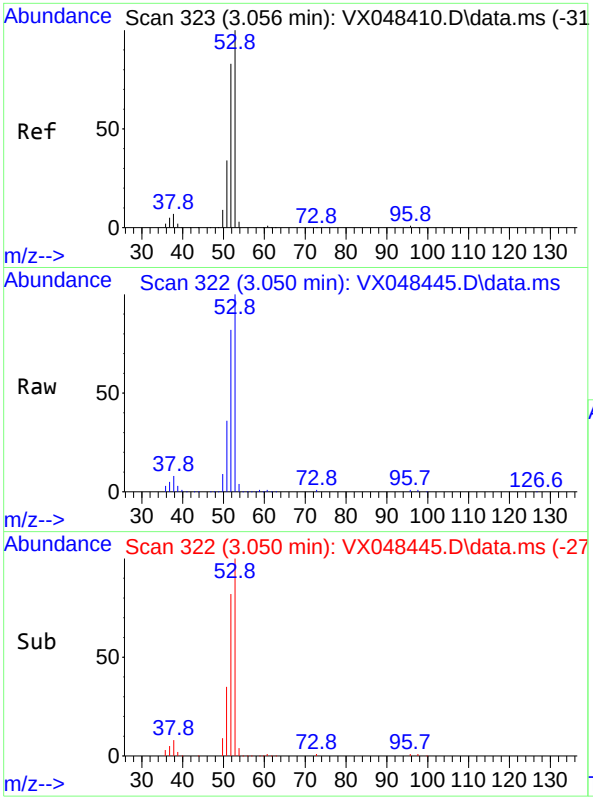


#14
Allyl chloride
Concen: 41.384 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 41 Resp: 148787

Ion	Ratio	Lower	Upper
41	100		
39	77.9	56.0	84.0
76	35.0	27.5	41.3

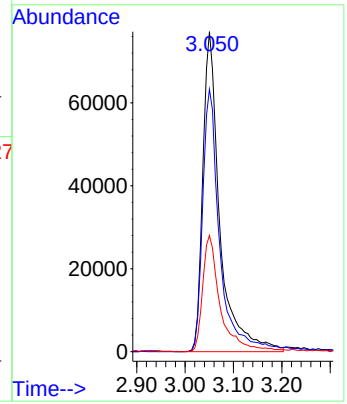




#15
Acrylonitrile
Concen: 206.221 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 53 Resp: 18854

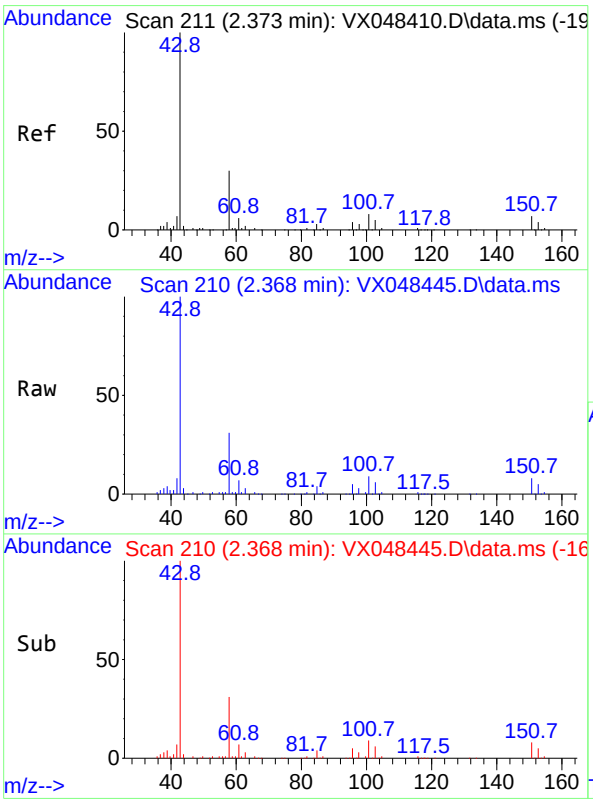
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.1	99.1
51	37.9	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

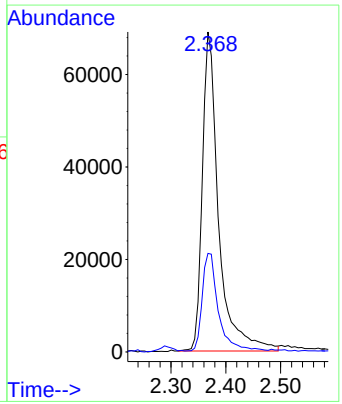
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

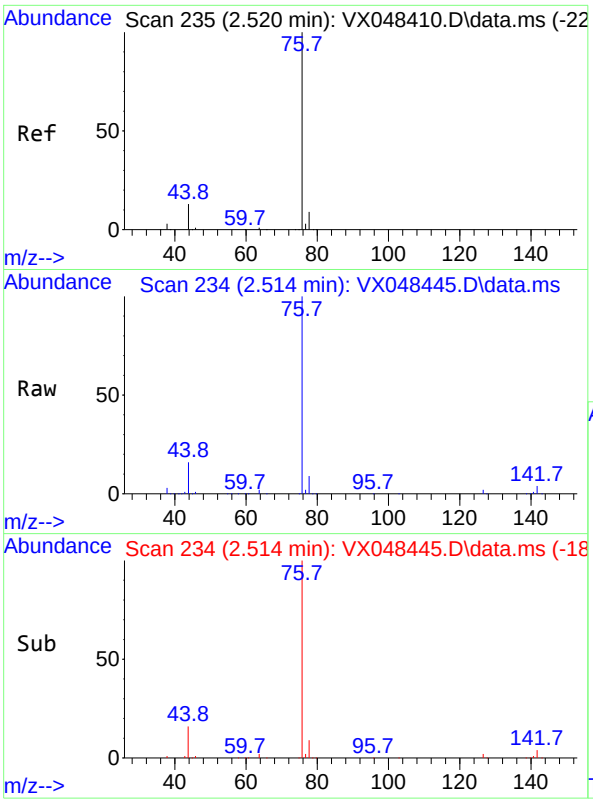


#16
Acetone
Concen: 238.641 ug/l
RT: 2.368 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 43 Resp: 141878

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.4	35.2

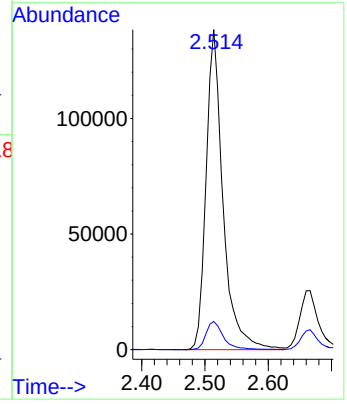




#17
Carbon Disulfide
Concen: 42.290 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 76 Resp: 25743

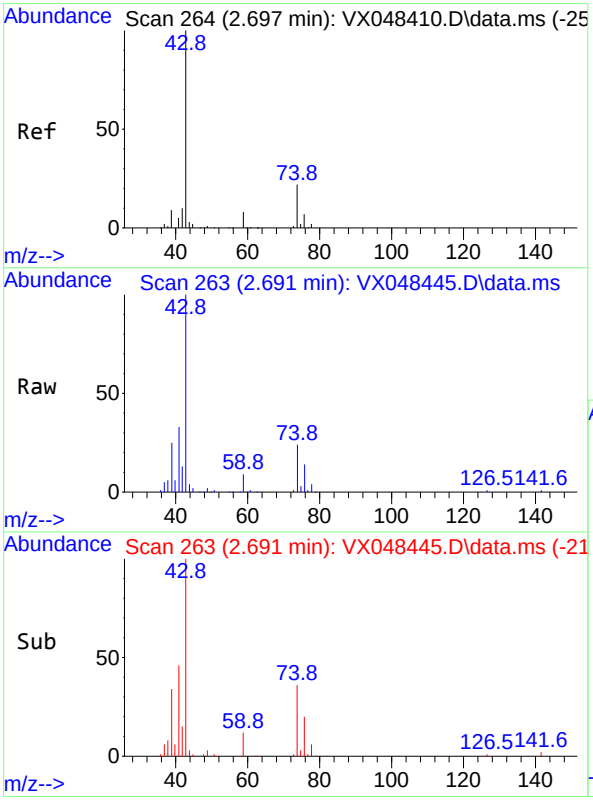
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

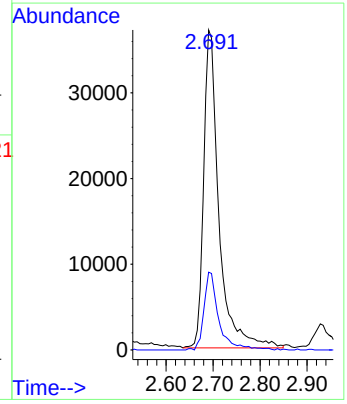
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

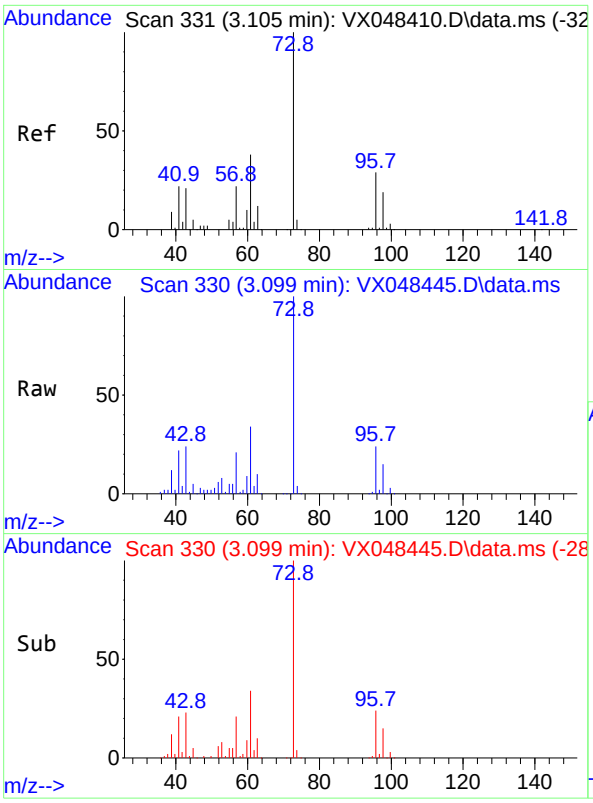


#18
Methyl Acetate
Concen: 42.019 ug/l
RT: 2.691 min Scan# 263
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 43 Resp: 83551

Ion	Ratio	Lower	Upper
43	100		
74	23.8	17.5	26.3

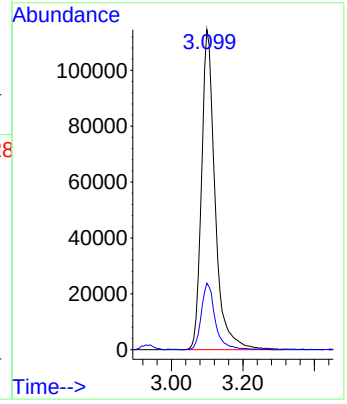




#19
Methyl tert-butyl Ether
Concen: 44.288 ug/l
RT: 3.099 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 73 Resp: 30109

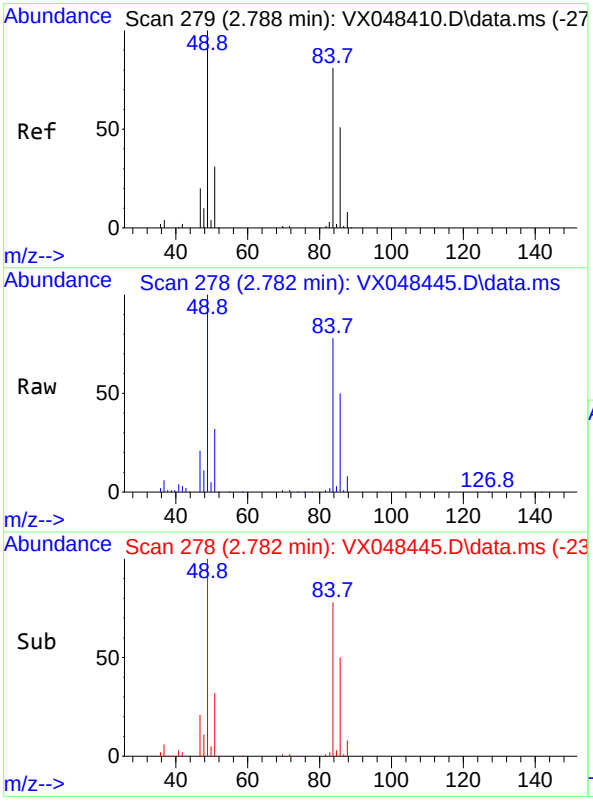
Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

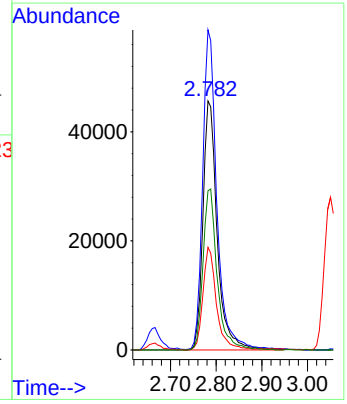
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

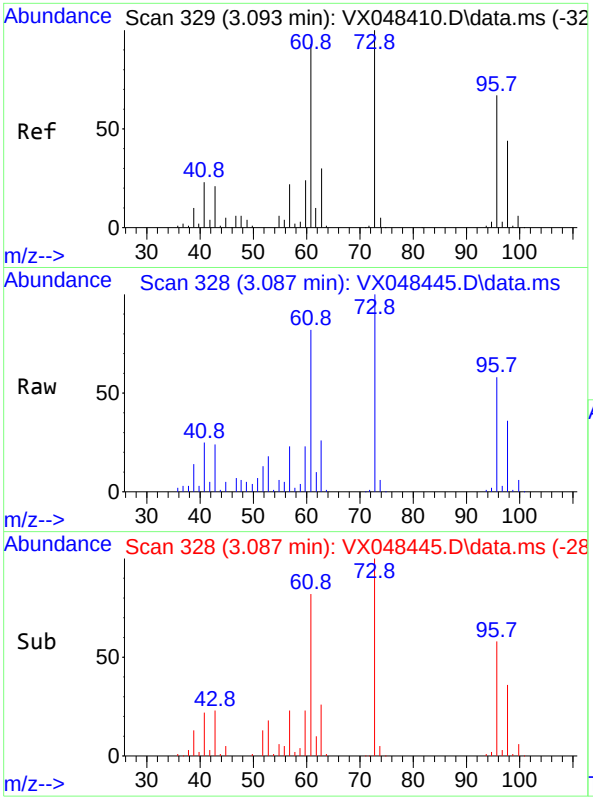


#20
Methylene Chloride
Concen: 43.232 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 84 Resp: 99078

Ion	Ratio	Lower	Upper
84	100		
49	128.2	104.1	156.1
51	41.1	31.3	46.9
86	64.0	51.3	76.9

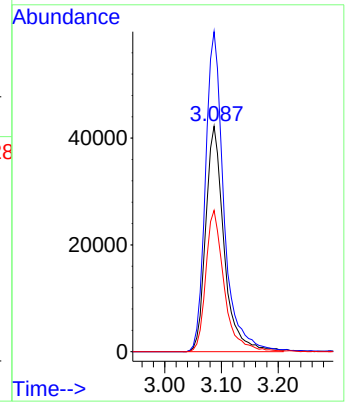




#21
trans-1,2-Dichloroethene
Concen: 42.231 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 96 Resp: 9523

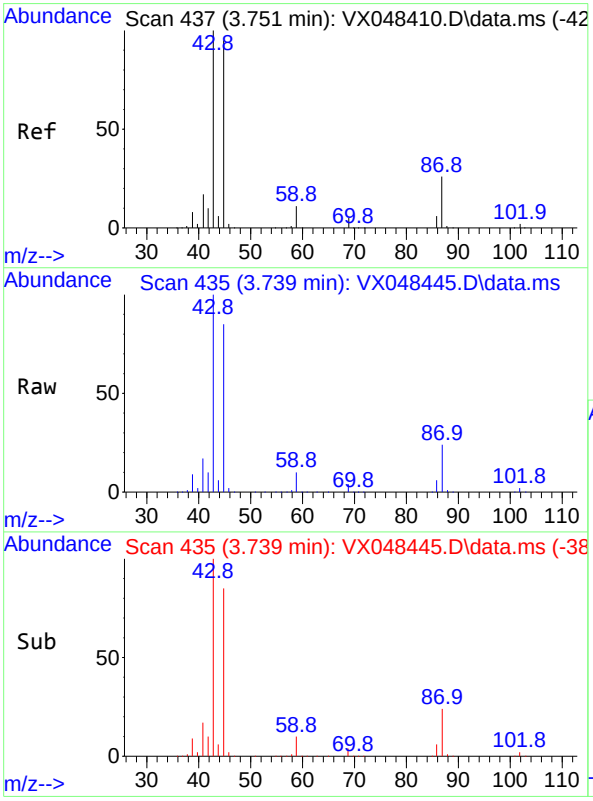
Ion	Ratio	Lower	Upper
96	100		
61	141.9	111.9	167.9
98	62.7	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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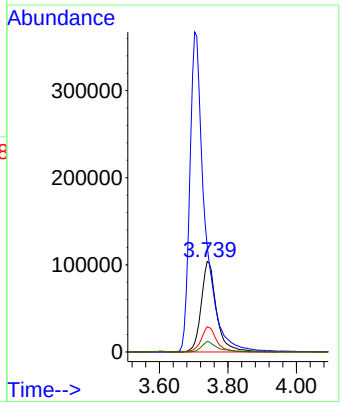
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

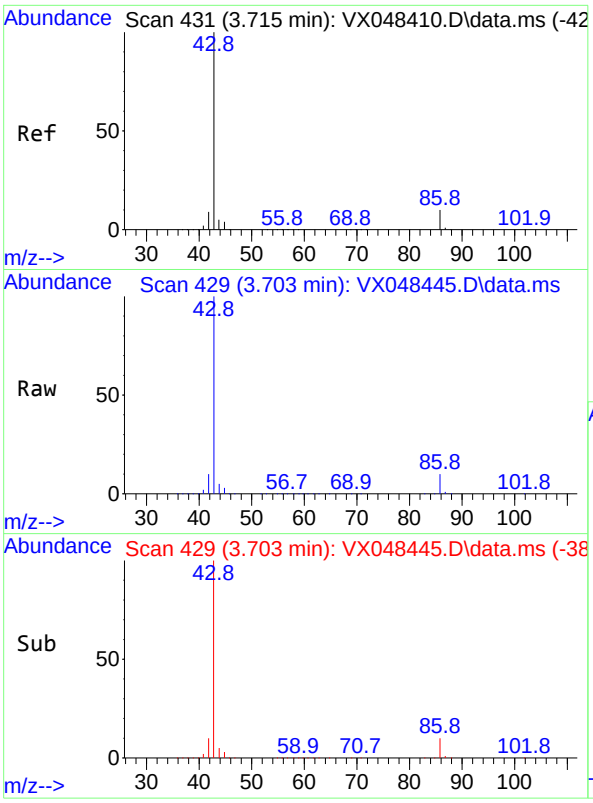


#22
Diisopropyl ether
Concen: 43.800 ug/l
RT: 3.739 min Scan# 435
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 45 Resp: 322329

Ion	Ratio	Lower	Upper
45	100		
43	116.9	89.8	134.8
87	27.8	20.6	31.0
59	11.5	9.1	13.7





#23
Vinyl Acetate
Concen: 224.625 ug/l
RT: 3.703 min Scan# 4
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

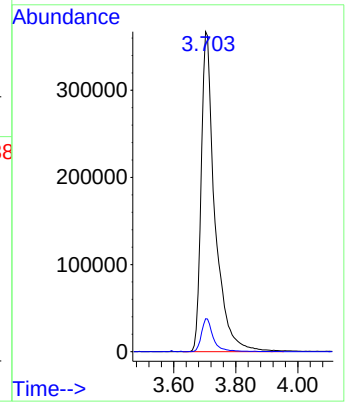
Tgt Ion: 43 Resp: 112525

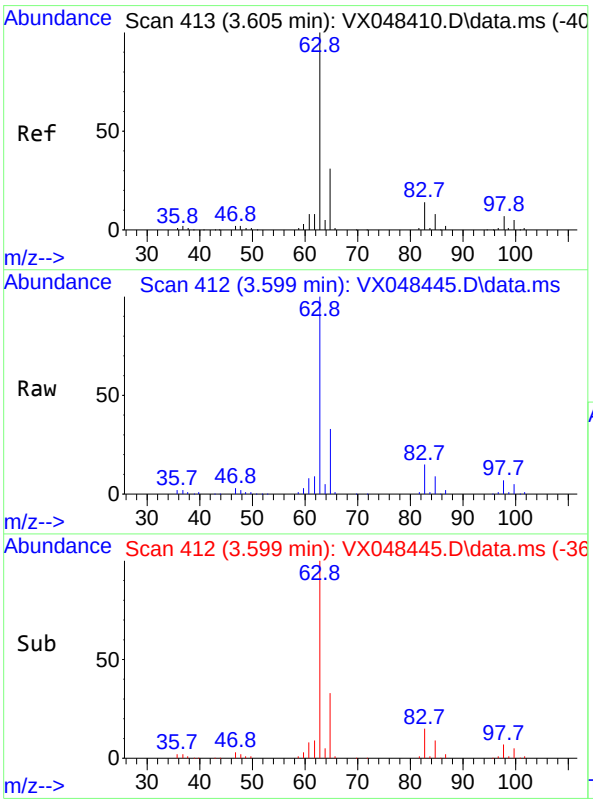
Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

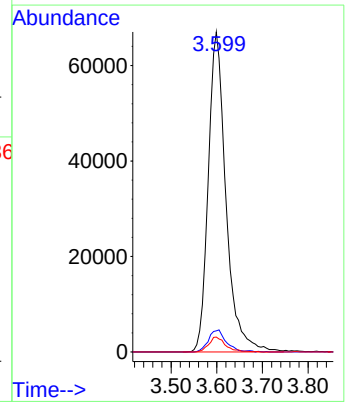


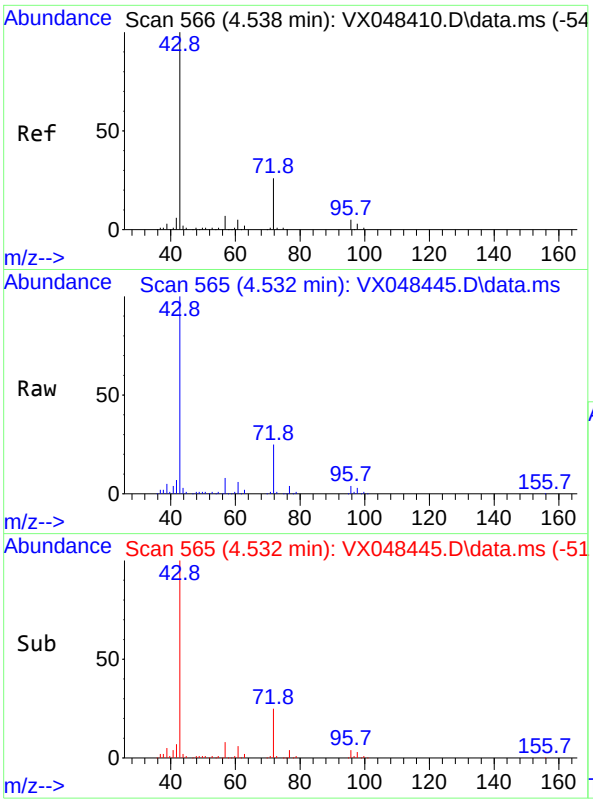


#24
1,1-Dichloroethane
Concen: 43.215 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 63 Resp: 180483

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.6
100	4.6	2.1	6.3





#25
2-Butanone
Concen: 209.435 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

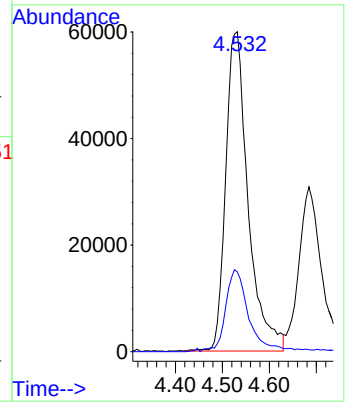
Tgt Ion: 43 Resp: 19891

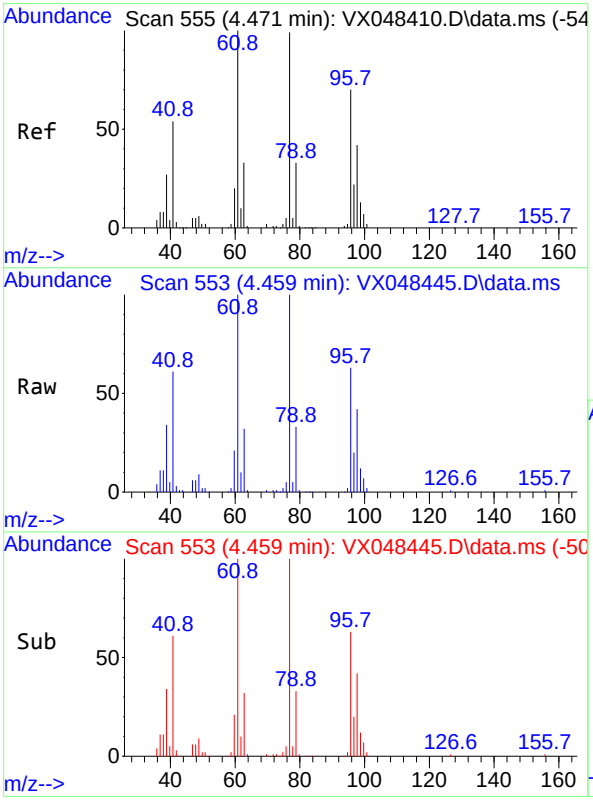
Ion	Ratio	Lower	Upper
43	100		
72	25.0	19.9	29.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

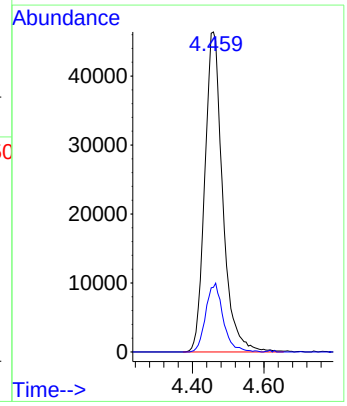


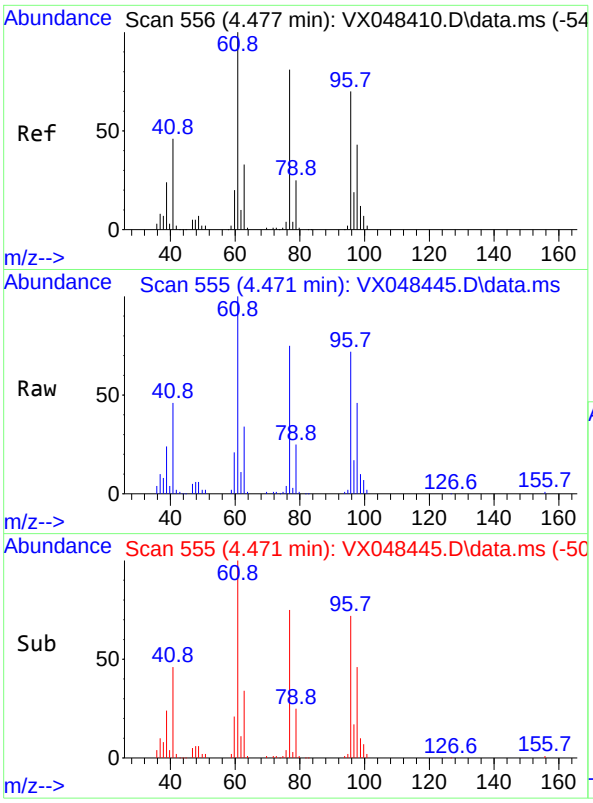


#26
2,2-Dichloropropane
Concen: 44.773 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 77 Resp: 161000

Ion	Ratio	Lower	Upper
77	100		
97	21.0	11.1	33.3

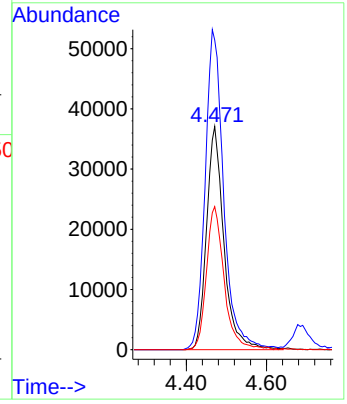




#27
cis-1,2-Dichloroethene
Concen: 41.377 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 96 Resp: 11135

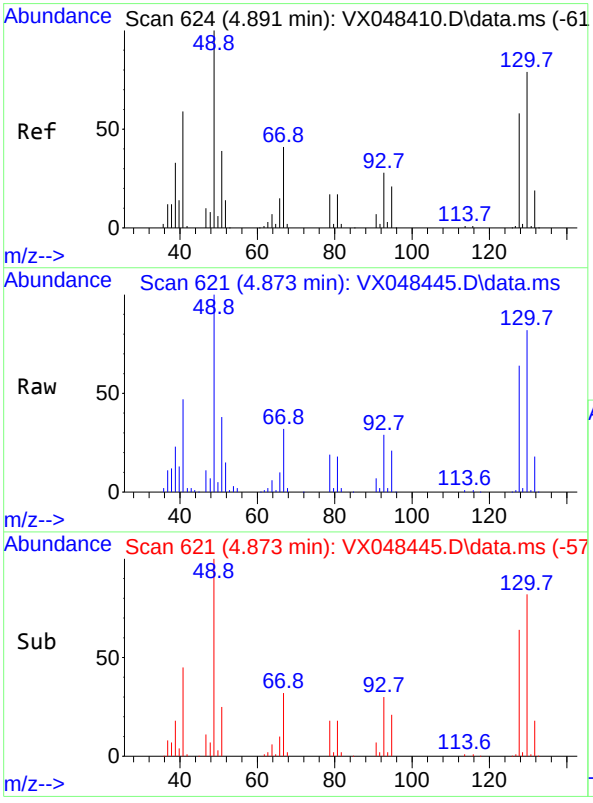
Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	294.2
98	65.3	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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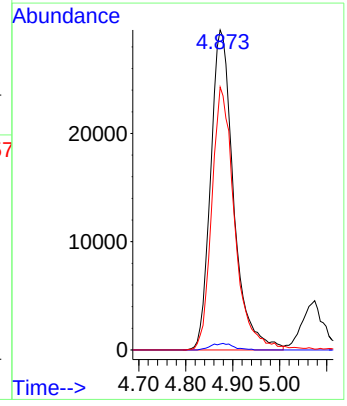
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

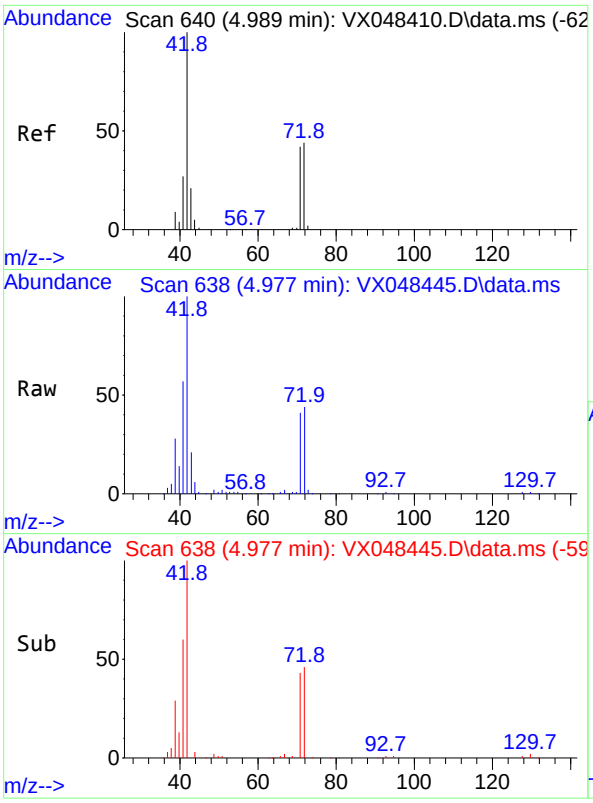


#28
Bromochloromethane
Concen: 52.979 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 49 Resp: 100275

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	82.0	59.3	88.9

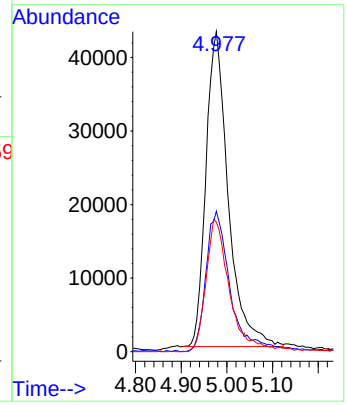




#29
Tetrahydrofuran
Concen: 215.222 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 42 Resp: 14557

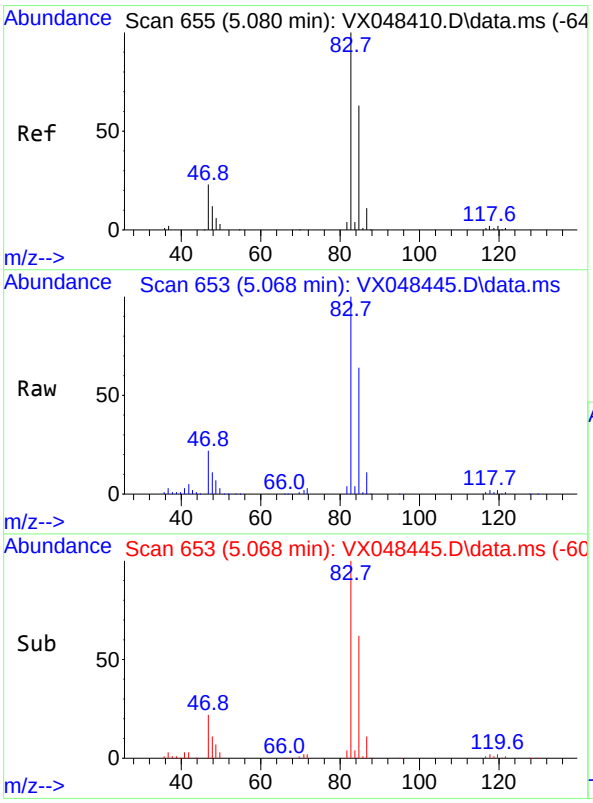
Ion	Ratio	Lower	Upper
42	100		
72	49.3	35.3	52.9
71	43.9	32.2	48.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

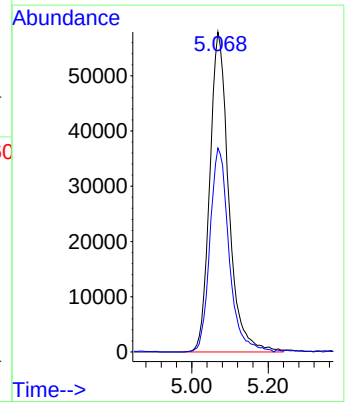
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

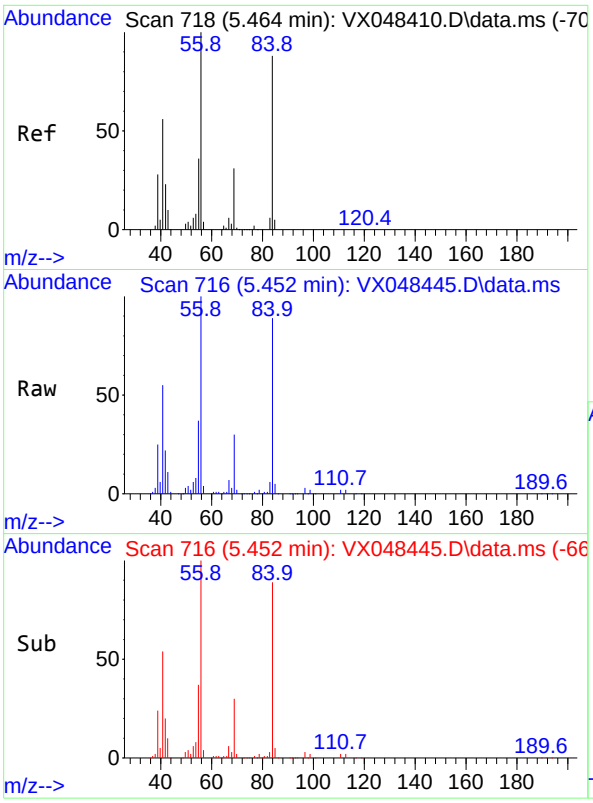


#30
Chloroform
Concen: 46.316 ug/l
RT: 5.068 min Scan# 653
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 83 Resp: 198984

Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.1	75.1

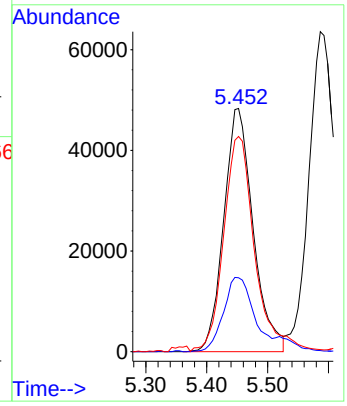




#31
Cyclohexane
Concen: 44.663 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 56 Resp: 16191

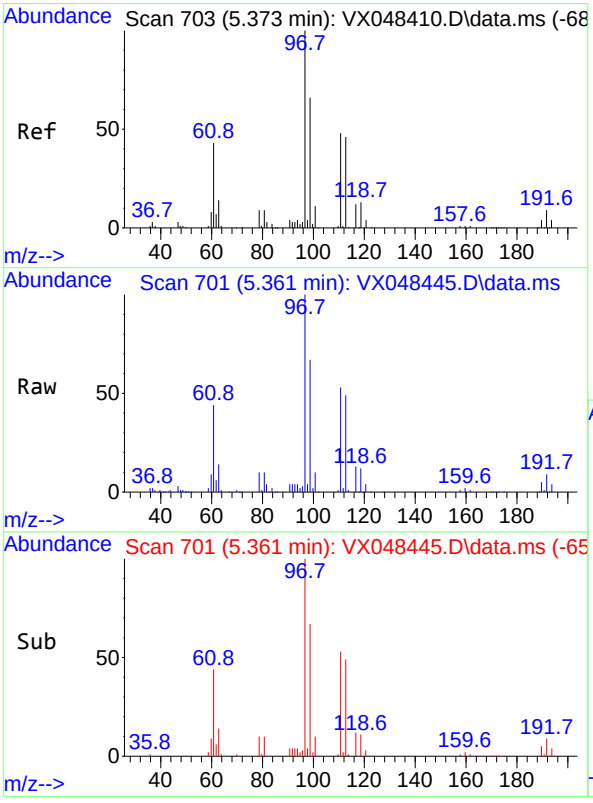
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.0	34.6
84	86.7	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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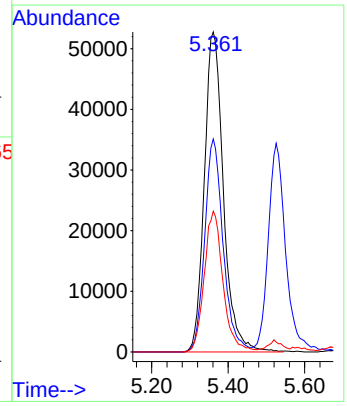
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

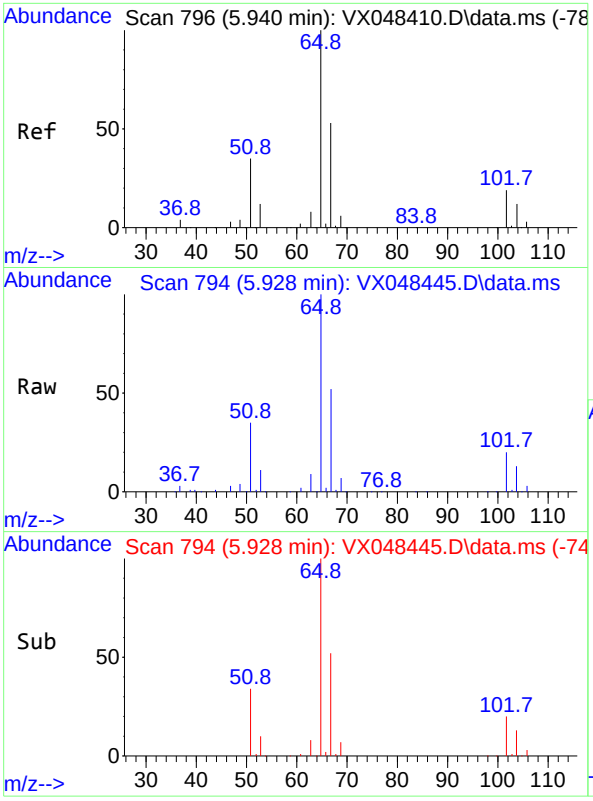


#32
1,1,1-Trichloroethane
Concen: 48.232 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 97 Resp: 182932

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	43.3	34.8	52.2

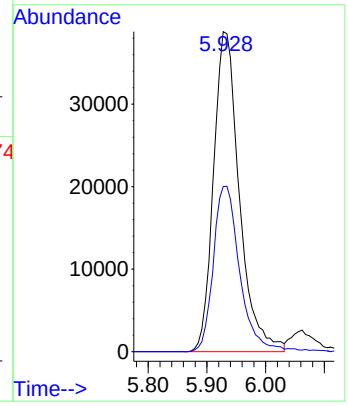




#33
1,2-Dichloroethane-d4
Concen: 45.129 ug/l
RT: 5.928 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 65 Resp: 11838

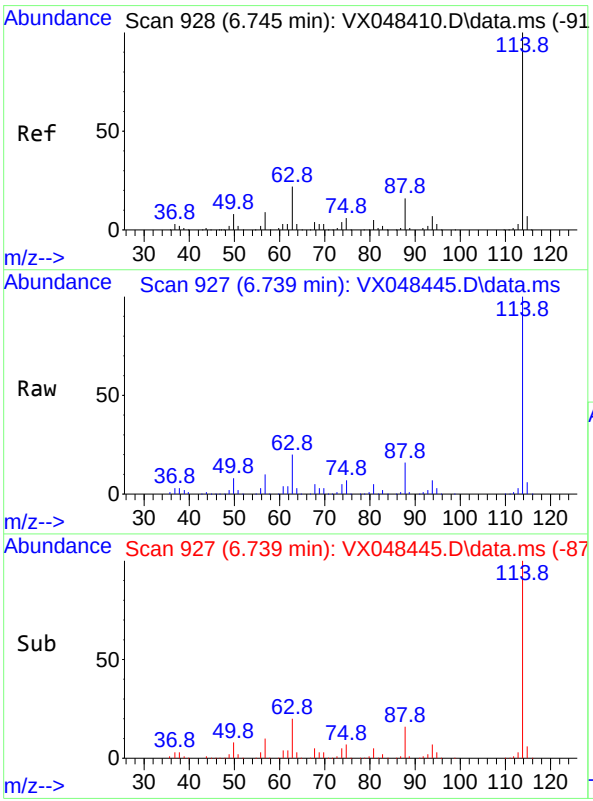
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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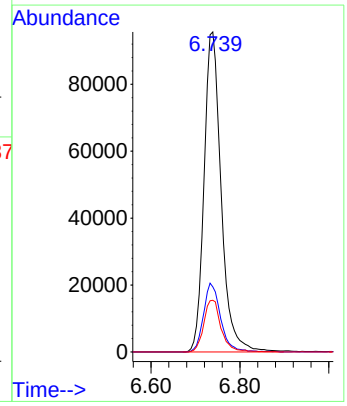
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

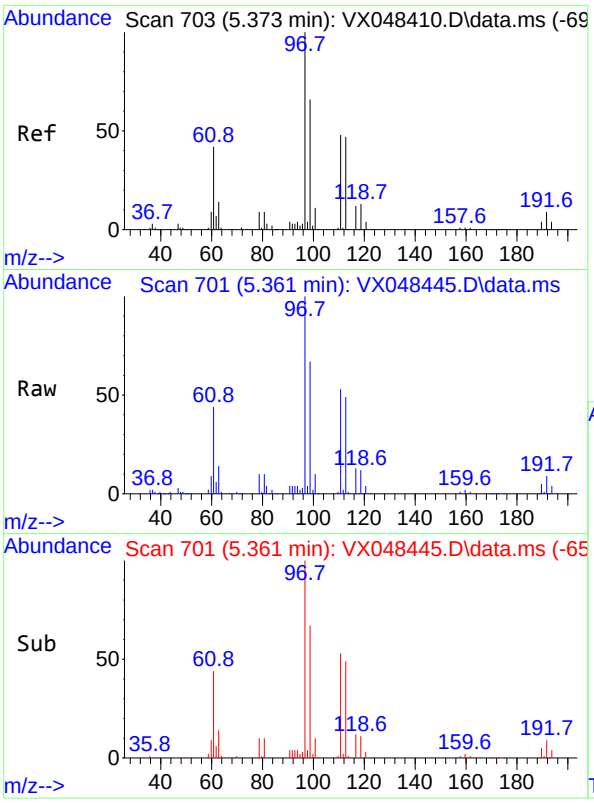


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:114 Resp: 256609

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	43.2
88	16.2	0.0	33.6

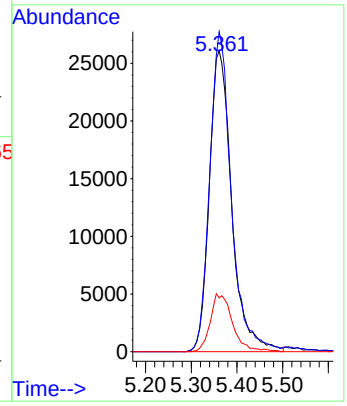




#35
Dibromofluoromethane
Concen: 60.689 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:113 Resp: 8878

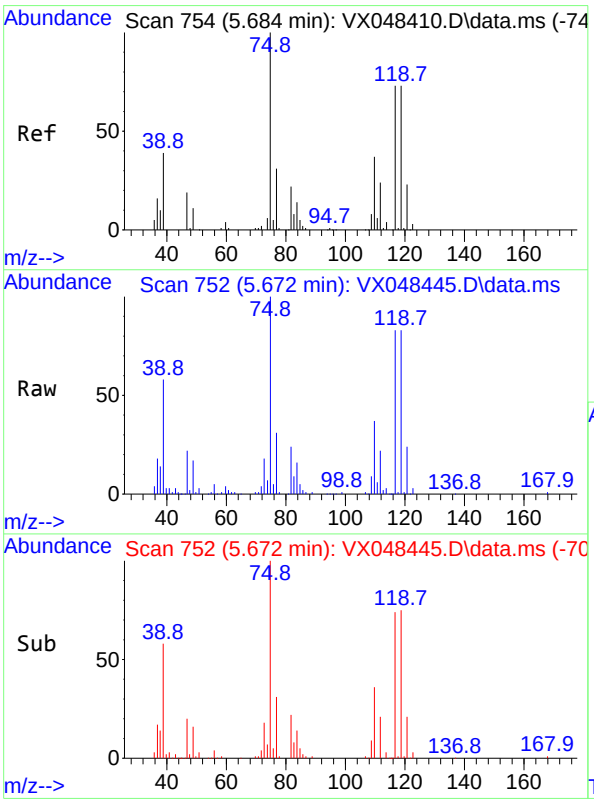
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	18.7	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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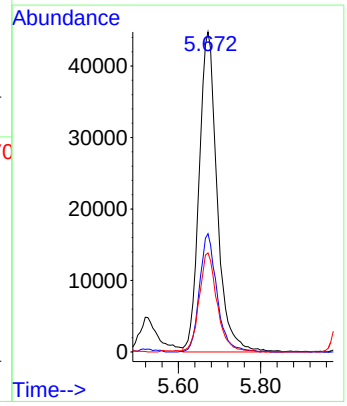
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

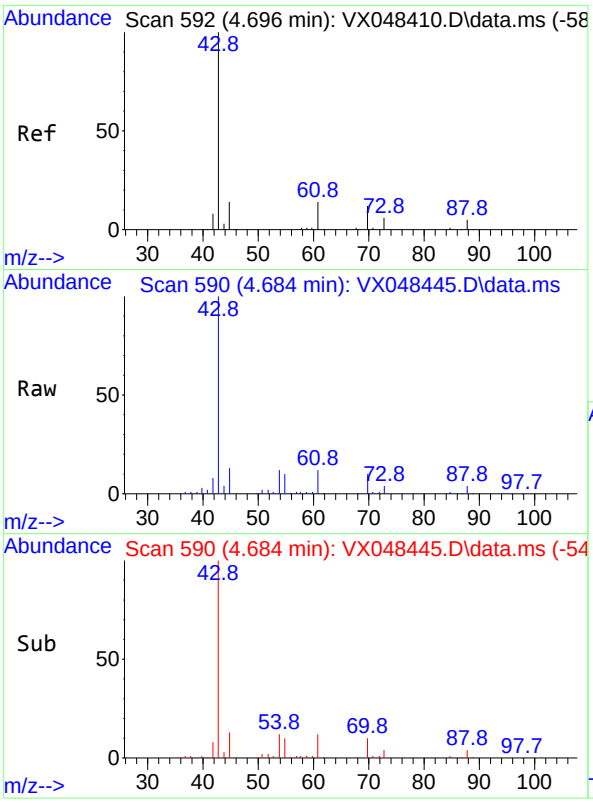


#36
1,1-Dichloropropene
Concen: 55.422 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 75 Resp: 136164

Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.7	53.1
77	30.9	24.3	36.5





#37
Ethyl Acetate
Concen: 49.908 ug/l
RT: 4.684 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

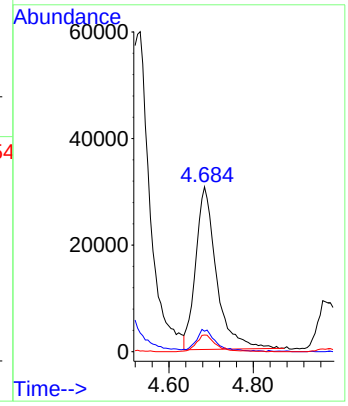
Tgt Ion: 43 Resp: 10446

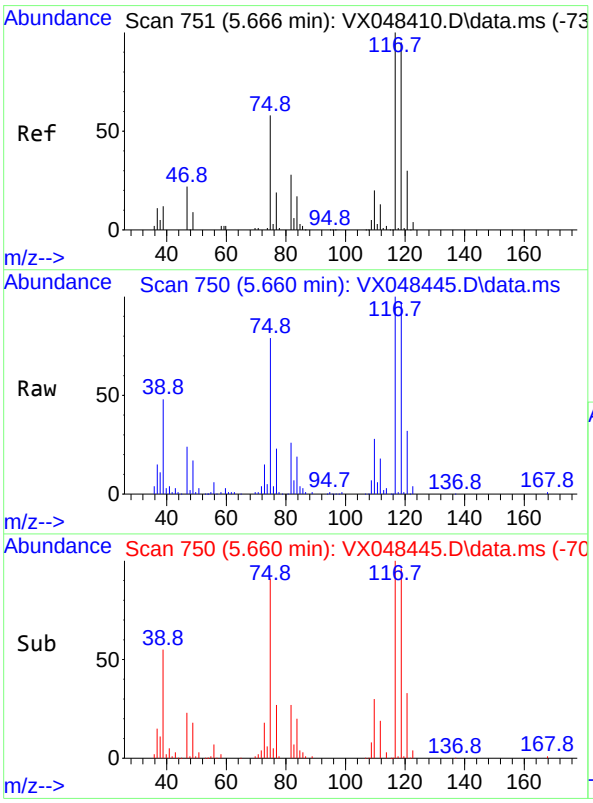
Ion	Ratio	Lower	Upper
43	100		
61	10.2	10.6	15.8
70	9.5	7.8	11.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

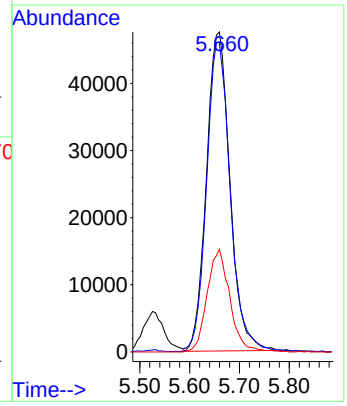


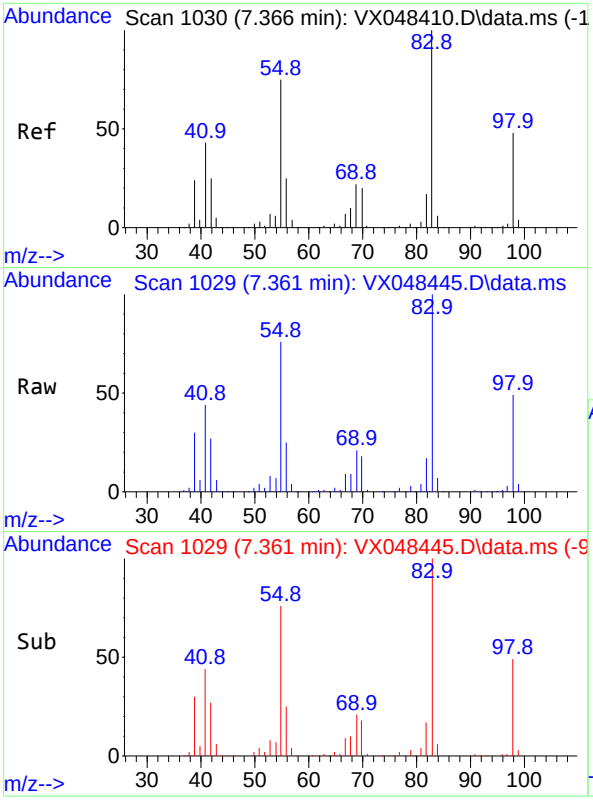


#38
Carbon Tetrachloride
Concen: 55.059 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:117 Resp: 156186

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.2	115.8
121	32.3	24.8	37.2

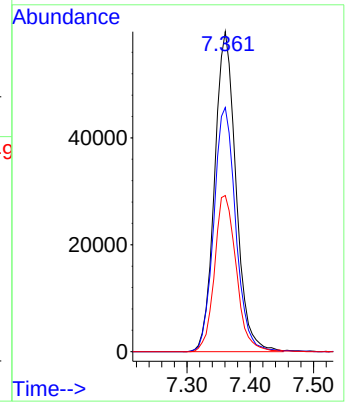




#39
Methylcyclohexane
Concen: 44.499 ug/l
RT: 7.361 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 83 Resp: 14059

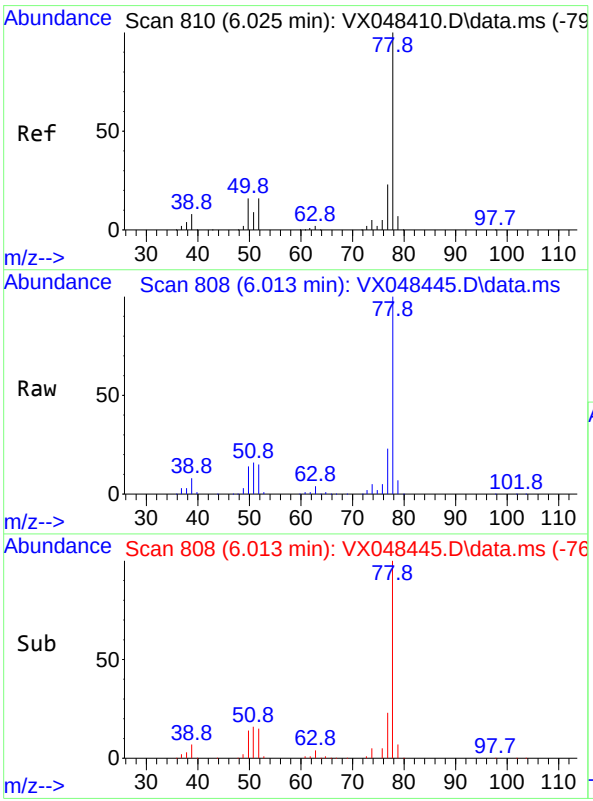
Ion	Ratio	Lower	Upper
83	100		
55	76.3	66.2	99.2
98	48.8	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

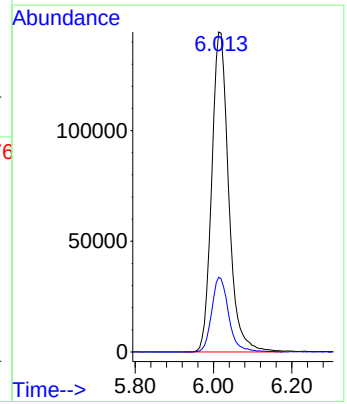
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

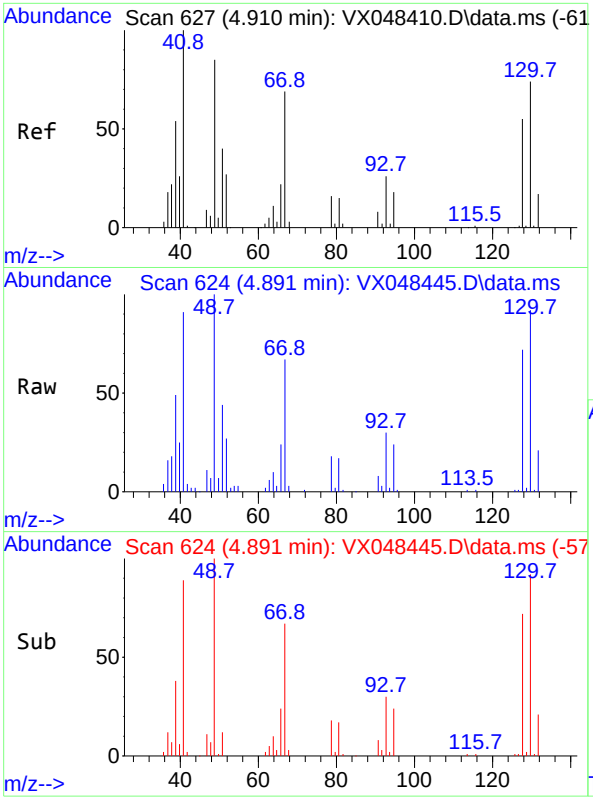


#40
Benzene
Concen: 57.824 ug/l
RT: 6.013 min Scan# 808
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 78 Resp: 434013

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9

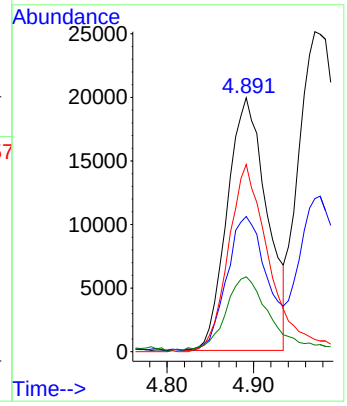




#41
Methacrylonitrile
Concen: 60.144 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.018 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 41 Resp: 6341

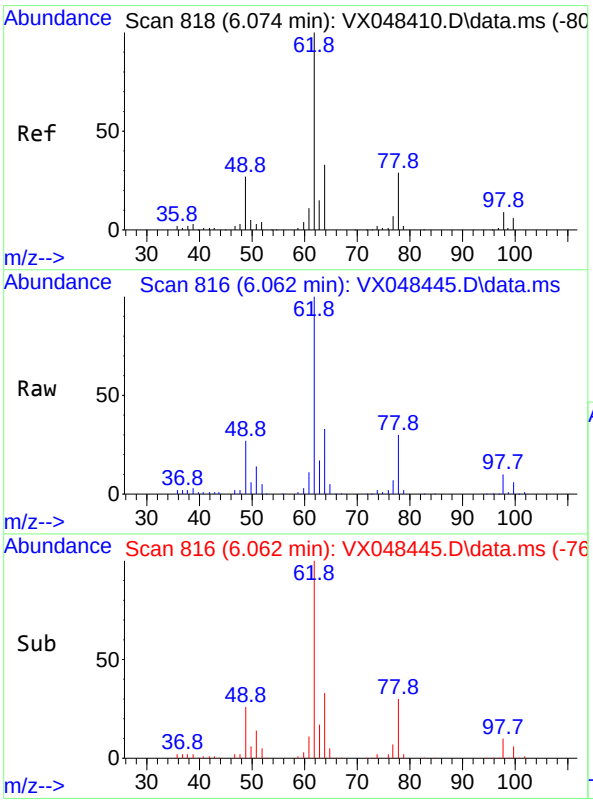
Ion	Ratio	Lower	Upper
41	100		
39	53.5	44.0	66.0
67	77.1	58.7	88.1
52	34.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

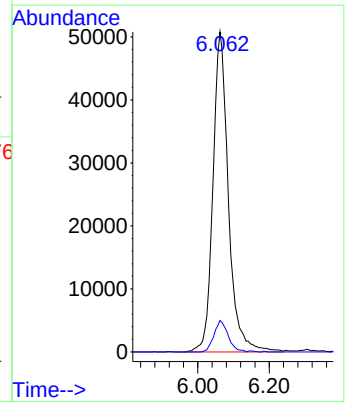
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

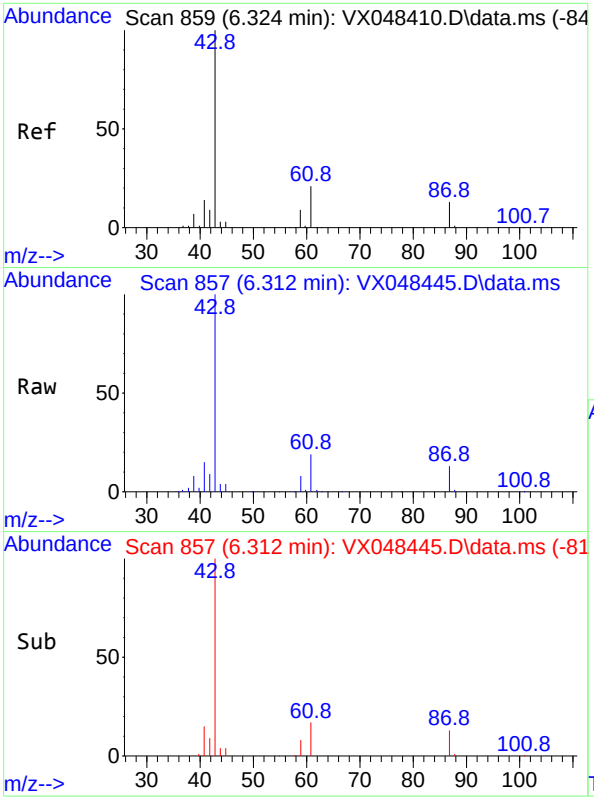


#42
1,2-Dichloroethane
Concen: 57.694 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 62 Resp: 152527

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2

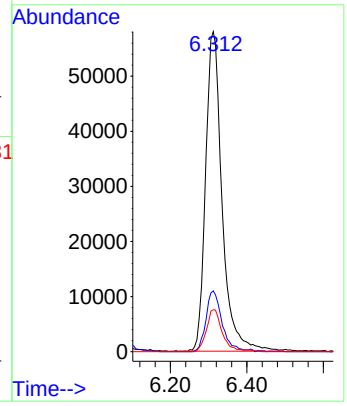




#43
Isopropyl Acetate
Concen: 50.203 ug/l
RT: 6.312 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 43 Resp: 17349

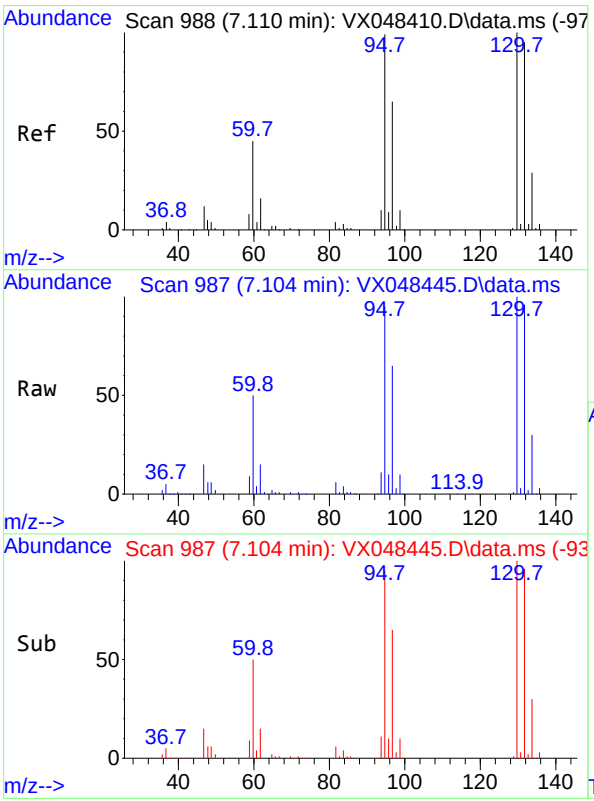
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	12.7	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

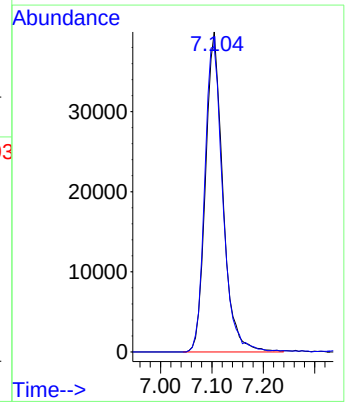
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

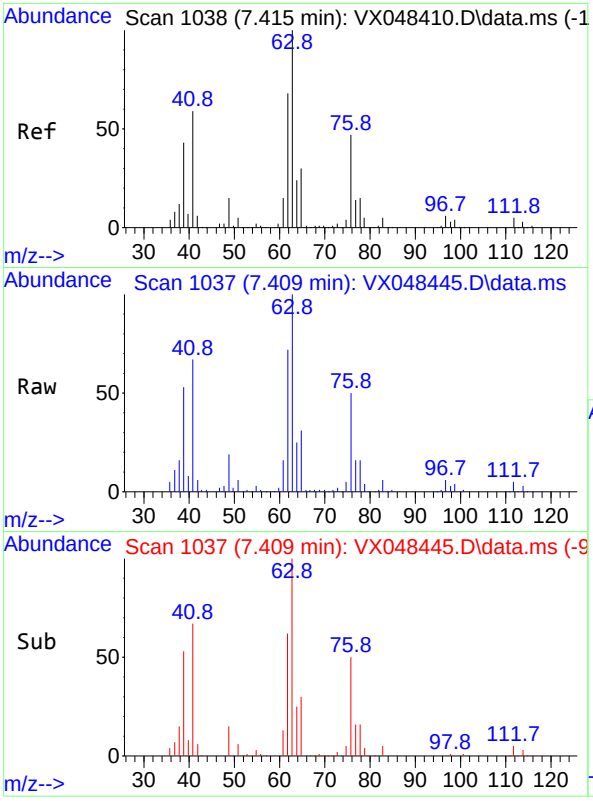


#44
Trichloroethene
Concen: 47.733 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:130 Resp: 93867

Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	200.6

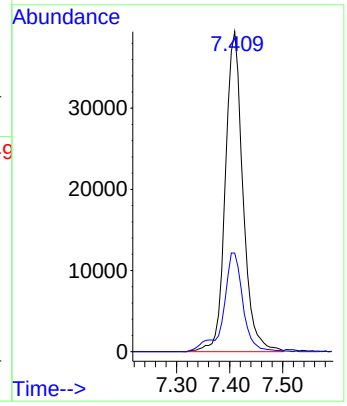




#45
1,2-Dichloropropane
Concen: 48.407 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 63 Resp: 9073

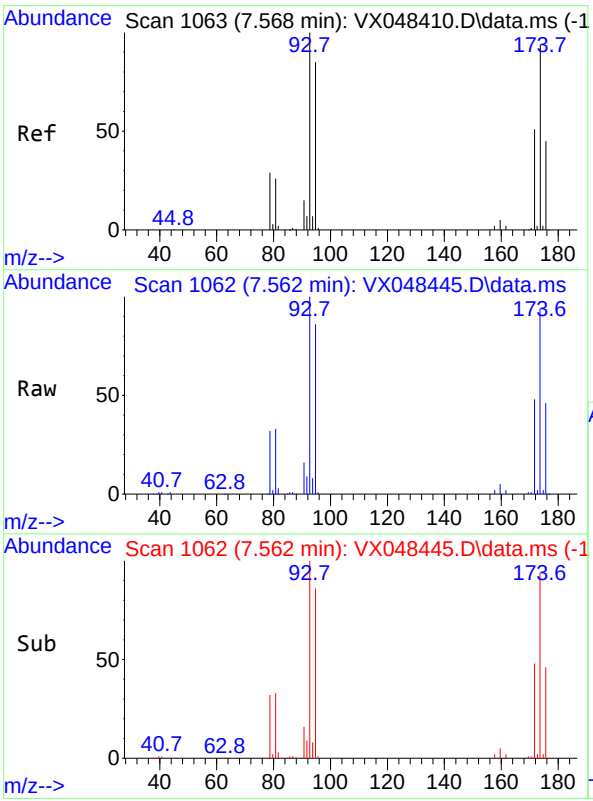
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

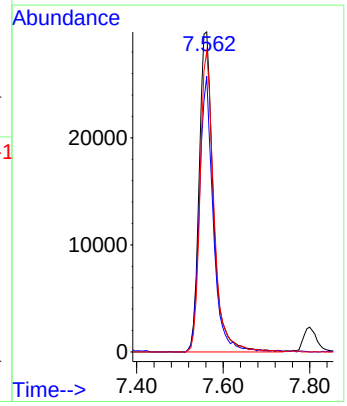
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

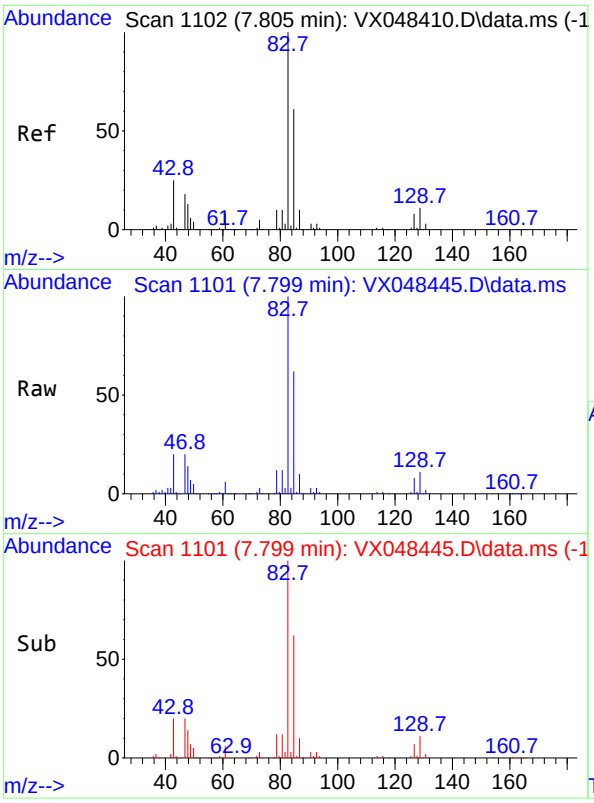


#46
Dibromomethane
Concen: 51.930 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 93 Resp: 68145

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.9	98.9
174	91.9	71.7	107.5

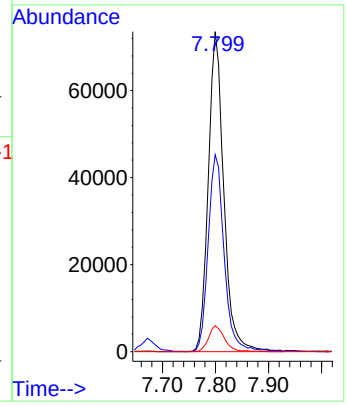




#47
Bromodichloromethane
Concen: 53.490 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 83 Resp: 14913

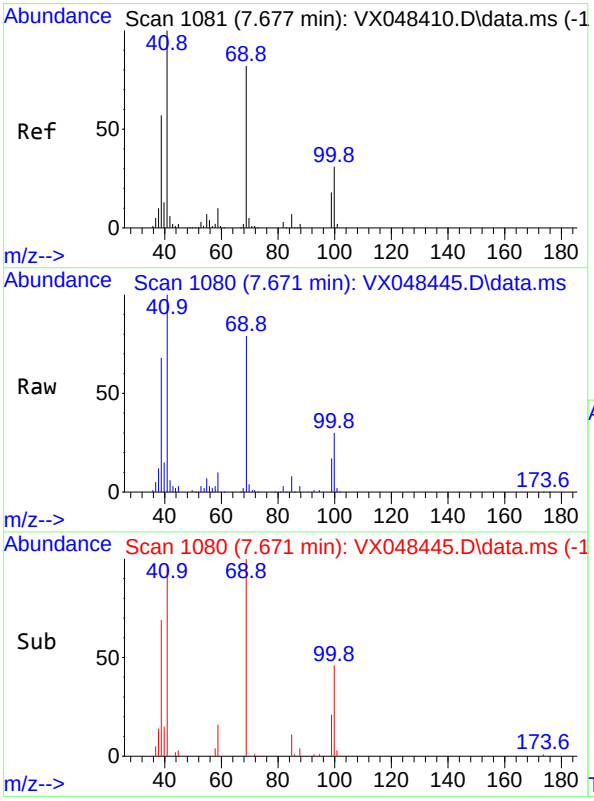
Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.2	78.4
127	8.2	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

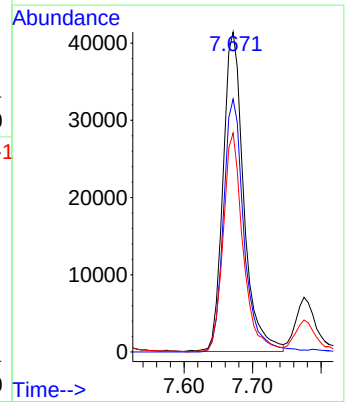
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

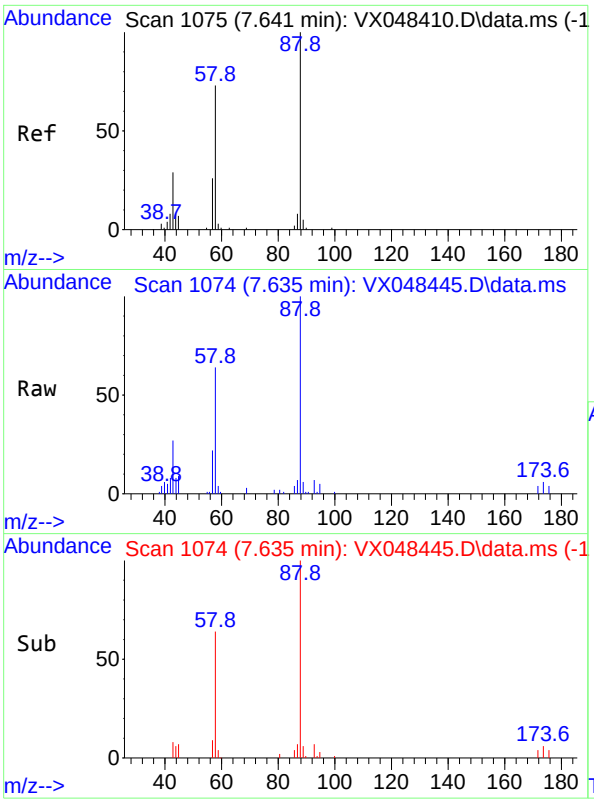


#48
Methyl methacrylate
Concen: 51.278 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 41 Resp: 86418

Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.4	95.0
39	66.1	47.1	70.7

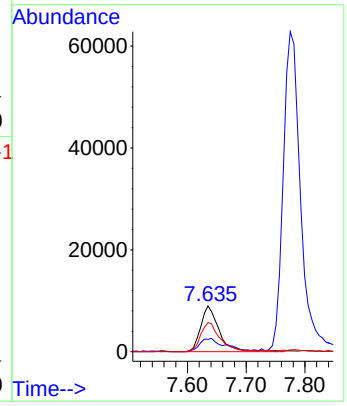




#49
1,4-Dioxane
Concen: 1021.643 ug/l
RT: 7.635 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 88 Resp: 1957

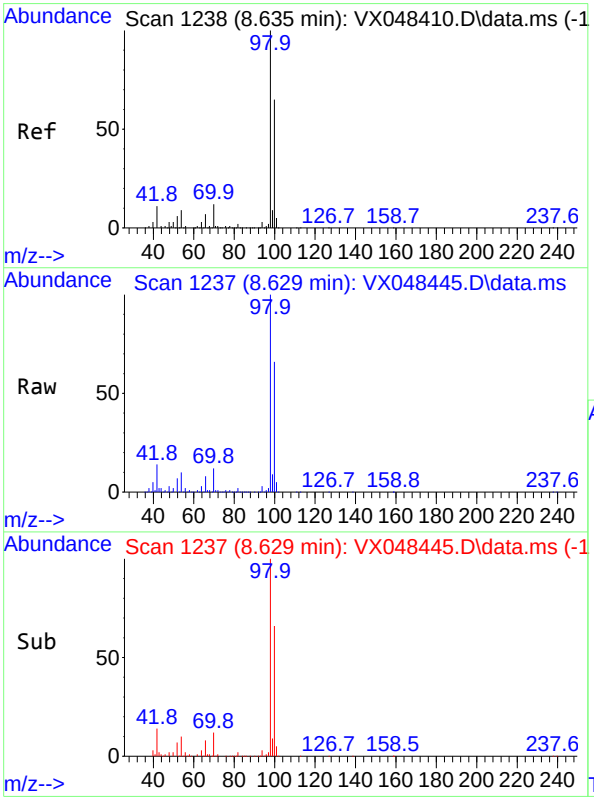
Ion	Ratio	Lower	Upper
88	100		
43	39.4	35.0	52.4
58	66.7	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

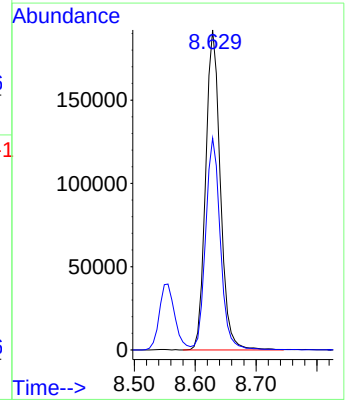
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

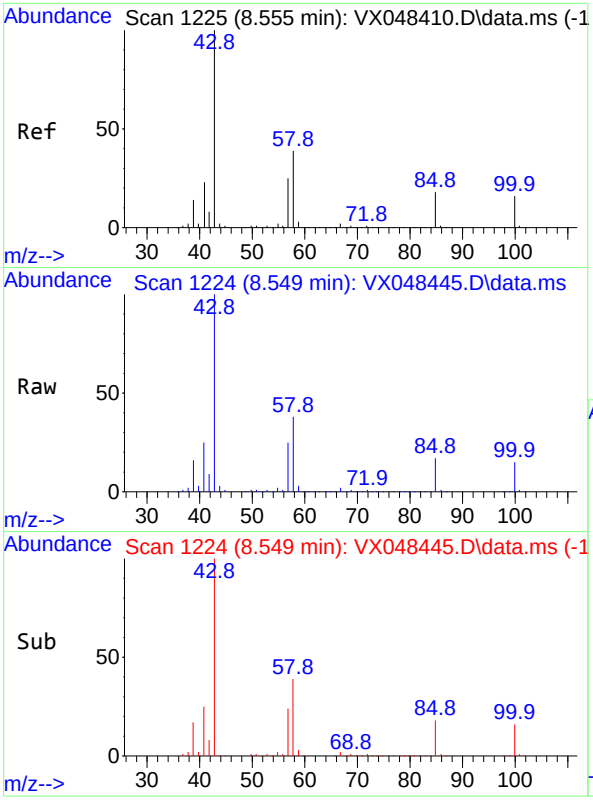


#50
Toluene-d8
Concen: 49.858 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 98 Resp: 321993

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

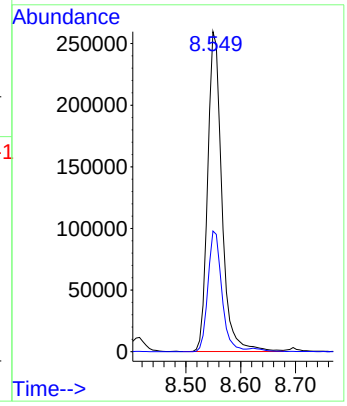




#51
4-Methyl-2-Pentanone
Concen: 241.985 ug/l
RT: 8.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 43 Resp: 46540

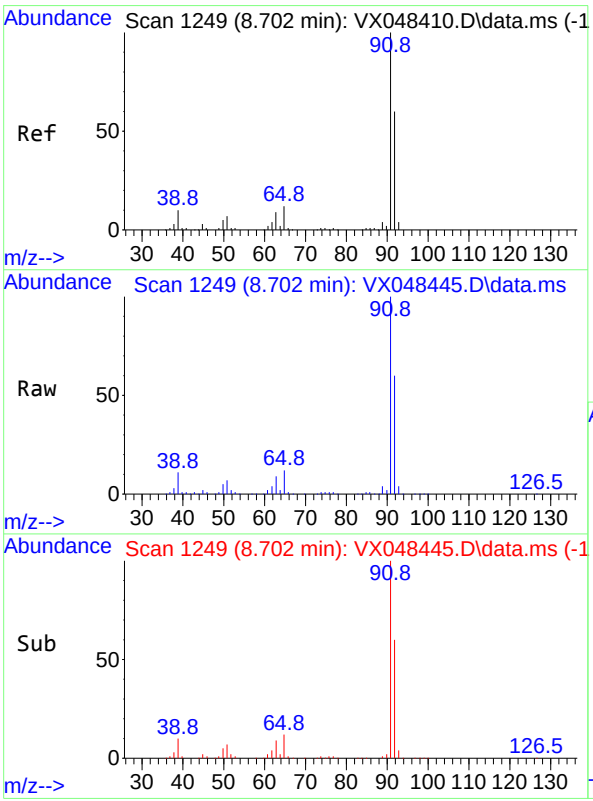
Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

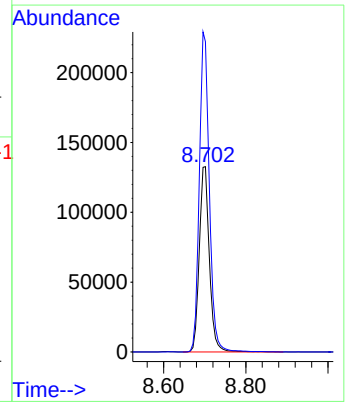
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

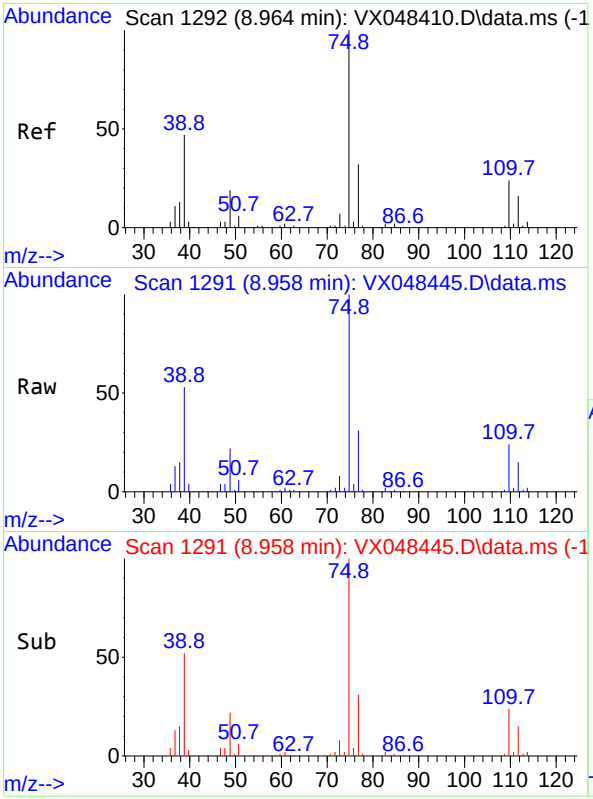


#52
Toluene
Concen: 48.125 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 92 Resp: 225707

Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.1	204.1

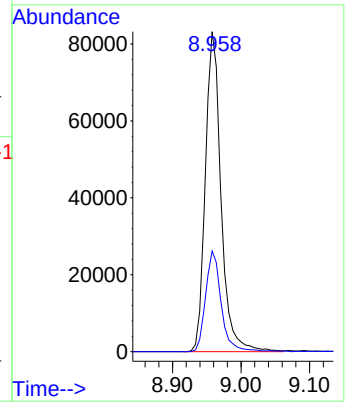




#53
t-1,3-Dichloropropene
Concen: 52.527 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 75 Resp: 13274

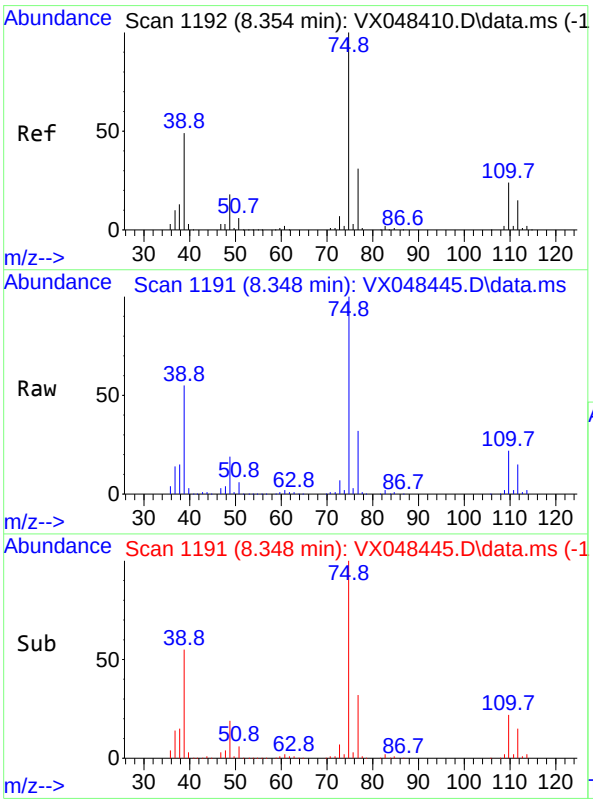
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

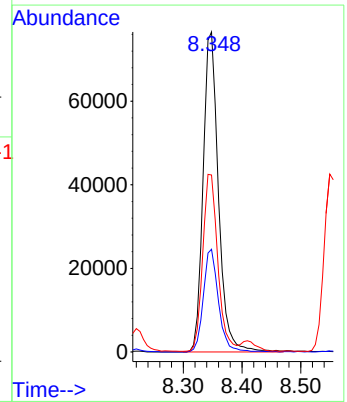
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

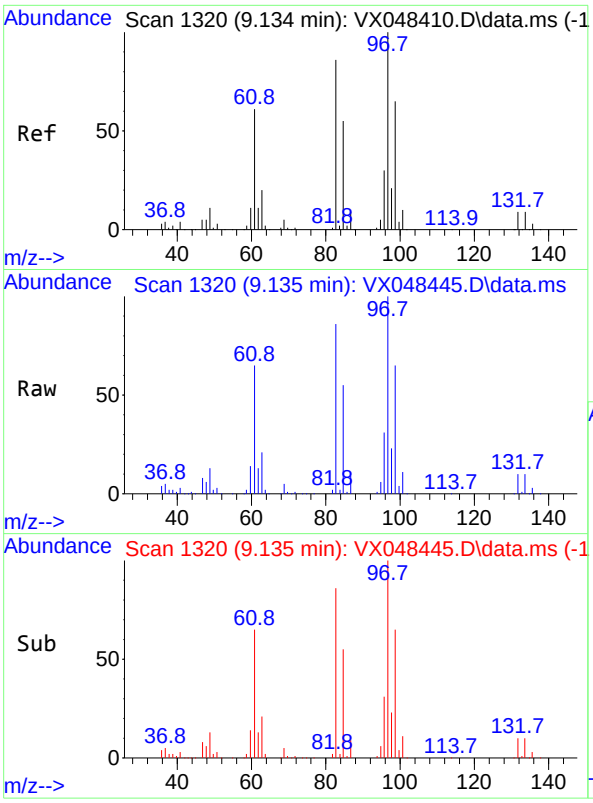


#54
cis-1,3-Dichloropropene
Concen: 51.090 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 75 Resp: 139107

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.9	37.3
39	55.1	42.6	64.0

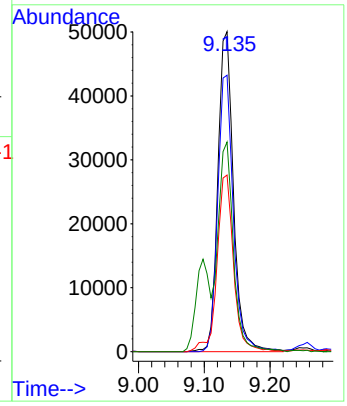




#55
1,1,2-Trichloroethane
Concen: 48.713 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 97 Resp: 8267

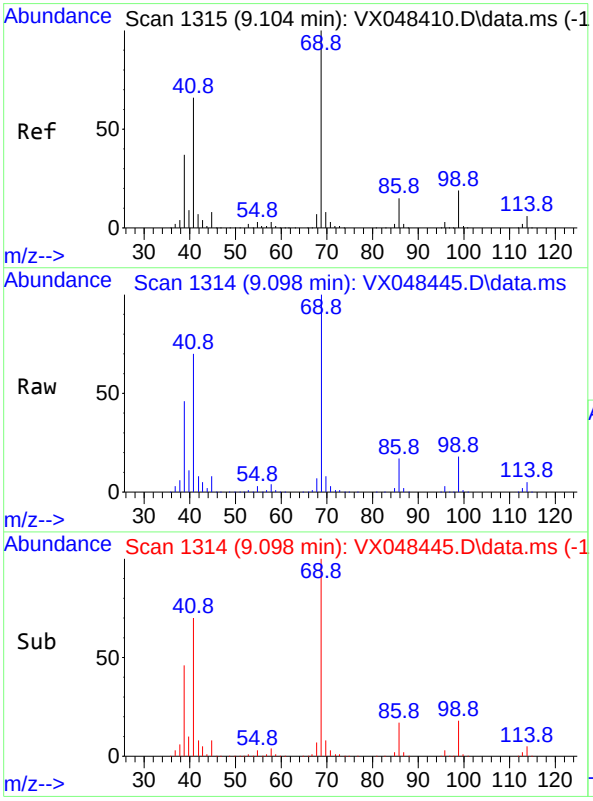
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.6	105.8
85	55.2	45.0	67.6
99	65.5	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

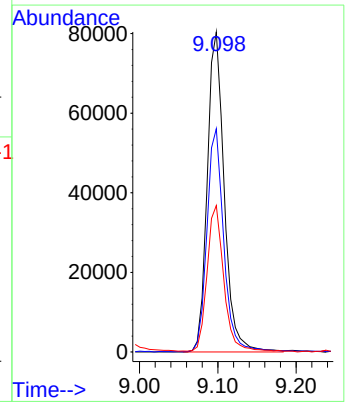
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

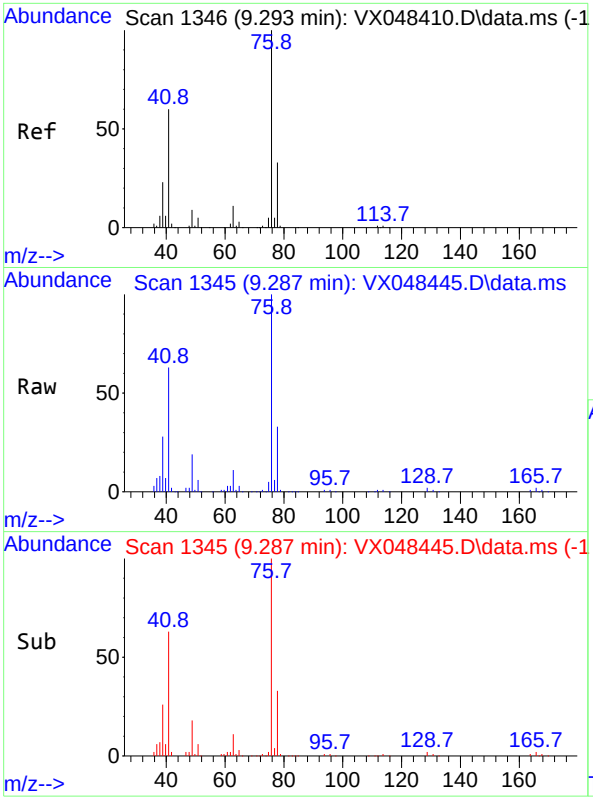


#56
Ethyl methacrylate
Concen: 48.587 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 69 Resp: 120750

Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.0	84.0
39	45.9	31.6	47.4

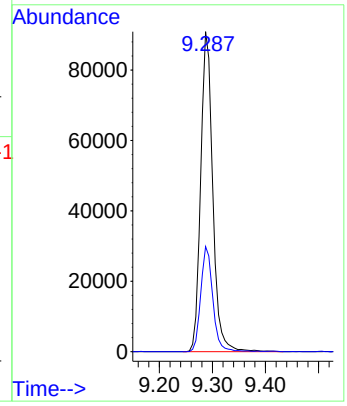




#57
1,3-Dichloropropane
Concen: 48.821 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 76 Resp: 14367

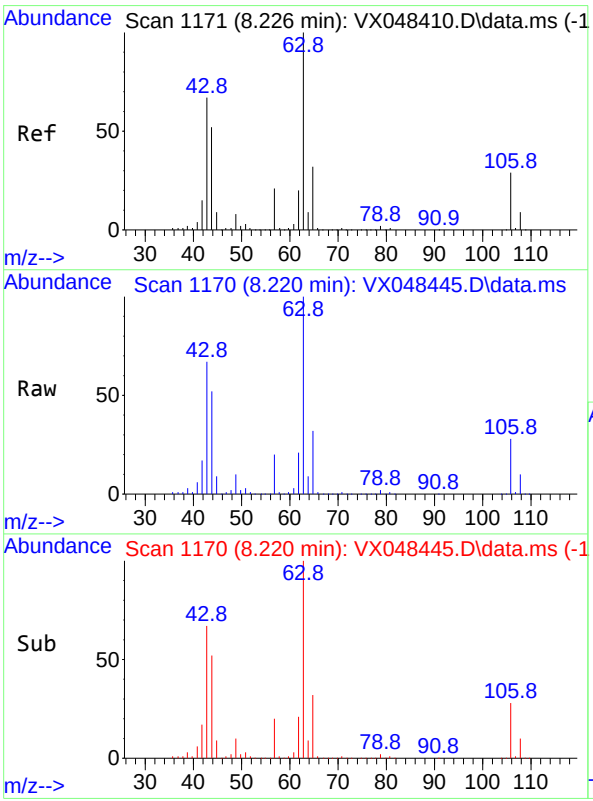
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

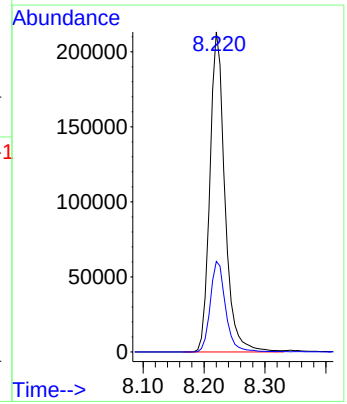
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

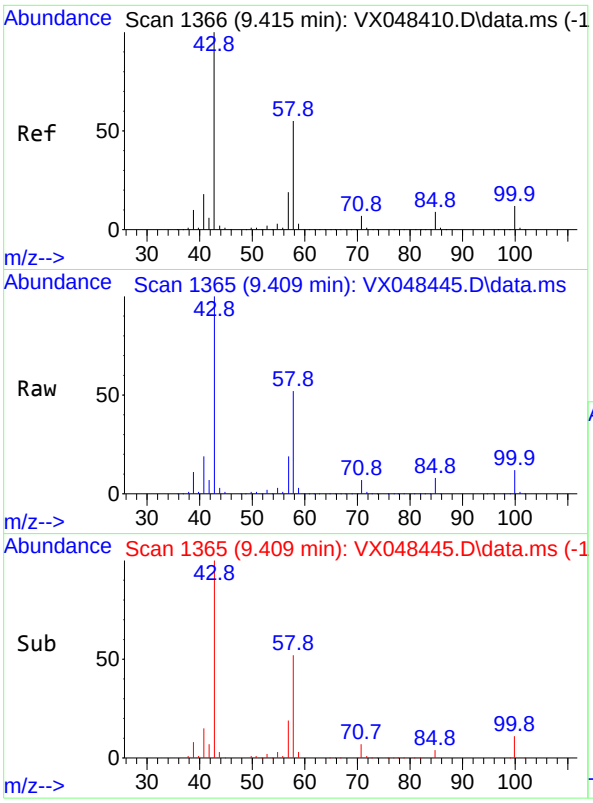


#58
2-Chloroethyl Vinyl ether
Concen: 247.323 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 63 Resp: 365937

Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.2	33.2

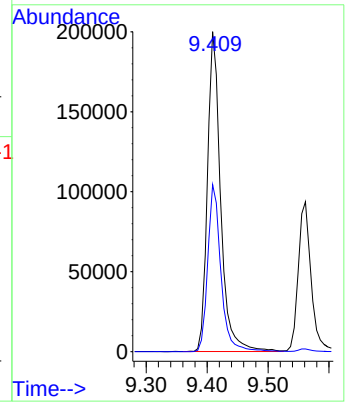




#59
2-Hexanone
Concen: 240.921 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 43 Resp: 30150

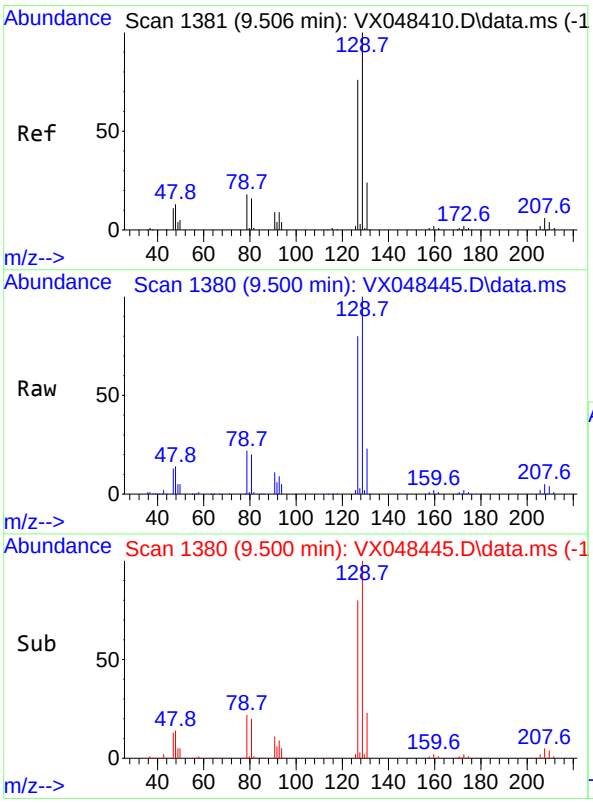
Ion	Ratio	Lower	Upper
43	100		
58	52.3	26.3	78.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

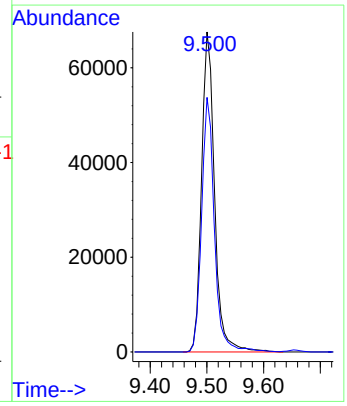
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

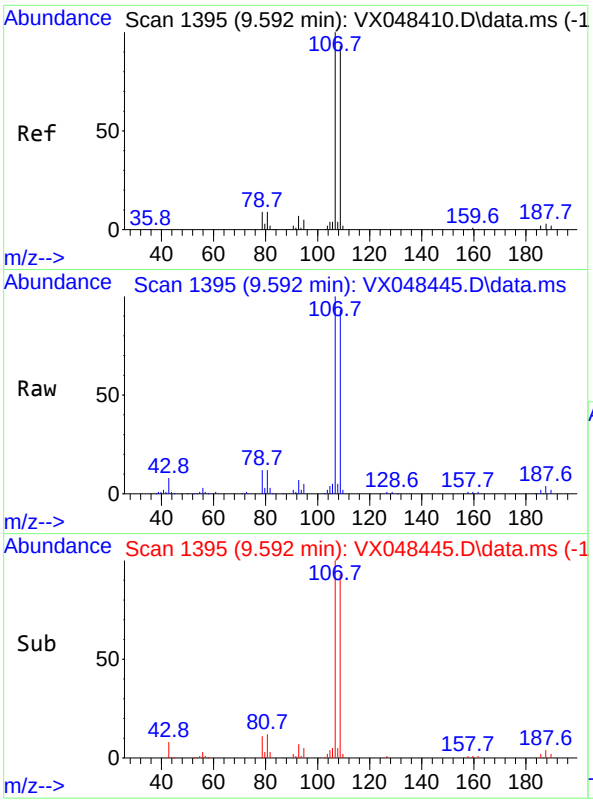


#60
Dibromochloromethane
Concen: 51.215 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:129 Resp: 107504

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.6	115.7





#61
1,2-Dibromoethane
Concen: 49.910 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

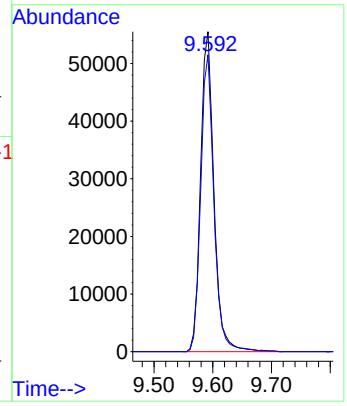
Tgt Ion:107 Resp: 8763

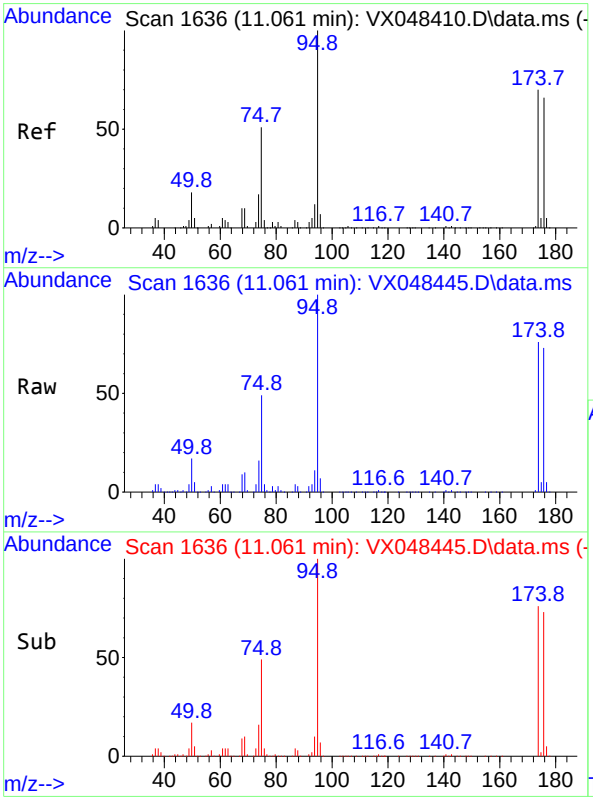
Ion	Ratio	Lower	Upper
107	100		
109	92.2	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

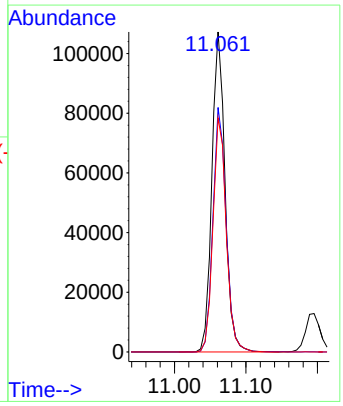


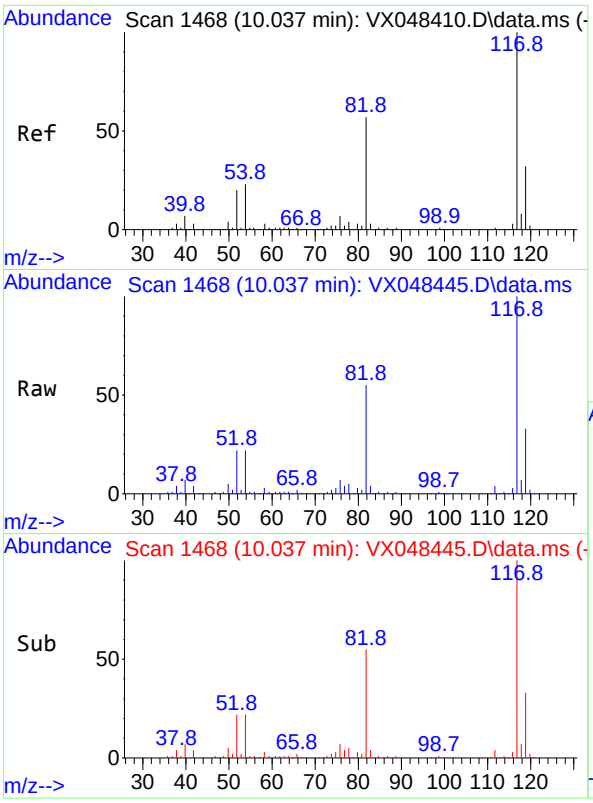


#62
4-Bromofluorobenzene
Concen: 56.400 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 95 Resp: 136256

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	147.8
176	74.1	0.0	142.8

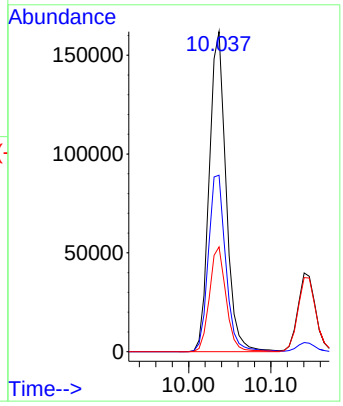




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:117 Resp: 22998

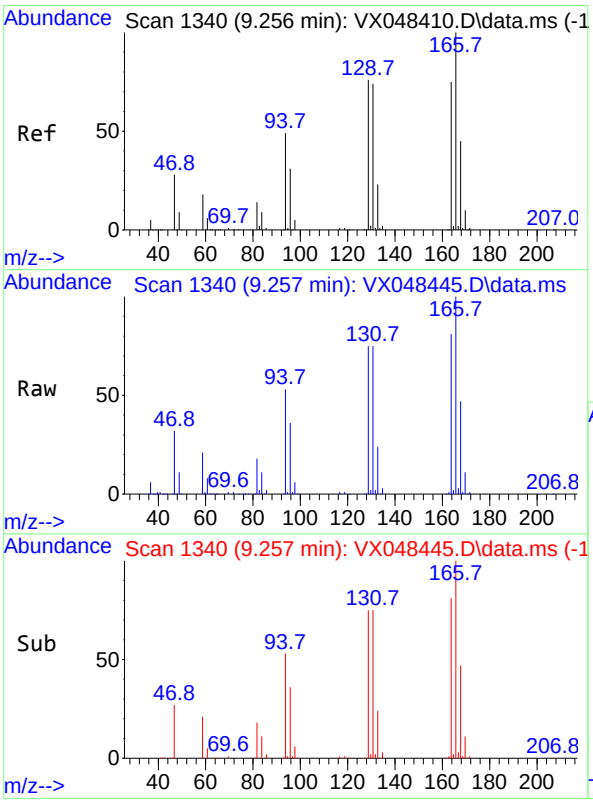
Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.5	69.7
119	32.7	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

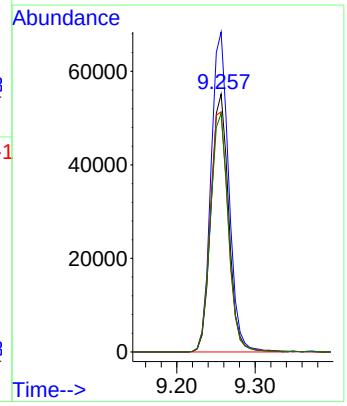
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

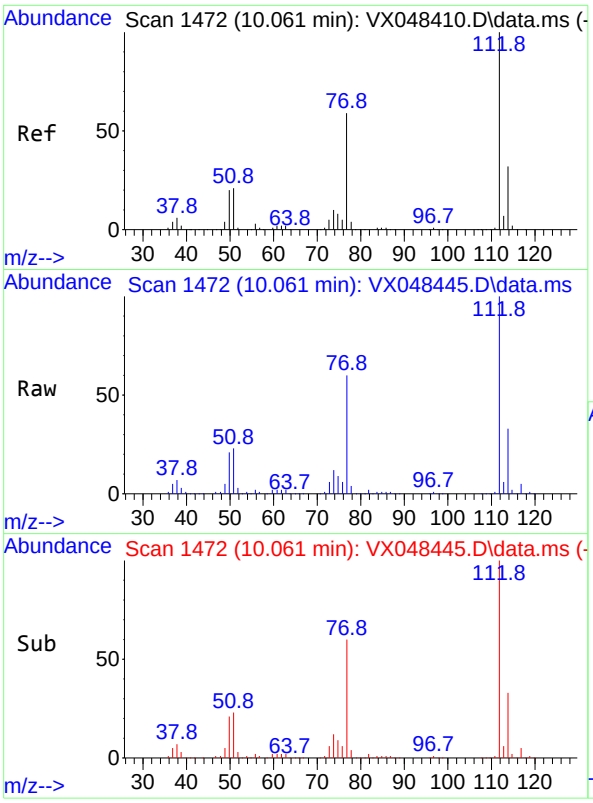


#64
Tetrachloroethene
Concen: 46.413 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:164 Resp: 85963

Ion	Ratio	Lower	Upper
164	100		
166	124.1	104.5	156.7
129	93.1	81.8	122.6
131	92.5	77.0	115.6

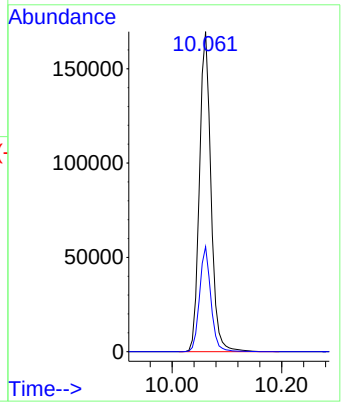




#65
Chlorobenzene
Concen: 46.686 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:112 Resp: 24736

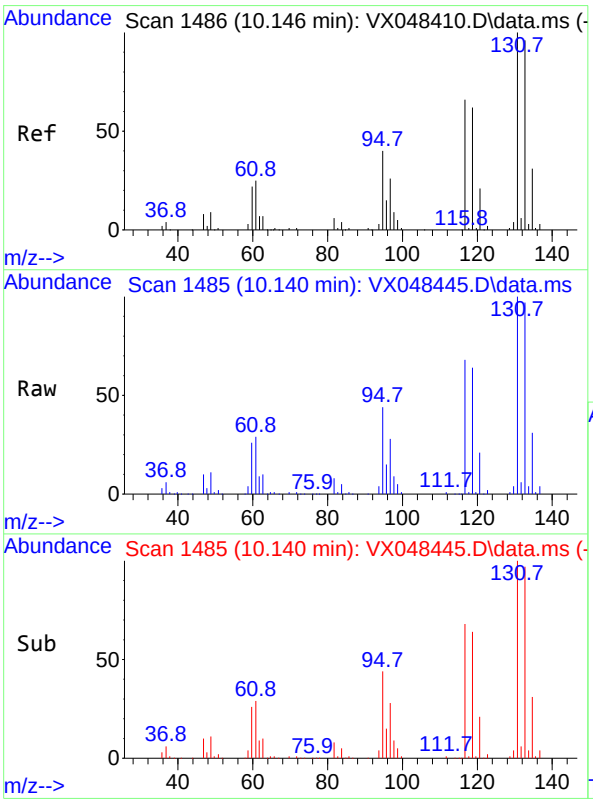
Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

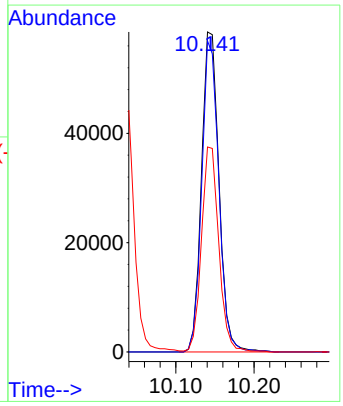
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

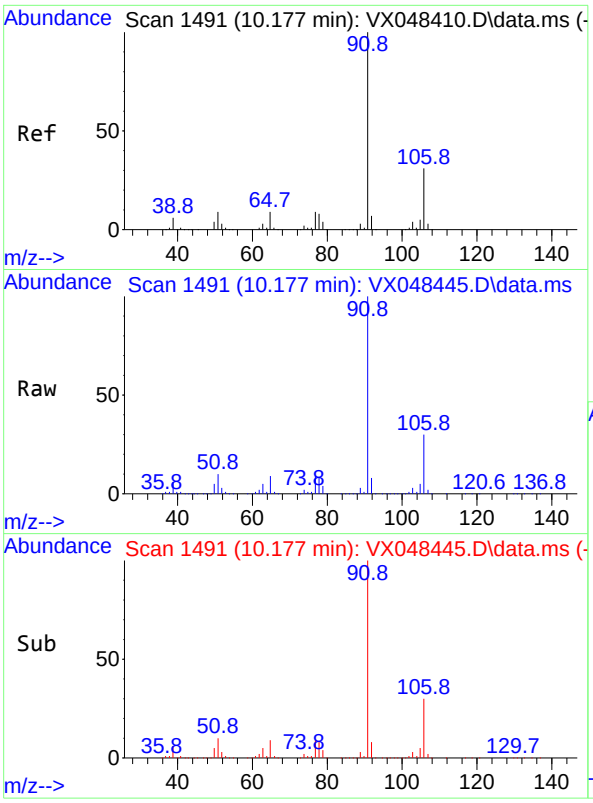


#66
1,1,1,2-Tetrachloroethane
Concen: 50.277 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:131 Resp: 90612

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.6	142.8
119	63.6	32.5	97.5

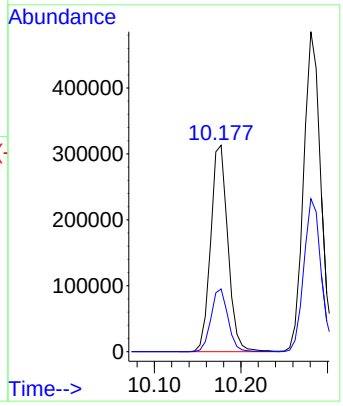




#67
Ethyl Benzene
Concen: 48.428 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 91 Resp: 43202

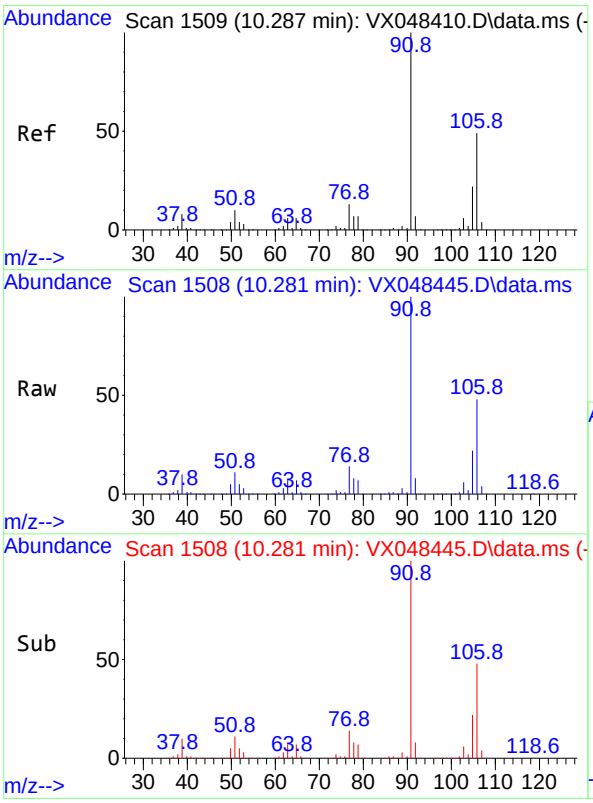
Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

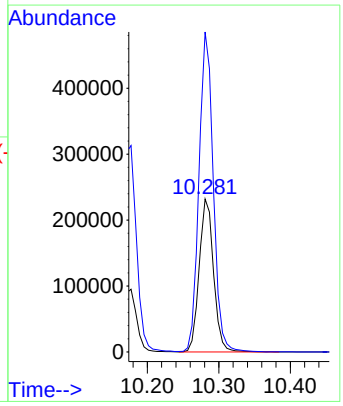
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

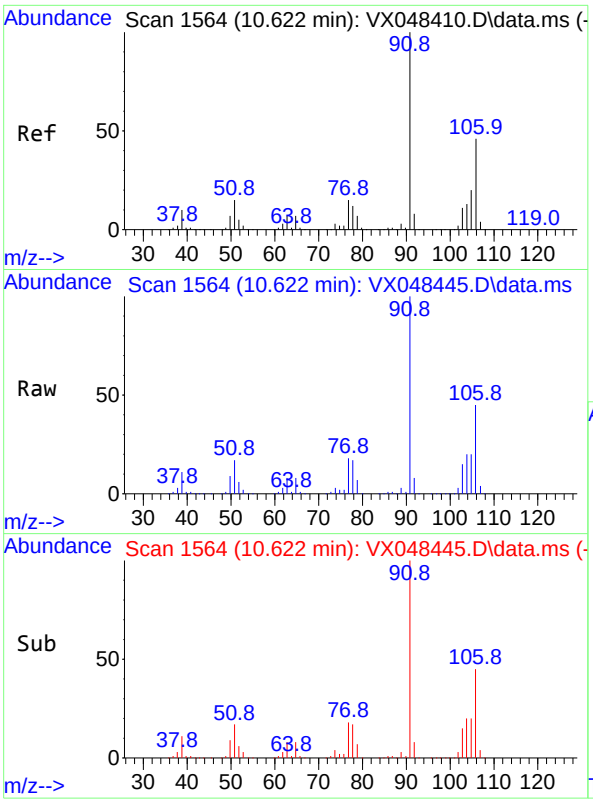


#68
m/p-Xylenes
Concen: 95.928 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:106 Resp: 324026

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.9	251.9

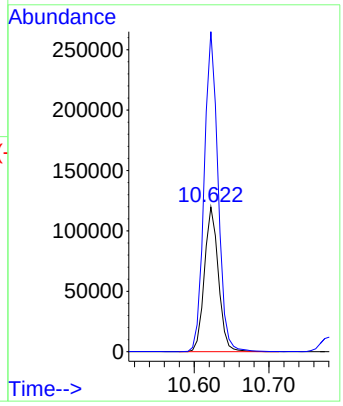




#69
o-Xylene
Concen: 48.147 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:106 Resp: 15541

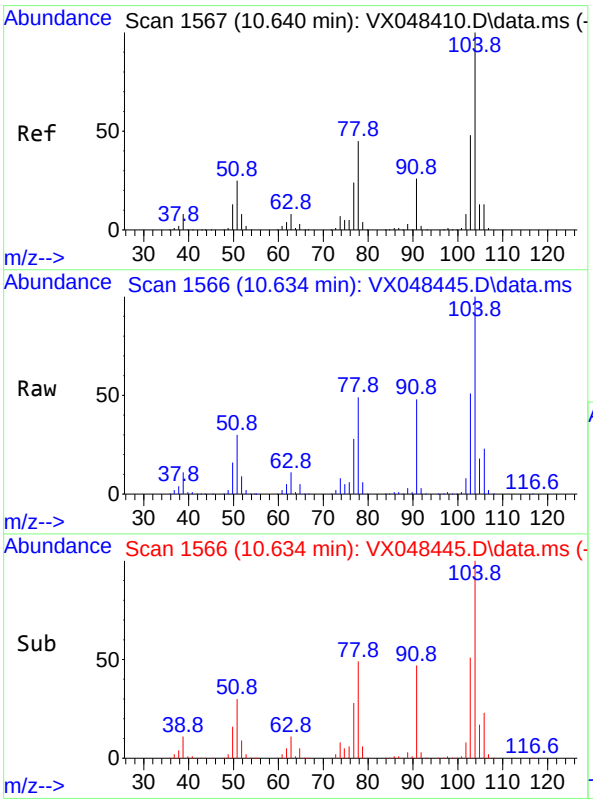
Ion	Ratio	Lower	Upper
106	100		
91	219.4	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

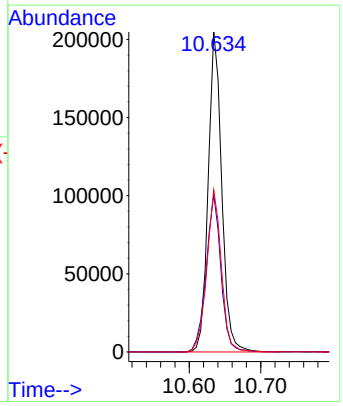
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

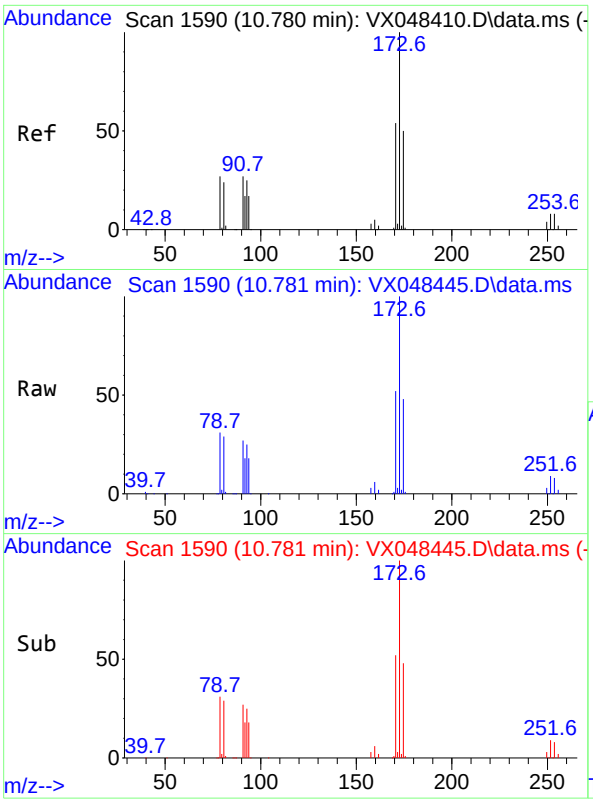


#70
Styrene
Concen: 49.278 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:104 Resp: 269453

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.2	63.4
103	54.6	43.0	64.4

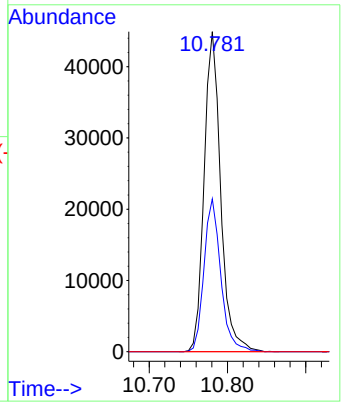




#71
Bromoform
Concen: 50.406 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:173 Resp: 6571

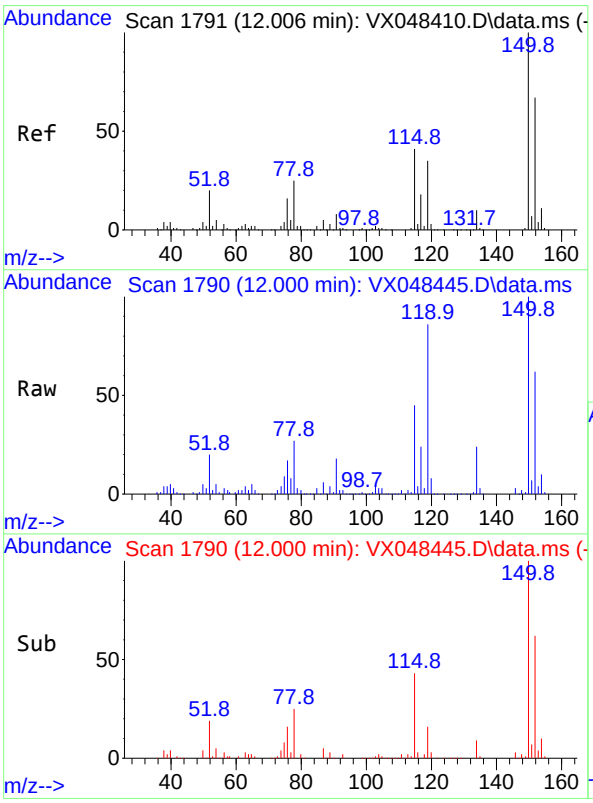
Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

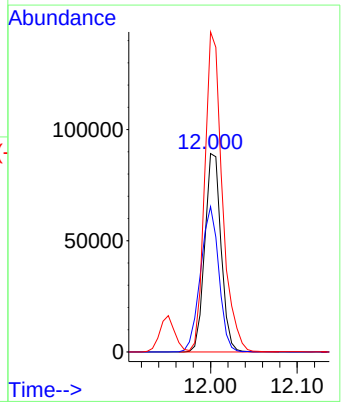
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

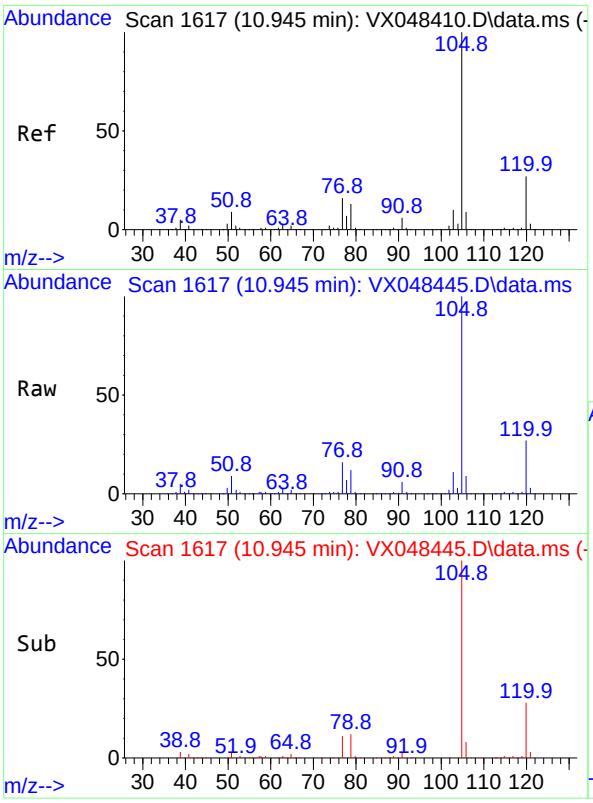


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:152 Resp: 116056

Ion	Ratio	Lower	Upper
152	100		
115	82.8	43.1	129.4
150	173.8	0.0	353.0

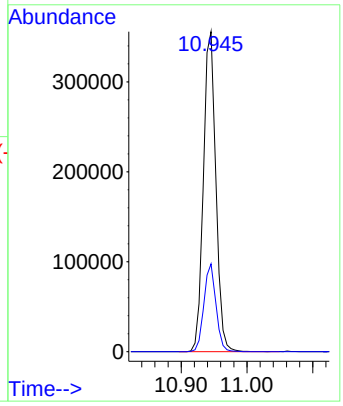




#73
Isopropylbenzene
Concen: 54.466 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:105 Resp: 46753

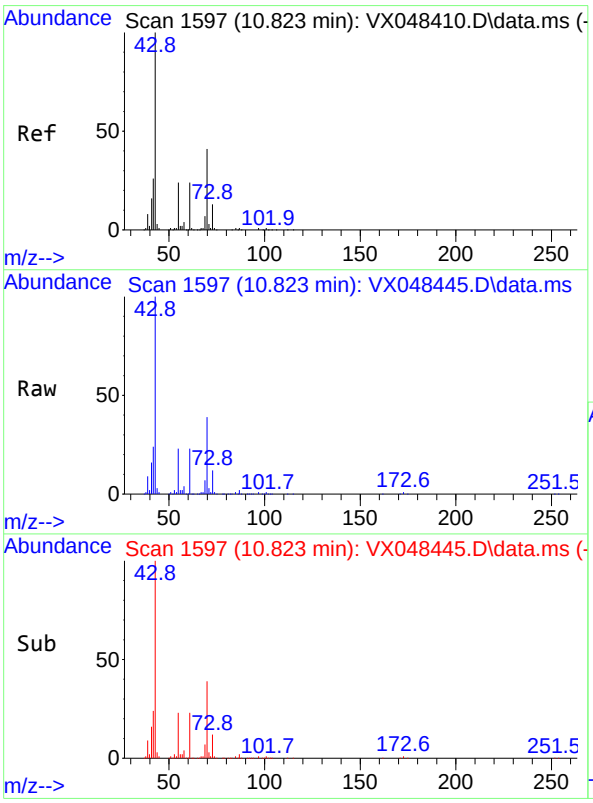
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

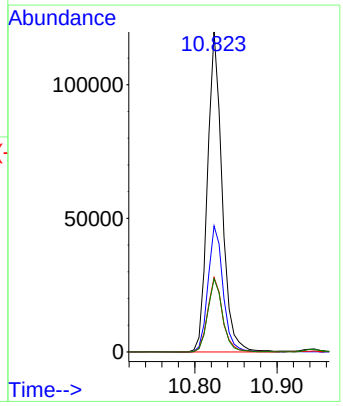
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

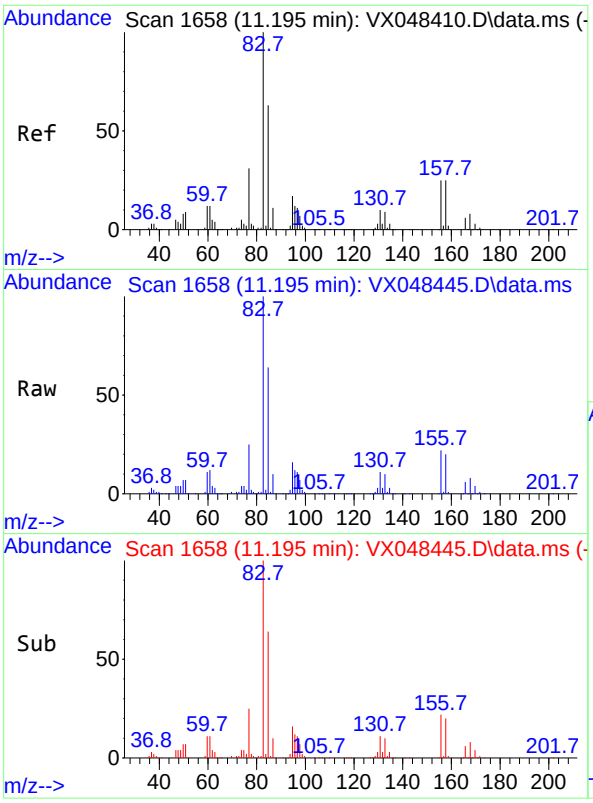


#74
N-amyl acetate
Concen: 48.246 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 43 Resp: 147742

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.2	48.2
55	23.9	19.1	28.7
61	23.1	18.6	28.0

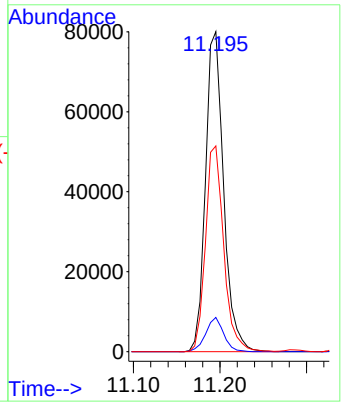




#75
1,1,2,2-Tetrachloroethane
Concen: 53.369 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 83 Resp: 11603

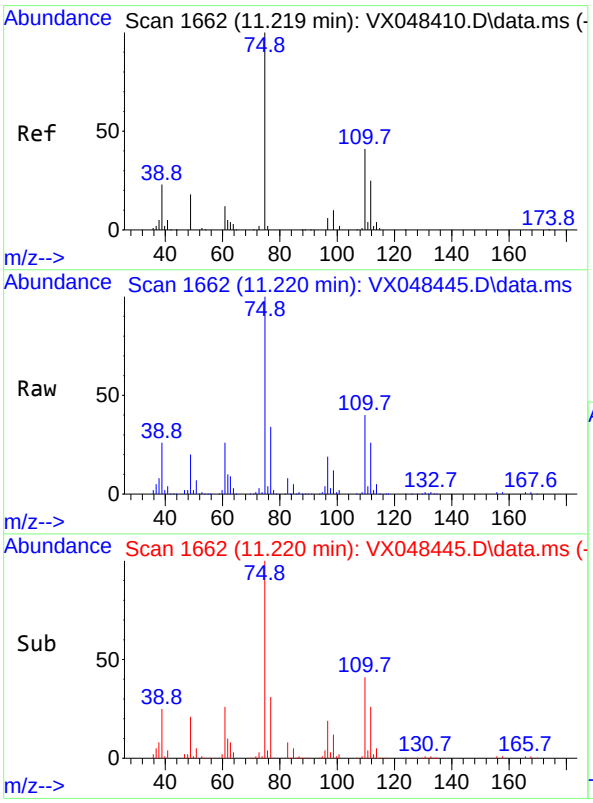
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	65.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

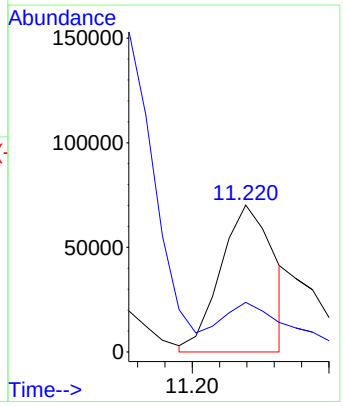
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

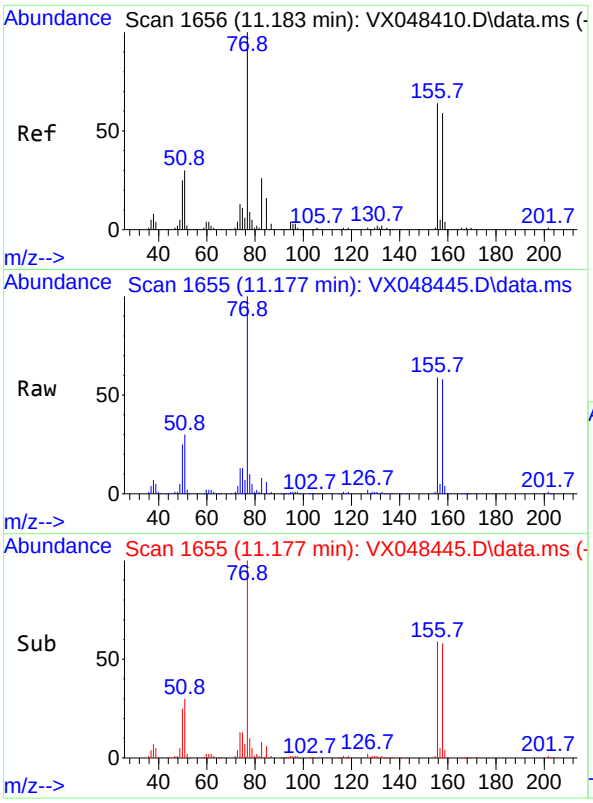


#76
1,2,3-Trichloropropane
Concen: 56.776 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 75 Resp: 94762

Ion	Ratio	Lower	Upper
75	100		
77	45.1	22.4	67.2





#77
Bromobenzene
Concen: 56.251 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

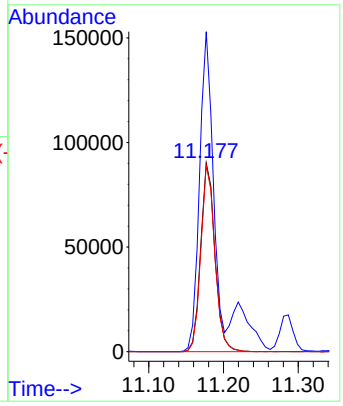
Tgt Ion:156 Resp: 11927

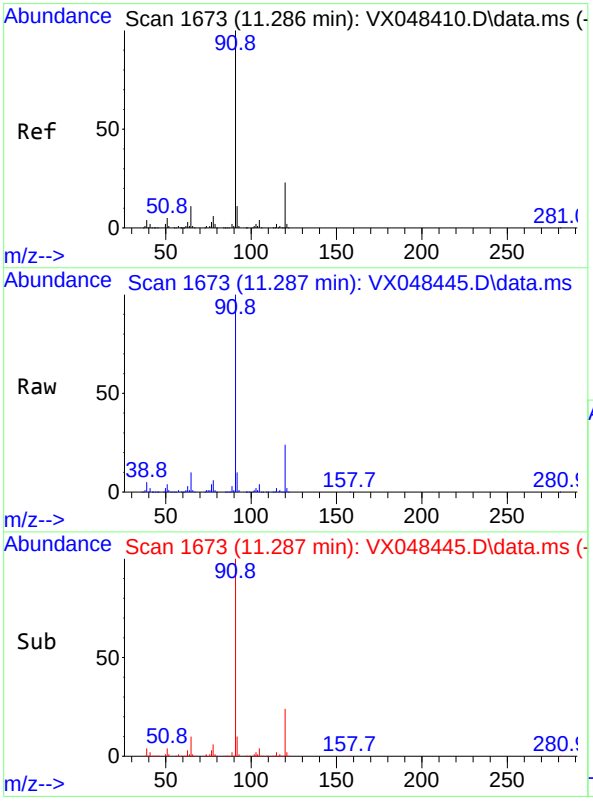
Ion	Ratio	Lower	Upper
156	100		
77	162.9	87.0	261.0
158	97.4	47.8	143.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

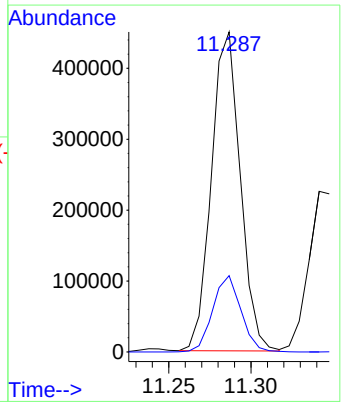


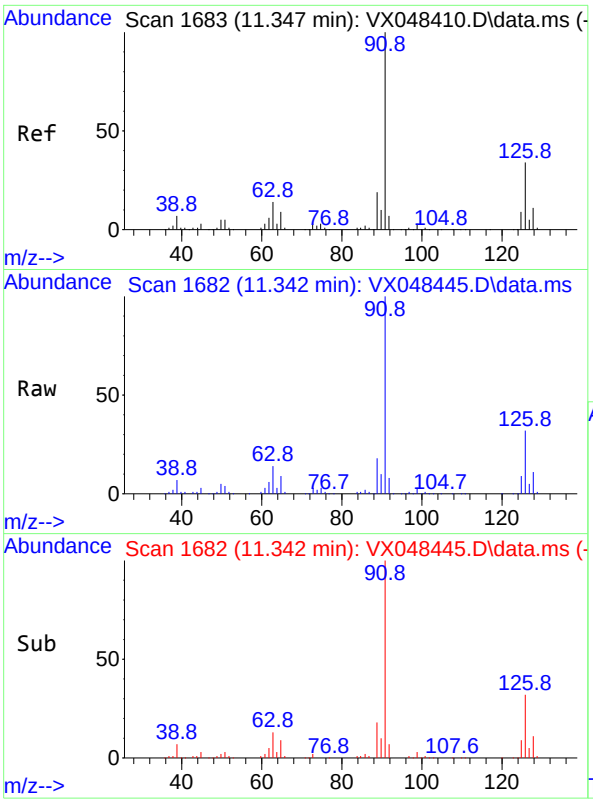


#78
n-propylbenzene
Concen: 54.130 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 91 Resp: 549175

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.1	33.1

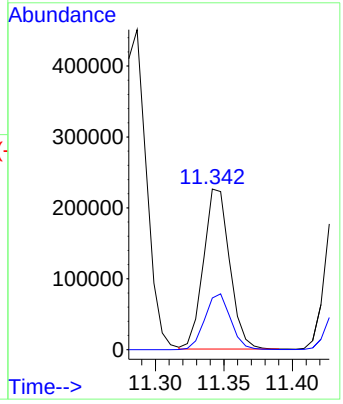




#79
2-Chlorotoluene
Concen: 49.249 ug/l
RT: 11.342 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 91 Resp: 29999

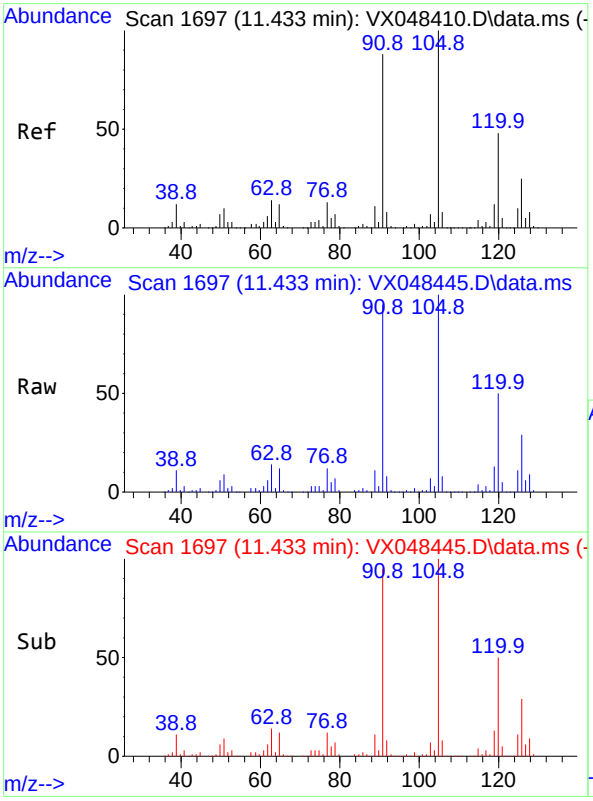
Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

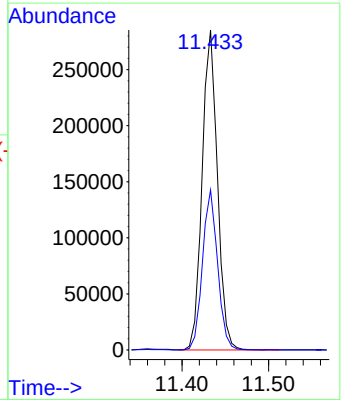
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

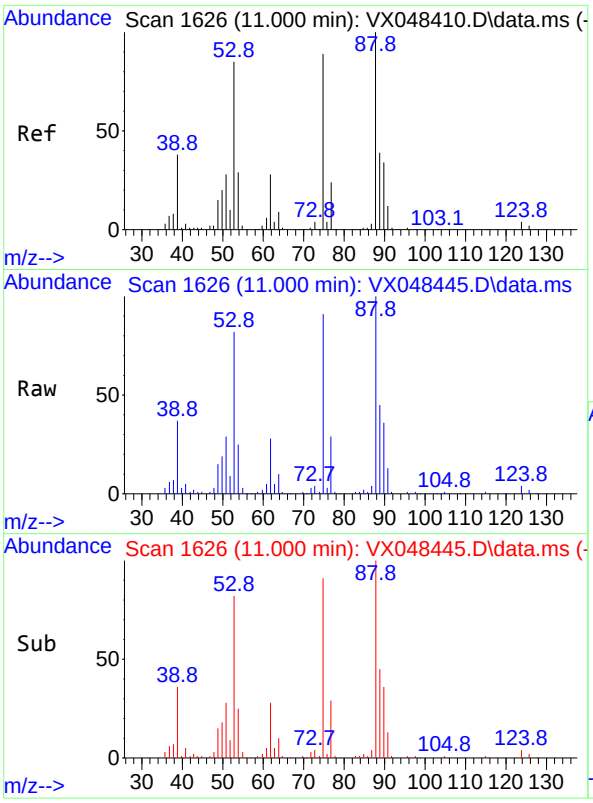


#80
1,3,5-Trimethylbenzene
Concen: 49.639 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:105 Resp: 349288

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.0	72.0

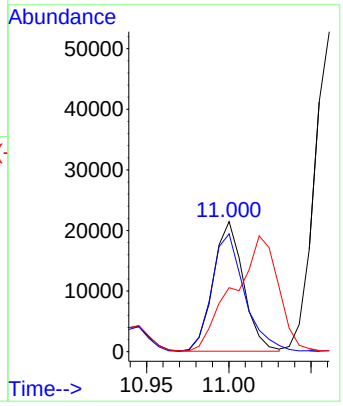




#81
trans-1,4-Dichloro-2-butene
Concen: 56.613 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 75 Resp: 2730

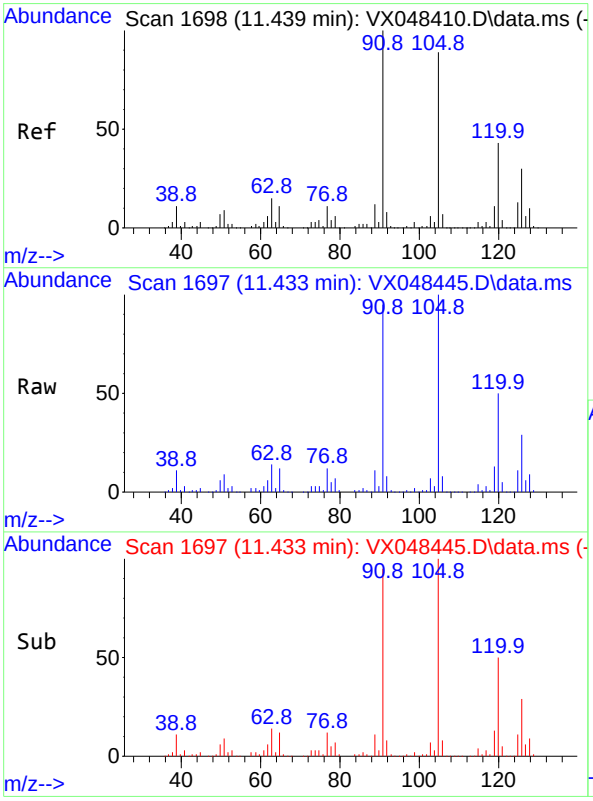
Ion	Ratio	Lower	Upper
75	100		
53	99.0	79.5	119.3
89	133.4	36.8	55.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

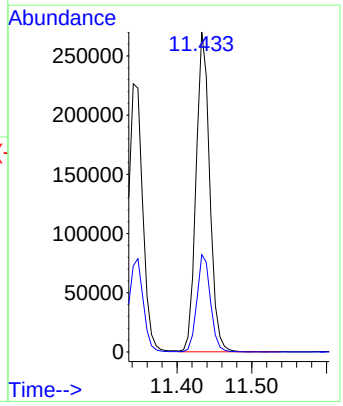
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

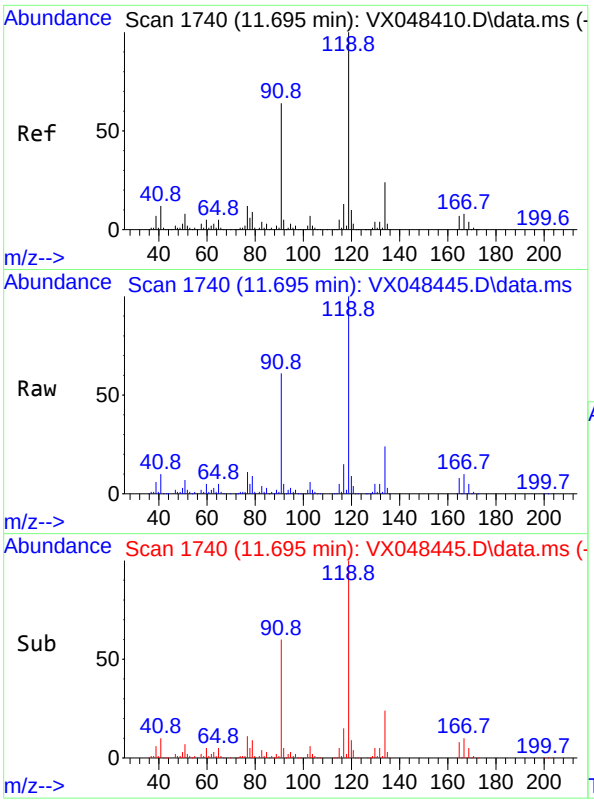


#82
4-Chlorotoluene
Concen: 47.662 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 91 Resp: 341305

Ion	Ratio	Lower	Upper
91	100		
126	30.3	14.1	42.4

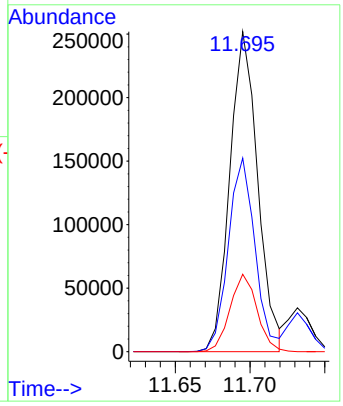




#83
tert-Butylbenzene
Concen: 45.660 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:119 Resp: 32709

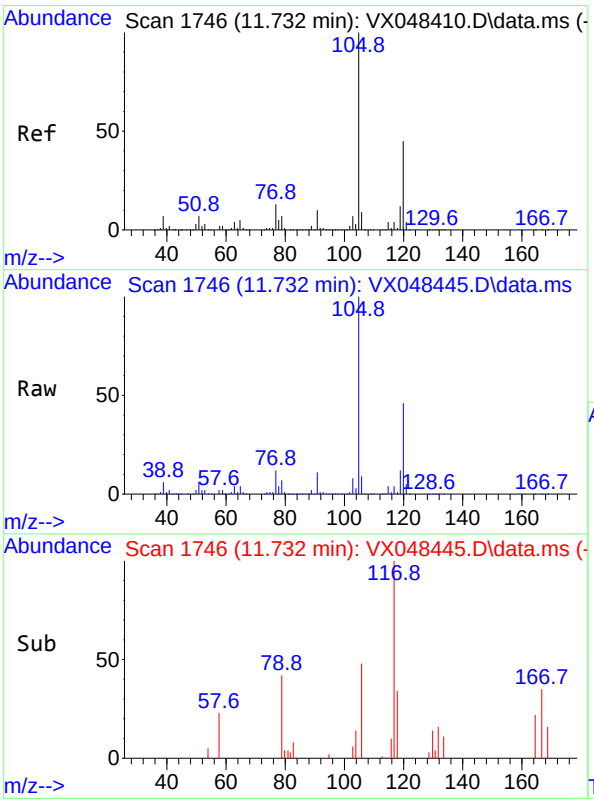
Ion	Ratio	Lower	Upper
119	100		
91	58.1	30.3	91.0
134	23.4	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

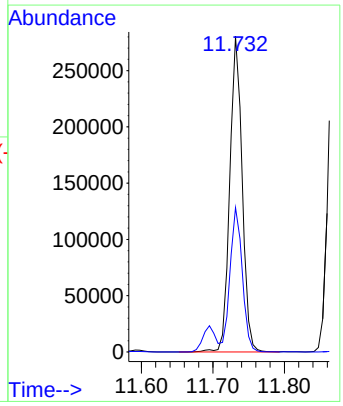
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

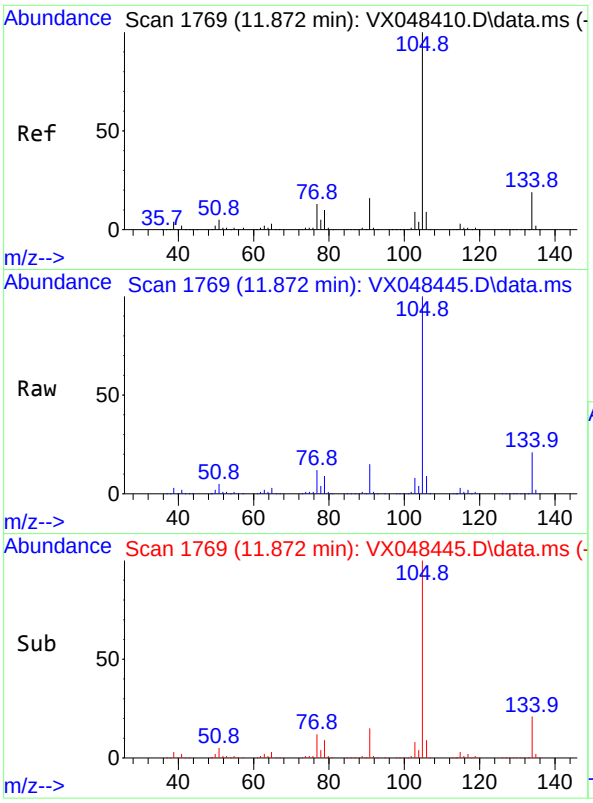


#84
1,2,4-Trimethylbenzene
Concen: 48.429 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:105 Resp: 337416

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.1	66.5

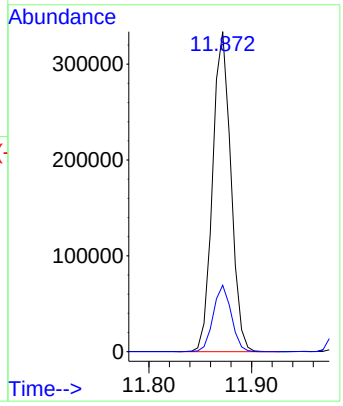




#85
sec-Butylbenzene
Concen: 46.005 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:105 Resp: 41064

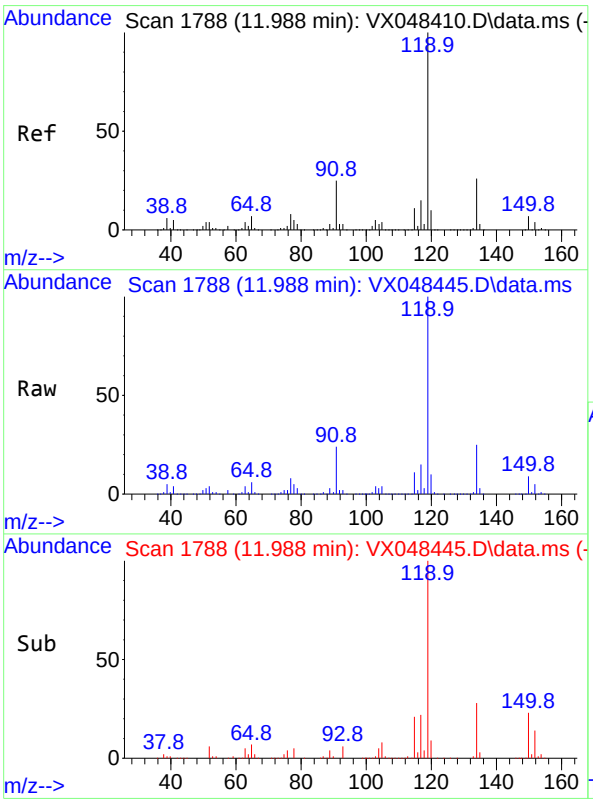
Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

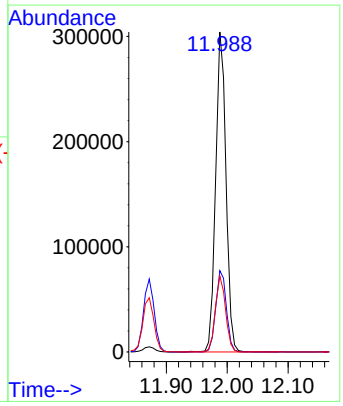
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

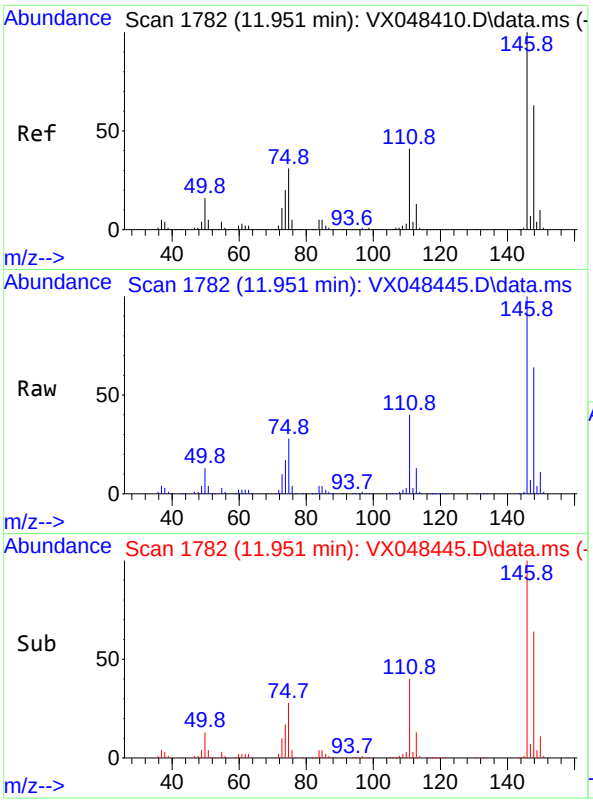


#86
p-Isopropyltoluene
Concen: 47.470 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:119 Resp: 358216

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	23.7	12.1	36.3

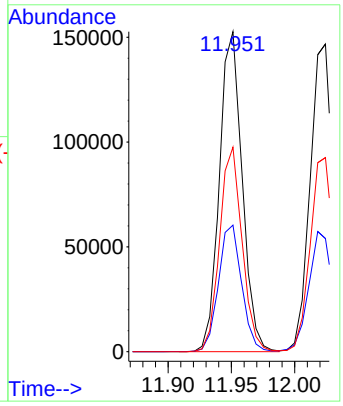




#87
1,3-Dichlorobenzene
Concen: 47.190 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:146 Resp: 19109

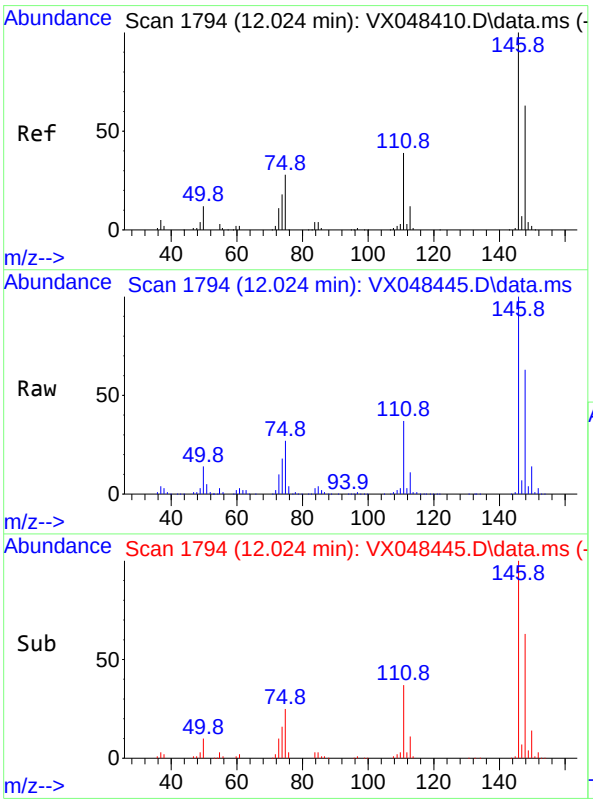
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.2
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

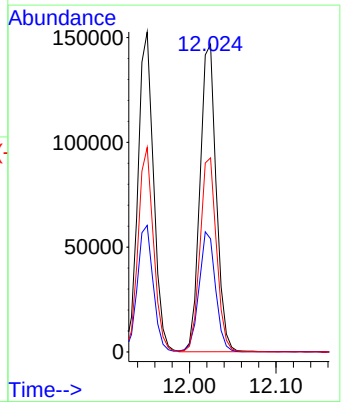
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

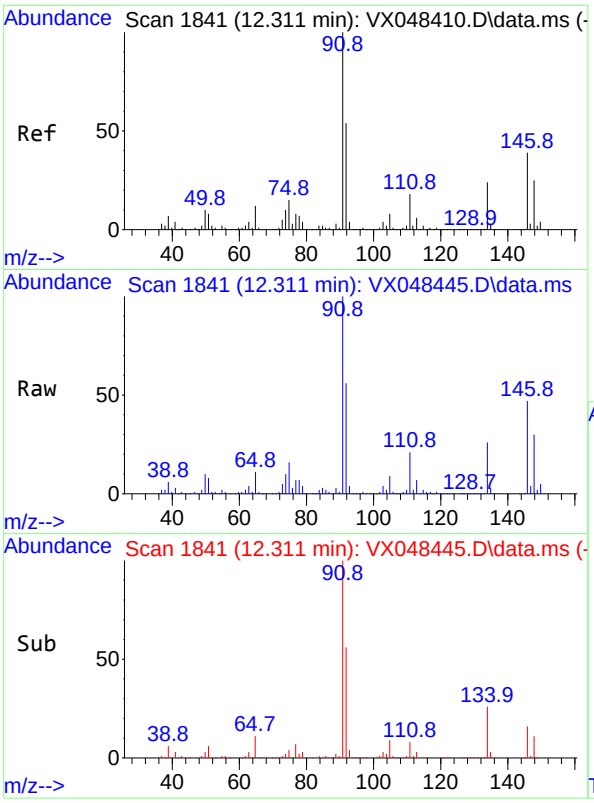


#88
1,4-Dichlorobenzene
Concen: 46.453 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:146 Resp: 191596

Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.1	60.2
148	63.8	31.8	95.3

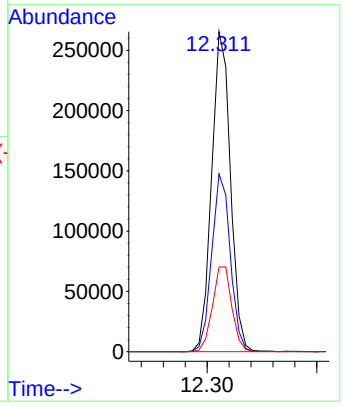




#89
n-Butylbenzene
Concen: 44.596 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 91 Resp: 31596

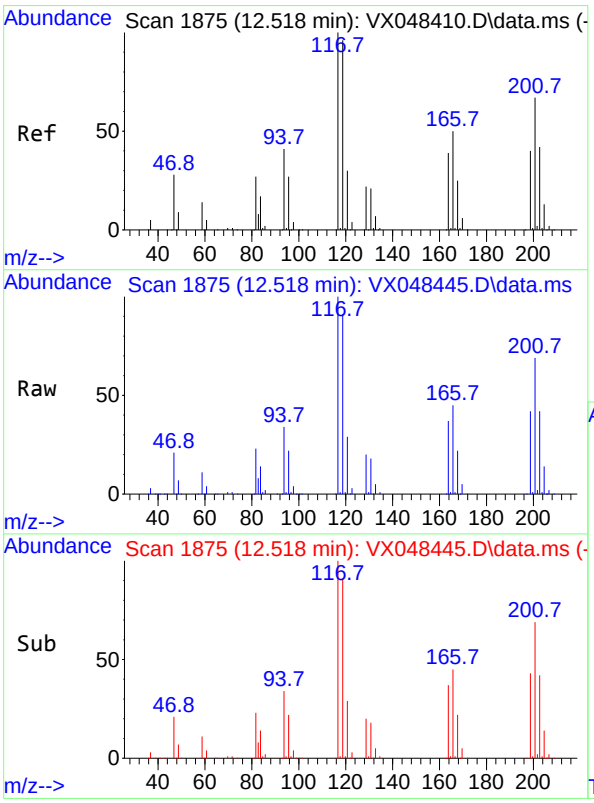
Ion	Ratio	Lower	Upper
91	100		
92	55.0	26.9	80.6
134	27.4	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

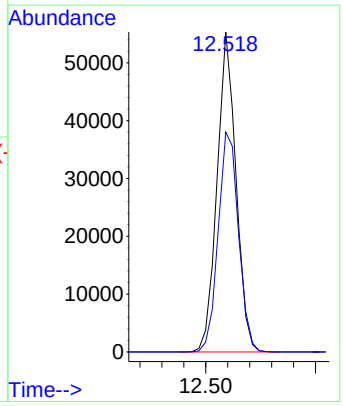
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

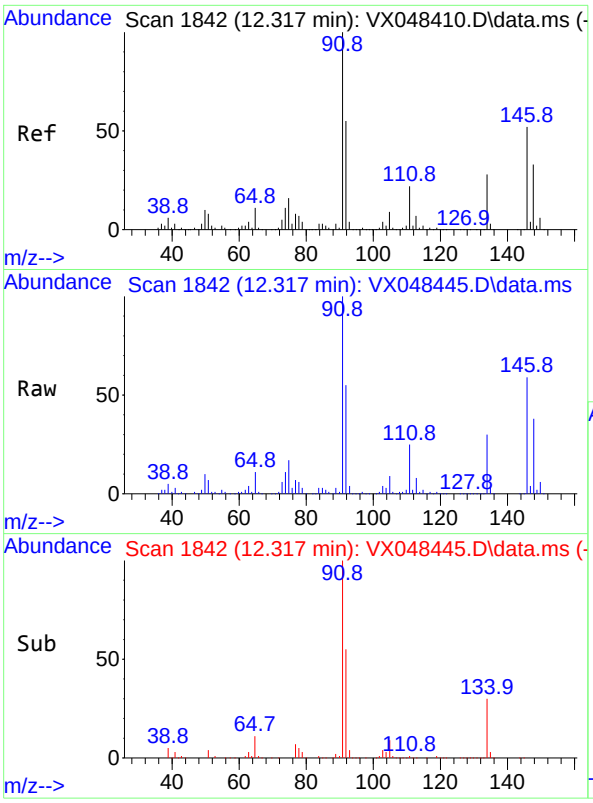


#90
Hexachloroethane
Concen: 50.095 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:117 Resp: 66425

Ion	Ratio	Lower	Upper
117	100		
201	73.8	34.1	102.2

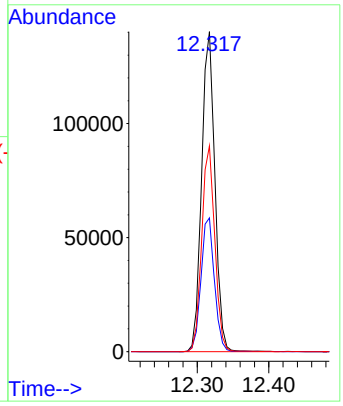




#91
1,2-Dichlorobenzene
Concen: 48.080 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:146 Resp: 18042

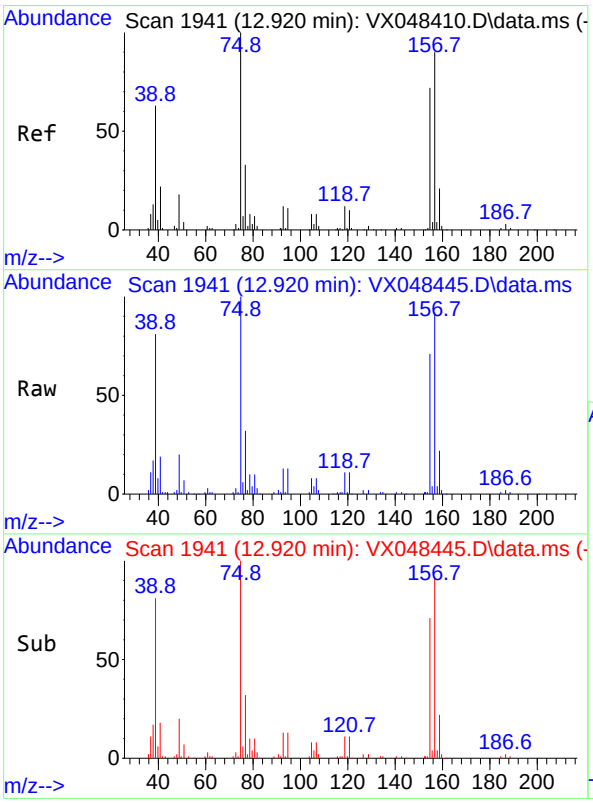
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.9	65.5
148	63.8	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

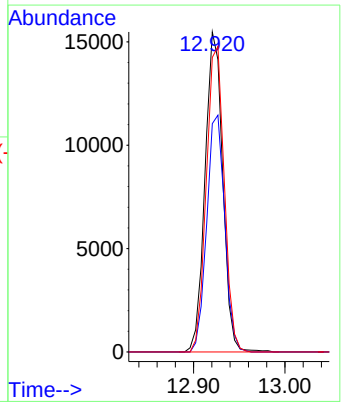
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

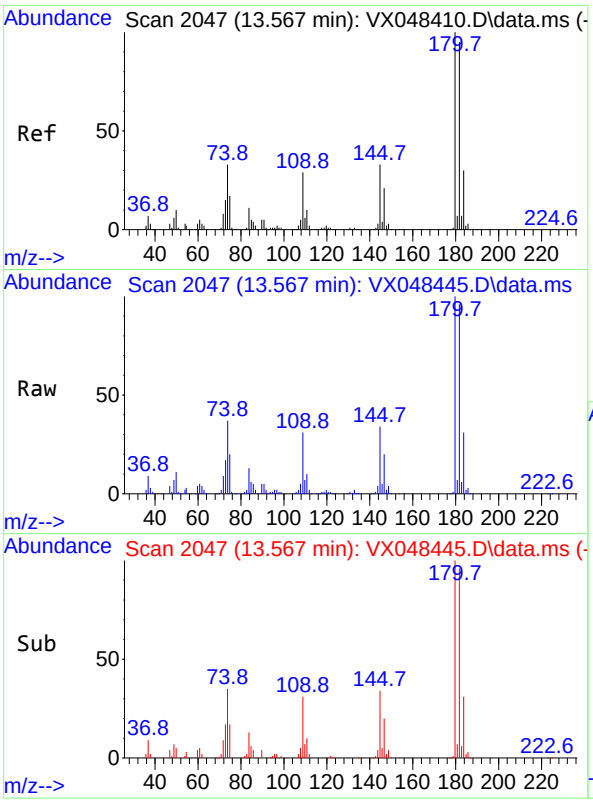


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.700 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion: 75 Resp: 20735

Ion	Ratio	Lower	Upper
75	100		
155	75.3	42.8	128.4
157	96.6	54.2	162.6

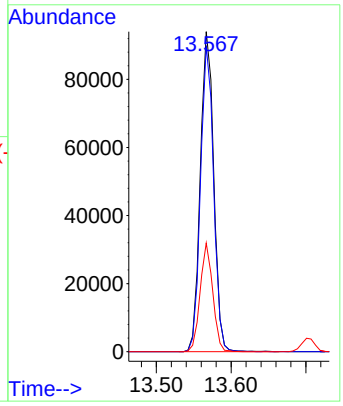




#93
1,2,4-Trichlorobenzene
Concen: 45.100 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:180 Resp: 11678

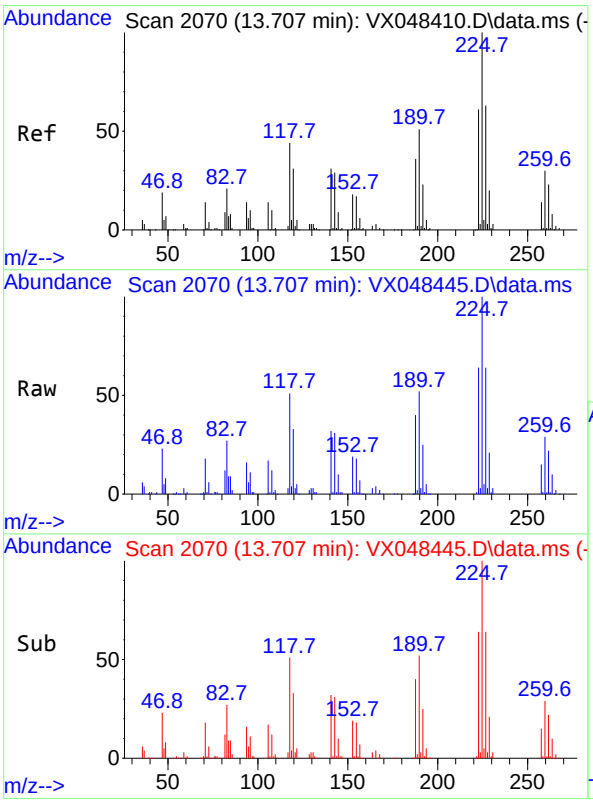
Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	142.0
145	32.0	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

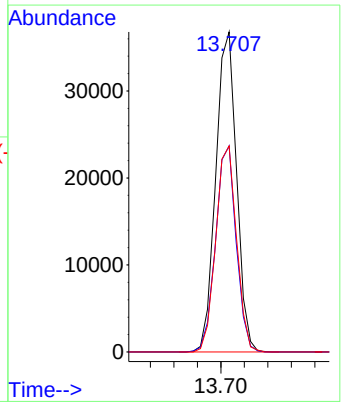
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

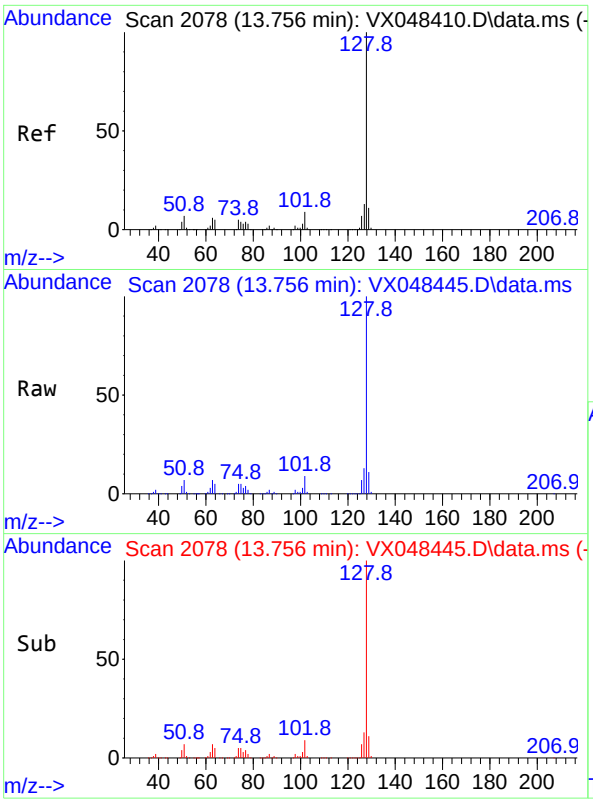


#94
Hexachlorobutadiene
Concen: 41.627 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:225 Resp: 45216

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.6	97.7
227	64.3	32.5	97.4

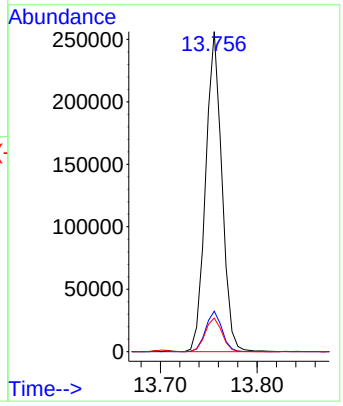




#95
Naphthalene
Concen: 45.778 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:128 Resp: 29939

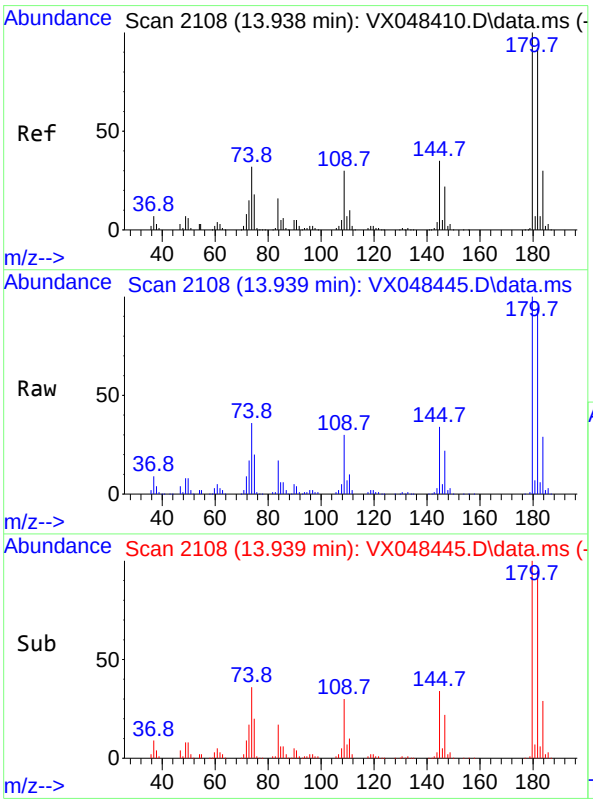
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

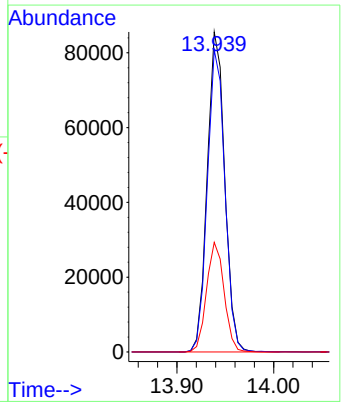
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 45.765 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048445.D
Acq: 03 Nov 2025 09:14

Tgt Ion:180 Resp: 107645

Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.6	139.7
145	34.4	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048445.D
Acq On : 03 Nov 2025 09:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 04 00:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 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	114	0.00
2	T	Dichlorodifluoromethane	50.000	43.172	13.7	93	0.00
3	P	Chloromethane	50.000	45.122	9.8	109	0.00
4	C	Vinyl Chloride	50.000	47.743	4.5#	109	0.00
5	T	Bromomethane	50.000	51.955	-3.9	118	0.00
6	T	Chloroethane	50.000	47.761	4.5	110	0.00
7	T	Trichlorofluoromethane	50.000	46.755	6.5	105	0.00
8	T	Diethyl Ether	50.000	51.692	-3.4	124	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.697	0.6	111	0.00
10	T	Methyl Iodide	50.000	39.939	20.1	96	0.00
11	T	Tert butyl alcohol	250.000	206.732	17.3	98	0.00
12	CM	1,1-Dichloroethene	50.000	50.941	-1.9#	117	0.00
13	T	Acrolein	250.000	253.826	-1.5	119	0.00
14	T	Allyl chloride	50.000	41.384	17.2	100	0.00
15	T	Acrylonitrile	250.000	206.221	17.5	96	0.00
16	T	Acetone	250.000	238.641	4.5	112	0.00
17	T	Carbon Disulfide	50.000	42.290	15.4	96	0.00
18	T	Methyl Acetate	50.000	42.019	16.0	106	0.00
19	T	Methyl tert-butyl Ether	50.000	44.288	11.4	107	0.00
20	T	Methylene Chloride	50.000	43.232	13.5	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	42.231	15.5	98	0.00
22	T	Diisopropyl ether	50.000	43.800	12.4	102	-0.01
23	T	Vinyl Acetate	250.000	224.625	10.2	106	-0.01
24	P	1,1-Dichloroethane	50.000	43.215	13.6	102	0.00
25	T	2-Butanone	250.000	209.435	16.2	97	0.00
26	T	2,2-Dichloropropane	50.000	44.773	10.5	106	-0.01
27	T	cis-1,2-Dichloroethene	50.000	41.377	17.2	98	0.00
28	T	Bromochloromethane	50.000	52.979	-6.0	122	-0.02
29	T	Tetrahydrofuran	250.000	215.222	13.9	101	-0.01
30	C	Chloroform	50.000	46.316	7.4#	110	-0.01
31	T	Cyclohexane	50.000	44.663	10.7	100	-0.01
32	T	1,1,1-Trichloroethane	50.000	48.232	3.5	111	-0.01
33	S	1,2-Dichloroethane-d4	50.000	45.129	9.7	110	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	60.689	-21.4	124	-0.01
36	T	1,1-Dichloropropene	50.000	55.422	-10.8	107	-0.01
37	T	Ethyl Acetate	50.000	49.908	0.2	98	-0.01
38	T	Carbon Tetrachloride	50.000	55.059	-10.1	107	0.00
39	T	Methylcyclohexane	50.000	44.499	11.0	81	0.00
40	TM	Benzene	50.000	57.824	-15.6	113	-0.01
41	T	Methacrylonitrile	50.000	60.144	-20.3	113	-0.02
42	TM	1,2-Dichloroethane	50.000	57.694	-15.4	117	-0.01
43	T	Isopropyl Acetate	50.000	50.203	-0.4	99	-0.01
44	TM	Trichloroethene	50.000	47.733	4.5	94	0.00
45	C	1,2-Dichloropropane	50.000	48.407	3.2#	96	0.00
46	T	Dibromomethane	50.000	51.930	-3.9	104	0.00
47	T	Bromodichloromethane	50.000	53.490	-7.0	106	0.00
48	T	Methyl methacrylate	50.000	51.278	-2.6	99	0.00

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ClientSampleId :

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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1021.643	-2.2	95	0.00
50	S	Toluene-d8	50.000	49.858	0.3	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	241.985	3.2	95	0.00
52	CM	Toluene	50.000	48.125	3.8#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	52.527	-5.1	103	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.090	-2.2	102	0.00
55	T	1,1,2-Trichloroethane	50.000	48.713	2.6	97	0.00
56	T	Ethyl methacrylate	50.000	48.587	2.8	94	0.00
57	T	1,3-Dichloropropane	50.000	48.821	2.4	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.323	1.1	100	0.00
59	T	2-Hexanone	250.000	240.921	3.6	92	0.00
60	T	Dibromochloromethane	50.000	51.215	-2.4	101	0.00
61	T	1,2-Dibromoethane	50.000	49.910	0.2	99	0.00
62	S	4-Bromofluorobenzene	50.000	56.400	-12.8	117	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	46.413	7.2	94	0.00
65	PM	Chlorobenzene	50.000	46.686	6.6	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.277	-0.6	100	0.00
67	C	Ethyl Benzene	50.000	48.428	3.1#	95	0.00
68	T	m/p-Xylenes	100.000	95.928	4.1	92	0.00
69	T	o-Xylene	50.000	48.147	3.7	93	0.00
70	T	Styrene	50.000	49.278	1.4	96	0.00
71	P	Bromoform	50.000	50.406	-0.8	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	54.466	-8.9	108	0.00
74	T	N-amyl acetate	50.000	48.246	3.5	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.369	-6.7	110	0.00
76	T	1,2,3-Trichloropropane	50.000	56.776	-13.6	113	0.00
77	T	Bromobenzene	50.000	56.251	-12.5	116	0.00
78	T	n-propylbenzene	50.000	54.130	-8.3	106	0.00
79	T	2-Chlorotoluene	50.000	49.249	1.5	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.639	0.7	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.613	-13.2	116	0.00
82	T	4-Chlorotoluene	50.000	47.662	4.7	97	0.00
83	T	tert-Butylbenzene	50.000	45.660	8.7	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.429	3.1	95	0.00
85	T	sec-Butylbenzene	50.000	46.005	8.0	90	0.00
86	T	p-Isopropyltoluene	50.000	47.470	5.1	92	0.00
87	T	1,3-Dichlorobenzene	50.000	47.190	5.6	100	0.00
88	T	1,4-Dichlorobenzene	50.000	46.453	7.1	99	0.00
89	T	n-Butylbenzene	50.000	44.596	10.8	88	0.00
90	T	Hexachloroethane	50.000	50.095	-0.2	99	0.00
91	T	1,2-Dichlorobenzene	50.000	48.080	3.8	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.700	2.6	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.100	9.8	93	0.00
94	T	Hexachlorobutadiene	50.000	41.627	16.7	83	0.00
95	T	Naphthalene	50.000	45.778	8.4	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
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Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 04 00:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.765	8.5	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	114	0.00
2	T	Dichlorodifluoromethane	0.510	0.440	13.7	93	0.00
3	P	Chloromethane	0.288	0.260	9.7	109	0.00
4	C	Vinyl Chloride	0.665	0.635	4.5#	109	0.00
5	T	Bromomethane	0.240	0.250	-4.2	118	0.00
6	T	Chloroethane	0.395	0.378	4.3	110	0.00
7	T	Trichlorofluoromethane	1.019	0.953	6.5	105	0.00
8	T	Diethyl Ether	0.368	0.381	-3.5	124	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.573	0.569	0.7	111	0.00
10	T	Methyl Iodide	2.304	1.840	20.1	96	0.00
11	T	Tert butyl alcohol	0.055	0.046	16.4	98	0.00
12	CM	1,1-Dichloroethene	0.582	0.593	-1.9#	117	0.00
13	T	Acrolein	0.115	0.117	-1.7	119	0.00
14	T	Allyl chloride	0.986	0.816	17.2	100	0.00
15	T	Acrylonitrile	0.251	0.207	17.5	96	0.00
16	T	Acetone	0.163	0.156	4.3	112	0.00
17	T	Carbon Disulfide	1.669	1.411	15.5	96	0.00
18	T	Methyl Acetate	0.545	0.458	16.0	106	0.00
19	T	Methyl tert-butyl Ether	1.864	1.651	11.4	107	0.00
20	T	Methylene Chloride	0.628	0.543	13.5	104	0.00
21	T	trans-1,2-Dichloroethene	0.618	0.522	15.5	98	0.00
22	T	Diisopropyl ether	2.017	1.767	12.4	102	-0.01
23	T	Vinyl Acetate	1.373	1.234	10.1	106	-0.01
24	P	1,1-Dichloroethane	1.145	0.990	13.5	102	0.00
25	T	2-Butanone	0.260	0.218	16.2	97	0.00
26	T	2,2-Dichloropropane	0.986	0.883	10.4	106	-0.01
27	T	cis-1,2-Dichloroethene	0.738	0.611	17.2	98	0.00
28	T	Bromochloromethane	0.519	0.550	-6.0	122	-0.02
29	T	Tetrahydrofuran	0.185	0.160	13.5	101	-0.01
30	C	Chloroform	1.178	1.091	7.4#	110	-0.01
31	T	Cyclohexane	0.994	0.888	10.7	100	-0.01
32	T	1,1,1-Trichloroethane	1.040	1.003	3.6	111	-0.01
33	S	1,2-Dichloroethane-d4	0.719	0.649	9.7	110	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.285	0.346	-21.4	124	-0.01
36	T	1,1-Dichloropropene	0.479	0.531	-10.9	107	-0.01
37	T	Ethyl Acetate	0.408	0.407	0.2	98	-0.01
38	T	Carbon Tetrachloride	0.553	0.609	-10.1	107	0.00
39	T	Methylcyclohexane	0.616	0.548	11.0	81	0.00
40	TM	Benzene	1.462	1.691	-15.7	113	-0.01
41	T	Methacrylonitrile	0.205	0.247	-20.5	113	-0.02
42	TM	1,2-Dichloroethane	0.515	0.594	-15.3	117	-0.01
43	T	Isopropyl Acetate	0.673	0.676	-0.4	99	-0.01
44	TM	Trichloroethene	0.383	0.366	4.4	94	0.00
45	C	1,2-Dichloropropane	0.365	0.354	3.0#	96	0.00
46	T	Dibromomethane	0.256	0.266	-3.9	104	0.00
47	T	Bromodichloromethane	0.543	0.581	-7.0	106	0.00
48	T	Methyl methacrylate	0.328	0.337	-2.7	99	0.00

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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.004	0.0	95	0.00
50	S	Toluene-d8	1.258	1.255	0.2	101	0.00
51	T	4-Methyl-2-Pentanone	0.375	0.363	3.2	95	0.00
52	CM	Toluene	0.914	0.880	3.7#	93	0.00
53	T	t-1,3-Dichloropropene	0.492	0.517	-5.1	103	0.00
54	T	cis-1,3-Dichloropropene	0.531	0.542	-2.1	102	0.00
55	T	1,1,2-Trichloroethane	0.331	0.322	2.7	97	0.00
56	T	Ethyl methacrylate	0.484	0.471	2.7	94	0.00
57	T	1,3-Dichloropropane	0.573	0.560	2.3	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.251	0.285	-13.5	100	0.00
59	T	2-Hexanone	0.244	0.235	3.7	92	0.00
60	T	Dibromochloromethane	0.409	0.419	-2.4	101	0.00
61	T	1,2-Dibromoethane	0.342	0.342	0.0	99	0.00
62	S	4-Bromofluorobenzene	0.471	0.531	-12.7	117	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.403	0.374	7.2	94	0.00
65	PM	Chlorobenzene	1.152	1.076	6.6	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.394	-0.5	100	0.00
67	C	Ethyl Benzene	1.940	1.879	3.1#	95	0.00
68	T	m/p-Xylenes	0.734	0.704	4.1	92	0.00
69	T	o-Xylene	0.702	0.676	3.7	93	0.00
70	T	Styrene	1.189	1.172	1.4	96	0.00
71	P	Bromoform	0.283	0.286	-1.1	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.698	4.029	-9.0	108	0.00
74	T	N-amyl acetate	1.319	1.273	3.5	95	0.00
75	P	1,1,2,2-Tetrachloroethane	0.937	1.000	-6.7	110	0.00
76	T	1,2,3-Trichloropropane	0.719	0.817	-13.6	113	0.00
77	T	Bromobenzene	0.914	1.028	-12.5	116	0.00
78	T	n-propylbenzene	4.371	4.732	-8.3	106	0.00
79	T	2-Chlorotoluene	2.624	2.585	1.5	100	0.00
80	T	1,3,5-Trimethylbenzene	3.032	3.010	0.7	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.208	0.235	-13.0	116	0.00
82	T	4-Chlorotoluene	3.085	2.941	4.7	97	0.00
83	T	tert-Butylbenzene	3.086	2.818	8.7	90	0.00
84	T	1,2,4-Trimethylbenzene	3.002	2.907	3.2	95	0.00
85	T	sec-Butylbenzene	3.846	3.538	8.0	90	0.00
86	T	p-Isopropyltoluene	3.251	3.087	5.0	92	0.00
87	T	1,3-Dichlorobenzene	1.745	1.647	5.6	100	0.00
88	T	1,4-Dichlorobenzene	1.777	1.651	7.1	99	0.00
89	T	n-Butylbenzene	3.052	2.723	10.8	88	0.00
90	T	Hexachloroethane	0.571	0.572	-0.2	99	0.00
91	T	1,2-Dichlorobenzene	1.617	1.555	3.8	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.183	0.179	2.2	98	0.00
93	T	1,2,4-Trichlorobenzene	1.116	1.006	9.9	93	0.00
94	T	Hexachlorobutadiene	0.468	0.390	16.7	83	0.00
95	T	Naphthalene	2.818	2.580	8.4	90	0.00

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Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.013	0.928	8.4	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q3422
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/22/2025 09:30
Lab File ID: VY023543.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	0.308		-14.44	20
Chloromethane	0.490	0.409	0.1	-16.53	20
Vinyl Chloride	0.639	0.552		-13.61	20
Bromomethane	0.536	0.456		-14.93	20
Chloroethane	0.435	0.403		-7.36	20
Trichlorofluoromethane	0.887	0.857		-3.38	20
1,1,2-Trichlorotrifluoroethane	0.460	0.469		1.96	20
1,1-Dichloroethene	0.446	0.456		2.24	20
Acetone	0.100	0.096		-4	20
Carbon Disulfide	1.277	1.206		-5.56	20
Methyl tert-butyl Ether	1.072	1.142		6.53	20
Methyl Acetate	0.261	0.294		12.64	20
Methylene Chloride	0.538	0.496		-7.81	20
trans-1,2-Dichloroethene	0.491	0.510		3.87	20
1,1-Dichloroethane	0.796	0.815	0.1	2.39	20
Cyclohexane	0.696	0.650		-6.61	20
2-Butanone	0.122	0.118		-3.28	20
Carbon Tetrachloride	0.493	0.522		5.88	20
cis-1,2-Dichloroethene	0.567	0.611		7.76	20
Bromochloromethane	0.297	0.257		-13.47	20
Chloroform	0.875	0.928		6.06	20
1,1,1-Trichloroethane	0.795	0.839		5.53	20
Methylcyclohexane	0.530	0.561		5.85	20
Benzene	1.288	1.371		6.44	20
1,2-Dichloroethane	0.332	0.340		2.41	20
Trichloroethene	0.377	0.411		9.02	20
1,2-Dichloropropane	0.285	0.303		6.32	20
Bromodichloromethane	0.453	0.487		7.51	20
4-Methyl-2-Pentanone	0.166	0.175		5.42	20
Toluene	0.836	0.926		10.77	20
t-1,3-Dichloropropene	0.394	0.433		9.9	20
cis-1,3-Dichloropropene	0.465	0.509		9.46	20
1,1,2-Trichloroethane	0.242	0.264		9.09	20
2-Hexanone	0.119	0.129		8.4	20
Dibromochloromethane	0.339	0.377		11.21	20
1,2-Dibromoethane	0.231	0.255		10.39	20
Tetrachloroethene	0.516	0.580		12.4	20
Chlorobenzene	1.087	1.168	0.3	7.45	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO02
Lab Code:	ACE	SDG No.:	Q3422
Instrument ID:	MSVOA_Y	Calibration Date/Time:	10/22/2025 09:30
Lab File ID:	VY023543.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	1.922		9.2	20
m/p-Xylenes	0.706	0.784		11.05	20
o-Xylene	0.662	0.739		11.63	20
Styrene	1.089	1.228		12.76	20
Bromoform	0.240	0.264	0.1	10	20
Isopropylbenzene	3.295	3.699		12.26	20
1,1,2,2-Tetrachloroethane	0.539	0.562	0.3	4.27	20
1,3-Dichlorobenzene	1.706	1.845		8.15	20
1,4-Dichlorobenzene	1.685	1.798		6.71	20
1,2-Dichlorobenzene	1.496	1.634		9.23	20
1,2-Dibromo-3-Chloropropane	0.088	0.092		4.55	20
1,2,4-Trichlorobenzene	0.932	1.020		9.44	20
1,2,3-Trichlorobenzene	0.808	0.876		8.42	20
1,2-Dichloroethane-d4	0.418	0.381		-8.85	20
Dibromofluoromethane	0.307	0.307		0	20
Toluene-d8	1.144	1.136		-0.7	20
4-Bromofluorobenzene	0.378	0.382		1.06	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_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 02:25:18 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 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	557873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	806690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	720008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	373234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	212794	45.615	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.220%			
35) Dibromofluoromethane	7.634	113	247459	49.924	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.840%			
50) Toluene-d8	10.109	98	916029	49.624	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.408	95	307868	50.517	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	172025	42.840	ug/l	99
3) Chloromethane	2.074	50	228434	41.760	ug/l	100
4) Vinyl Chloride	2.208	62	307788	43.199	ug/l	98
5) Bromomethane	2.598	94	254415	42.551	ug/l	99
6) Chloroethane	2.739	64	224891	46.306	ug/l	99
7) Trichlorofluoromethane	3.062	101	477889	48.307	ug/l	100
8) Diethyl Ether	3.458	74	129976	50.281	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	261411	50.922	ug/l	98
10) Methyl Iodide	4.007	142	341595	59.772	ug/l	99
11) Tert butyl alcohol	4.860	59	86872	250.315	ug/l	99
12) 1,1-Dichloroethene	3.793	96	254223	51.086	ug/l	98
13) Acrolein	3.653	56	38914	79.353	ug/l	99
14) Allyl chloride	4.385	41	291262	48.025	ug/l	97
15) Acrylonitrile	5.061	53	248616	251.312	ug/l	99
16) Acetone	3.873	43	266925	240.345	ug/l	99
17) Carbon Disulfide	4.110	76	672714	47.232	ug/l	100
18) Methyl Acetate	4.391	43	163801	56.225	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	636893	53.251	ug/l	96
20) Methylene Chloride	4.616	84	276483	46.039	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	284466	51.921	ug/l	98
22) Diisopropyl ether	6.025	45	677959	50.537	ug/l	98
23) Vinyl Acetate	5.964	43	1757567	242.046	ug/l	96
24) 1,1-Dichloroethane	5.921	63	454590	51.156	ug/l	98
25) 2-Butanone	6.896	43	328971	242.629	ug/l	100
26) 2,2-Dichloropropane	6.890	77	428536	52.555	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	340754	53.843	ug/l	96
28) Bromochloromethane	7.250	49	143454	43.243	ug/l	95
29) Tetrahydrofuran	7.268	42	185249	240.938	ug/l	94
30) Chloroform	7.427	83	517452	53.000	ug/l	99
31) Cyclohexane	7.707	56	362890	46.762	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	467952	52.741	ug/l	99
36) 1,1-Dichloropropene	7.841	75	344096	52.436	ug/l	99
37) Ethyl Acetate	6.994	43	127273	48.956	ug/l	97
38) Carbon Tetrachloride	7.823	117	421482	52.970	ug/l	99
39) Methylcyclohexane	9.109	83	452406	52.949	ug/l	97
40) Benzene	8.085	78	1105993	53.219	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 02:25:18 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 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	68071m	48.413	ug/l		
42) 1,2-Dichloroethane	8.158	62	274669	51.247	ug/l		98
43) Isopropyl Acetate	8.201	43	259676	50.092	ug/l		96
44) Trichloroethene	8.866	130	331676	54.528	ug/l		99
45) 1,2-Dichloropropane	9.140	63	244273	53.216	ug/l		98
46) Dibromomethane	9.231	93	157780	54.359	ug/l		98
47) Bromodichloromethane	9.426	83	392784	53.731	ug/l		100
48) Methyl methacrylate	9.219	41	125981	51.729	ug/l		95
49) 1,4-Dioxane	9.231	88	35080	1042.410	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	705865	263.542	ug/l		98
52) Toluene	10.170	92	747259	55.380	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	348965	54.901	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	410362	54.701	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	212638	54.478	ug/l		97
56) Ethyl methacrylate	10.438	69	260989	57.967	ug/l		94
57) 1,3-Dichloropropane	10.719	76	337668	54.594	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	574517	284.845	ug/l		98
59) 2-Hexanone	10.762	43	518755	271.019	ug/l		97
60) Dibromochloromethane	10.914	129	304516	55.647	ug/l		99
61) 1,2-Dibromoethane	11.018	107	205601	55.233	ug/l		100
64) Tetrachloroethene	10.646	164	417270	56.127	ug/l		97
65) Chlorobenzene	11.444	112	841259	53.721	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	302769	54.255	ug/l		99
67) Ethyl Benzene	11.517	91	1383613	54.584	ug/l		100
68) m/p-Xylenes	11.627	106	1128353	110.980	ug/l		99
69) o-Xylene	11.956	106	532269	55.814	ug/l		99
70) Styrene	11.969	104	884177	56.380	ug/l		99
71) Bromoform	12.133	173	190201	54.947	ug/l	#	98
73) Isopropylbenzene	12.255	105	1380580	56.129	ug/l		100
74) N-amyl acetate	12.072	43	226427	51.252	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	209645	52.112	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	165233m	50.178	ug/l		
77) Bromobenzene	12.529	156	355320	54.338	ug/l		99
78) n-propylbenzene	12.597	91	1597439	56.123	ug/l		99
79) 2-Chlorotoluene	12.682	91	910692	54.637	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1123341	56.518	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	74591	55.547	ug/l		95
82) 4-Chlorotoluene	12.779	91	937415	54.609	ug/l		99
83) tert-Butylbenzene	12.999	119	1037184	56.518	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1118689	56.397	ug/l		99
85) sec-Butylbenzene	13.176	105	1487514	56.506	ug/l		100
86) p-Isopropyltoluene	13.292	119	1282400	57.215	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	688741	54.089	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	671095	53.362	ug/l		99
89) n-Butylbenzene	13.615	91	1101186	56.385	ug/l		99
90) Hexachloroethane	13.877	117	255425	52.984	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	609689	54.613	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34265	51.910	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	380515	54.674	ug/l		100
94) Hexachlorobutadiene	15.023	225	233049	53.717	ug/l		100
95) Naphthalene	15.145	128	636726	57.452	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	326959	54.237	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 02:25:18 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 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

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

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

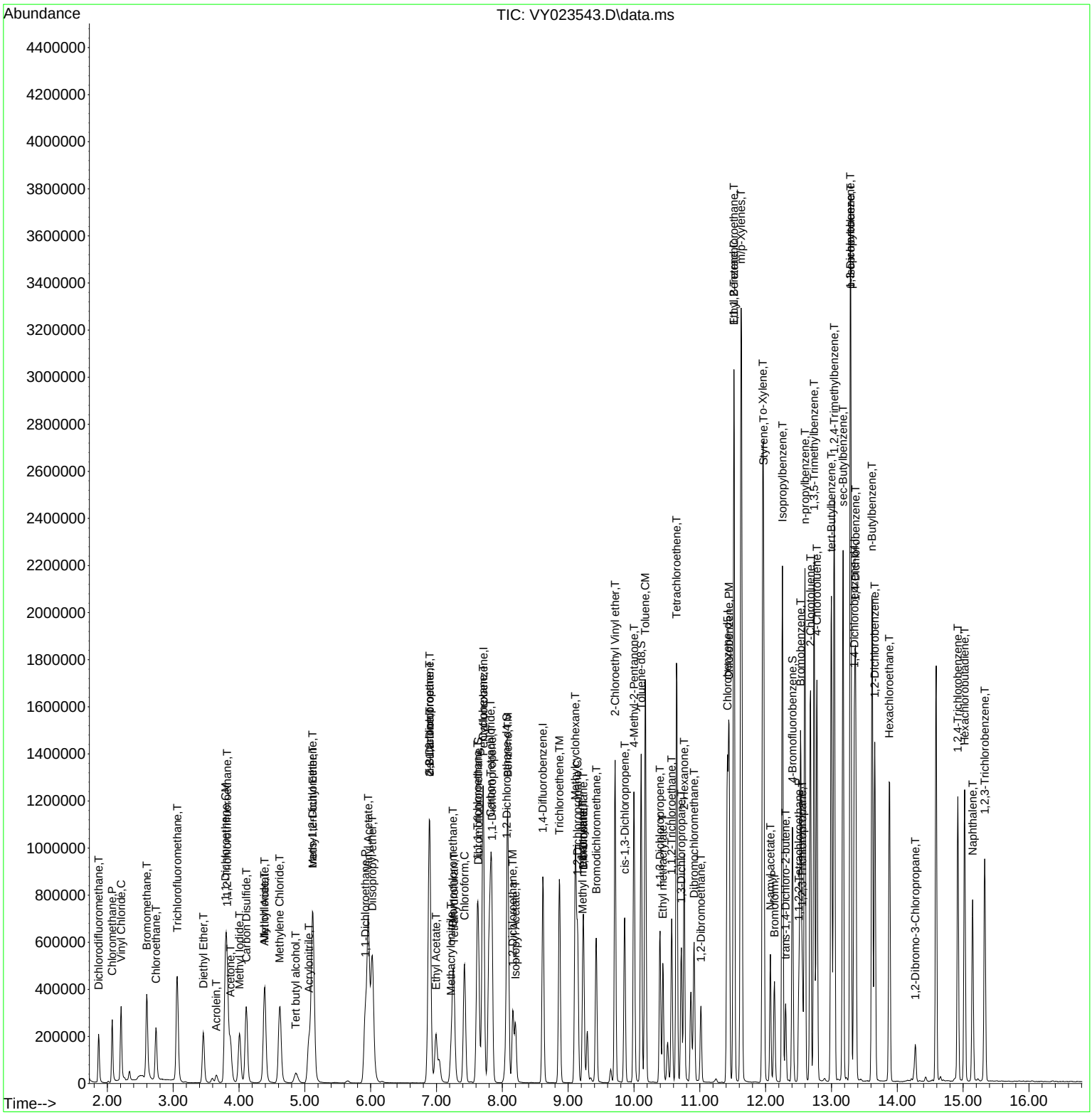
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

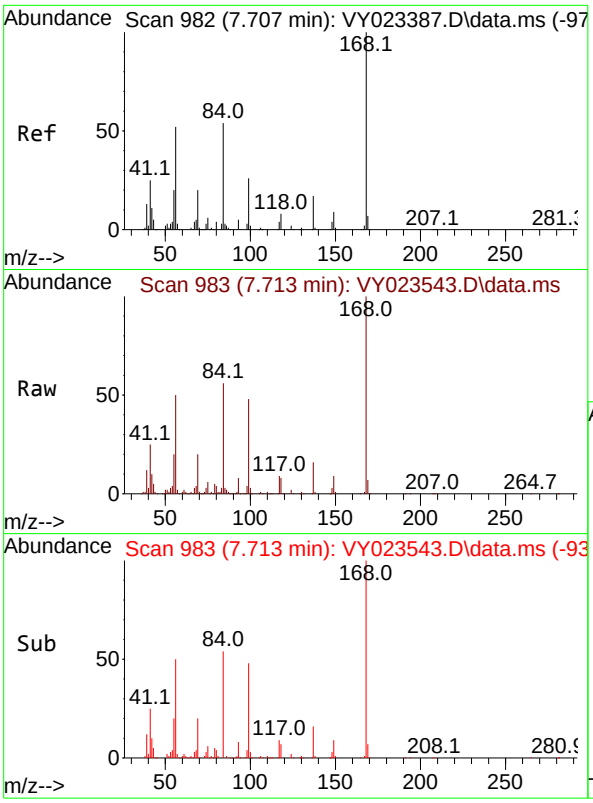
Quant Time: Oct 24 02:25:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

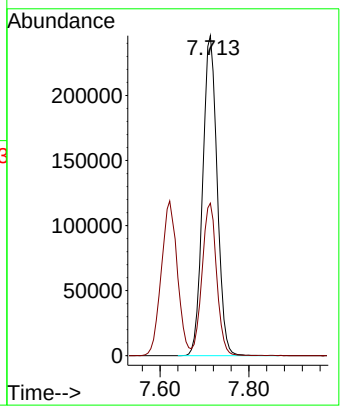




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:168 Resp: 55787

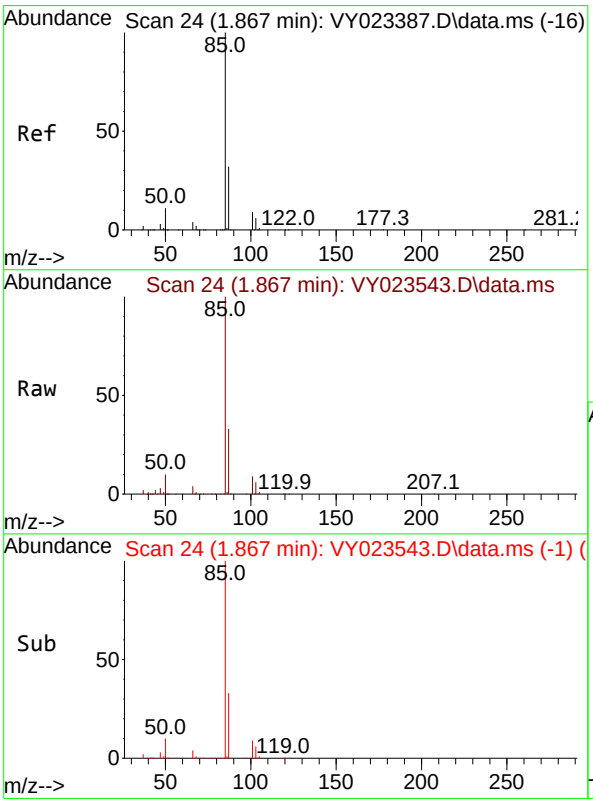
Ion	Ratio	Lower	Upper
168	100		
99	47.6	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

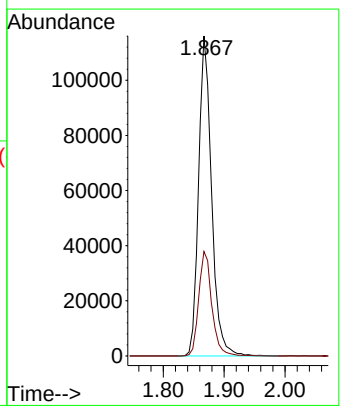
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

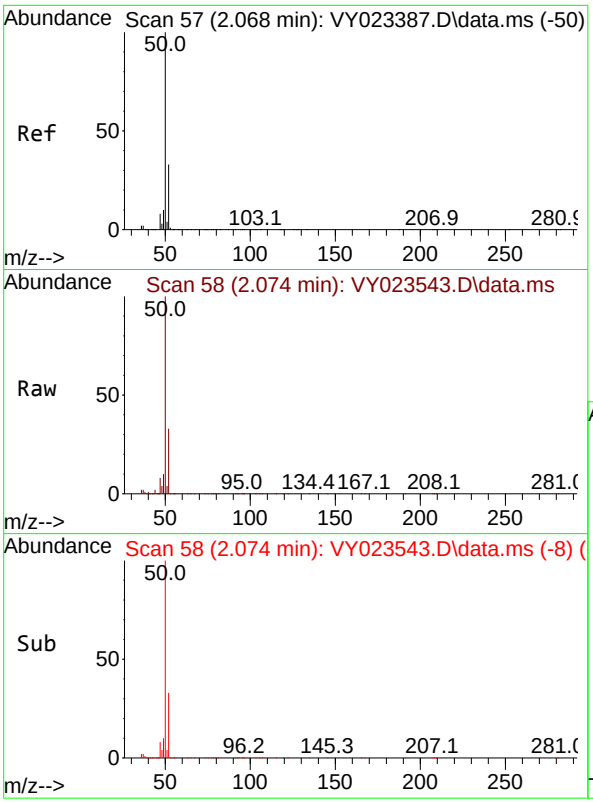


#2
Dichlorodifluoromethane
Concen: 42.840 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 85 Resp: 172025

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.0	47.9

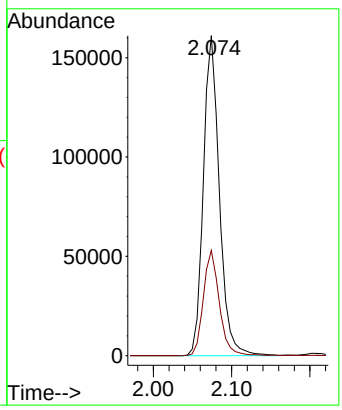




#3
Chloromethane
Concen: 41.760 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 50 Resp: 22843

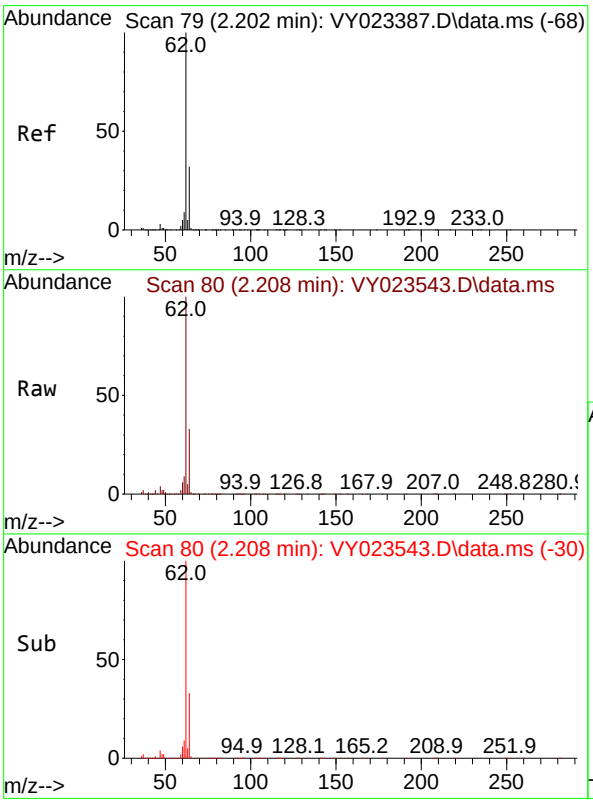
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

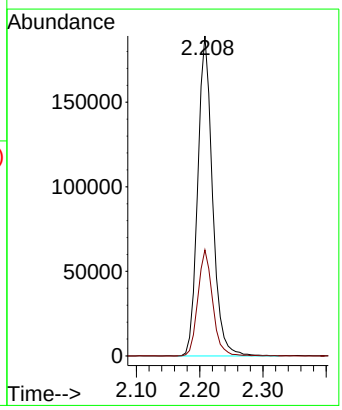
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

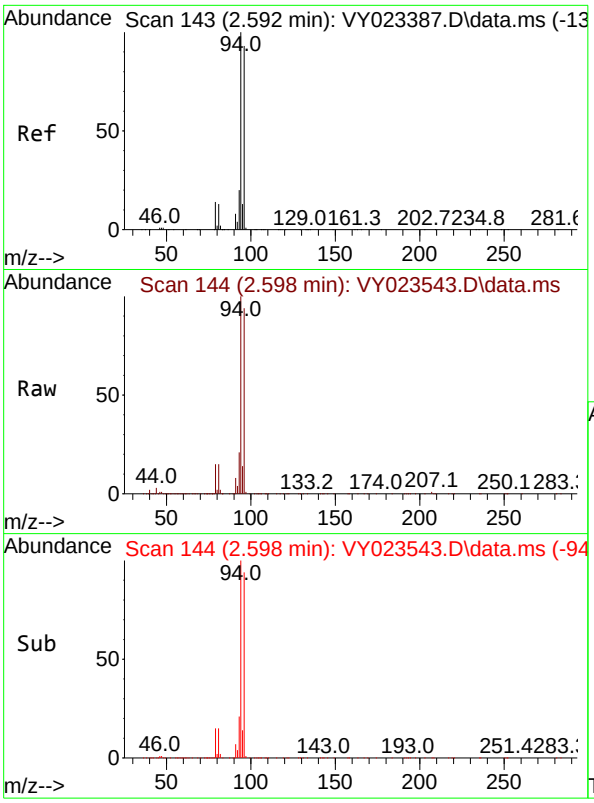


#4
Vinyl Chloride
Concen: 43.199 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 62 Resp: 307788

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.8	38.8

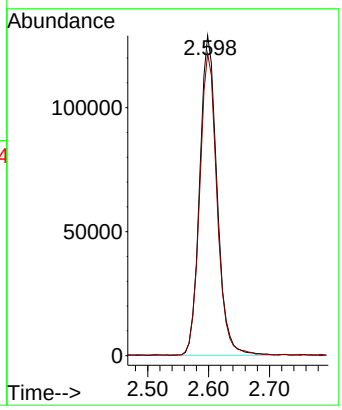




#5
Bromomethane
Concen: 42.551 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 94 Resp: 25441

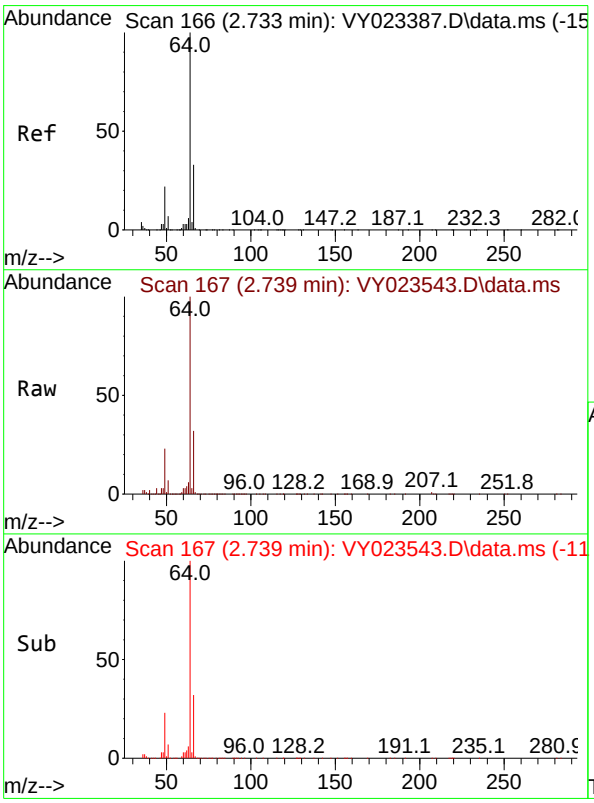
Ion	Ratio	Lower	Upper
94	100		
96	94.3	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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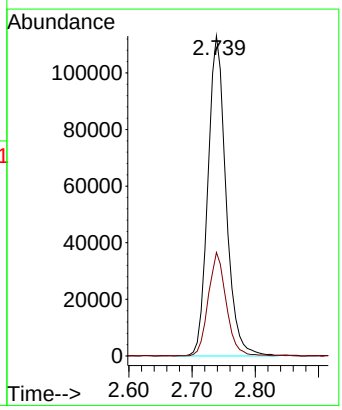
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

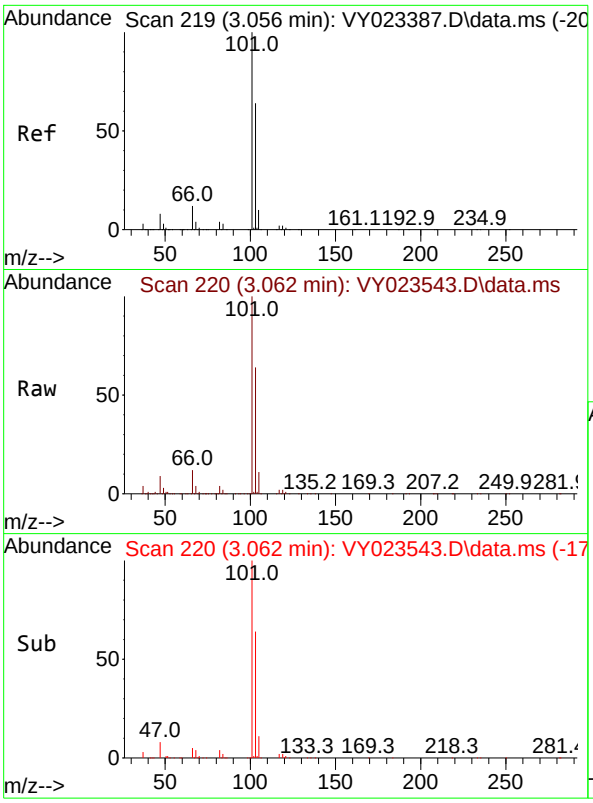


#6
Chloroethane
Concen: 46.306 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 64 Resp: 224891

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.2	39.4

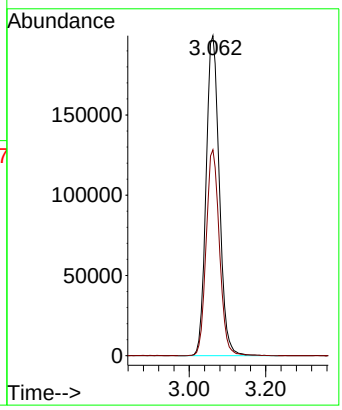




#7
Trichlorofluoromethane
Concen: 48.307 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:101 Resp: 47788

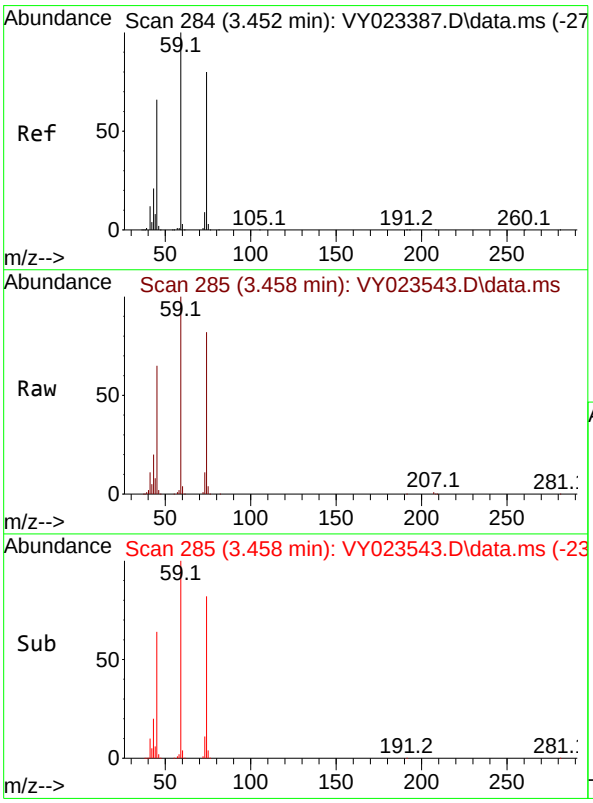
Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

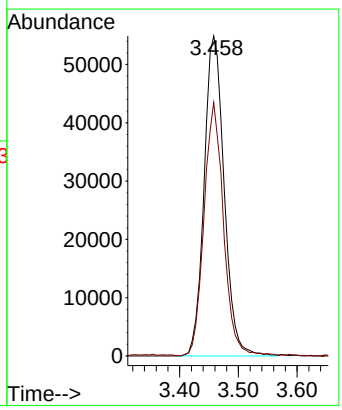
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

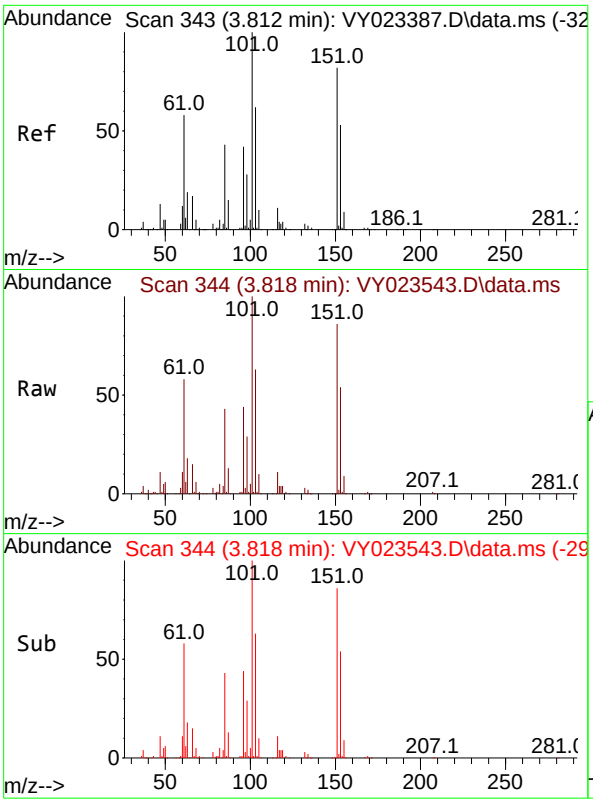


#8
Diethyl Ether
Concen: 50.281 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 74 Resp: 129976

Ion	Ratio	Lower	Upper
74	100		
45	76.8	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.922 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

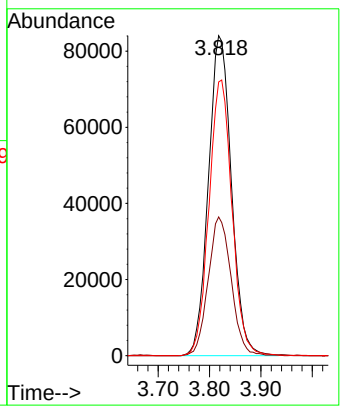
Tgt Ion:101 Resp: 26141

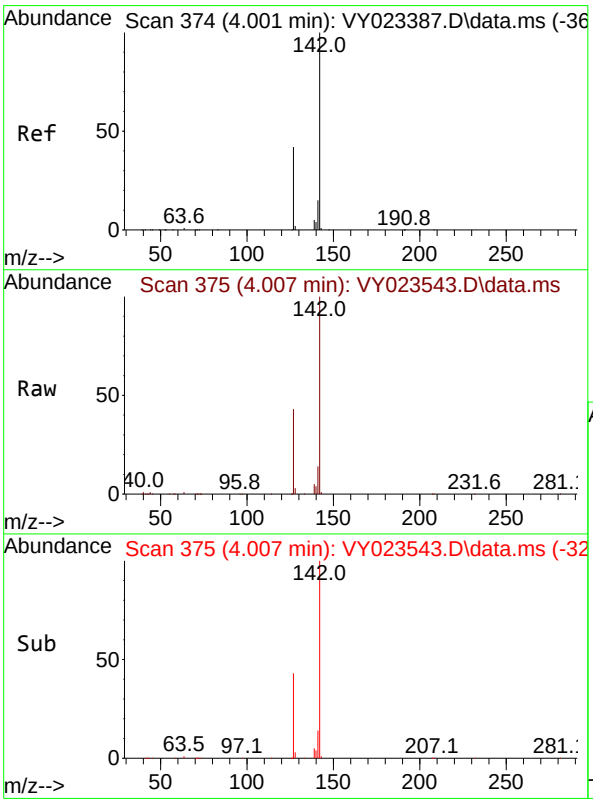
Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.6	51.8
151	86.3	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

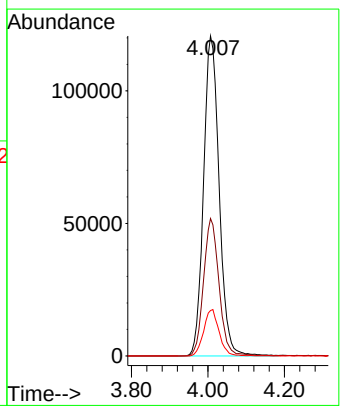


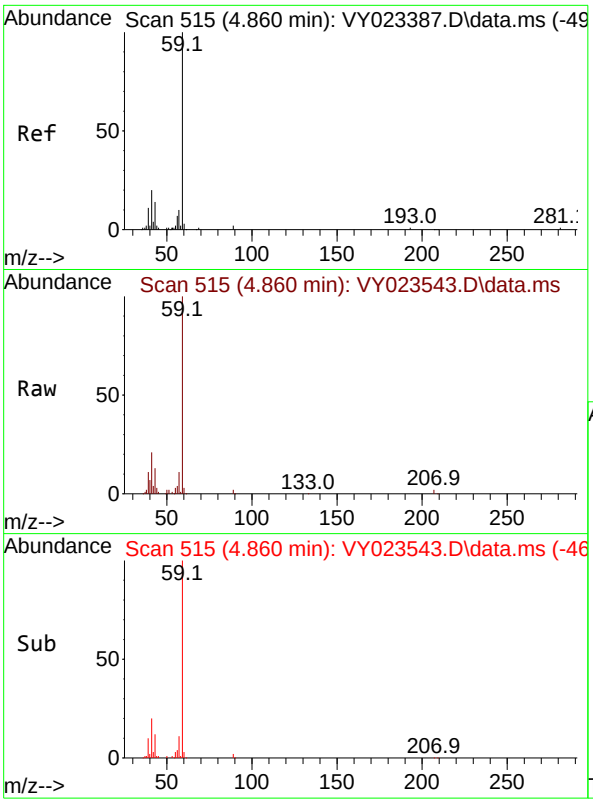


#10
Methyl Iodide
Concen: 59.772 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:142 Resp: 341595

Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.8	52.2
141	14.3	11.6	17.4

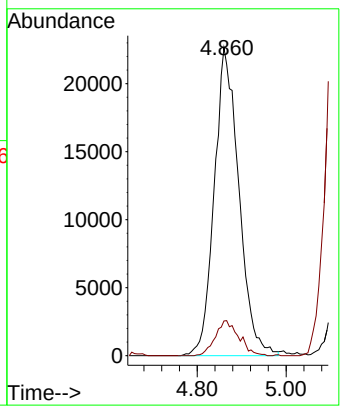




#11
Tert butyl alcohol
Concen: 250.315 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 59 Resp: 8687

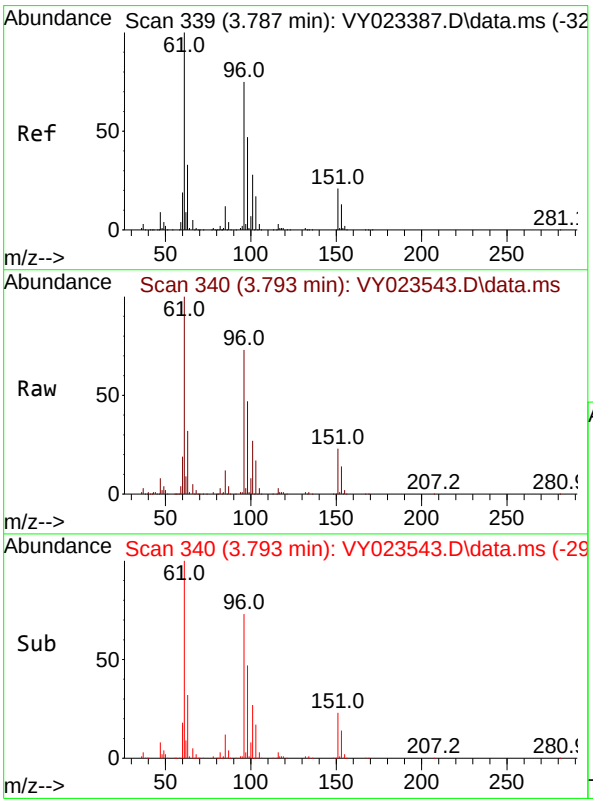
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

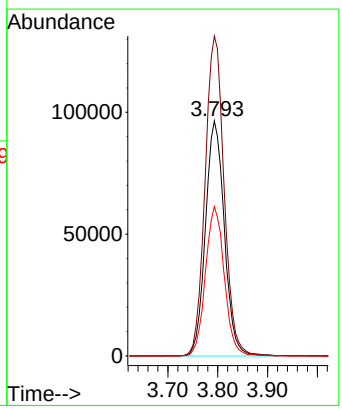
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

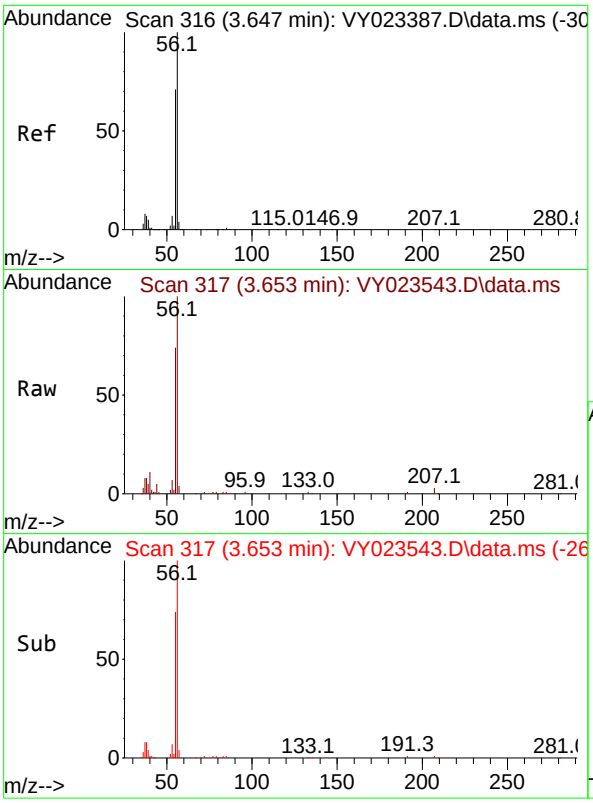


#12
1,1-Dichloroethene
Concen: 51.086 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 96 Resp: 254223

Ion	Ratio	Lower	Upper
96	100		
61	136.2	106.7	160.1
98	63.6	50.2	75.4

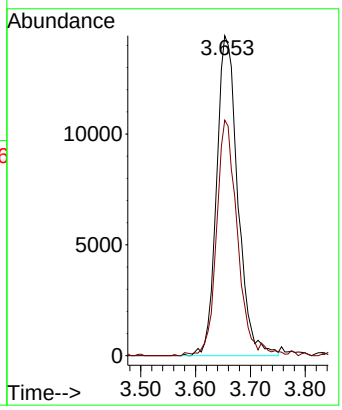




#13
Acrolein
Concen: 79.353 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 56 Resp: 3891

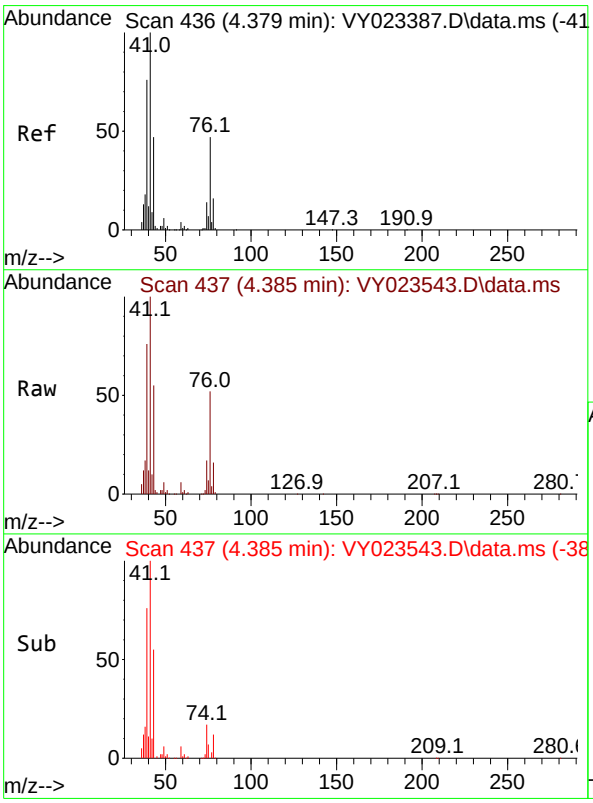
Ion	Ratio	Lower	Upper
56	100		
55	68.9	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

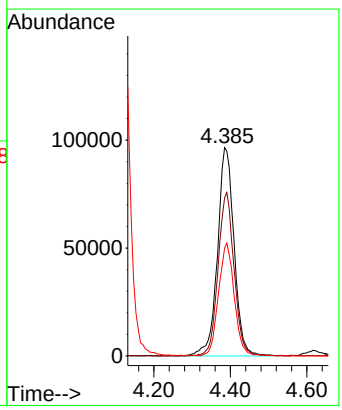
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

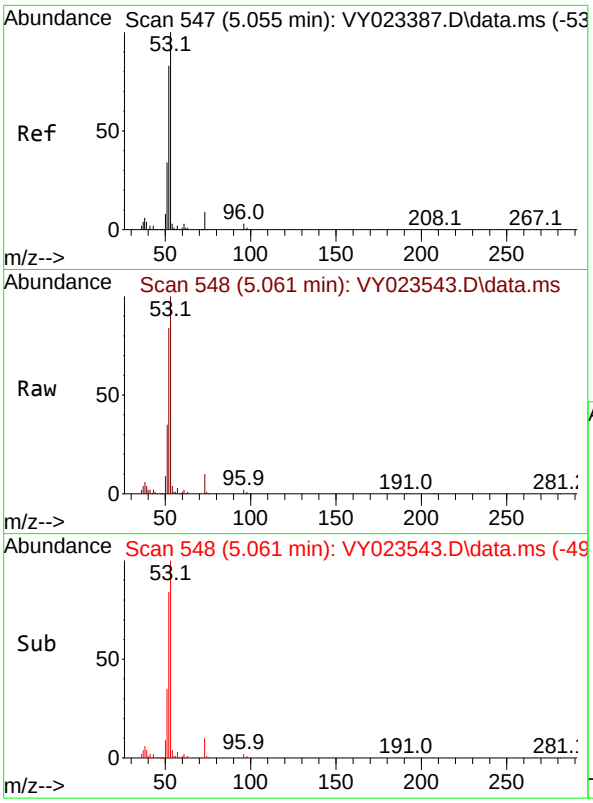


#14
Allyl chloride
Concen: 48.025 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 41 Resp: 291262

Ion	Ratio	Lower	Upper
41	100		
39	76.0	59.9	89.9
76	51.3	38.0	57.0

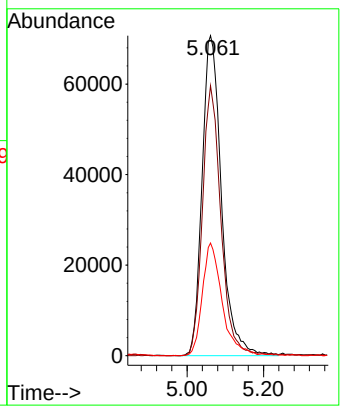




#15
Acrylonitrile
Concen: 251.312 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 53 Resp: 24861

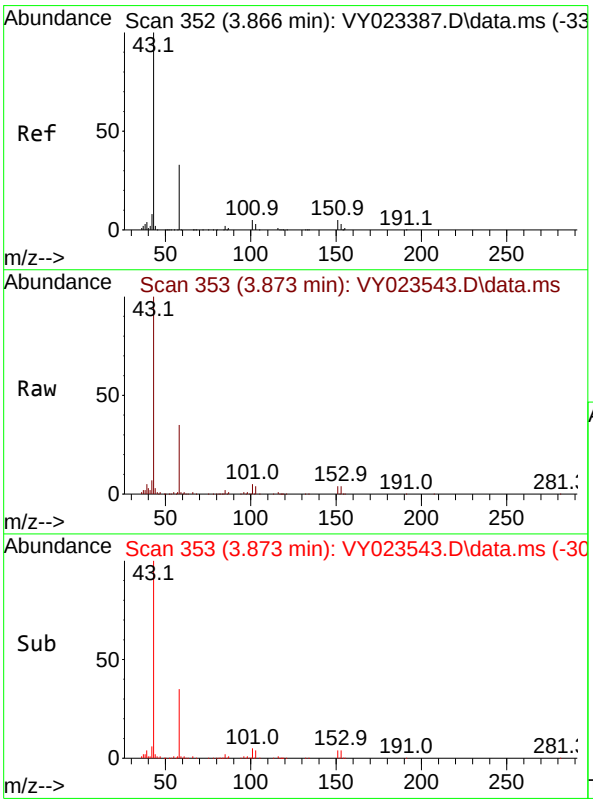
Ion	Ratio	Lower	Upper
53	100		
52	80.3	64.6	97.0
51	35.8	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

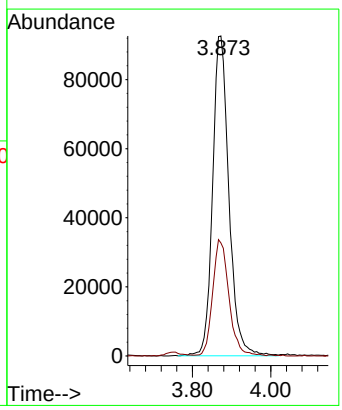
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

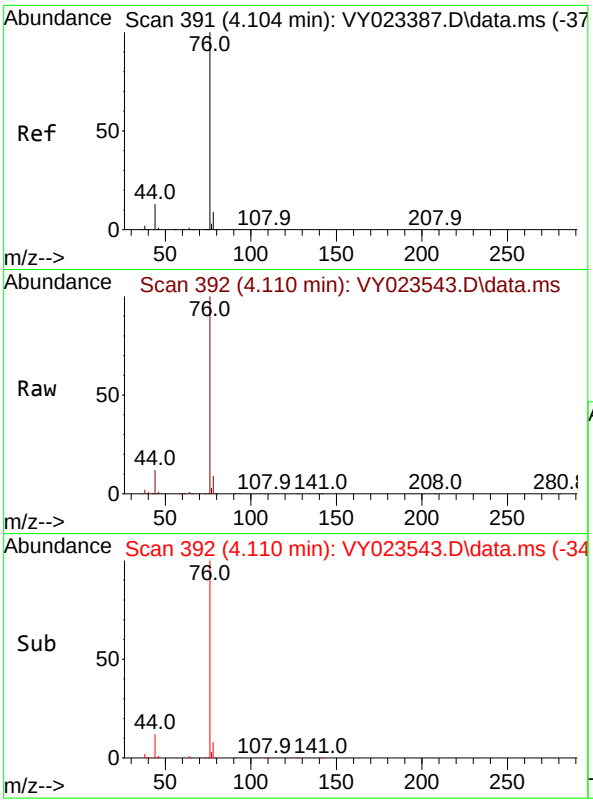


#16
Acetone
Concen: 240.345 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 43 Resp: 266925

Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.7	41.5

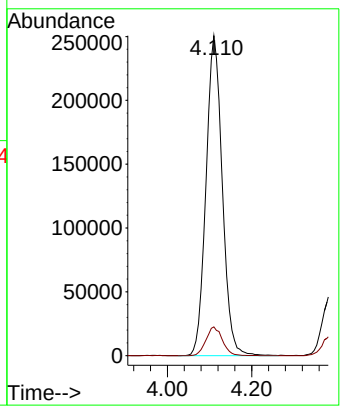




#17
Carbon Disulfide
Concen: 47.232 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 76 Resp: 67271

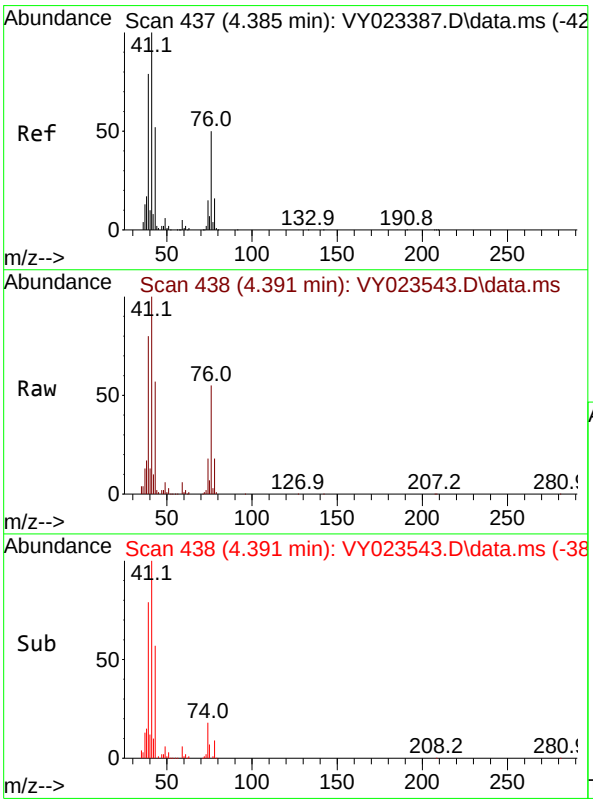
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

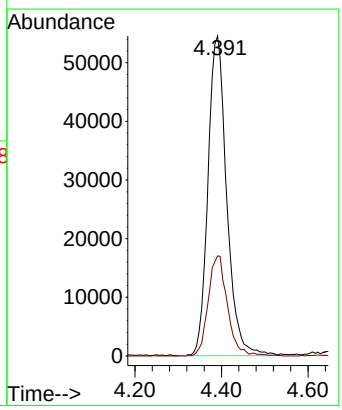
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

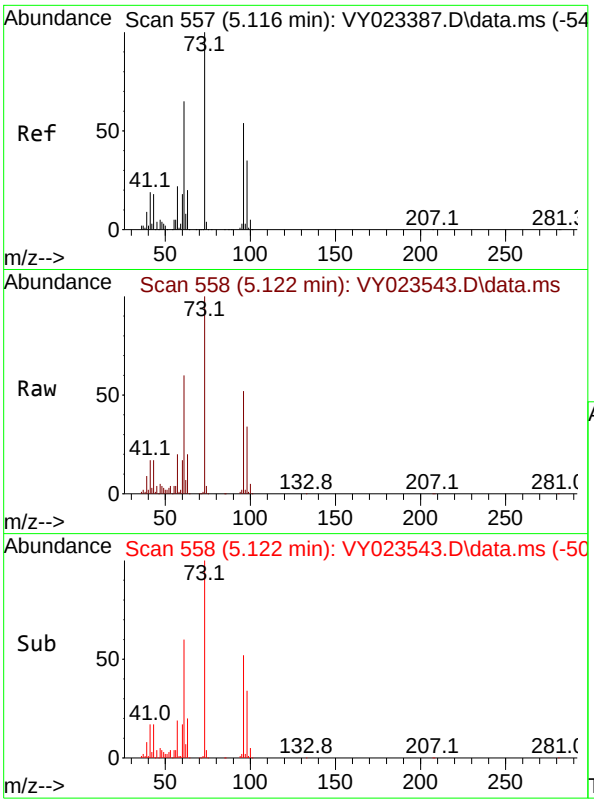


#18
Methyl Acetate
Concen: 56.225 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 43 Resp: 163801

Ion	Ratio	Lower	Upper
43	100		
74	32.2	24.2	36.4

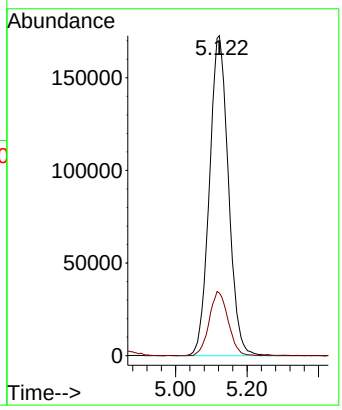




#19
Methyl tert-butyl Ether
Concen: 53.251 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 73 Resp: 63689

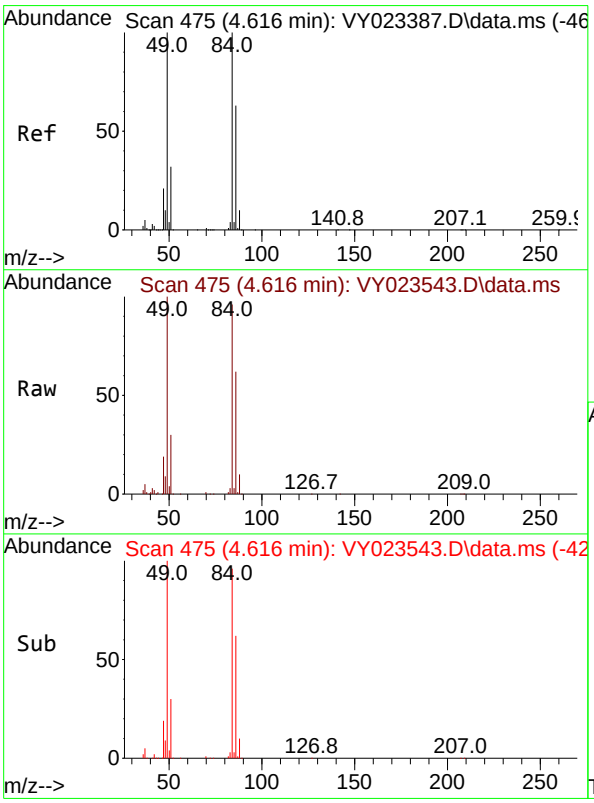
Ion	Ratio	Lower	Upper
73	100		
57	19.6	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

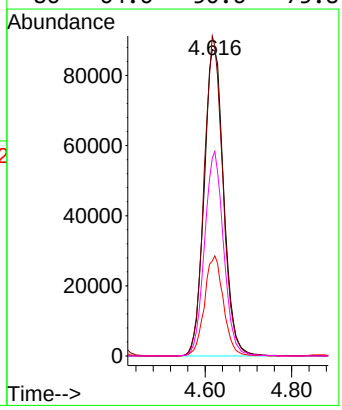
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

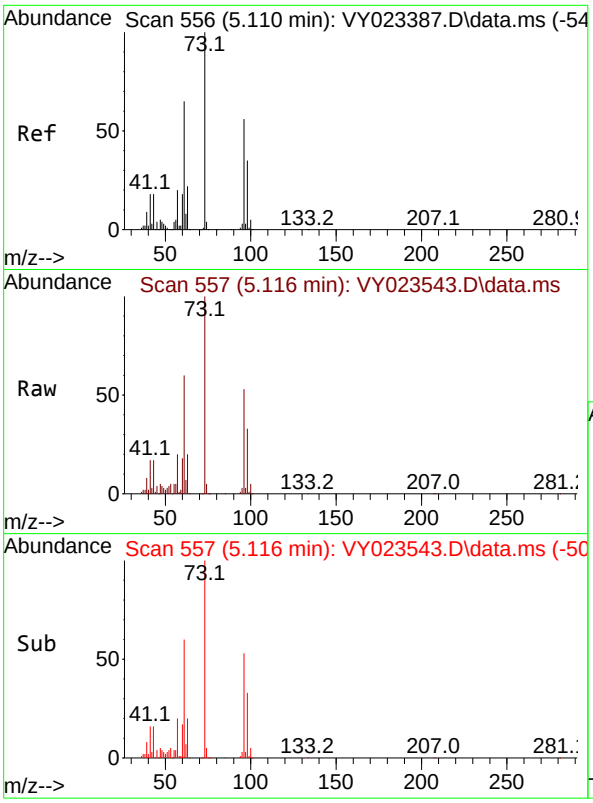


#20
Methylene Chloride
Concen: 46.039 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 84 Resp: 276483

Ion	Ratio	Lower	Upper
84	100		
49	104.4	80.2	120.4
51	31.1	25.9	38.9
86	64.6	50.6	75.8

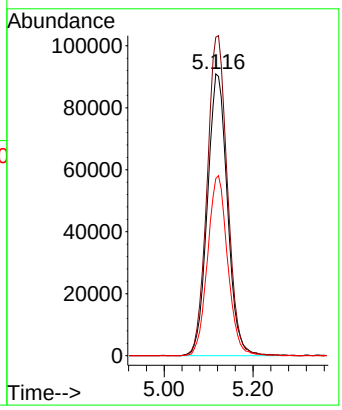




#21
trans-1,2-Dichloroethene
Concen: 51.921 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 96 Resp: 28446

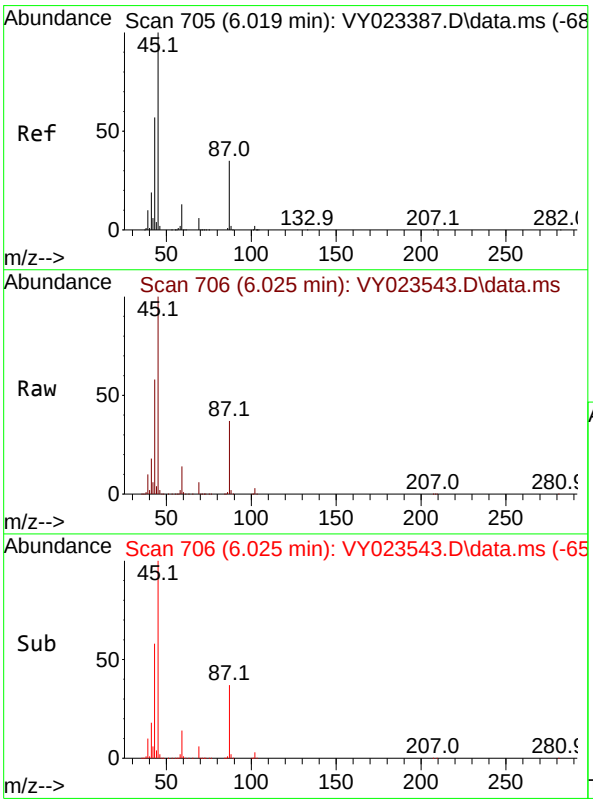
Ion	Ratio	Lower	Upper
96	100		
61	113.0	92.7	139.1
98	62.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

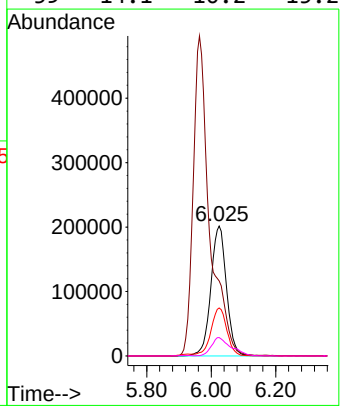
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

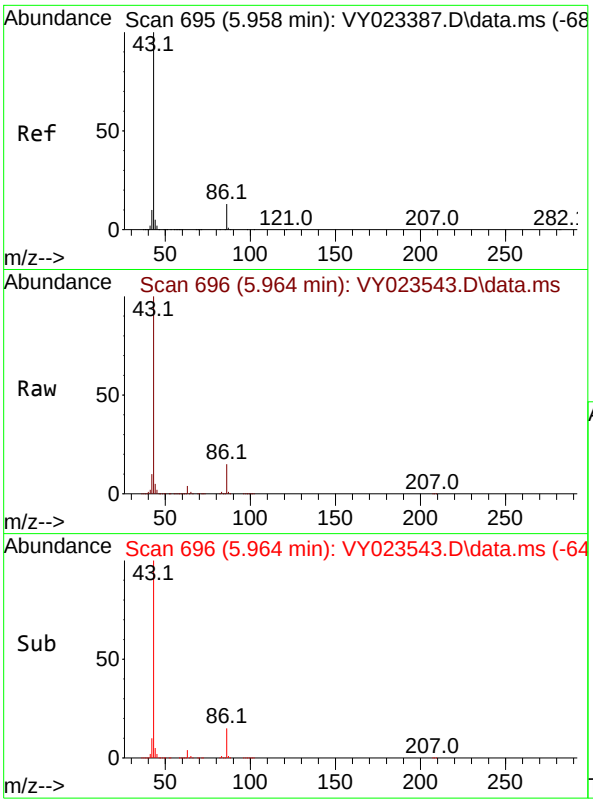


#22
Diisopropyl ether
Concen: 50.537 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 45 Resp: 677959

Ion	Ratio	Lower	Upper
45	100		
43	57.6	45.6	68.4
87	37.0	28.1	42.1
59	14.1	10.2	15.2

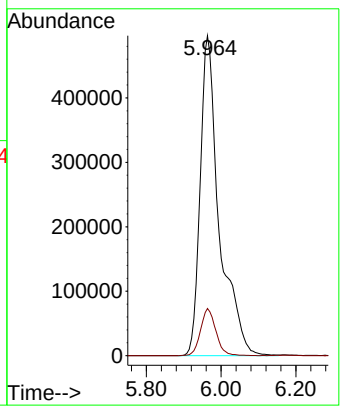




#23
Vinyl Acetate
Concen: 242.046 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 43 Resp: 175756

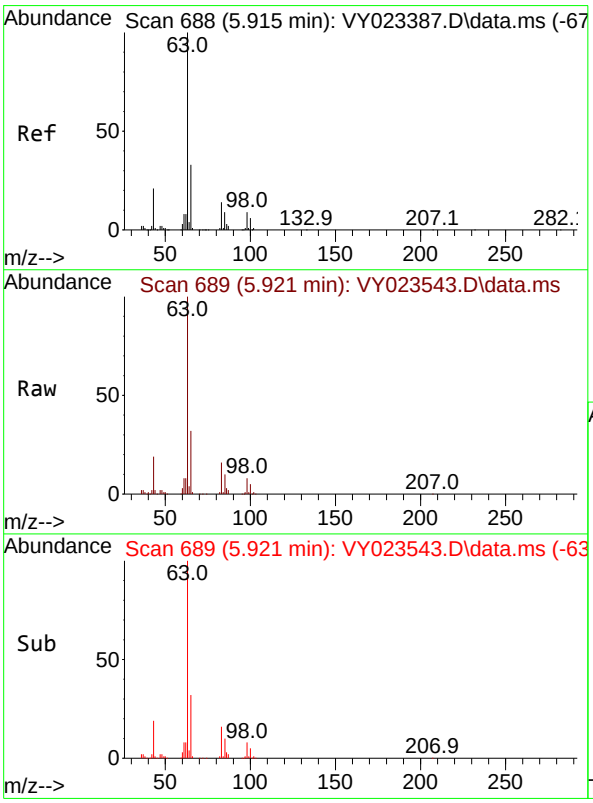
Ion	Ratio	Lower	Upper
43	100		
86	14.7	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

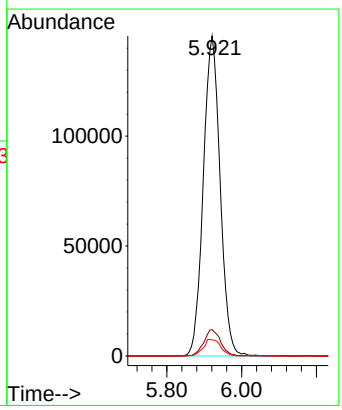
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

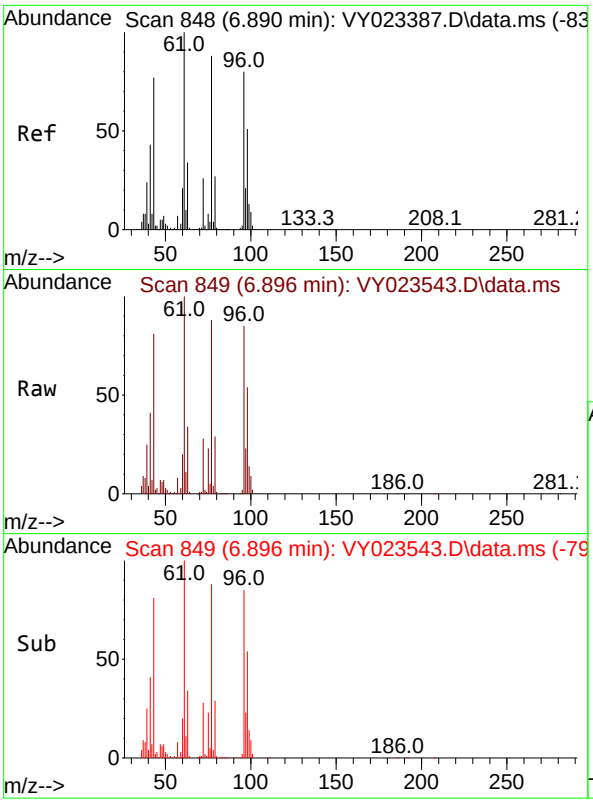


#24
1,1-Dichloroethane
Concen: 51.156 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 63 Resp: 454590

Ion	Ratio	Lower	Upper
63	100		
98	8.2	4.3	13.1
100	5.0	2.8	8.4





#25
2-Butanone
Concen: 242.629 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

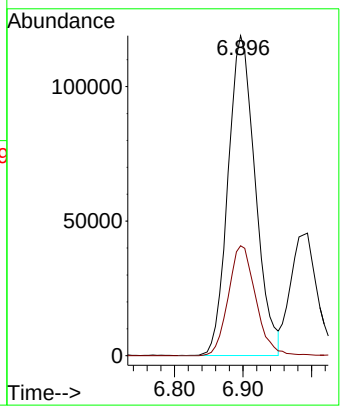
Tgt Ion: 43 Resp: 32897

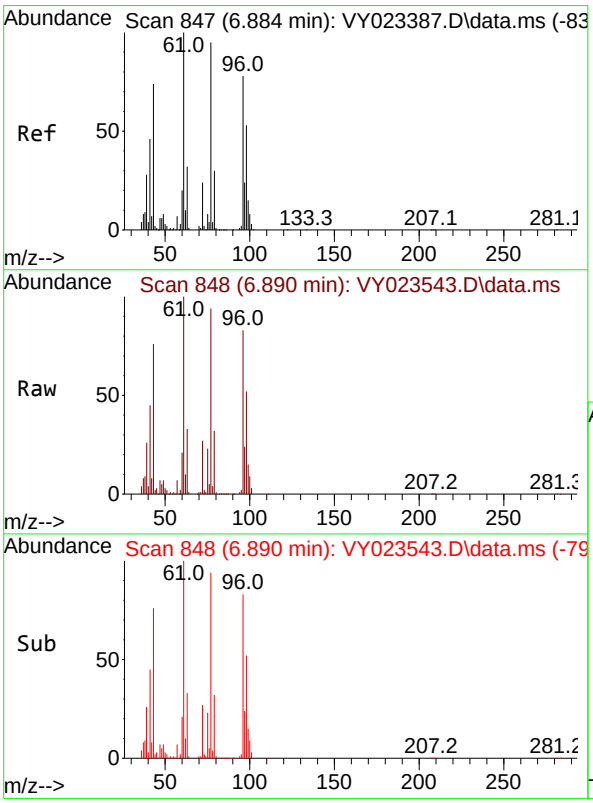
Ion	Ratio	Lower	Upper
43	100		
72	34.4	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

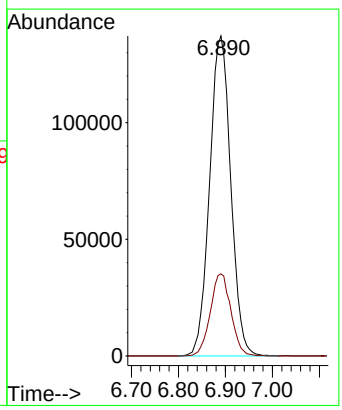


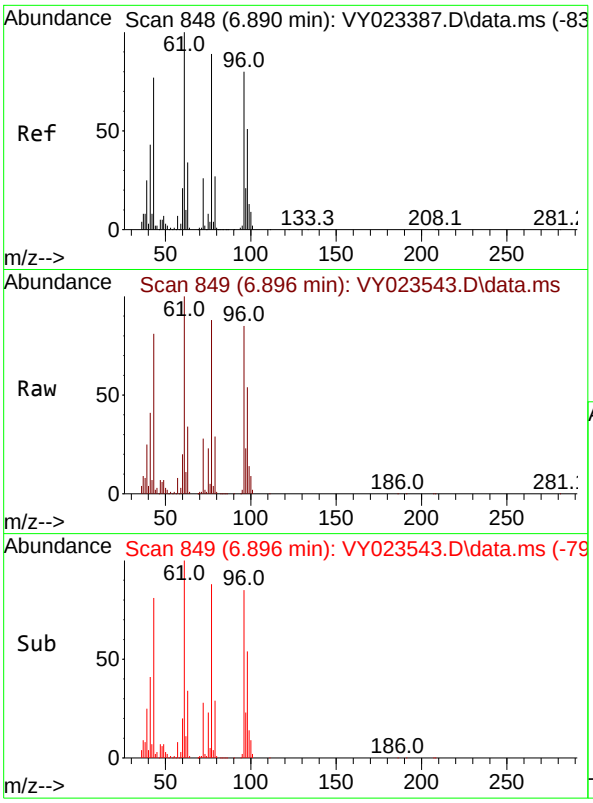


#26
2,2-Dichloropropane
Concen: 52.555 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 77 Resp: 428536

Ion	Ratio	Lower	Upper
77	100		
97	25.0	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 53.843 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

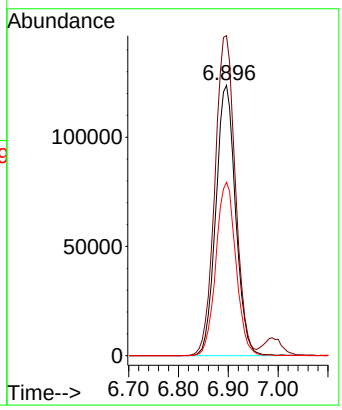
Tgt Ion: 96 Resp: 34075

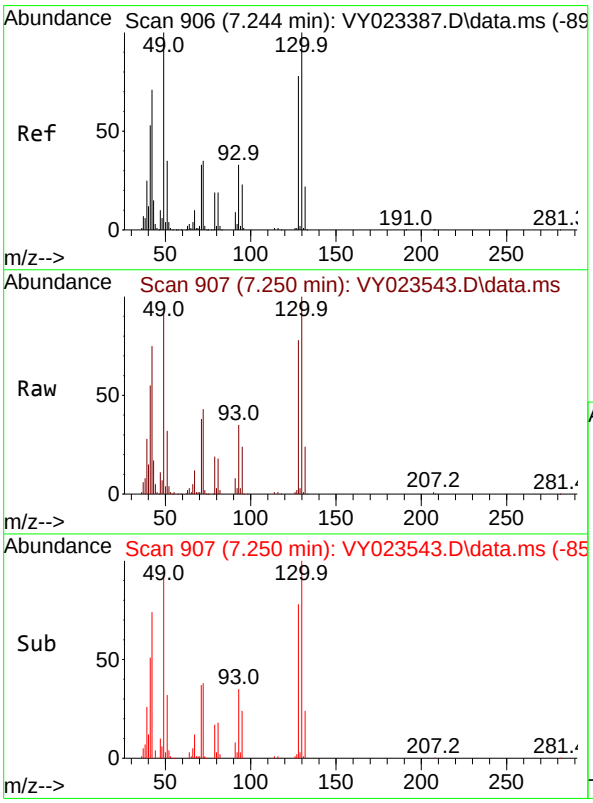
Ion	Ratio	Lower	Upper
96	100		
61	122.7	0.0	258.2
98	65.1	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

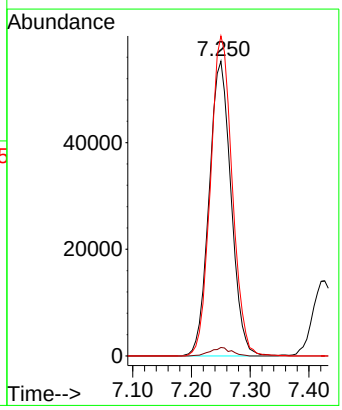


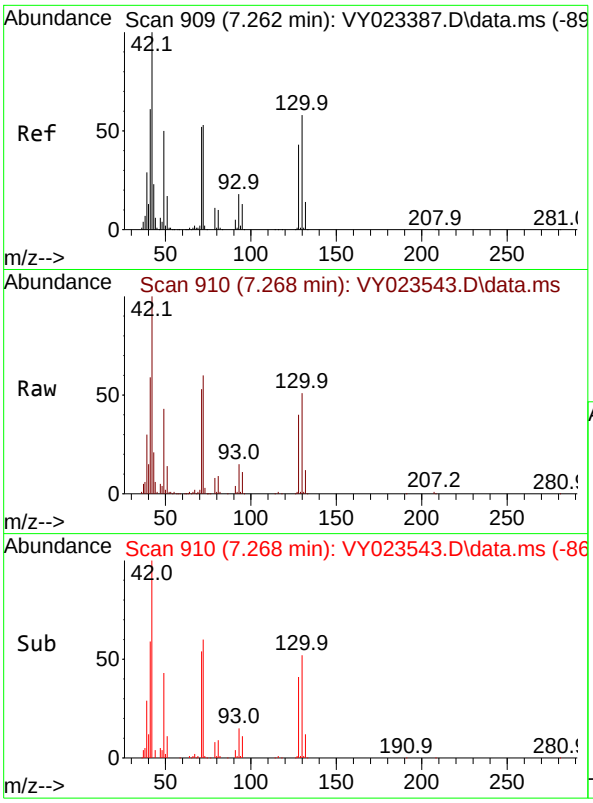


#28
Bromochloromethane
Concen: 43.243 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 49 Resp: 143454

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	107.8	81.9	122.9

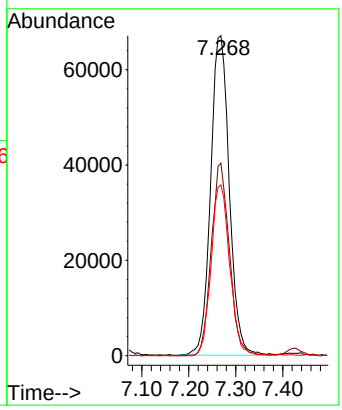




#29
Tetrahydrofuran
Concen: 240.938 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 42 Resp: 18524

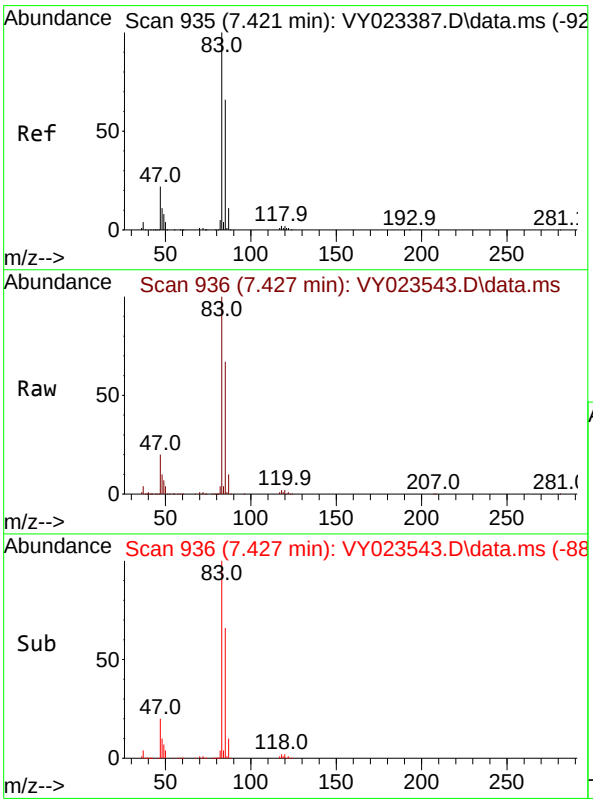
Ion	Ratio	Lower	Upper
42	100		
72	58.5	43.0	64.6
71	53.4	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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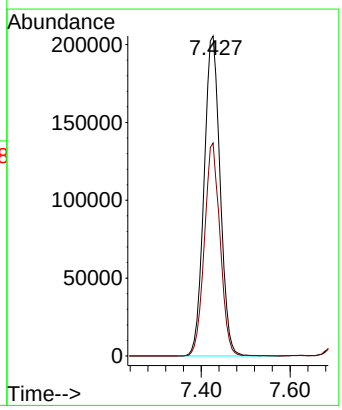
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

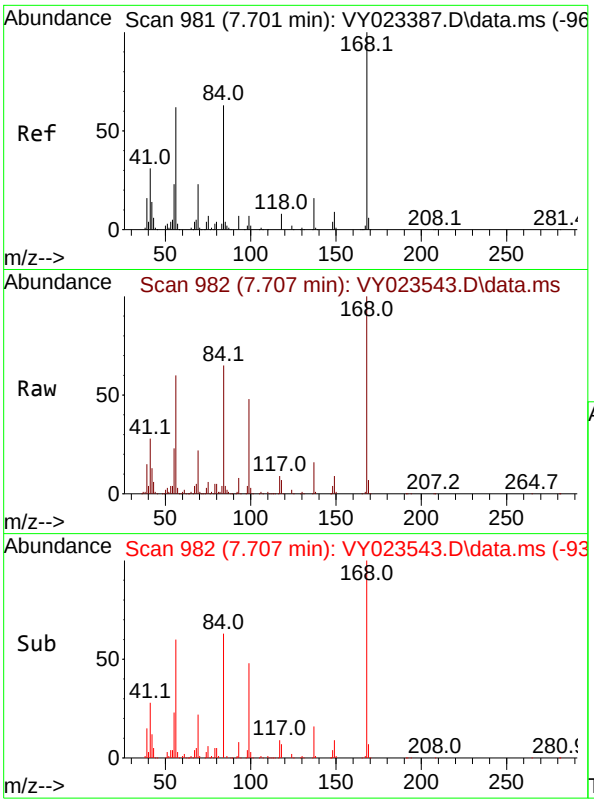


#30
Chloroform
Concen: 53.000 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 83 Resp: 517452

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.5	78.7

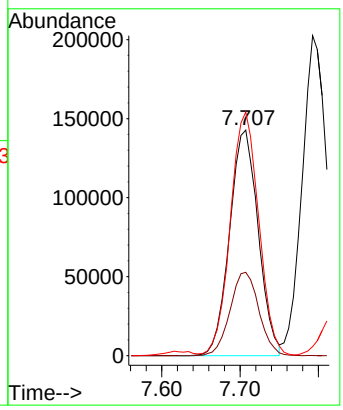




#31
Cyclohexane
Concen: 46.762 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 56 Resp: 36289

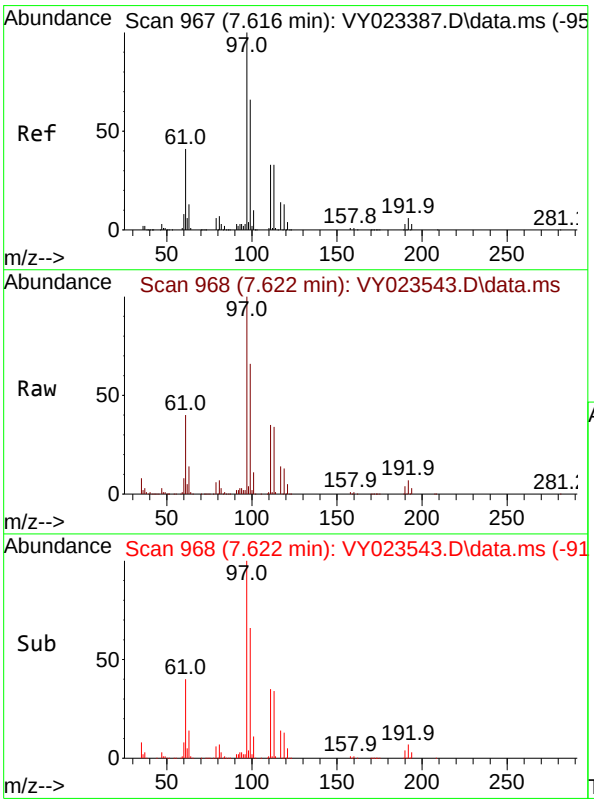
Ion	Ratio	Lower	Upper
56	100		
69	37.0	30.0	45.0
84	106.3	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

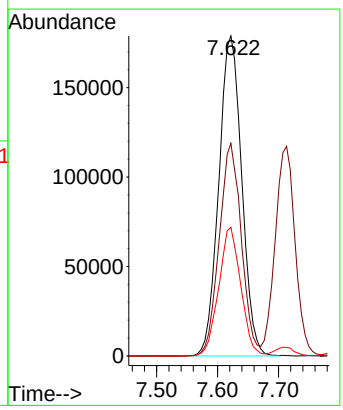
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

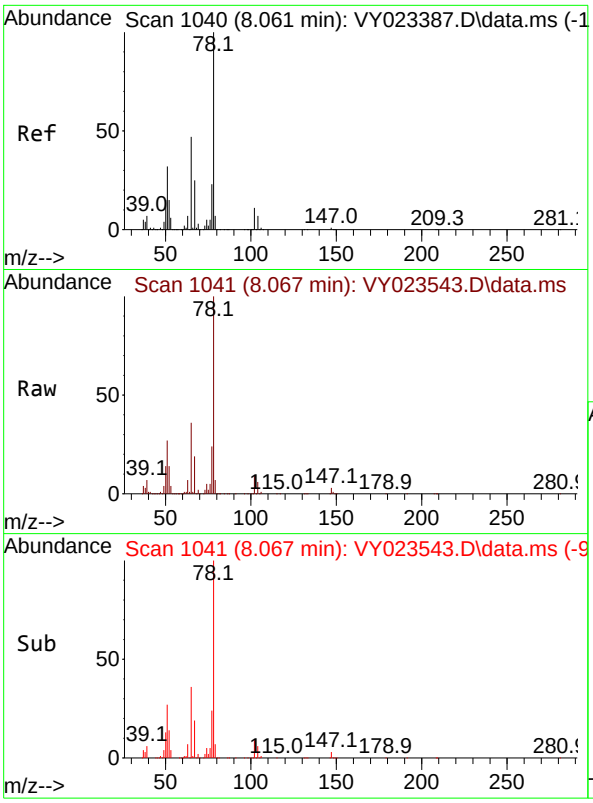


#32
1,1,1-Trichloroethane
Concen: 52.741 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 97 Resp: 467952

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	38.7	31.9	47.9

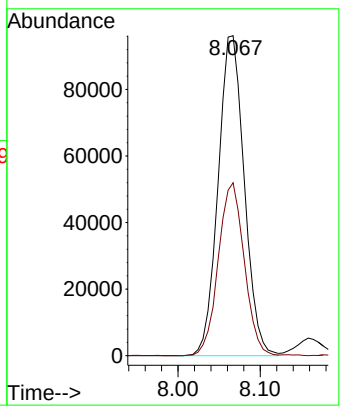




#33
1,2-Dichloroethane-d4
Concen: 45.615 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 65 Resp: 21279

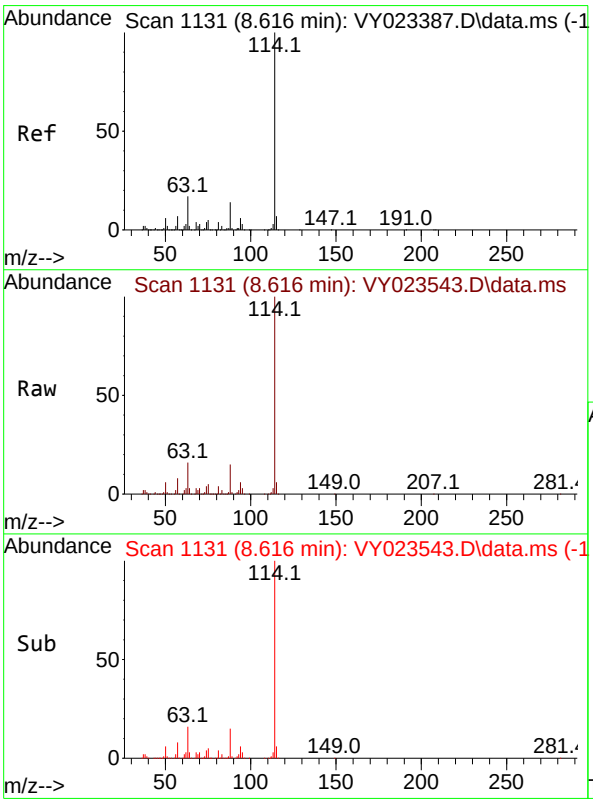
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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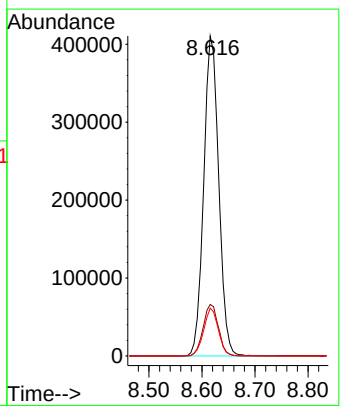
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

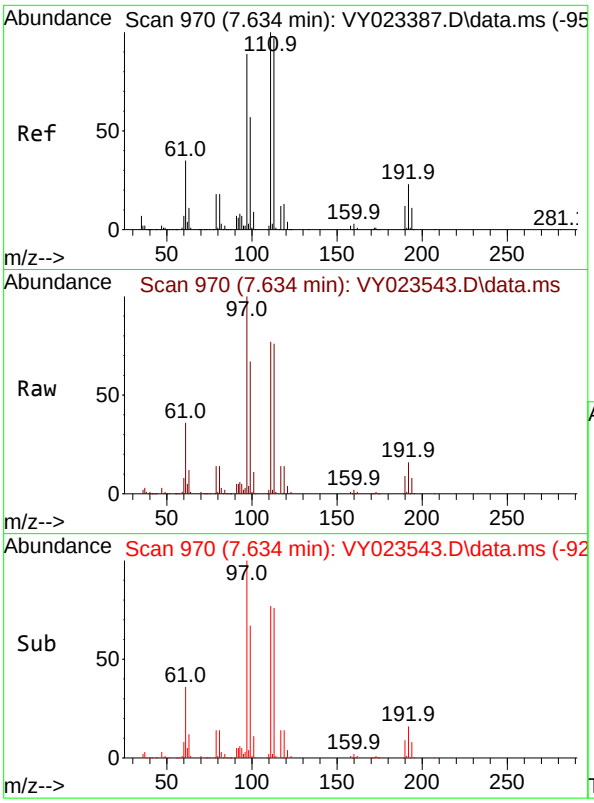


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:114 Resp: 806690

Ion	Ratio	Lower	Upper
114	100		
63	16.1	0.0	34.2
88	15.0	0.0	28.4

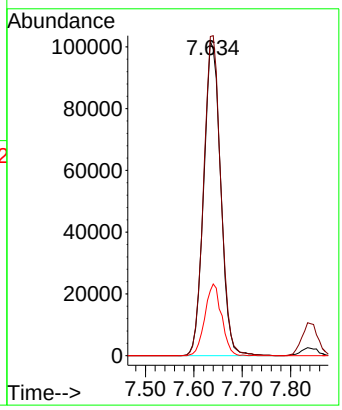




#35
Dibromofluoromethane
Concen: 49.924 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:113 Resp: 24745

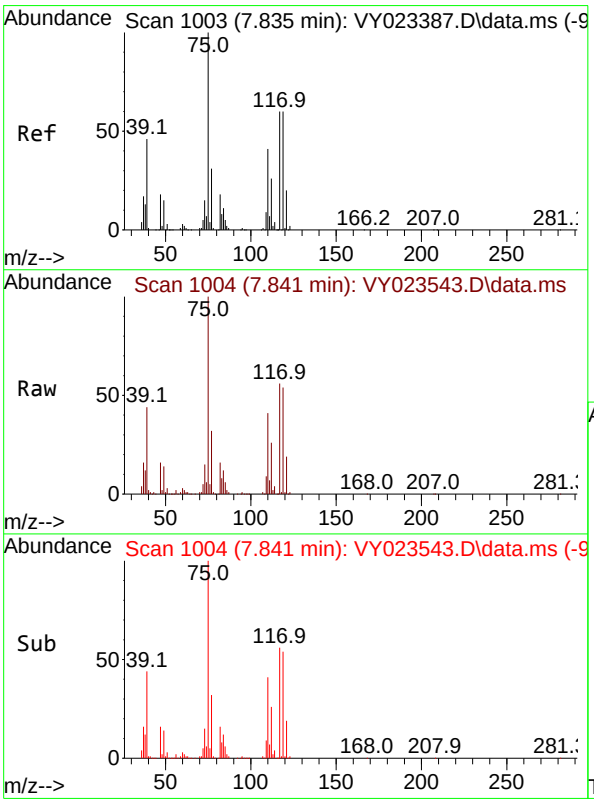
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	22.6	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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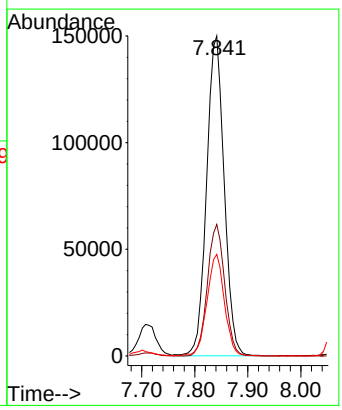
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

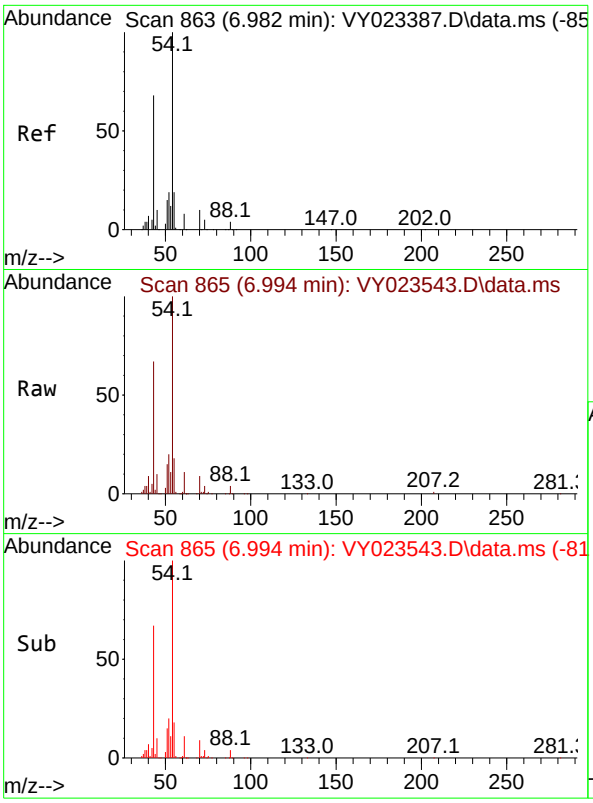


#36
1,1-Dichloropropene
Concen: 52.436 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 75 Resp: 344096

Ion	Ratio	Lower	Upper
75	100		
110	40.7	19.9	59.7
77	31.7	25.0	37.6





#37
Ethyl Acetate
Concen: 48.956 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

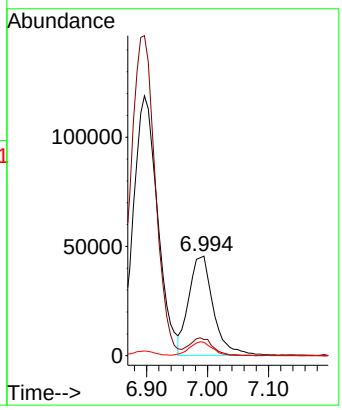
Tgt Ion: 43 Resp: 12727

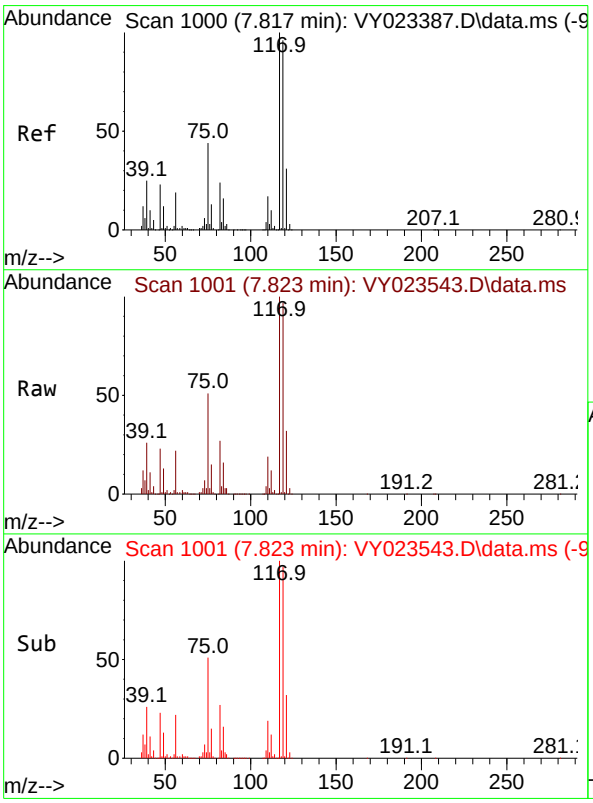
Ion	Ratio	Lower	Upper
43	100		
61	17.2	11.8	17.8
70	13.2	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

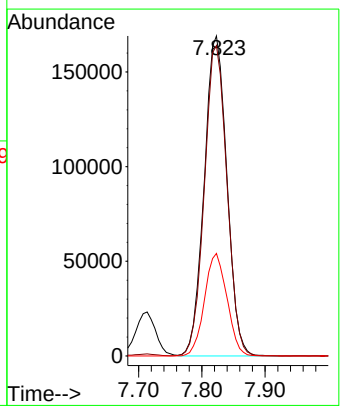


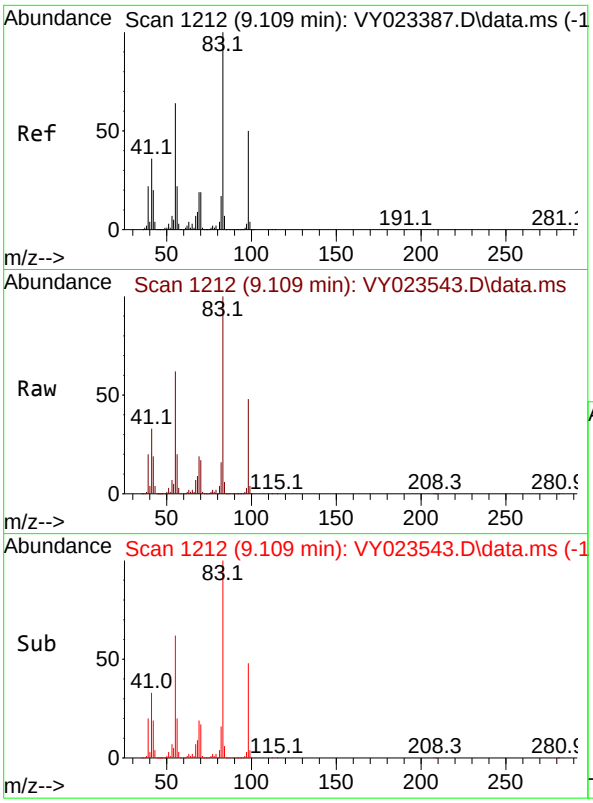


#38
Carbon Tetrachloride
Concen: 52.970 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:117 Resp: 421482

Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.8	115.2
121	32.1	24.5	36.7





#39
Methylcyclohexane
Concen: 52.949 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

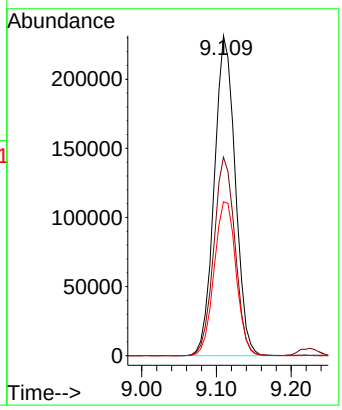
Tgt Ion: 83 Resp: 45240

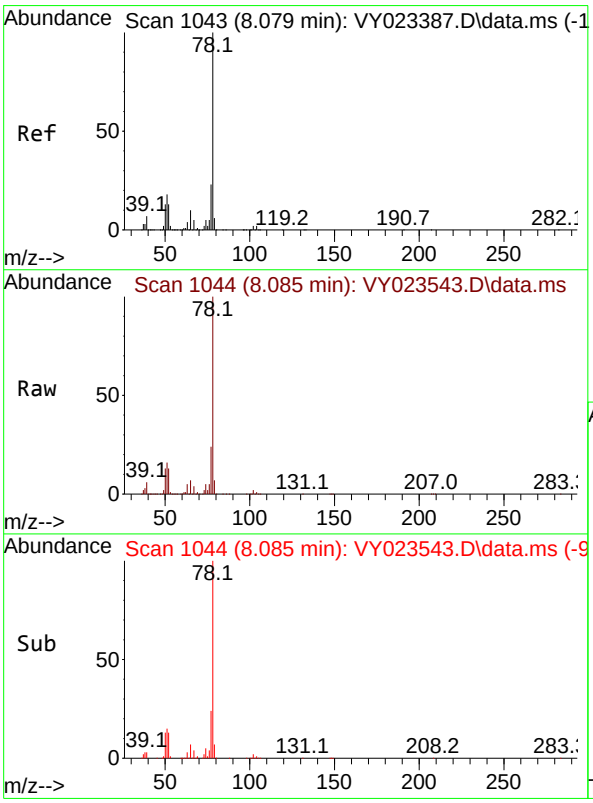
Ion	Ratio	Lower	Upper
83	100		
55	62.1	51.4	77.2
98	48.1	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

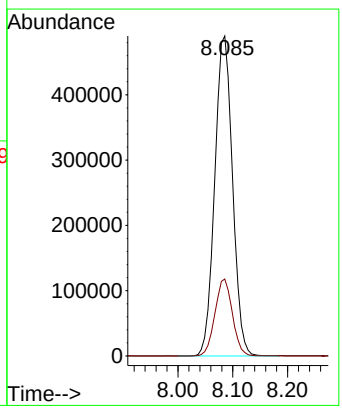


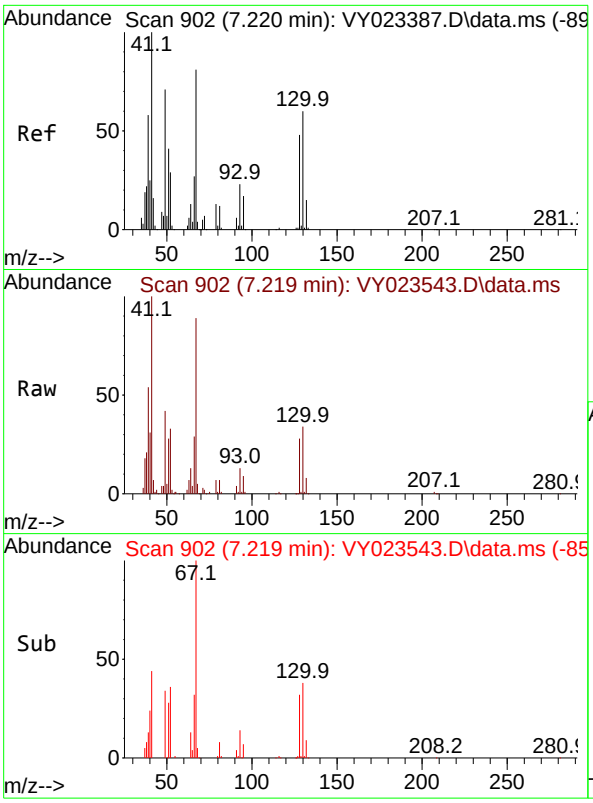


#40
Benzene
Concen: 53.219 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 78 Resp: 1105993

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5

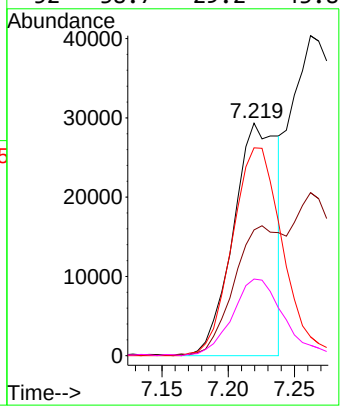




#41
Methacrylonitrile
Concen: 48.413 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 41 Resp: 6807

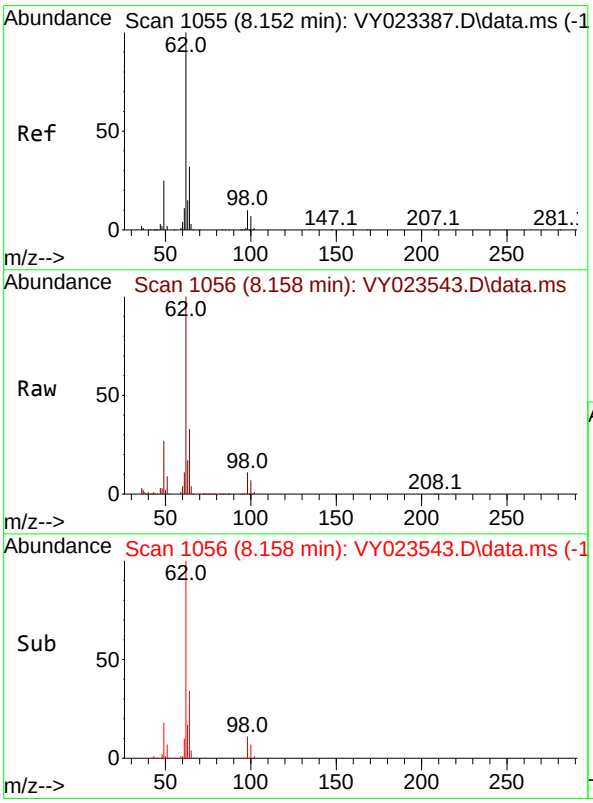
Ion	Ratio	Lower	Upper
41	100		
39	64.3	52.2	78.4
67	102.9	74.9	112.3
52	38.7	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

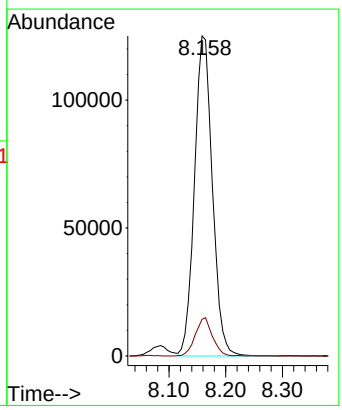
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

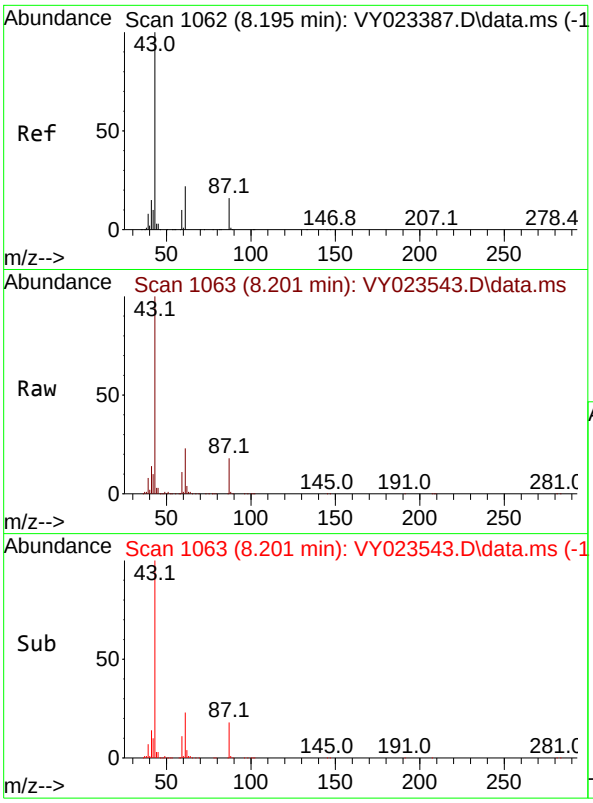


#42
1,2-Dichloroethane
Concen: 51.247 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 62 Resp: 274669

Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	21.6





#43
Isopropyl Acetate
Concen: 50.092 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

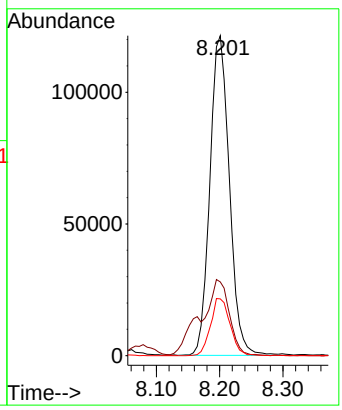
Tgt Ion: 43 Resp: 25967

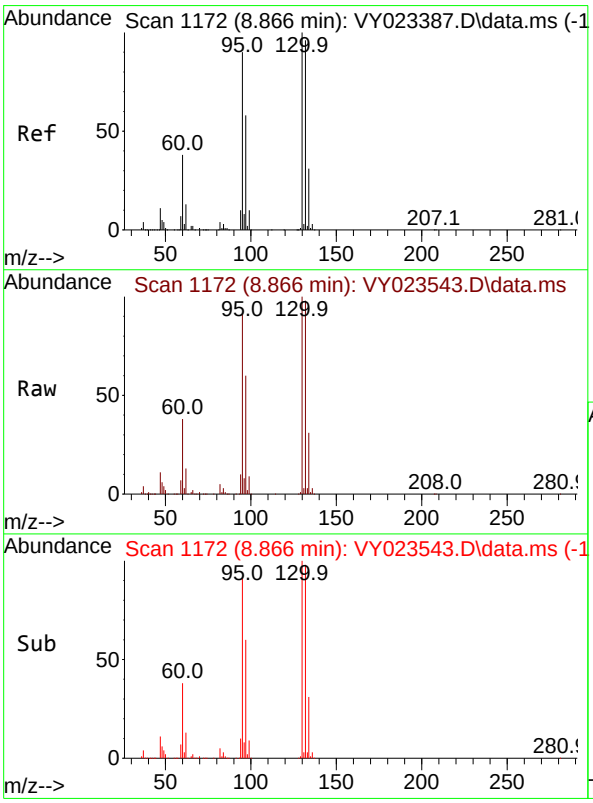
Ion	Ratio	Lower	Upper
43	100		
61	25.1	18.1	27.1
87	18.0	13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

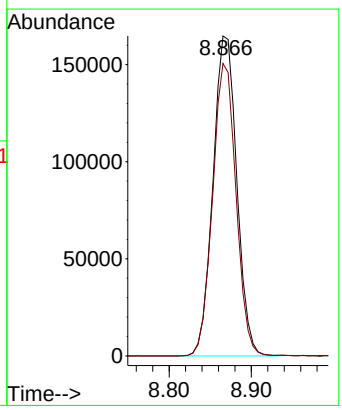


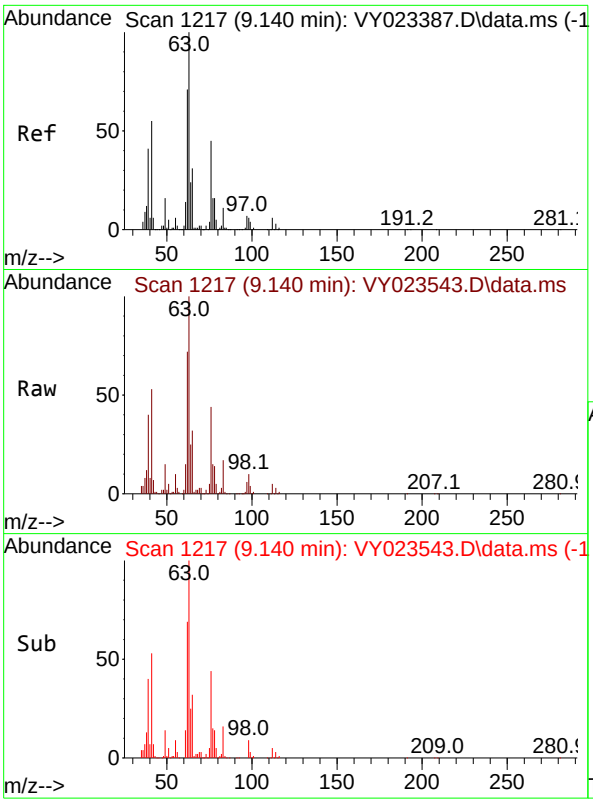


#44
Trichloroethene
Concen: 54.528 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:130 Resp: 331676

Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	180.6

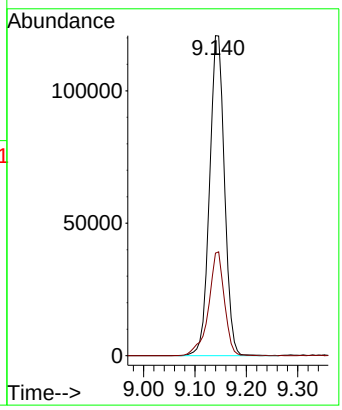




#45
1,2-Dichloropropane
Concen: 53.216 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 63 Resp: 24427

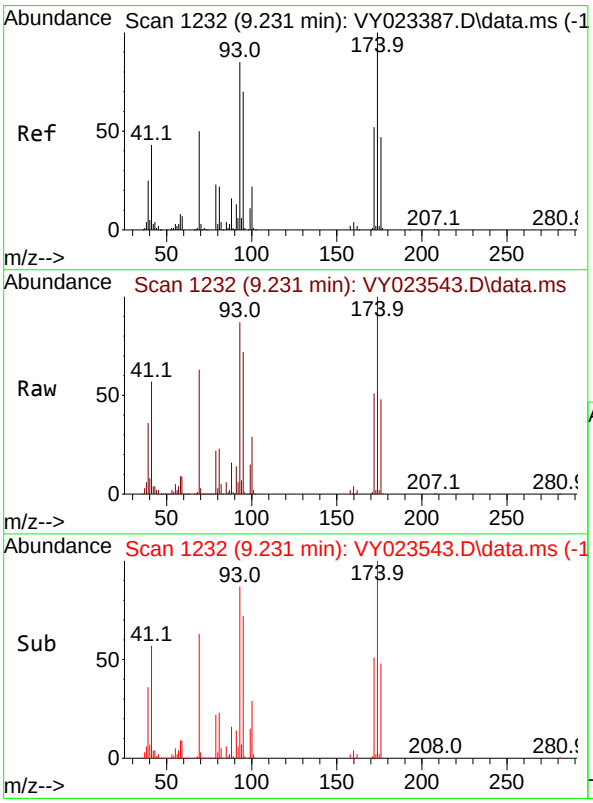
Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

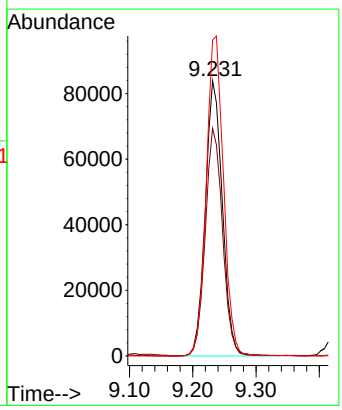
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

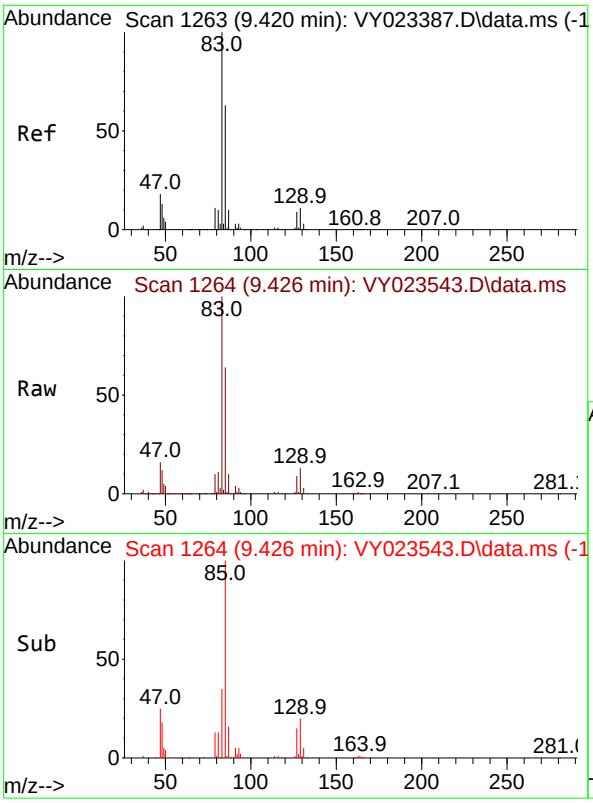


#46
Dibromomethane
Concen: 54.359 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 93 Resp: 157780

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.4	98.0
174	117.4	92.9	139.3

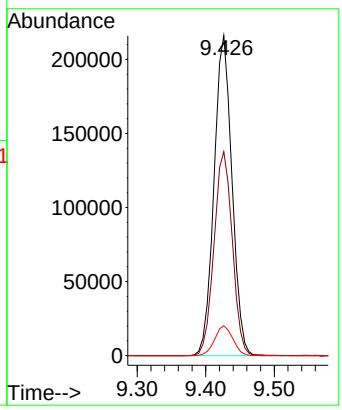




#47
Bromodichloromethane
Concen: 53.731 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 83 Resp: 39278

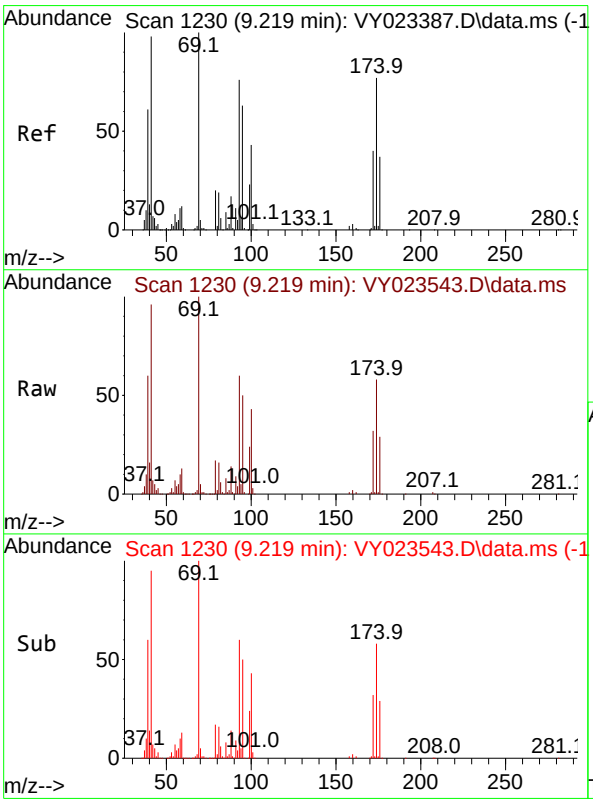
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.8	76.2
127	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

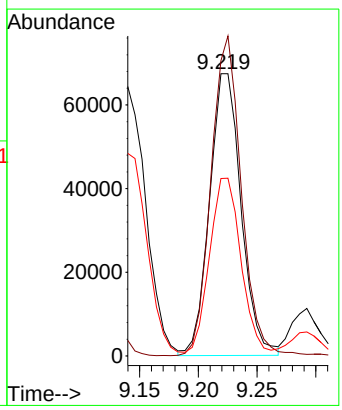
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

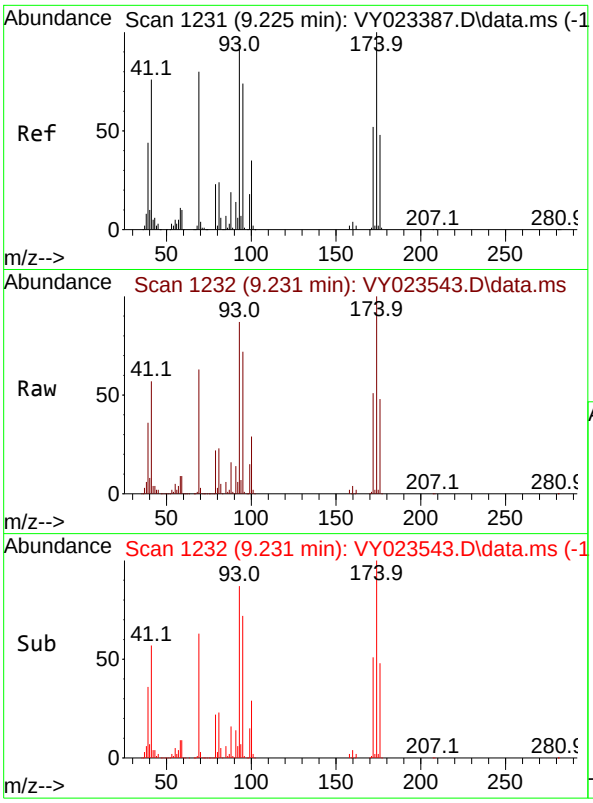


#48
Methyl methacrylate
Concen: 51.729 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 41 Resp: 125981

Ion	Ratio	Lower	Upper
41	100		
69	108.7	81.0	121.4
39	60.9	48.2	72.4

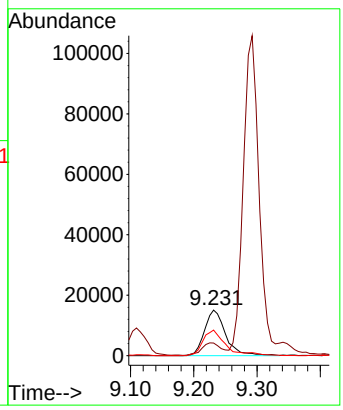




#49
1,4-Dioxane
Concen: 1042.410 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 88 Resp: 3508

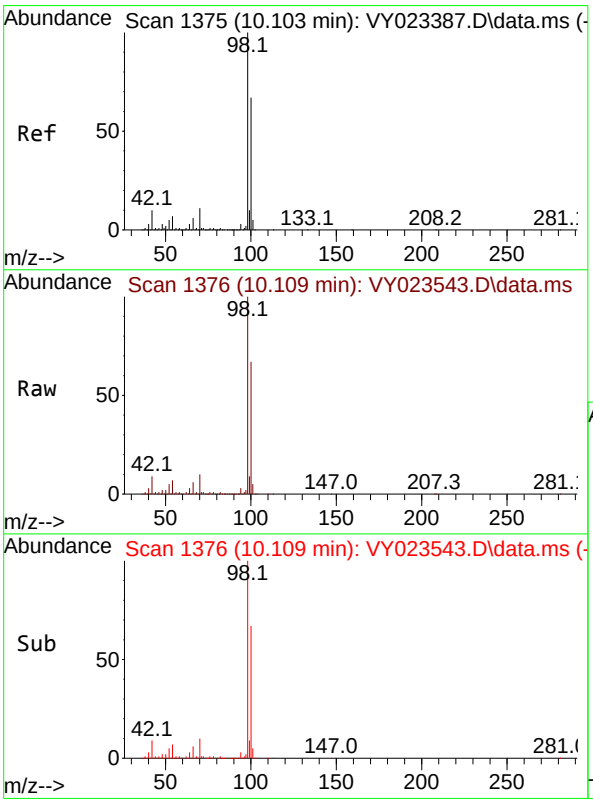
Ion	Ratio	Lower	Upper
88	100		
43	26.1	21.8	32.8
58	56.0	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

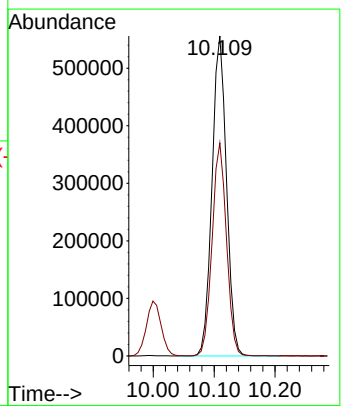
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

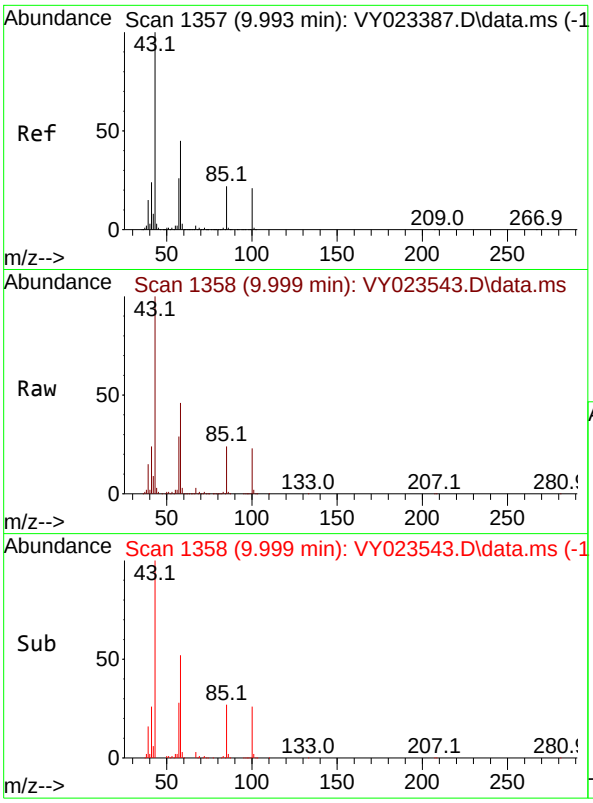


#50
Toluene-d8
Concen: 49.624 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 98 Resp: 916029

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

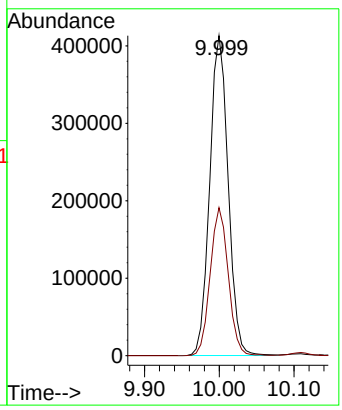




#51
4-Methyl-2-Pentanone
Concen: 263.542 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 43 Resp: 70586

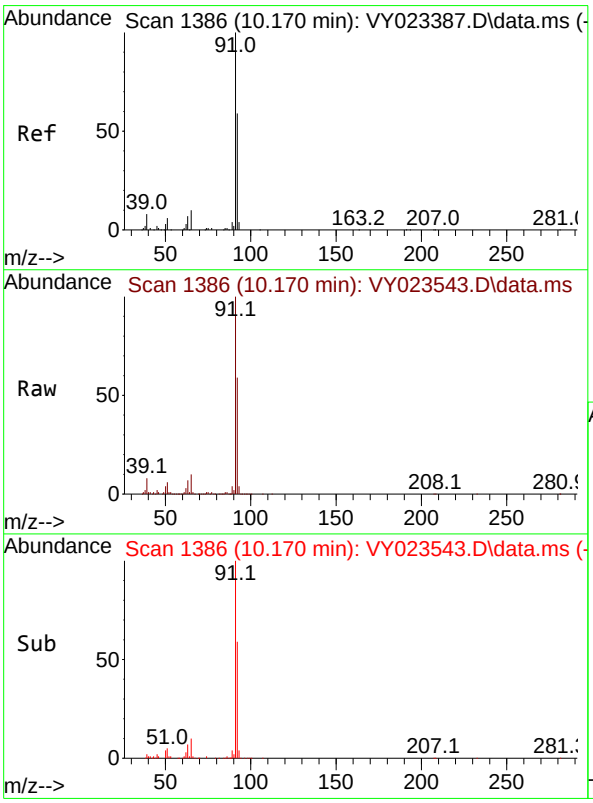
Ion	Ratio	Lower	Upper
43	100		
58	45.5	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

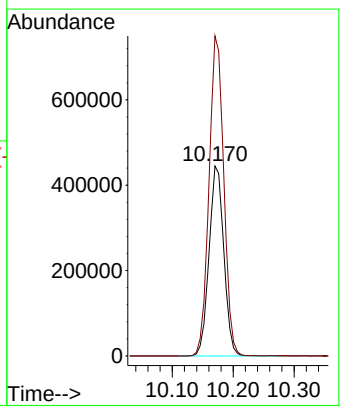
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

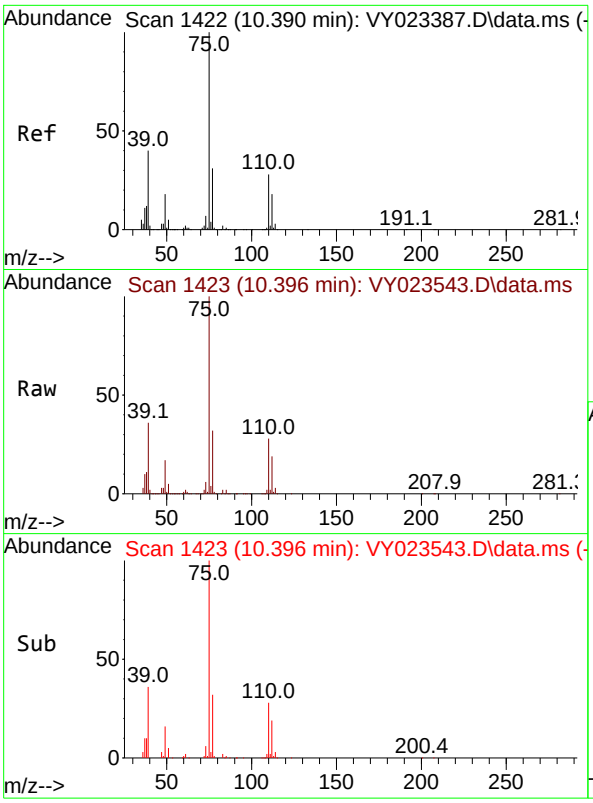


#52
Toluene
Concen: 55.380 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 92 Resp: 747259

Ion	Ratio	Lower	Upper
92	100		
91	168.7	136.4	204.6

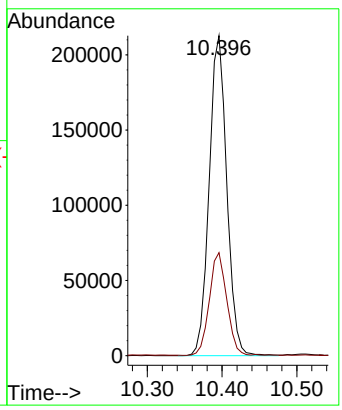




#53
t-1,3-Dichloropropene
Concen: 54.901 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 75 Resp: 34896

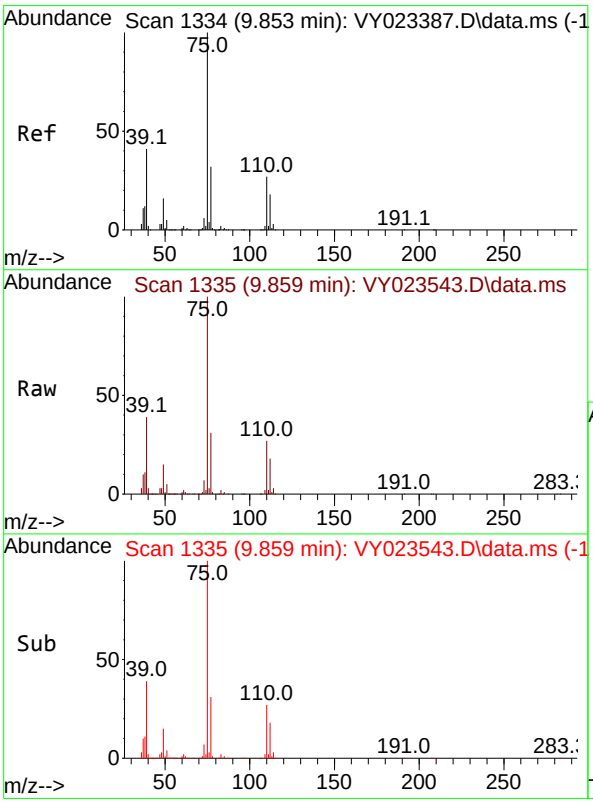
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

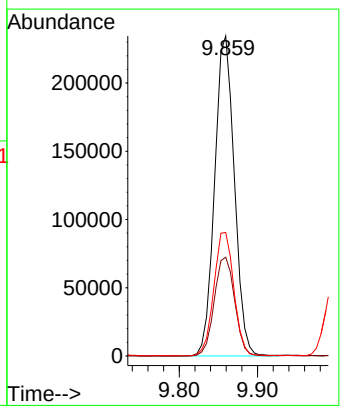
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

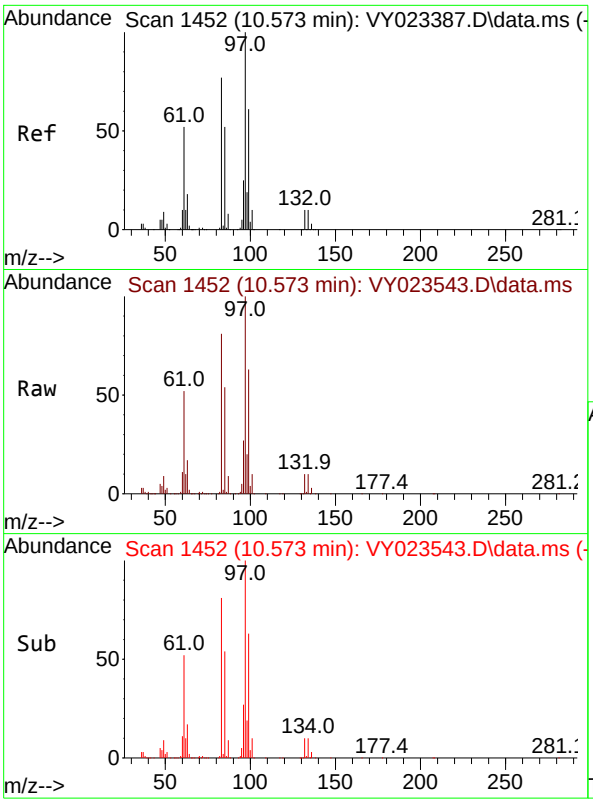


#54
cis-1,3-Dichloropropene
Concen: 54.701 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 75 Resp: 410362

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	38.6	32.8	49.2

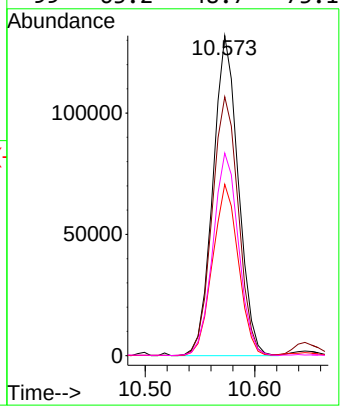




#55
1,1,2-Trichloroethane
Concen: 54.478 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 97 Resp: 21263

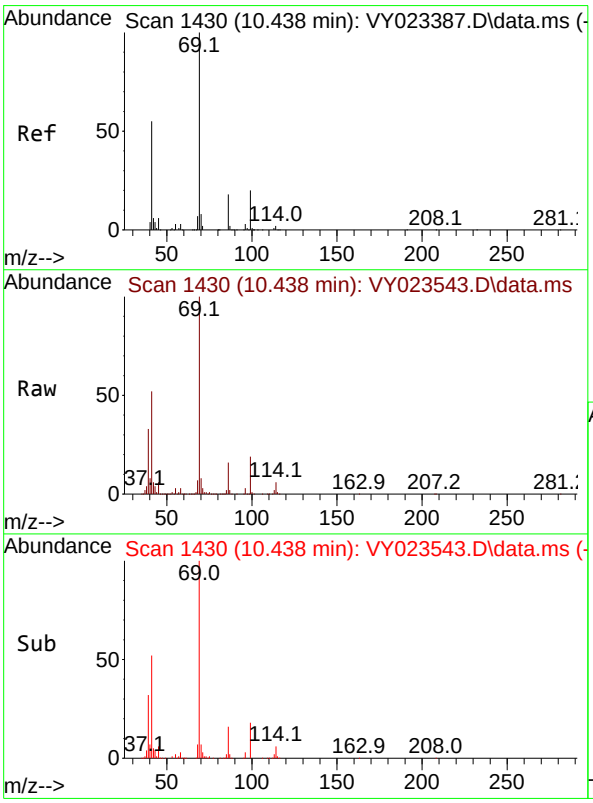
Ion	Ratio	Lower	Upper
97	100		
83	80.8	61.8	92.6
85	53.5	41.3	61.9
99	63.2	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

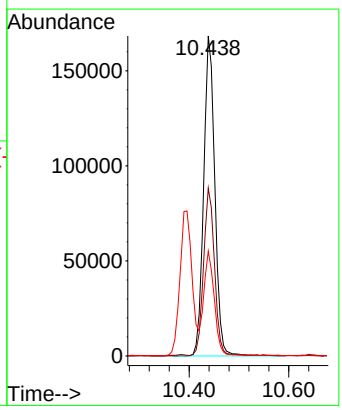
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

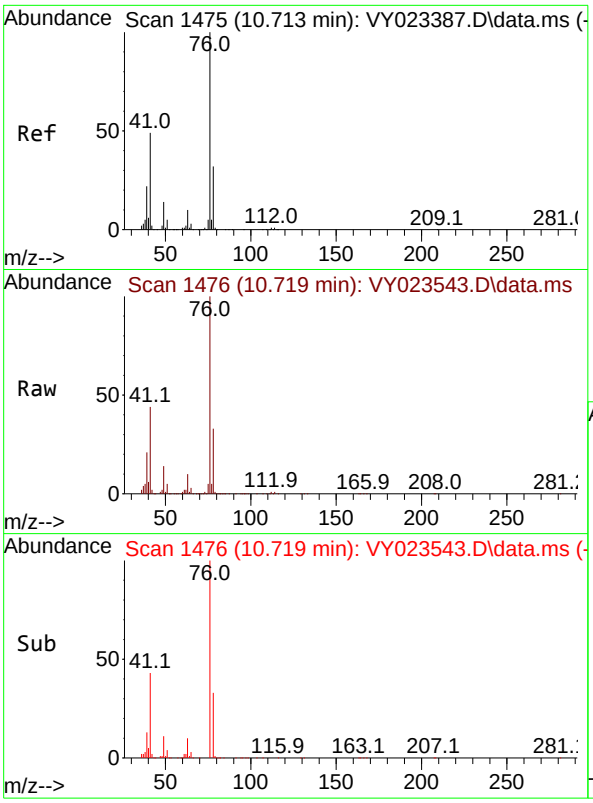


#56
Ethyl methacrylate
Concen: 57.967 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 69 Resp: 260989

Ion	Ratio	Lower	Upper
69	100		
41	51.2	44.6	67.0
39	30.1	27.0	40.4

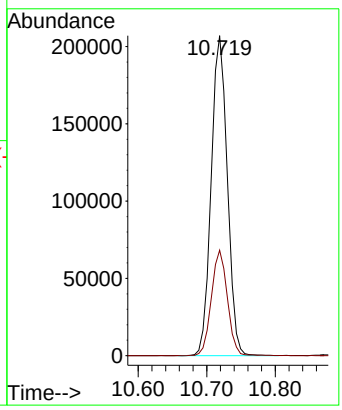




#57
1,3-Dichloropropane
Concen: 54.594 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 76 Resp: 33766

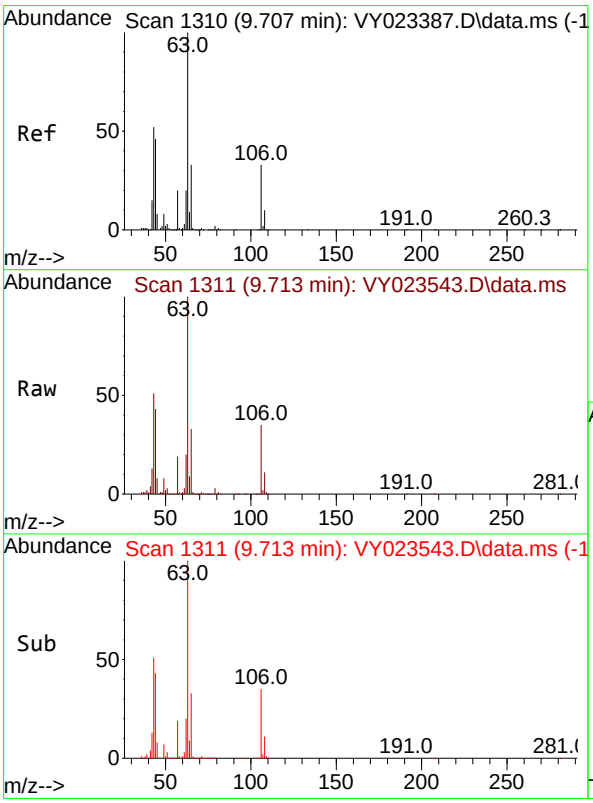
Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

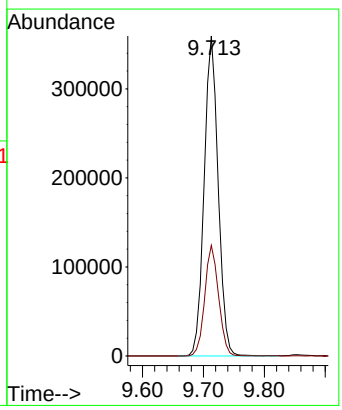
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

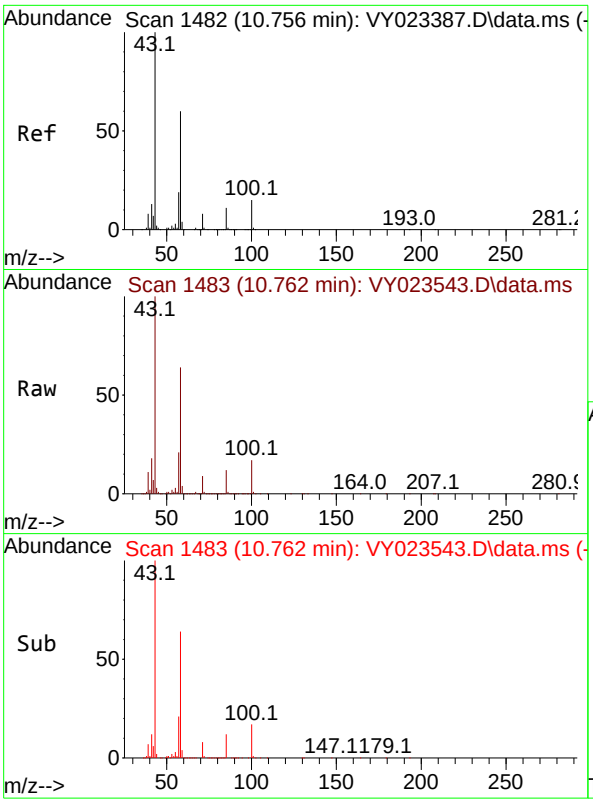


#58
2-Chloroethyl Vinyl ether
Concen: 284.845 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 63 Resp: 574517

Ion	Ratio	Lower	Upper
63	100		
106	34.1	26.6	39.8

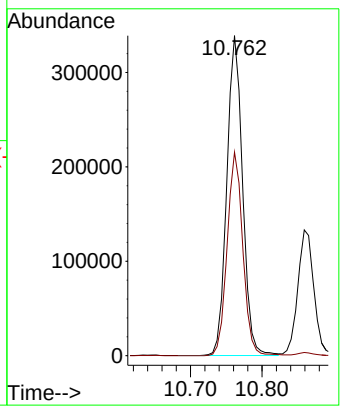




#59
2-Hexanone
Concen: 271.019 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 43 Resp: 51875

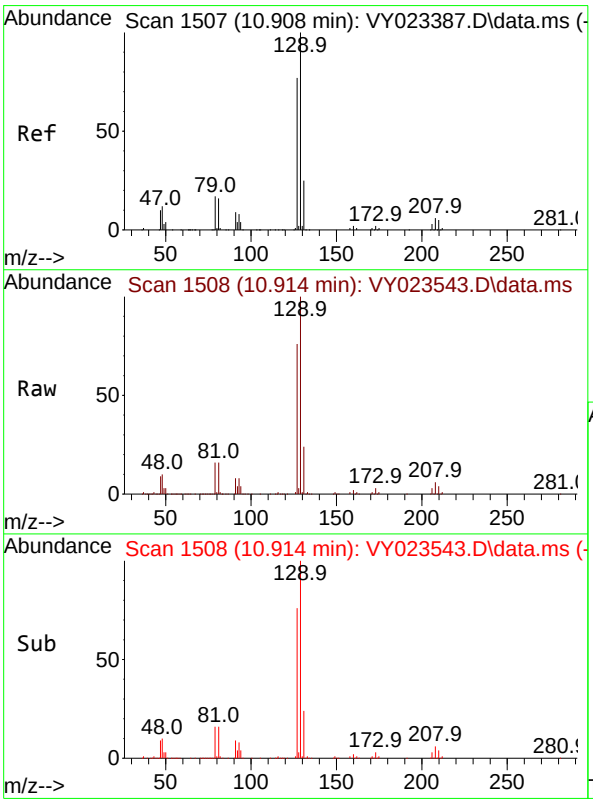
Ion	Ratio	Lower	Upper
43	100		
58	63.3	30.5	91.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

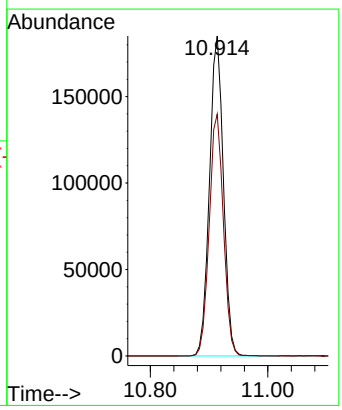
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

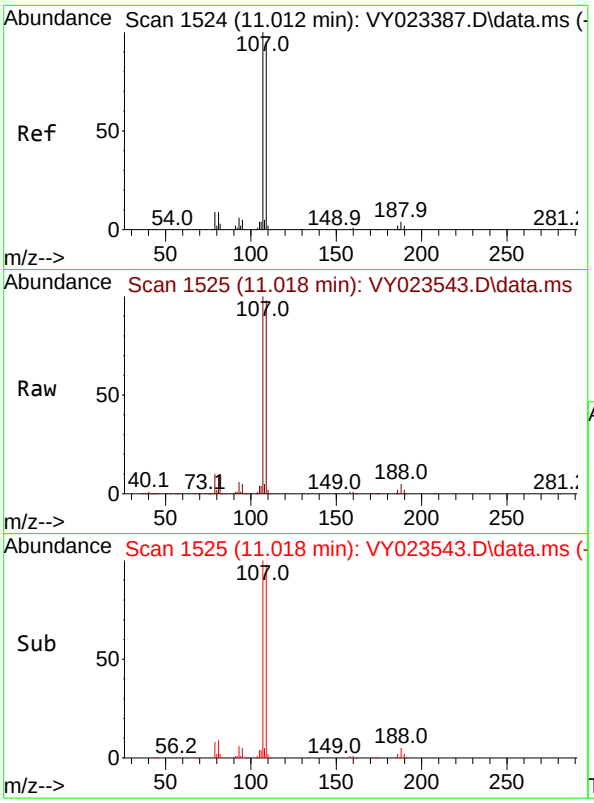


#60
Dibromochloromethane
Concen: 55.647 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:129 Resp: 304516

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	115.7

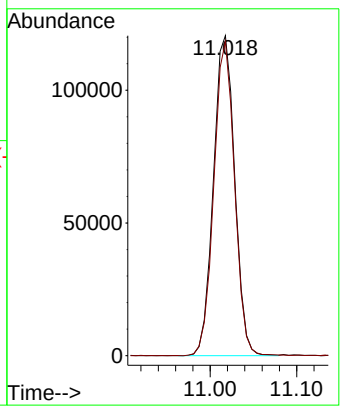




#61
1,2-Dibromoethane
Concen: 55.233 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:107 Resp: 20560

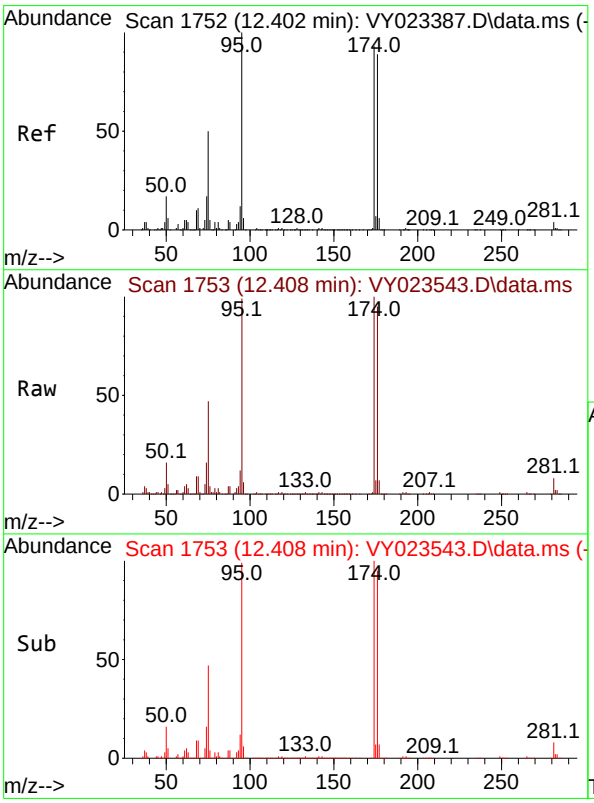
Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

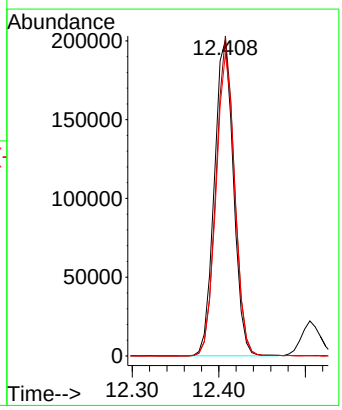
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

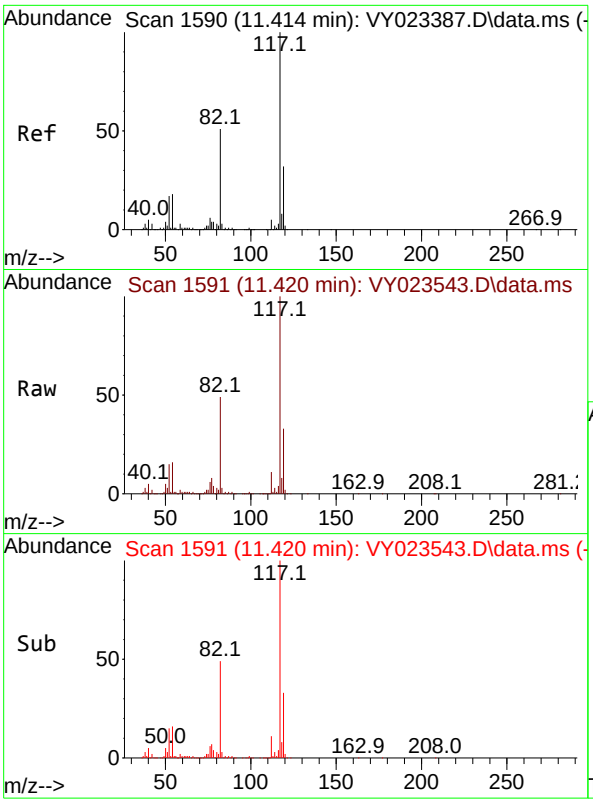


#62
4-Bromofluorobenzene
Concen: 50.517 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 95 Resp: 307868

Ion	Ratio	Lower	Upper
95	100		
174	97.4	0.0	192.8
176	93.9	0.0	187.6

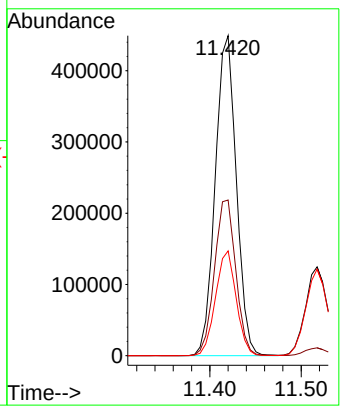




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:117 Resp: 72000

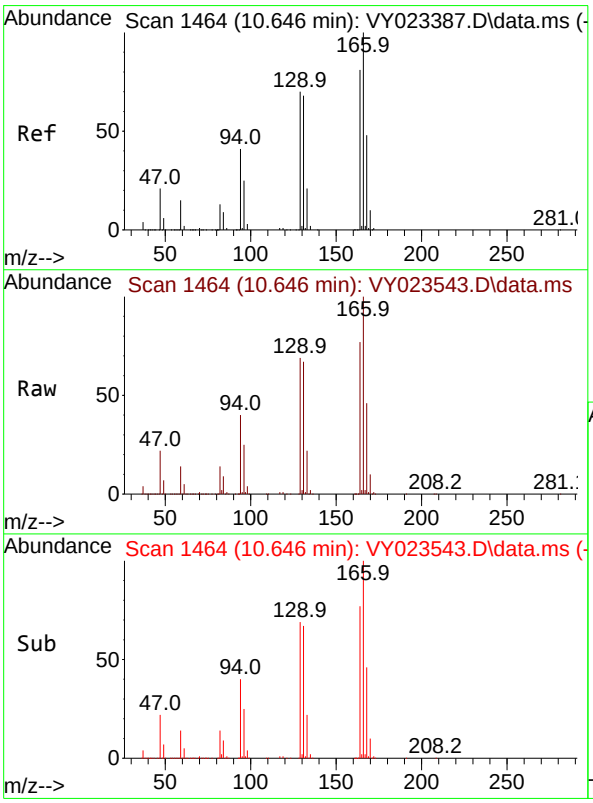
Ion	Ratio	Lower	Upper
117	100		
82	48.7	41.0	61.4
119	32.8	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

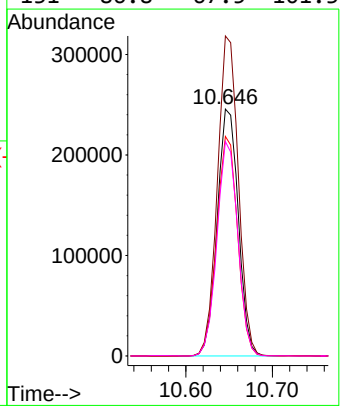
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

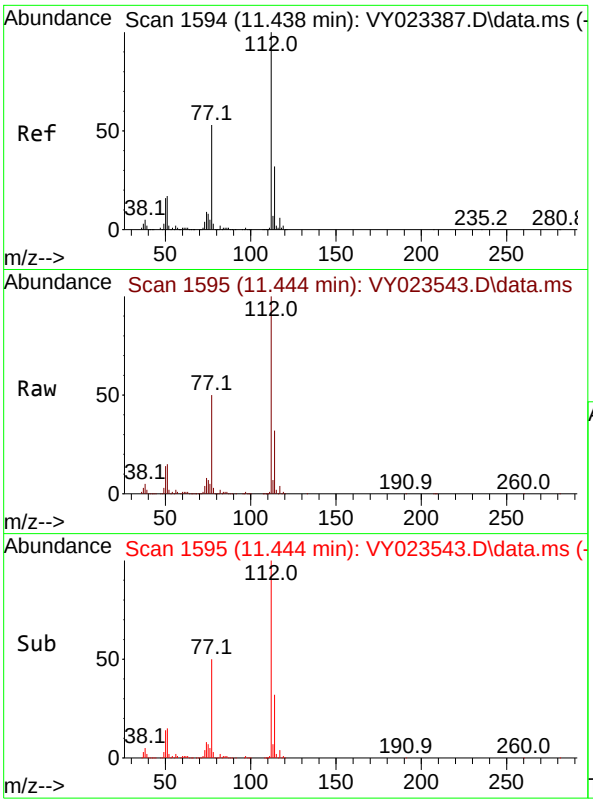


#64
Tetrachloroethene
Concen: 56.127 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:164 Resp: 417270

Ion	Ratio	Lower	Upper
164	100		
166	129.6	99.4	149.0
129	89.0	69.4	104.2
131	86.8	67.5	101.3

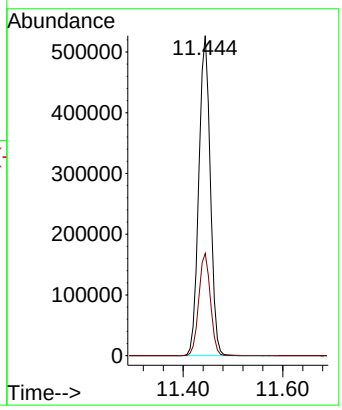




#65
Chlorobenzene
Concen: 53.721 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:112 Resp: 84125

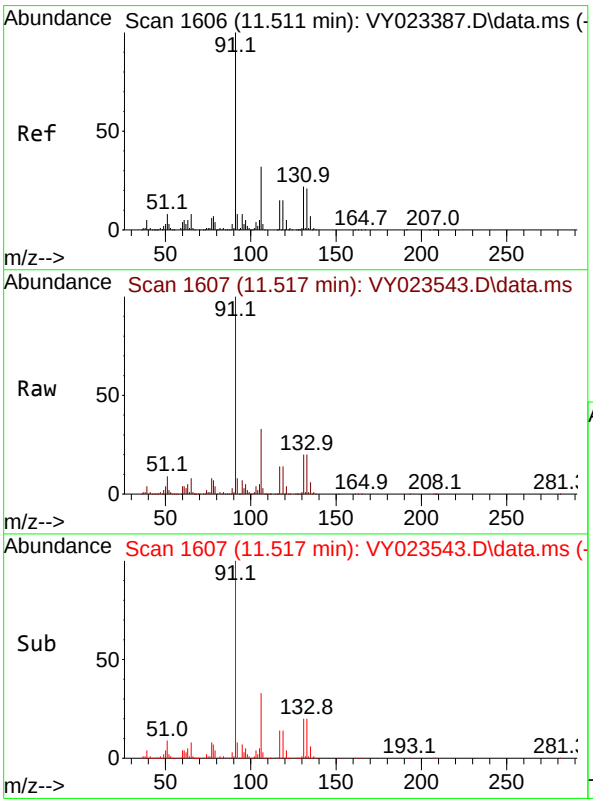
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

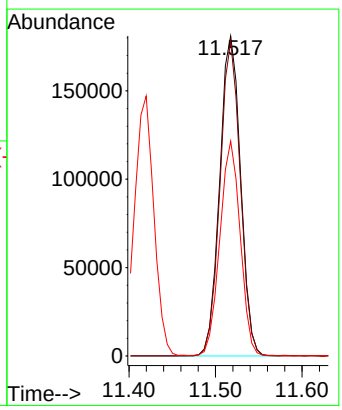
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

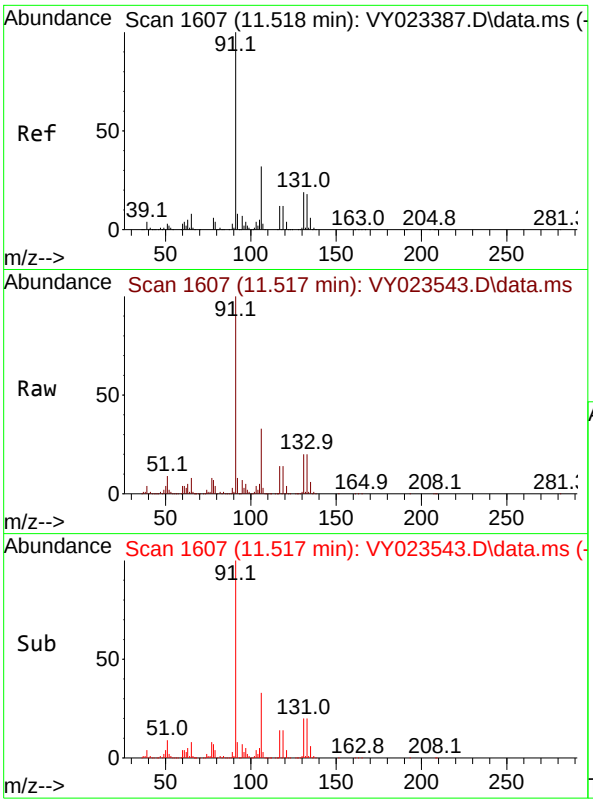


#66
1,1,1,2-Tetrachloroethane
Concen: 54.255 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:131 Resp: 302769

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.4	145.2
119	65.3	32.4	97.2

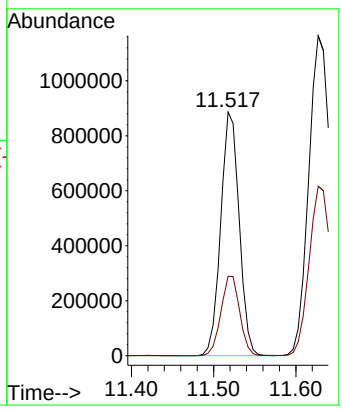




#67
Ethyl Benzene
Concen: 54.584 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 91 Resp: 138361

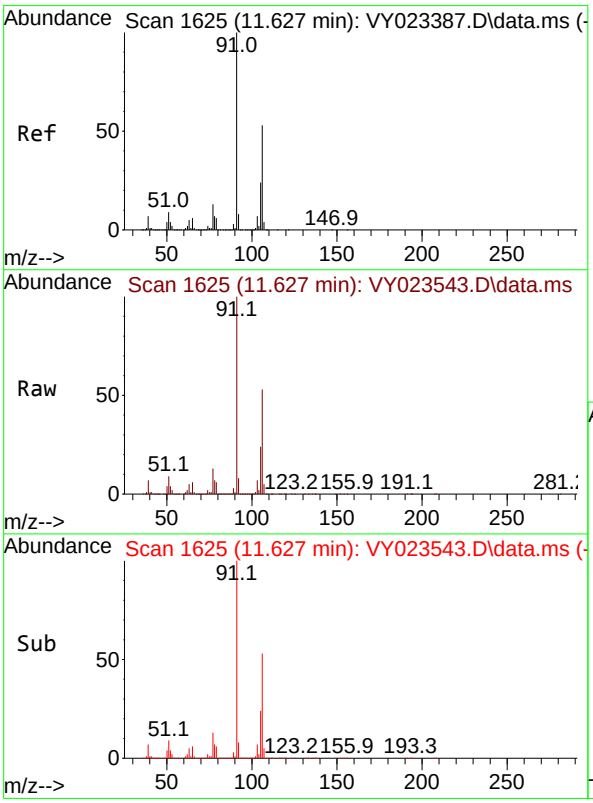
Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

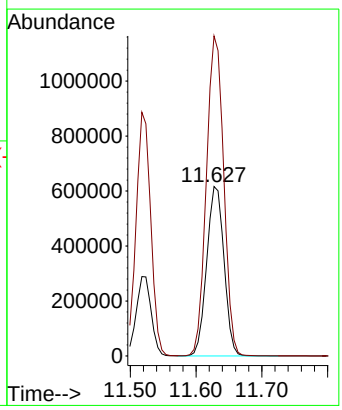
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

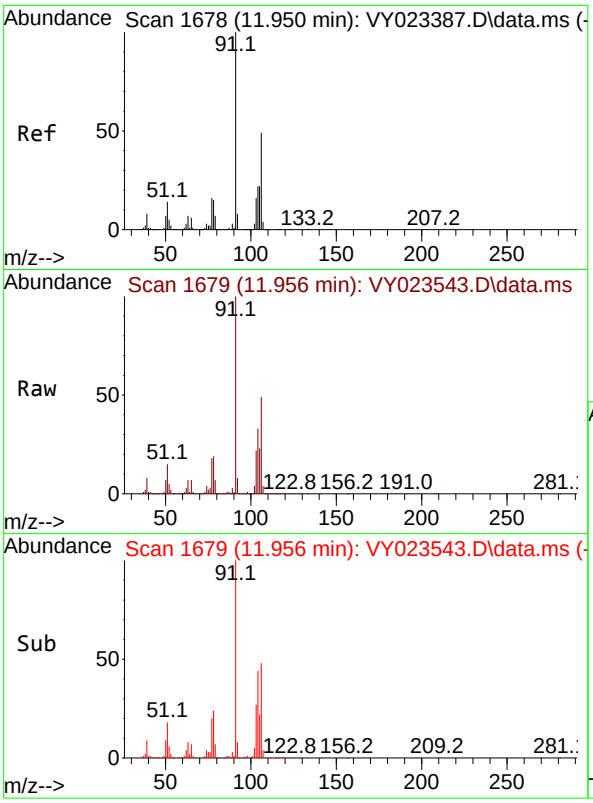


#68
m/p-Xylenes
Concen: 110.980 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:106 Resp: 1128353

Ion	Ratio	Lower	Upper
106	100		
91	189.3	152.6	229.0

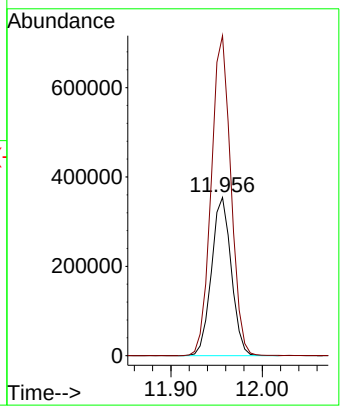




#69
o-Xylene
Concen: 55.814 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:106 Resp: 53226

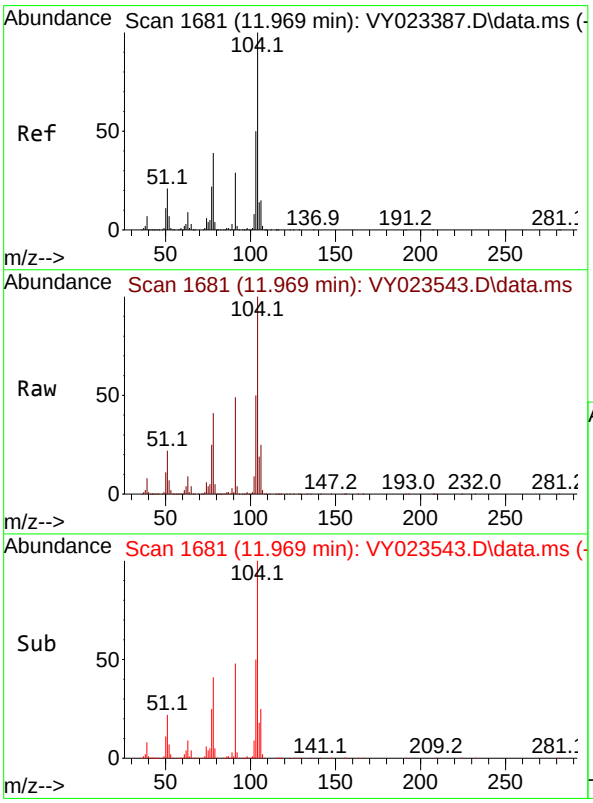
Ion	Ratio	Lower	Upper
106	100		
91	201.1	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

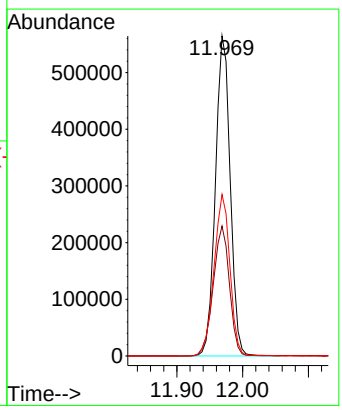
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

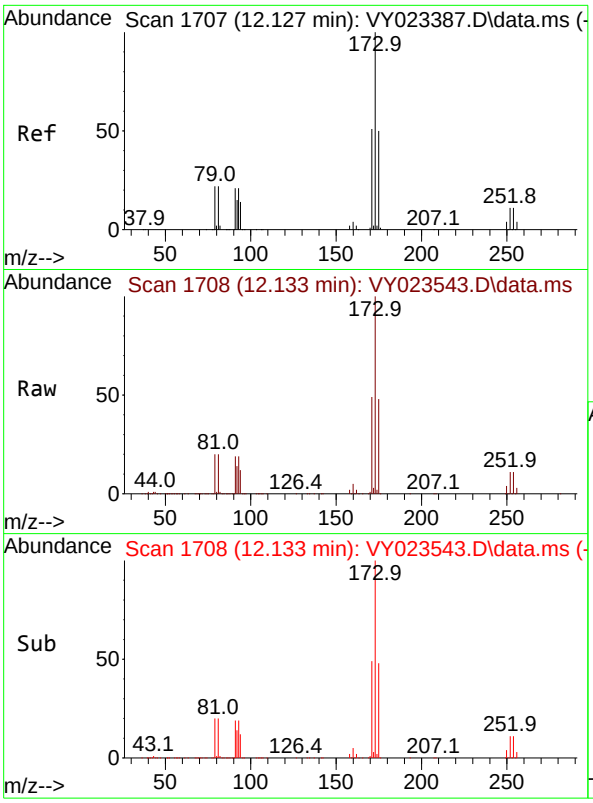


#70
Styrene
Concen: 56.380 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:104 Resp: 884177

Ion	Ratio	Lower	Upper
104	100		
78	44.6	36.1	54.1
103	54.2	43.2	64.8

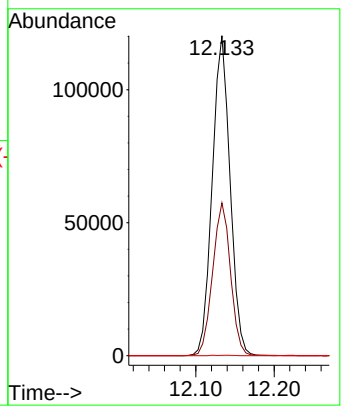




#71
Bromoform
Concen: 54.947 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:173 Resp: 19020

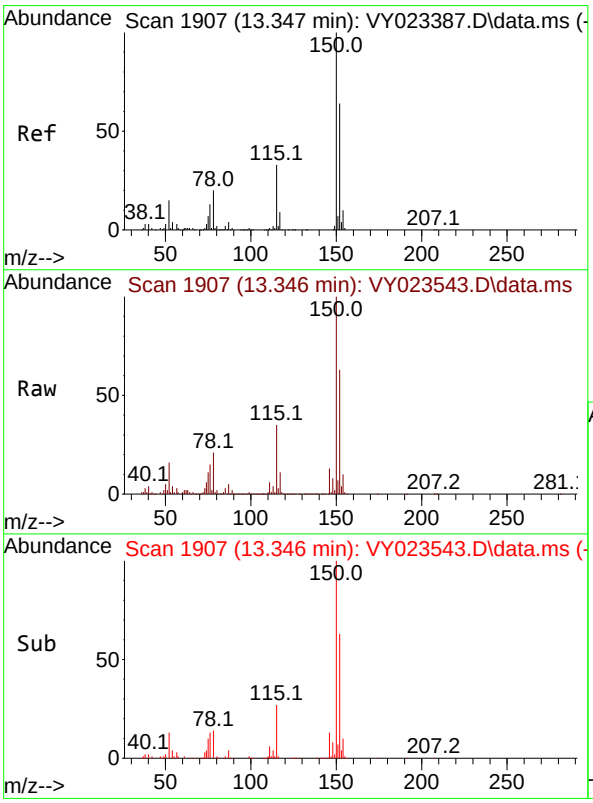
Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.8	74.3
254	0.1	0.1	0.1#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

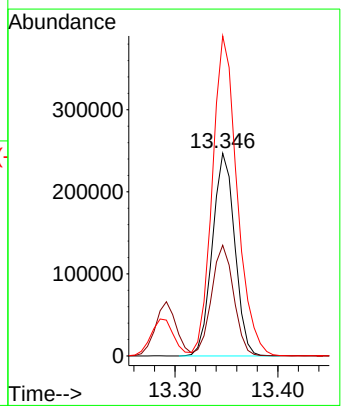
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

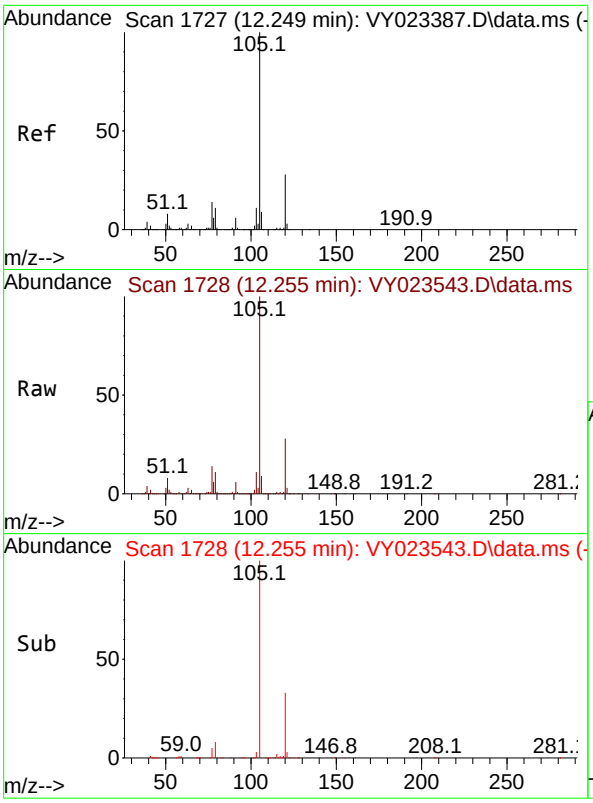


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:152 Resp: 373234

Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.1	81.2
150	174.4	0.0	347.4

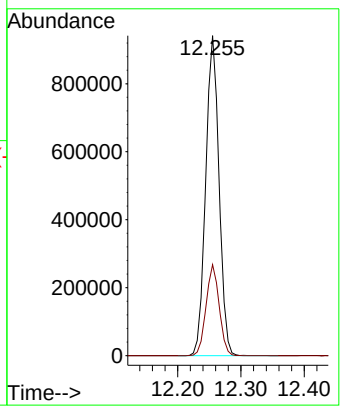




#73
Isopropylbenzene
Concen: 56.129 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:105 Resp: 138058

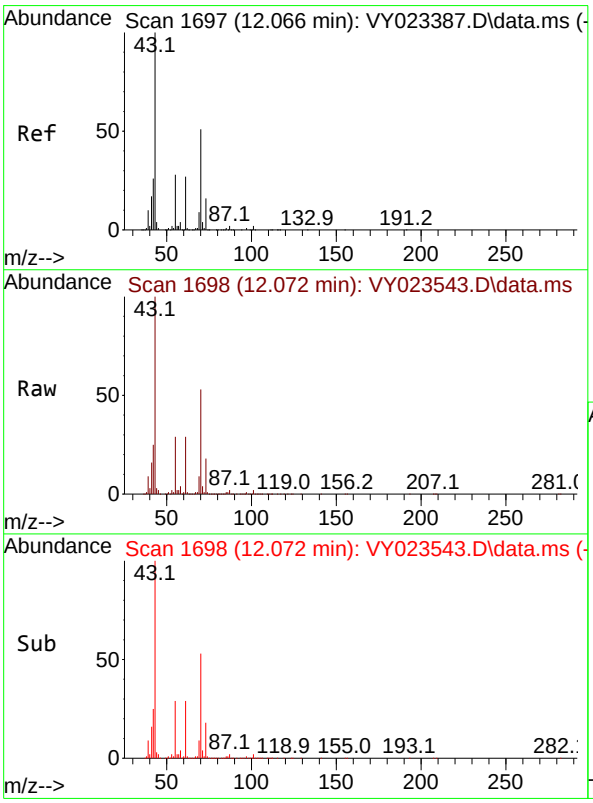
Ion	Ratio	Lower	Upper
105	100		
120	28.0	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

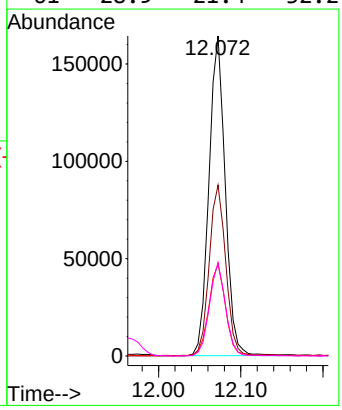
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

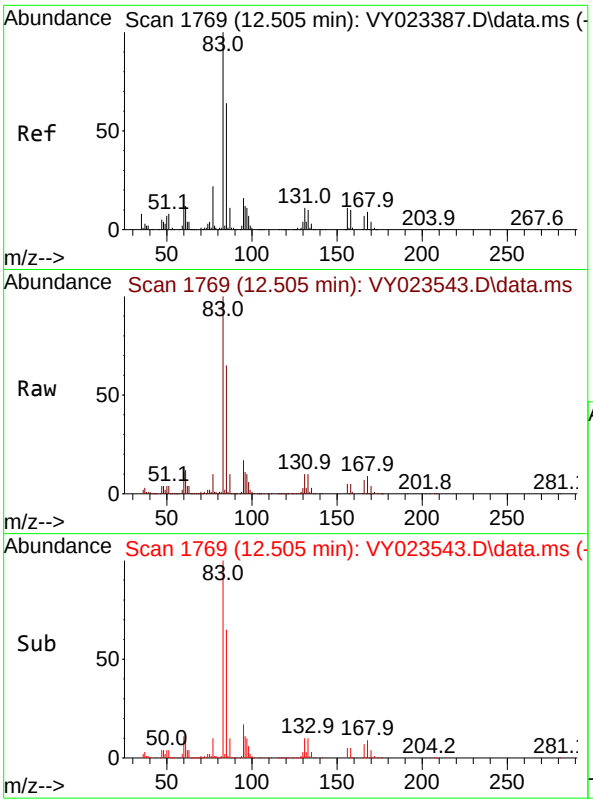


#74
N-amyl acetate
Concen: 51.252 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 43 Resp: 226427

Ion	Ratio	Lower	Upper
43	100		
70	54.6	41.1	61.7
55	29.0	23.0	34.6
61	28.9	21.4	32.2

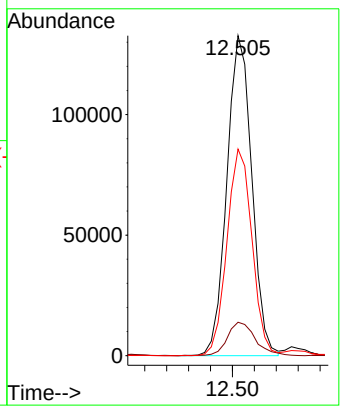




#75
1,1,2,2-Tetrachloroethane
Concen: 52.112 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 83 Resp: 20964

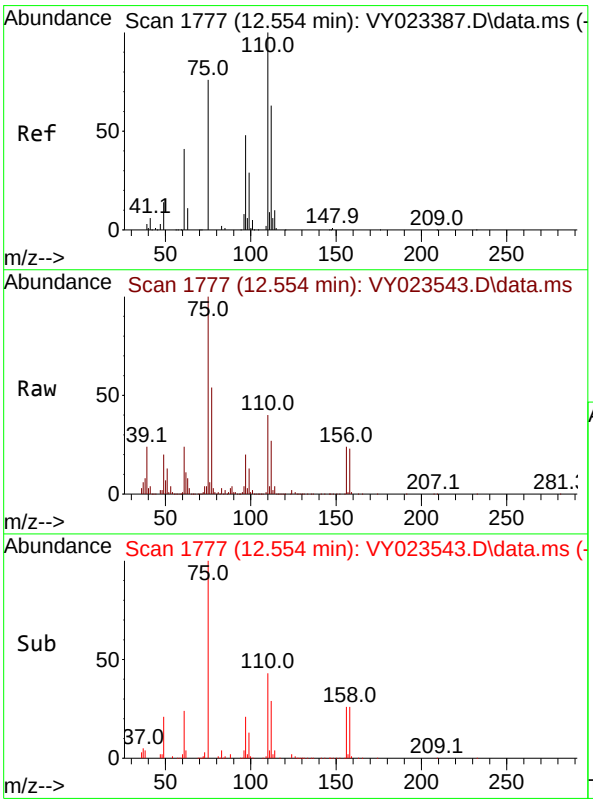
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.9	17.6
85	64.8	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

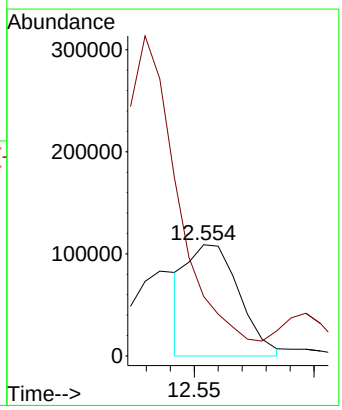
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

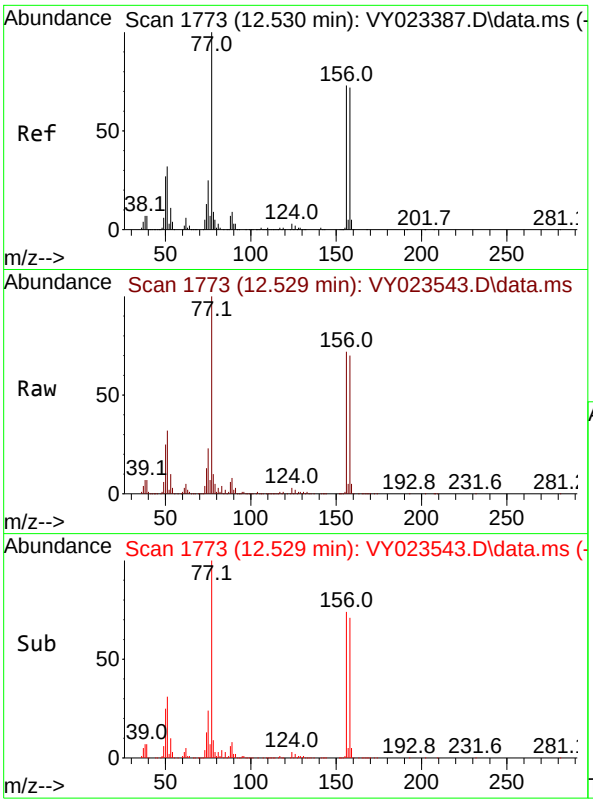


#76
1,2,3-Trichloropropane
Concen: 50.178 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 75 Resp: 165233

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

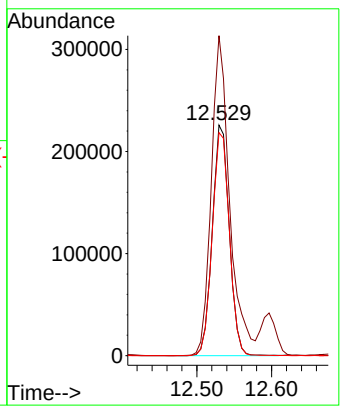




#77
Bromobenzene
Concen: 54.338 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:156 Resp: 35532

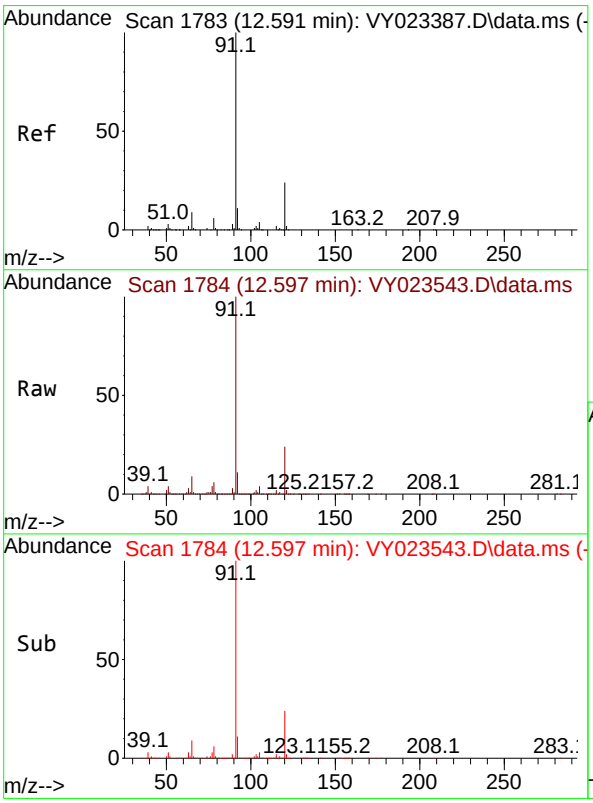
Ion	Ratio	Lower	Upper
156	100		
77	150.7	76.8	230.5
158	98.3	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

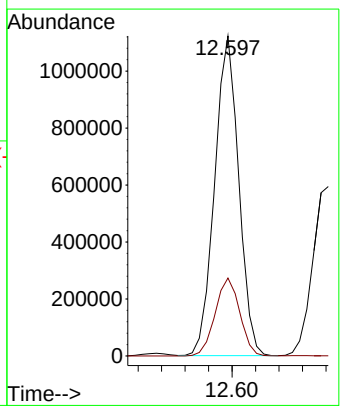
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

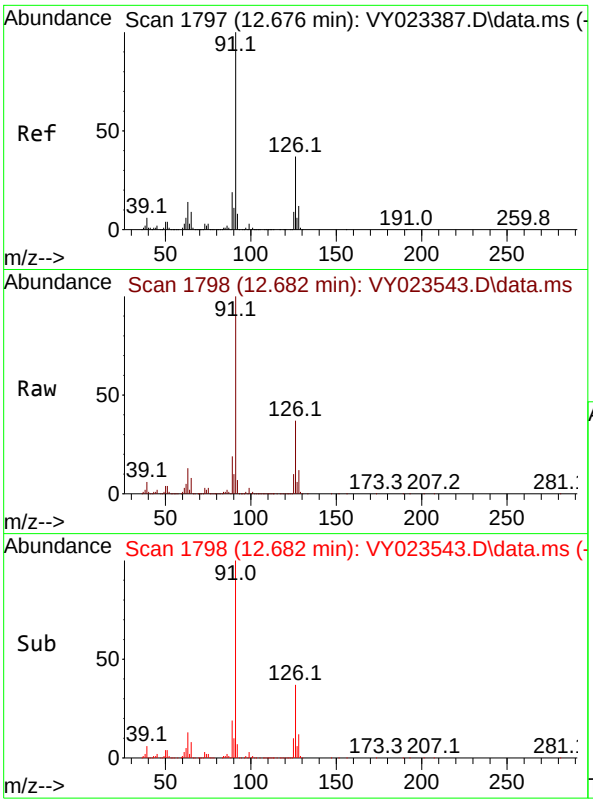


#78
n-propylbenzene
Concen: 56.123 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 91 Resp: 1597439

Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.8

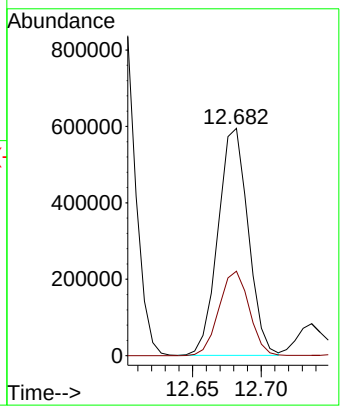




#79
2-Chlorotoluene
Concen: 54.637 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 91 Resp: 91069

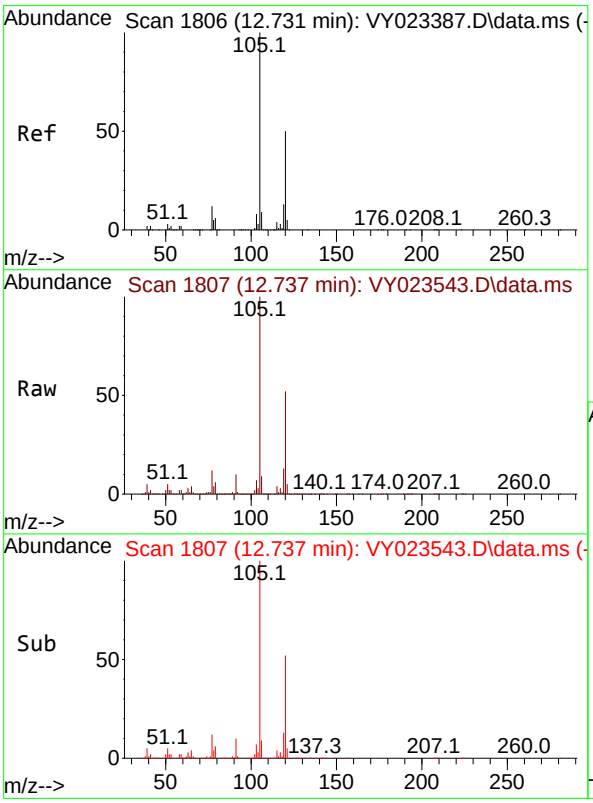
Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

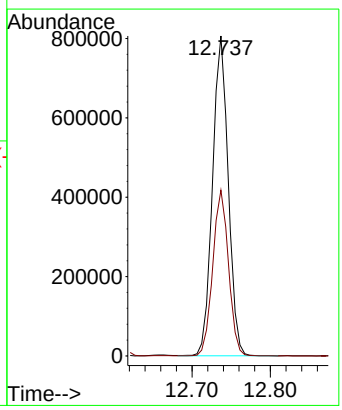
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

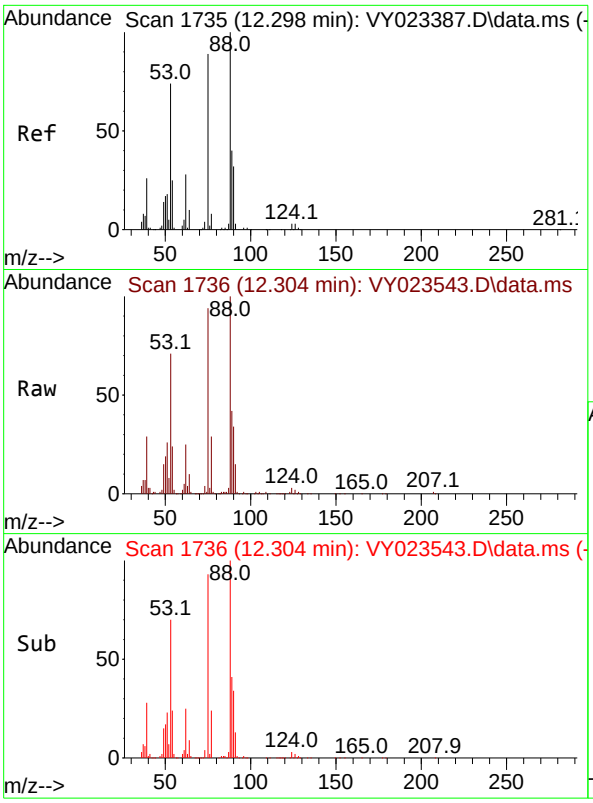


#80
1,3,5-Trimethylbenzene
Concen: 56.518 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:105 Resp: 1123341

Ion	Ratio	Lower	Upper
105	100		
120	52.0	25.4	76.4





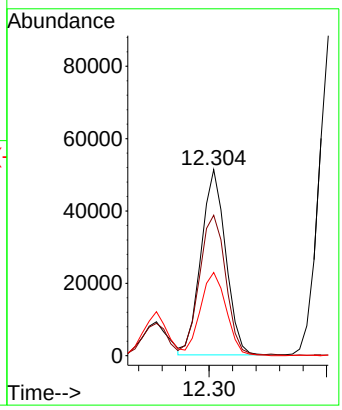
#81
trans-1,4-Dichloro-2-butene
Concen: 55.547 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

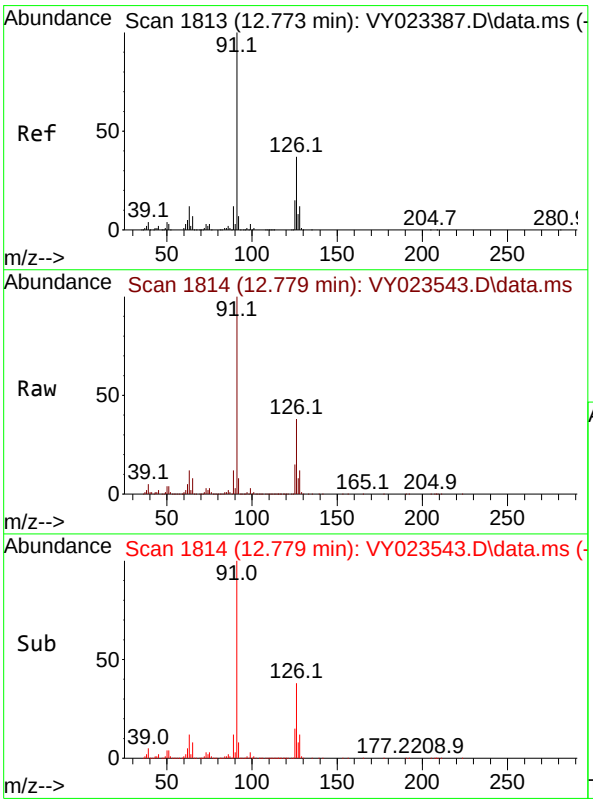
Tgt Ion: 75 Resp: 7459

Ion	Ratio	Lower	Upper
75	100		
53	80.3	68.6	102.8
89	47.0	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

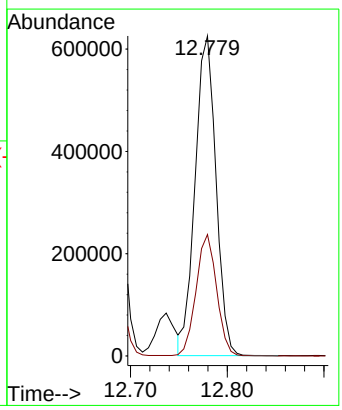


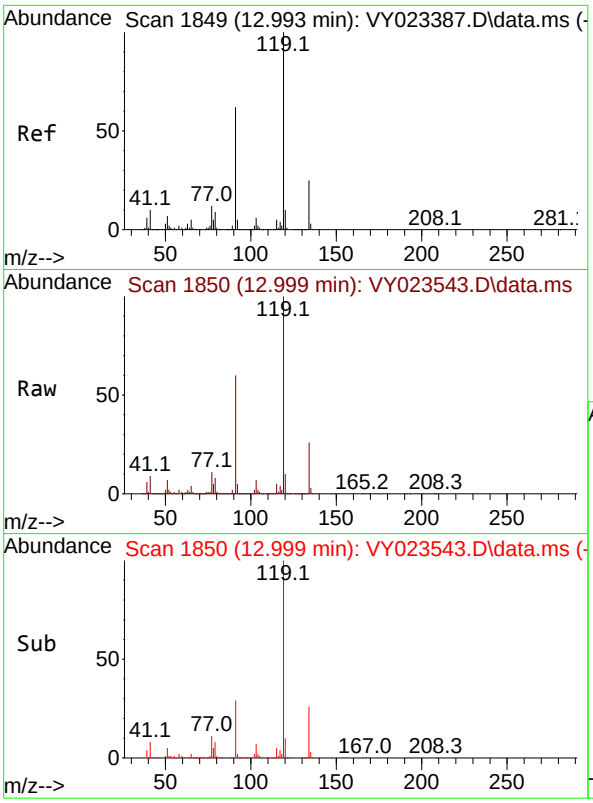


#82
4-Chlorotoluene
Concen: 54.609 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 91 Resp: 937415

Ion	Ratio	Lower	Upper
91	100		
126	37.7	18.4	55.4

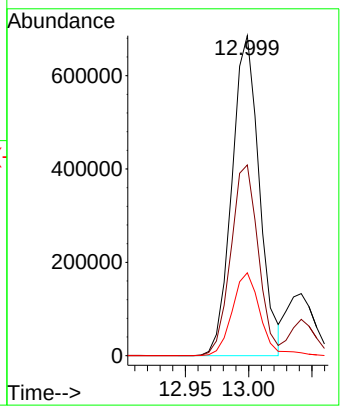




#83
tert-Butylbenzene
Concen: 56.518 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:119 Resp: 103718

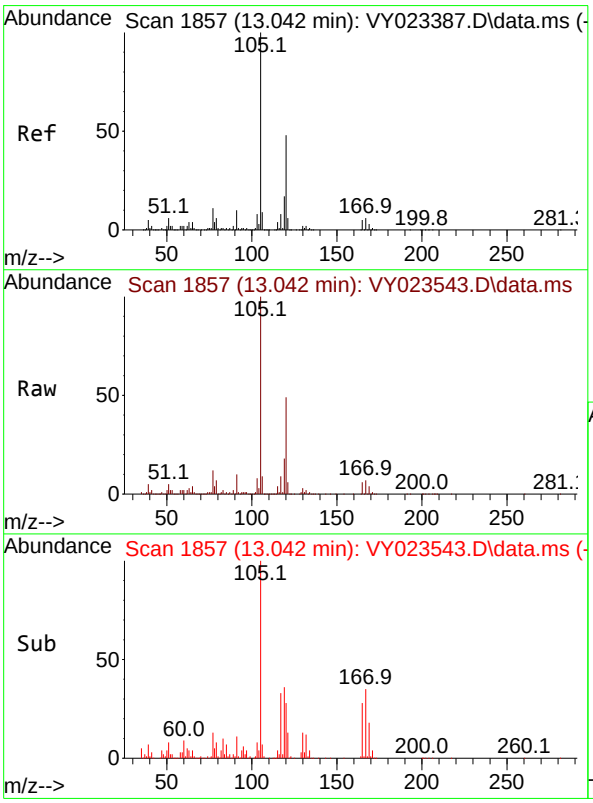
Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.9	89.8
134	26.5	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

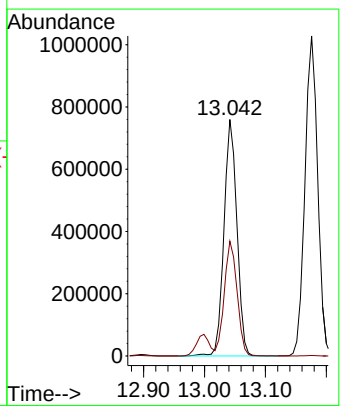
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

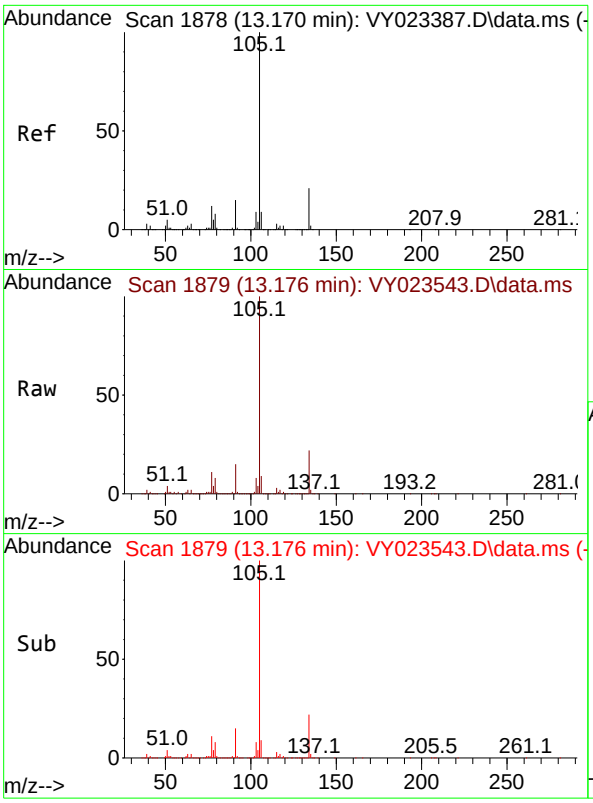


#84
1,2,4-Trimethylbenzene
Concen: 56.397 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:105 Resp: 1118689

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.8	71.2





#85
sec-Butylbenzene
Concen: 56.506 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

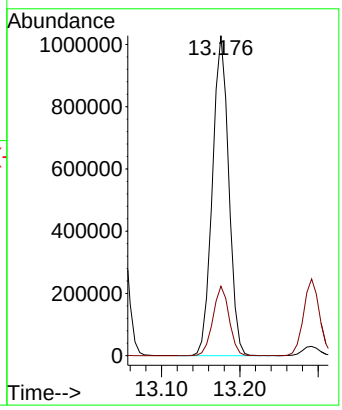
Tgt Ion:105 Resp: 148751

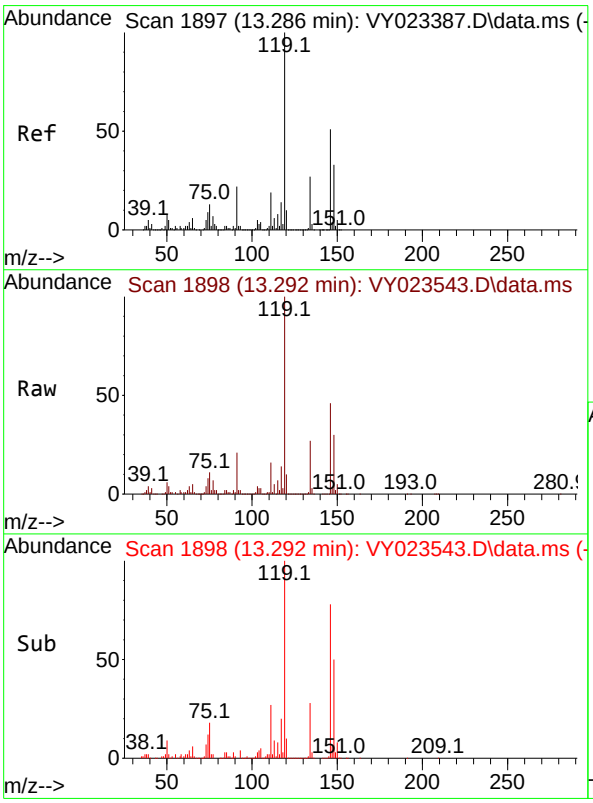
Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.7	32.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

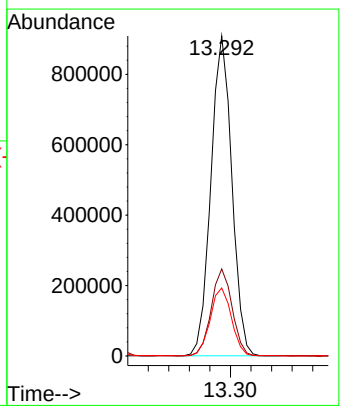


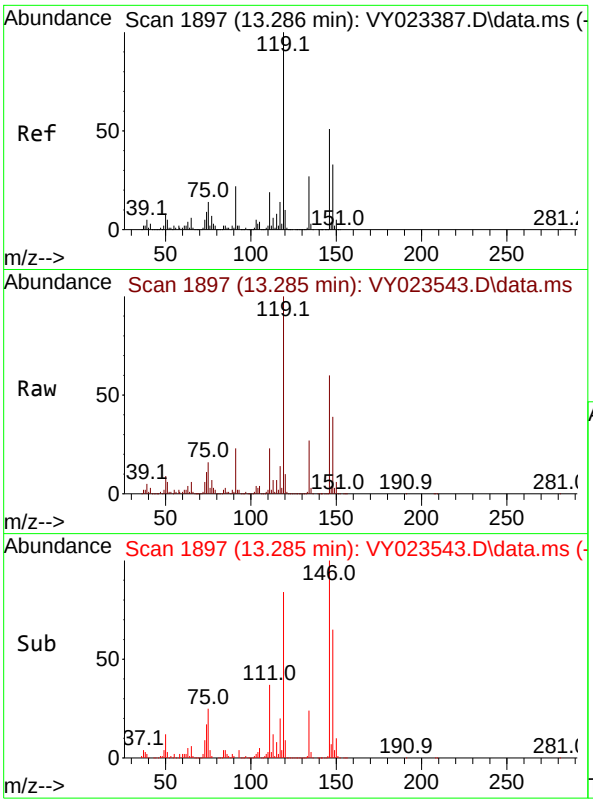


#86
p-Isopropyltoluene
Concen: 57.215 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:119 Resp: 1282400

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	21.6	10.9	32.9

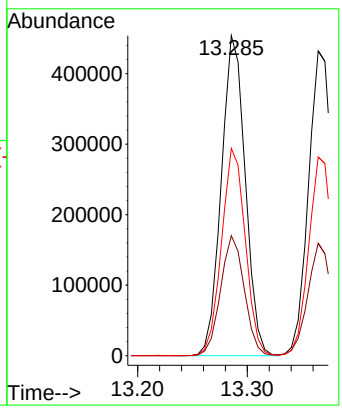




#87
1,3-Dichlorobenzene
Concen: 54.089 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:146 Resp: 68874

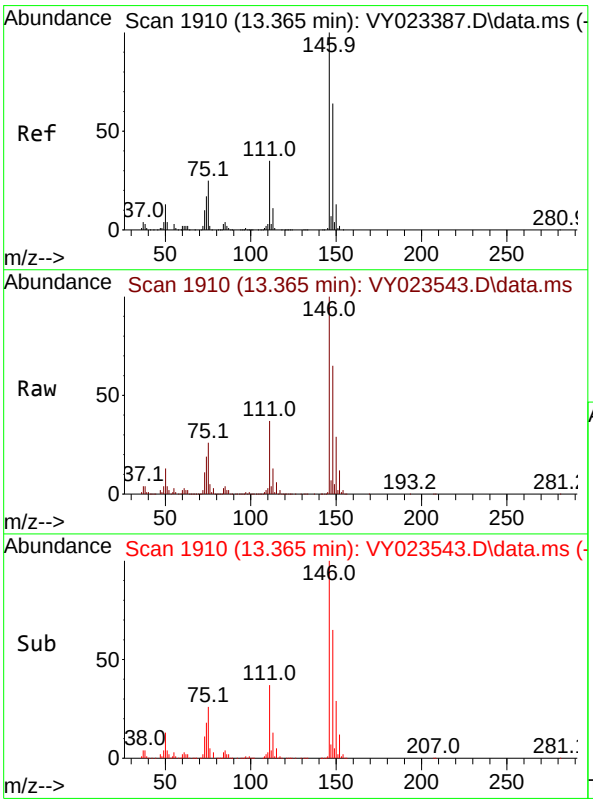
Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	64.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

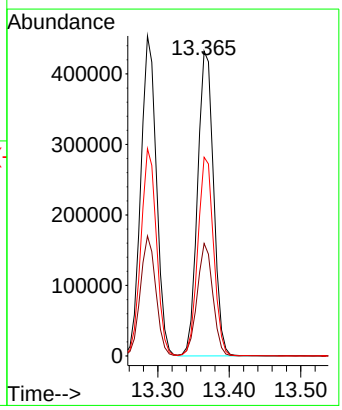
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

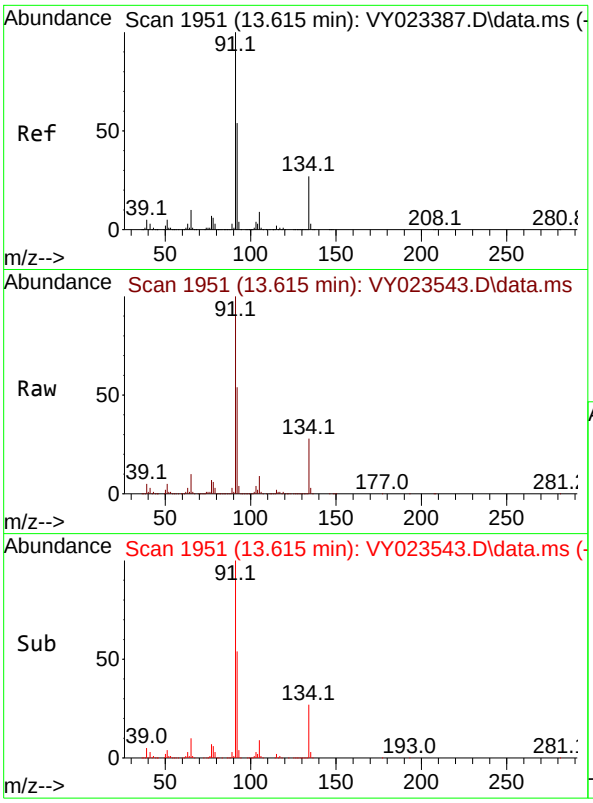


#88
1,4-Dichlorobenzene
Concen: 53.362 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:146 Resp: 671095

Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.0	54.0
148	64.6	31.9	95.7

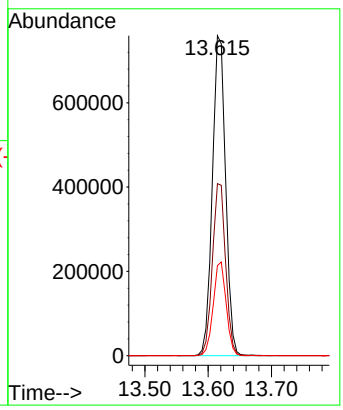




#89
n-Butylbenzene
Concen: 56.385 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 91 Resp: 110118

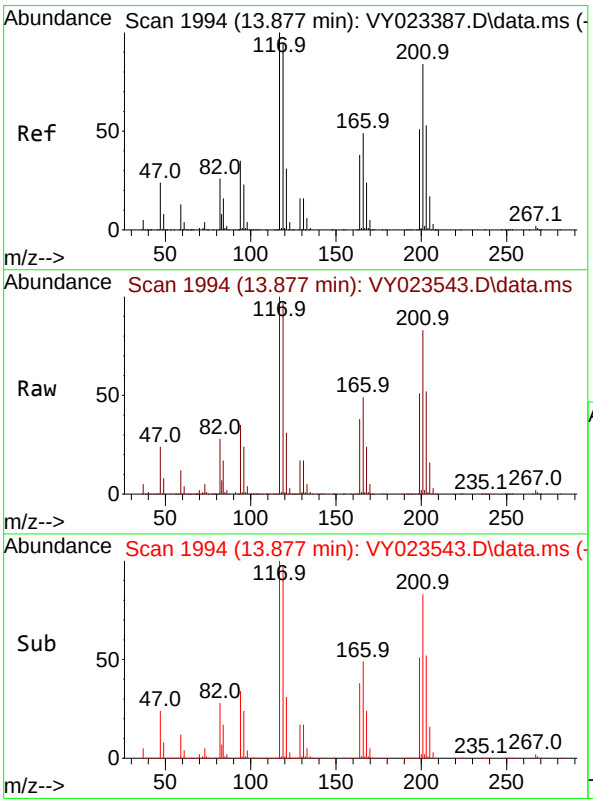
Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.0	80.8
134	28.7	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

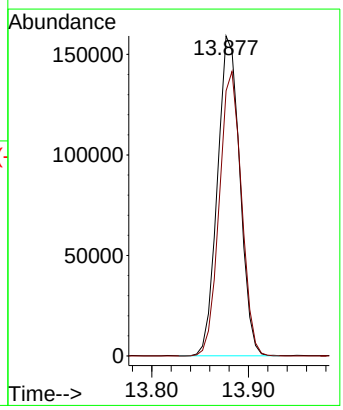
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

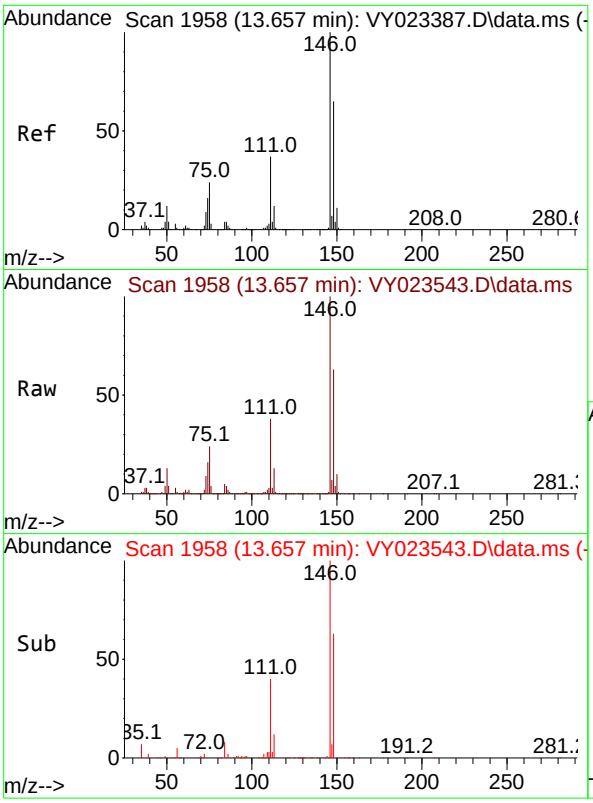


#90
Hexachloroethane
Concen: 52.984 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:117 Resp: 255425

Ion	Ratio	Lower	Upper
117	100		
201	87.8	43.8	131.4

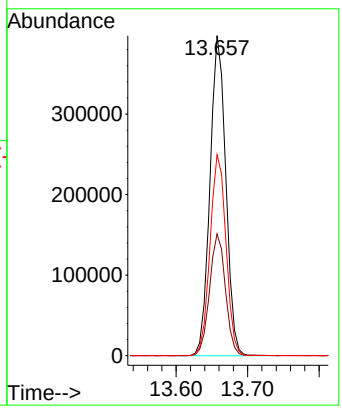




#91
1,2-Dichlorobenzene
Concen: 54.613 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:146 Resp: 60968

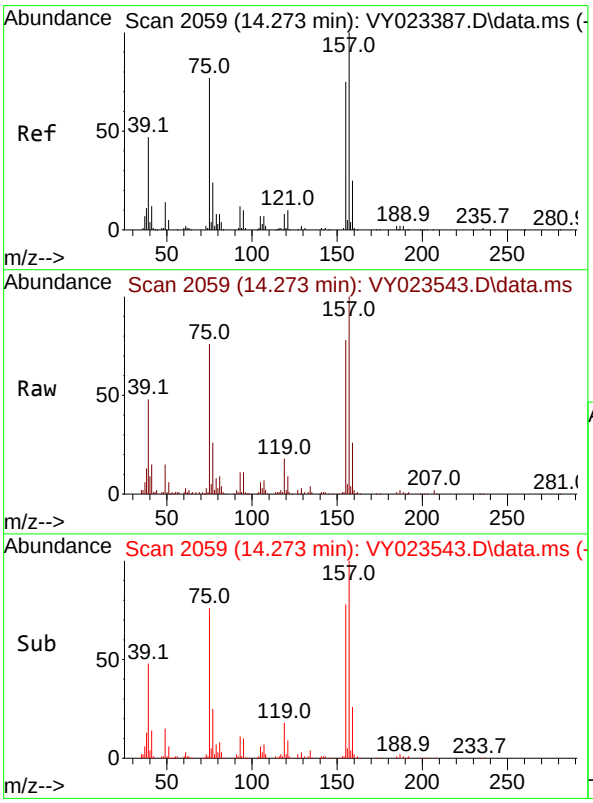
Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	63.6	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

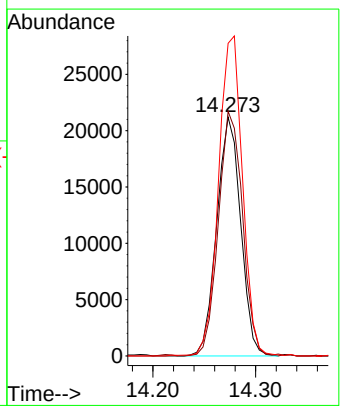
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

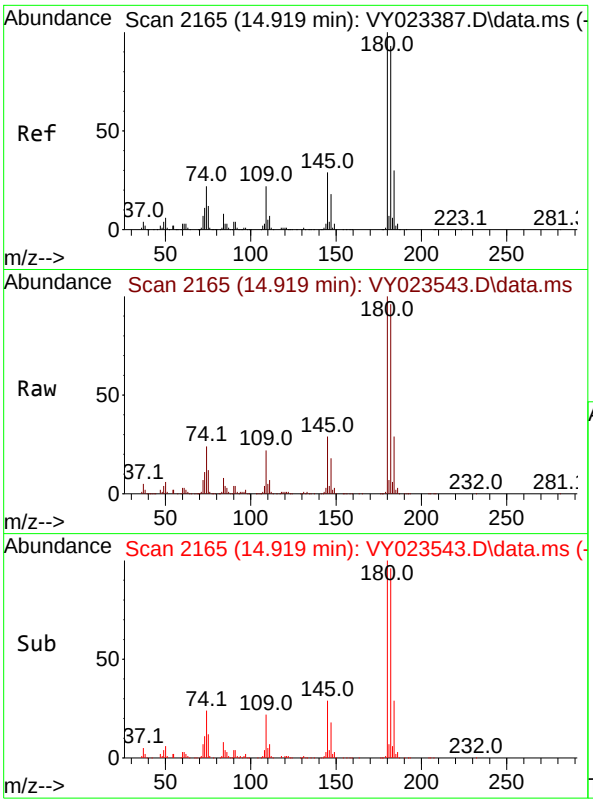


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.910 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion: 75 Resp: 34265

Ion	Ratio	Lower	Upper
75	100		
155	103.1	50.0	150.0
157	134.1	63.8	191.5

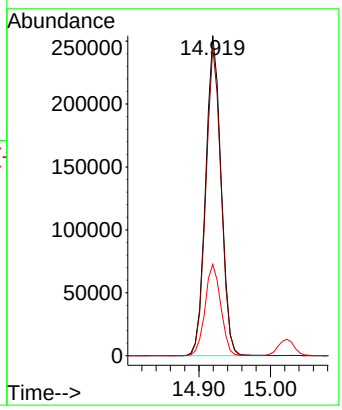




#93
1,2,4-Trichlorobenzene
Concen: 54.674 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:180 Resp: 38051

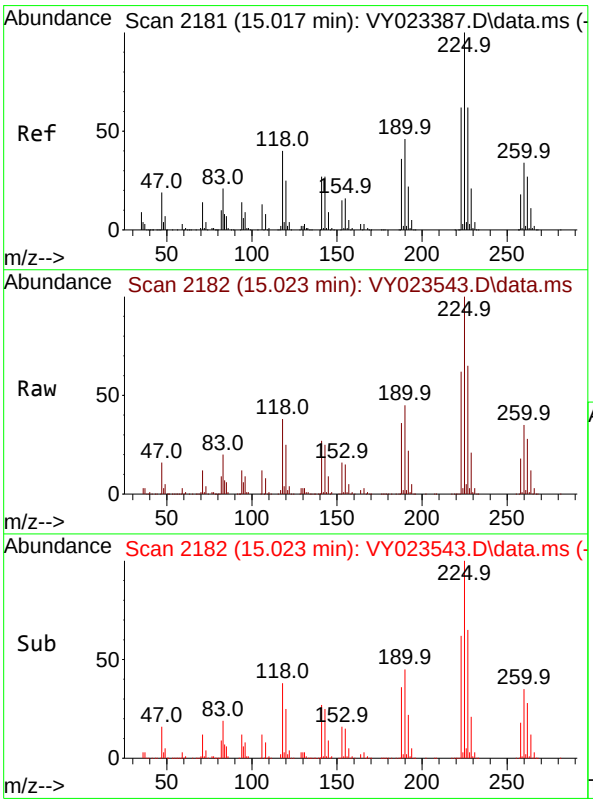
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.6
145	29.1	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

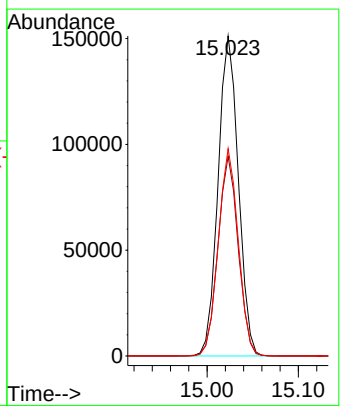
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

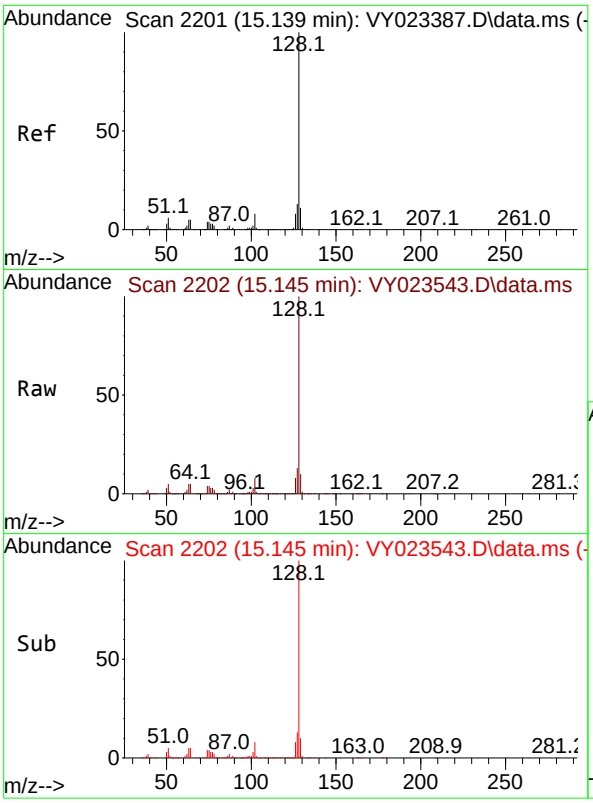


#94
Hexachlorobutadiene
Concen: 53.717 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:225 Resp: 233049

Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.8	92.3
227	63.9	31.9	95.7

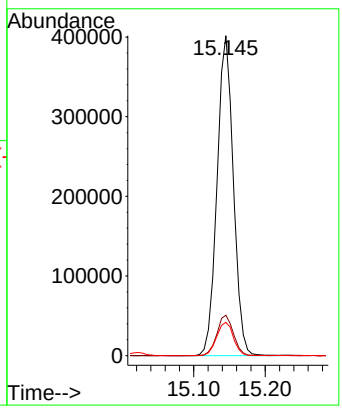




#95
Naphthalene
Concen: 57.452 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:128 Resp: 63672

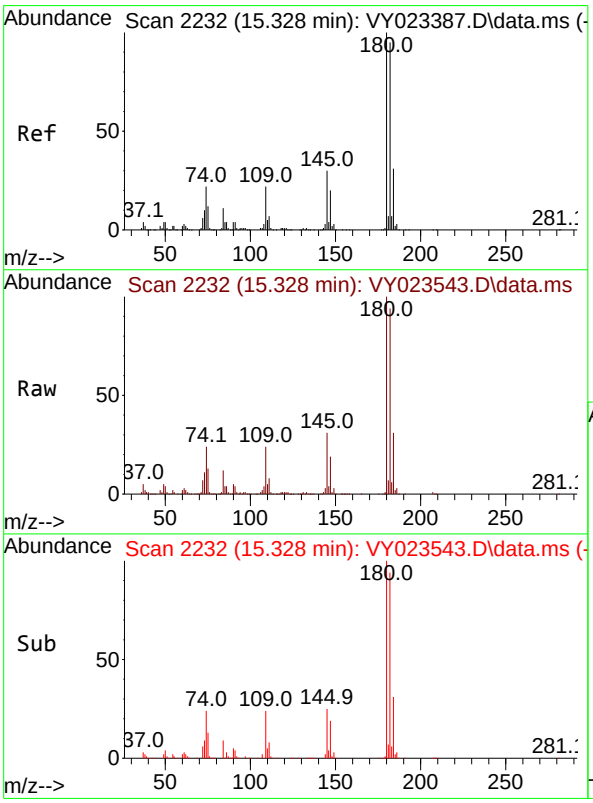
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

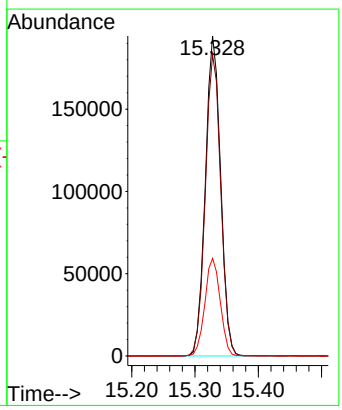
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.237 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023543.D
Acq: 22 Oct 2025 09:30

Tgt Ion:180 Resp: 326959

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	30.8	15.3	45.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
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 02:25:18 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	0.308	14.4	91	0.00
3	P	Chloromethane	0.490	0.409	16.5	86	0.00
4	C	Vinyl Chloride	0.639	0.552	13.6#	87	0.00
5	T	Bromomethane	0.536	0.456	14.9	92	0.00
6	T	Chloroethane	0.435	0.403	7.4	92	0.00
7	T	Trichlorofluoromethane	0.887	0.857	3.4	96	0.00
8	T	Diethyl Ether	0.232	0.233	-0.4	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.460	0.469	-2.0	101	0.00
10	T	Methyl Iodide	0.512	0.612	-19.5	108	0.00
11	T	Tert butyl alcohol	0.031	0.031	0.0	118	0.00
12	CM	1,1-Dichloroethene	0.446	0.456	-2.2#	101	0.00
13	T	Acrolein	0.044	0.014	68.2#	31#	0.00
14	T	Allyl chloride	0.544	0.522	4.0	94	0.00
15	T	Acrylonitrile	0.089	0.089	0.0	103	0.00
16	T	Acetone	0.100	0.096	4.0	108	0.00
17	T	Carbon Disulfide	1.277	1.206	5.6	93	0.00
18	T	Methyl Acetate	0.261	0.294	-12.6	113	0.00
19	T	Methyl tert-butyl Ether	1.072	1.142	-6.5	106	0.00
20	T	Methylene Chloride	0.538	0.496	7.8	102	0.00
21	T	trans-1,2-Dichloroethene	0.491	0.510	-3.9	103	0.00
22	T	Diisopropyl ether	1.202	1.215	-1.1	99	0.00
23	T	Vinyl Acetate	0.651	0.630	3.2	95	0.00
24	P	1,1-Dichloroethane	0.796	0.815	-2.4	101	0.00
25	T	2-Butanone	0.122	0.118	3.3	106	0.00
26	T	2,2-Dichloropropane	0.731	0.768	-5.1	103	0.00
27	T	cis-1,2-Dichloroethene	0.567	0.611	-7.8	106	0.00
28	T	Bromochloromethane	0.297	0.257	13.5	91	0.00
29	T	Tetrahydrofuran	0.069	0.066	4.3	99	0.00
30	C	Chloroform	0.875	0.928	-6.1#	105	0.00
31	T	Cyclohexane	0.696	0.650	6.6	96	0.00
32	T	1,1,1-Trichloroethane	0.795	0.839	-5.5	103	0.00
33	S	1,2-Dichloroethane-d4	0.418	0.381	8.9	92	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.307	0.307	0.0	97	0.00
36	T	1,1-Dichloropropene	0.407	0.427	-4.9	101	0.00
37	T	Ethyl Acetate	0.161	0.158	1.9	99	0.01
38	T	Carbon Tetrachloride	0.493	0.522	-5.9	102	0.00
39	T	Methylcyclohexane	0.530	0.561	-5.8	100	0.00
40	TM	Benzene	1.288	1.371	-6.4	102	0.00
41	T	Methacrylonitrile	0.087	0.084	3.4	99	0.00
42	TM	1,2-Dichloroethane	0.332	0.340	-2.4	102	0.00
43	T	Isopropyl Acetate	0.321	0.322	-0.3	100	0.00
44	TM	Trichloroethene	0.377	0.411	-9.0	105	0.00
45	C	1,2-Dichloropropane	0.285	0.303	-6.3#	104	0.00
46	T	Dibromomethane	0.180	0.196	-8.9	106	0.00
47	T	Bromodichloromethane	0.453	0.487	-7.5	104	0.00
48	T	Methyl methacrylate	0.151	0.156	-3.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
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 02:25:18 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	103	0.00
50	S	Toluene-d8	1.144	1.136	0.7	94	0.00
51	T	4-Methyl-2-Pentanone	0.166	0.175	-5.4	103	0.00
52	CM	Toluene	0.836	0.926	-10.8#	105	0.00
53	T	t-1,3-Dichloropropene	0.394	0.433	-9.9	106	0.00
54	T	cis-1,3-Dichloropropene	0.465	0.509	-9.5	105	0.00
55	T	1,1,2-Trichloroethane	0.242	0.264	-9.1	107	0.00
56	T	Ethyl methacrylate	0.279	0.324	-16.1	109	0.00
57	T	1,3-Dichloropropane	0.383	0.419	-9.4	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.125	0.142	-13.6	104	0.00
59	T	2-Hexanone	0.119	0.129	-8.4	108	0.00
60	T	Dibromochloromethane	0.339	0.377	-11.2	108	0.00
61	T	1,2-Dibromoethane	0.231	0.255	-10.4	107	0.00
62	S	4-Bromofluorobenzene	0.378	0.382	-1.1	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.516	0.580	-12.4	106	0.00
65	PM	Chlorobenzene	1.087	1.168	-7.5	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.421	-8.5	108	0.00
67	C	Ethyl Benzene	1.760	1.922	-9.2#	104	0.00
68	T	m/p-Xylenes	0.706	0.784	-11.0	105	0.00
69	T	o-Xylene	0.662	0.739	-11.6	106	0.00
70	T	Styrene	1.089	1.228	-12.8	106	0.00
71	P	Bromoform	0.240	0.264	-10.0	110	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.295	3.699	-12.3	106	0.00
74	T	N-amyl acetate	0.592	0.607	-2.5	99	0.00
75	P	1,1,2,2-Tetrachloroethane	0.539	0.562	-4.3	107	0.00
76	T	1,2,3-Trichloropropane	0.441	0.443	-0.5	97	0.00
77	T	Bromobenzene	0.876	0.952	-8.7	107	0.00
78	T	n-propylbenzene	3.813	4.280	-12.2	105	0.00
79	T	2-Chlorotoluene	2.233	2.440	-9.3	104	0.00
80	T	1,3,5-Trimethylbenzene	2.663	3.010	-13.0	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.180	0.200	-11.1	113	0.00
82	T	4-Chlorotoluene	2.300	2.512	-9.2	105	0.00
83	T	tert-Butylbenzene	2.458	2.779	-13.1	105	0.00
84	T	1,2,4-Trimethylbenzene	2.657	2.997	-12.8	105	0.00
85	T	sec-Butylbenzene	3.527	3.985	-13.0	106	0.00
86	T	p-Isopropyltoluene	3.003	3.436	-14.4	106	0.00
87	T	1,3-Dichlorobenzene	1.706	1.845	-8.1	106	0.00
88	T	1,4-Dichlorobenzene	1.685	1.798	-6.7	105	0.00
89	T	n-Butylbenzene	2.616	2.950	-12.8	105	0.00
90	T	Hexachloroethane	0.646	0.684	-5.9	104	0.00
91	T	1,2-Dichlorobenzene	1.496	1.634	-9.2	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.088	0.092	-4.5	105	0.00
93	T	1,2,4-Trichlorobenzene	0.932	1.020	-9.4	106	0.00
94	T	Hexachlorobutadiene	0.581	0.624	-7.4	103	0.00
95	T	Naphthalene	1.485	1.706	-14.9	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
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 02:25:18 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	0.876	-8.4	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
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 02:25:18 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	42.840	14.3	91	0.00
3	P	Chloromethane	50.000	41.760	16.5	86	0.00
4	C	Vinyl Chloride	50.000	43.199	13.6#	87	0.00
5	T	Bromomethane	50.000	42.551	14.9	92	0.00
6	T	Chloroethane	50.000	46.306	7.4	92	0.00
7	T	Trichlorofluoromethane	50.000	48.307	3.4	96	0.00
8	T	Diethyl Ether	50.000	50.281	-0.6	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.922	-1.8	101	0.00
10	T	Methyl Iodide	50.000	59.772	-19.5	108	0.00
11	T	Tert butyl alcohol	250.000	250.315	-0.1	118	0.00
12	CM	1,1-Dichloroethene	50.000	51.086	-2.2#	101	0.00
13	T	Acrolein	250.000	79.353	68.3#	31	0.00
14	T	Allyl chloride	50.000	48.025	4.0	94	0.00
15	T	Acrylonitrile	250.000	251.312	-0.5	103	0.00
16	T	Acetone	250.000	240.345	3.9	108	0.00
17	T	Carbon Disulfide	50.000	47.232	5.5	93	0.00
18	T	Methyl Acetate	50.000	56.225	-12.5	113	0.00
19	T	Methyl tert-butyl Ether	50.000	53.251	-6.5	106	0.00
20	T	Methylene Chloride	50.000	46.039	7.9	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.921	-3.8	103	0.00
22	T	Diisopropyl ether	50.000	50.537	-1.1	99	0.00
23	T	Vinyl Acetate	250.000	242.046	3.2	95	0.00
24	P	1,1-Dichloroethane	50.000	51.156	-2.3	101	0.00
25	T	2-Butanone	250.000	242.629	2.9	106	0.00
26	T	2,2-Dichloropropane	50.000	52.555	-5.1	103	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.843	-7.7	106	0.00
28	T	Bromochloromethane	50.000	43.243	13.5	91	0.00
29	T	Tetrahydrofuran	250.000	240.938	3.6	99	0.00
30	C	Chloroform	50.000	53.000	-6.0#	105	0.00
31	T	Cyclohexane	50.000	46.762	6.5	96	0.00
32	T	1,1,1-Trichloroethane	50.000	52.741	-5.5	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.615	8.8	92	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	49.924	0.2	97	0.00
36	T	1,1-Dichloropropene	50.000	52.436	-4.9	101	0.00
37	T	Ethyl Acetate	50.000	48.956	2.1	99	0.01
38	T	Carbon Tetrachloride	50.000	52.970	-5.9	102	0.00
39	T	Methylcyclohexane	50.000	52.949	-5.9	100	0.00
40	TM	Benzene	50.000	53.219	-6.4	102	0.00
41	T	Methacrylonitrile	50.000	48.413	3.2	99	0.00
42	TM	1,2-Dichloroethane	50.000	51.247	-2.5	102	0.00
43	T	Isopropyl Acetate	50.000	50.092	-0.2	100	0.00
44	TM	Trichloroethene	50.000	54.528	-9.1	105	0.00
45	C	1,2-Dichloropropane	50.000	53.216	-6.4#	104	0.00
46	T	Dibromomethane	50.000	54.359	-8.7	106	0.00
47	T	Bromodichloromethane	50.000	53.731	-7.5	104	0.00
48	T	Methyl methacrylate	50.000	51.729	-3.5	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
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 02:25:18 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	1042.410	-4.2	103	0.00
50	S	Toluene-d8	50.000	49.624	0.8	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	263.542	-5.4	103	0.00
52	CM	Toluene	50.000	55.380	-10.8#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	54.901	-9.8	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.701	-9.4	105	0.00
55	T	1,1,2-Trichloroethane	50.000	54.478	-9.0	107	0.00
56	T	Ethyl methacrylate	50.000	57.967	-15.9	109	0.00
57	T	1,3-Dichloropropane	50.000	54.594	-9.2	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.845	-13.9	104	0.00
59	T	2-Hexanone	250.000	271.019	-8.4	108	0.00
60	T	Dibromochloromethane	50.000	55.647	-11.3	108	0.00
61	T	1,2-Dibromoethane	50.000	55.233	-10.5	107	0.00
62	S	4-Bromofluorobenzene	50.000	50.517	-1.0	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	56.127	-12.3	106	0.00
65	PM	Chlorobenzene	50.000	53.721	-7.4	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.255	-8.5	108	0.00
67	C	Ethyl Benzene	50.000	54.584	-9.2#	104	0.00
68	T	m/p-Xylenes	100.000	110.980	-11.0	105	0.00
69	T	o-Xylene	50.000	55.814	-11.6	106	0.00
70	T	Styrene	50.000	56.380	-12.8	106	0.00
71	P	Bromoform	50.000	54.947	-9.9	110	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	56.129	-12.3	106	0.00
74	T	N-amyl acetate	50.000	51.252	-2.5	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.112	-4.2	107	0.00
76	T	1,2,3-Trichloropropane	50.000	50.178	-0.4	97	0.00
77	T	Bromobenzene	50.000	54.338	-8.7	107	0.00
78	T	n-propylbenzene	50.000	56.123	-12.2	105	0.00
79	T	2-Chlorotoluene	50.000	54.637	-9.3	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.518	-13.0	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.547	-11.1	113	0.00
82	T	4-Chlorotoluene	50.000	54.609	-9.2	105	0.00
83	T	tert-Butylbenzene	50.000	56.518	-13.0	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.397	-12.8	105	0.00
85	T	sec-Butylbenzene	50.000	56.506	-13.0	106	0.00
86	T	p-Isopropyltoluene	50.000	57.215	-14.4	106	0.00
87	T	1,3-Dichlorobenzene	50.000	54.089	-8.2	106	0.00
88	T	1,4-Dichlorobenzene	50.000	53.362	-6.7	105	0.00
89	T	n-Butylbenzene	50.000	56.385	-12.8	105	0.00
90	T	Hexachloroethane	50.000	52.984	-6.0	104	0.00
91	T	1,2-Dichlorobenzene	50.000	54.613	-9.2	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.910	-3.8	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.674	-9.3	106	0.00
94	T	Hexachlorobutadiene	50.000	53.717	-7.4	103	0.00
95	T	Naphthalene	50.000	57.452	-14.9	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023543.D
Acq On : 22 Oct 2025 09:30
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 02:25:18 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	54.237	-8.5	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

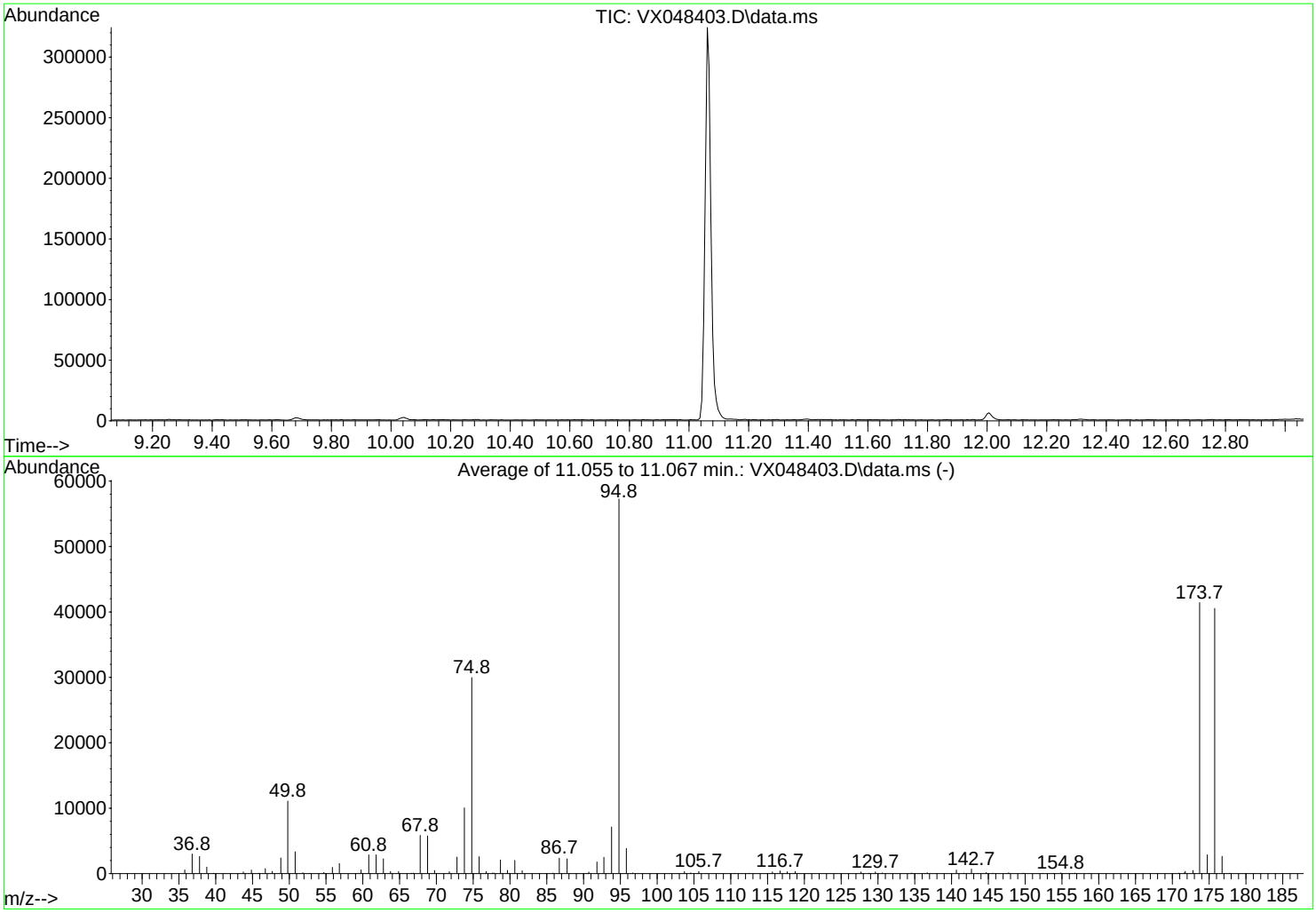
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048403.D
Acq On : 29 Oct 2025 08:39
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Title : SW846 8260
Last Update : Thu Oct 30 02:37:17 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

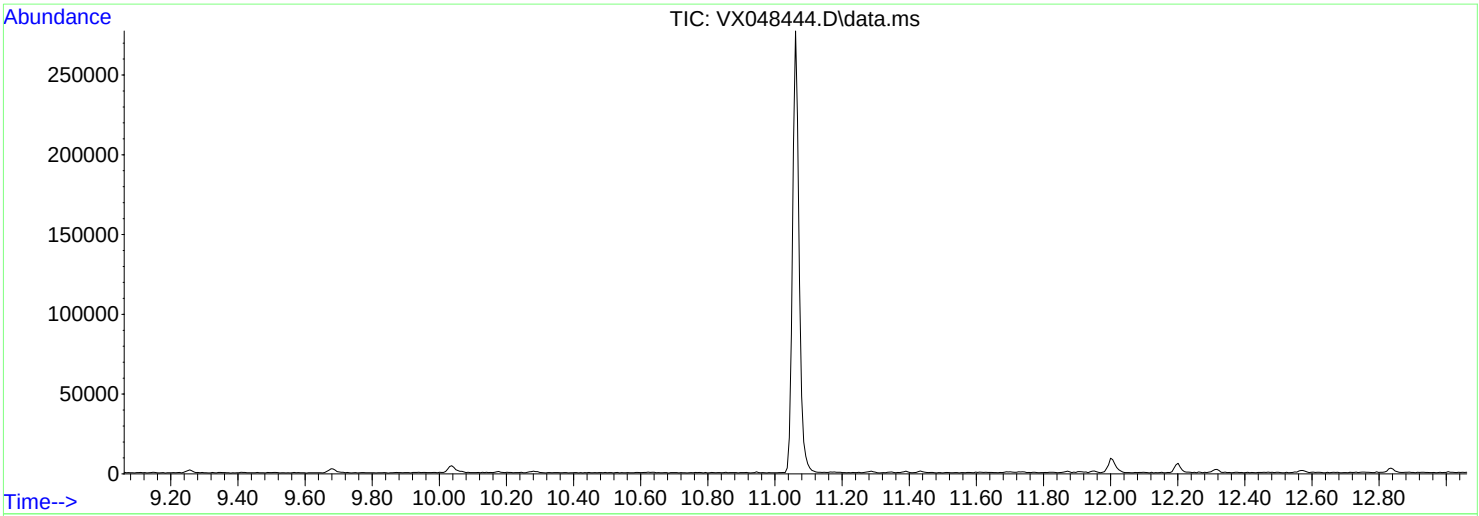
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	11086	PASS
75	95	30	60	52.3	29963	PASS
95	95	100	100	100.0	57264	PASS
96	95	5	9	6.7	3850	PASS
173	174	0.00	2	1.2	488	PASS
174	95	50	100	72.3	41416	PASS
175	174	5	9	6.9	2874	PASS
176	174	95	101	97.9	40528	PASS
177	176	5	9	6.5	2647	PASS

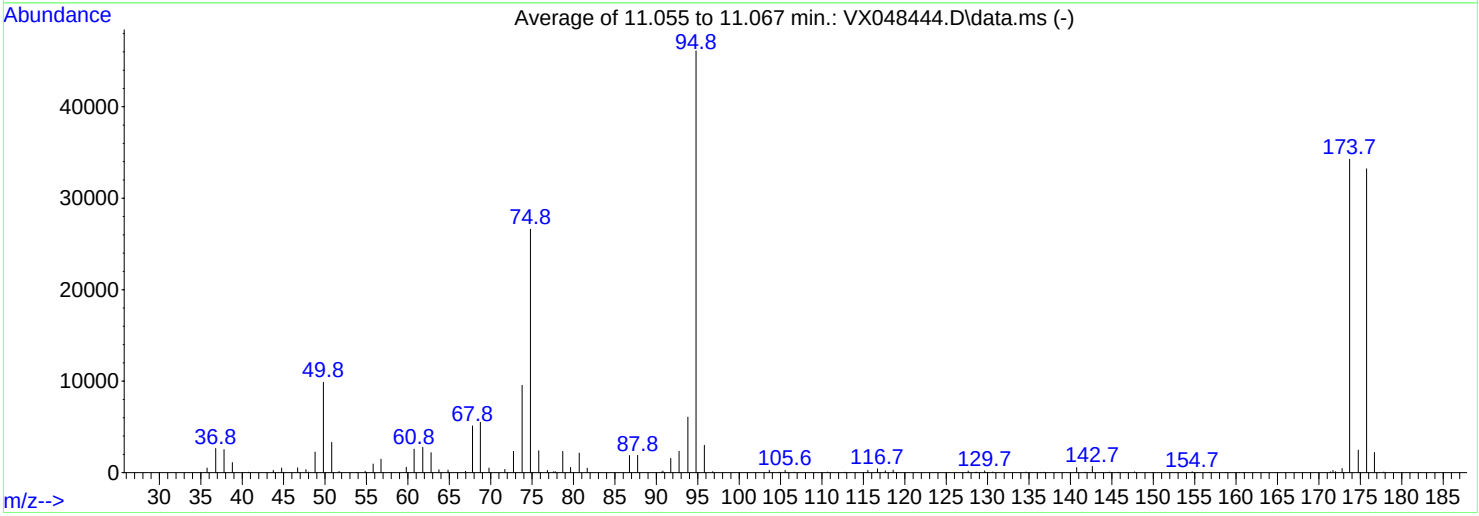
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048444.D
Acq On : 03 Nov 2025 08:20
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Title : SW846 8260
Last Update : Thu Oct 30 02:37:17 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

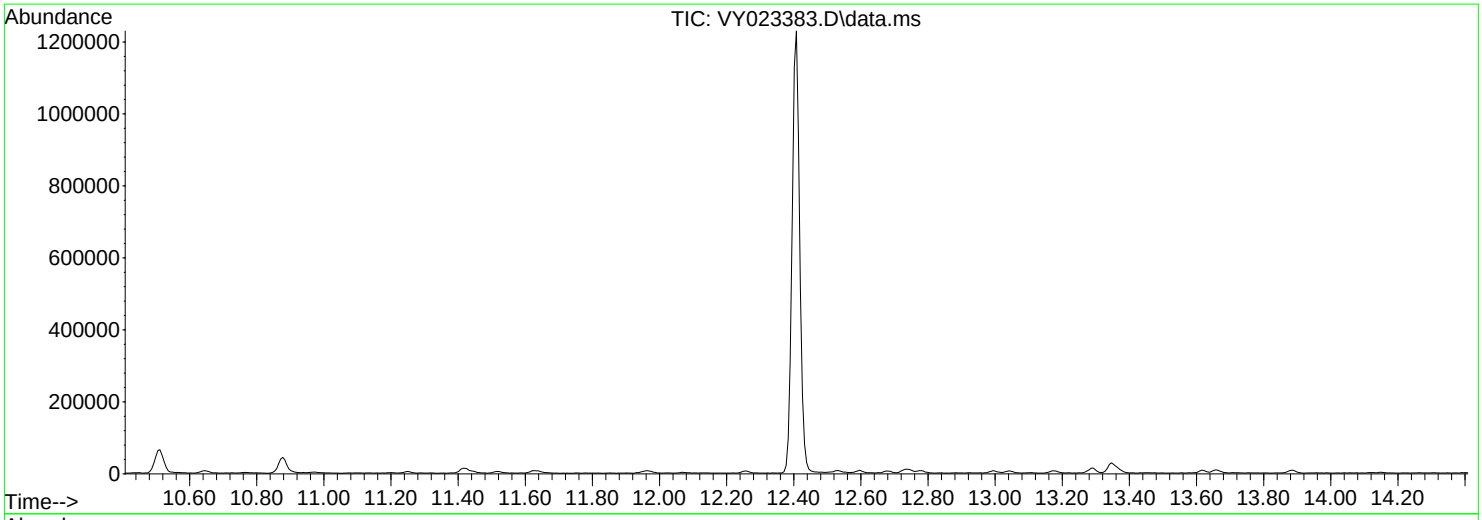
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	9885	PASS
75	95	30	60	57.7	26600	PASS
95	95	100	100	100.0	46112	PASS
96	95	5	9	6.5	2992	PASS
173	174	0.00	2	1.3	456	PASS
174	95	50	100	74.3	34275	PASS
175	174	5	9	7.2	2472	PASS
176	174	95	101	96.9	33221	PASS
177	176	5	9	6.6	2196	PASS

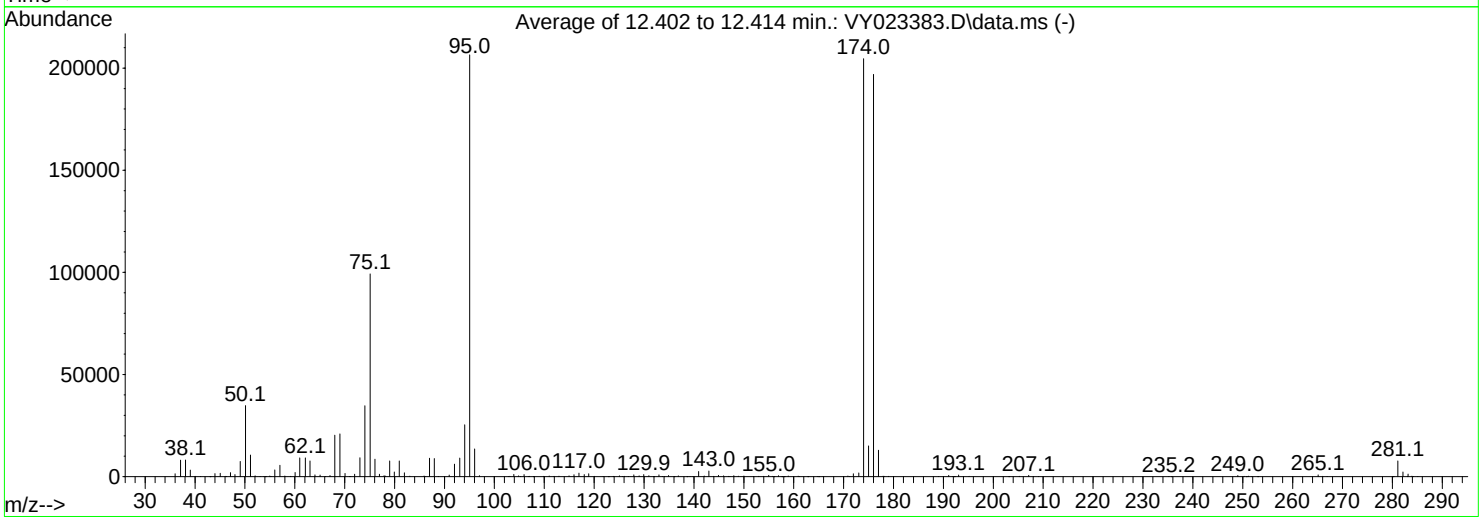
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
Data File : VY023383.D
Acq On : 07 Oct 2025 08:43
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

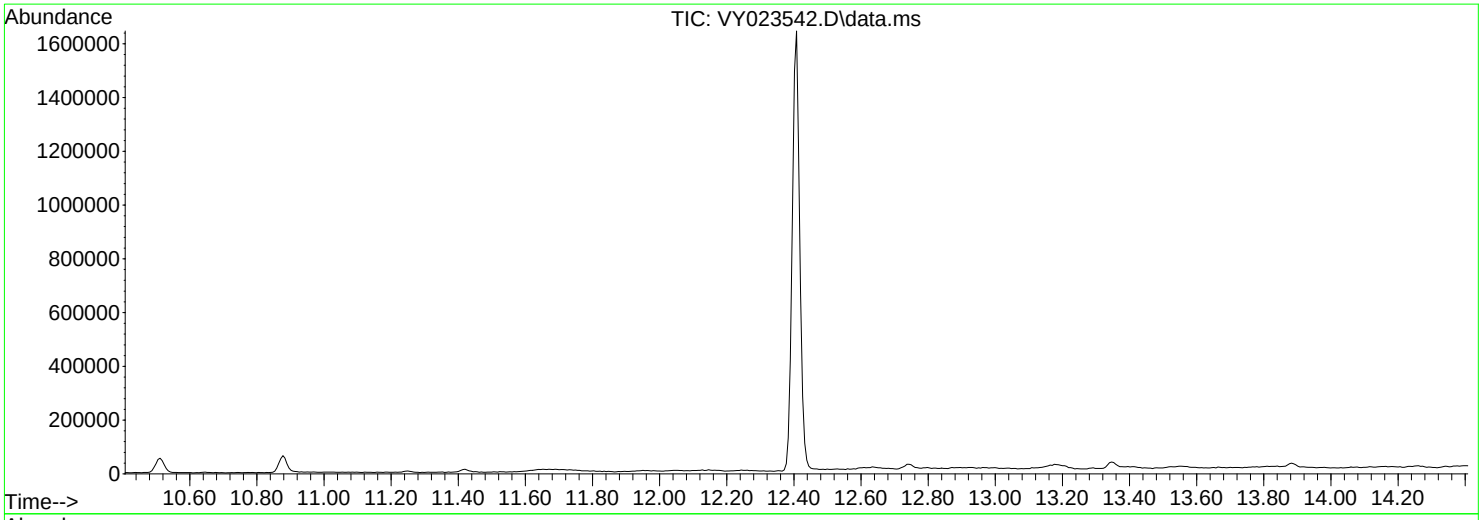
Sample Results: **VY023542.D**

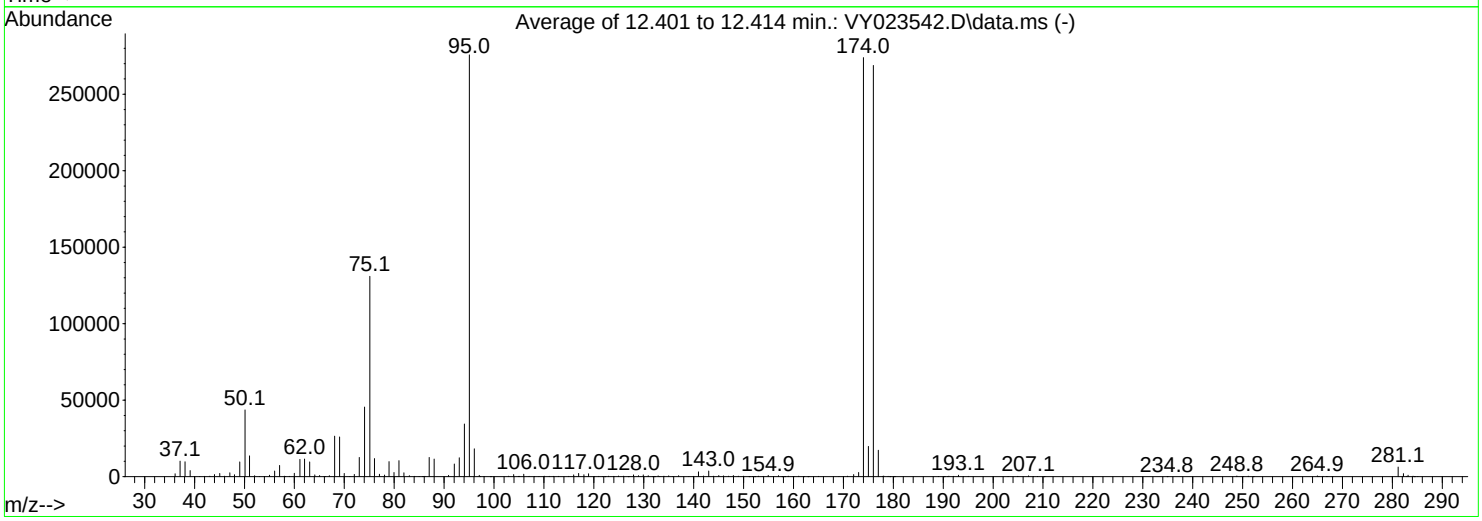
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023542.D
Acq On : 22 Oct 2025 09:00
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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	15.8	43632	PASS
75	95	30	60	47.5	130976	PASS
95	95	100	100	100.0	275756	PASS
96	95	5	9	6.6	18234	PASS
173	174	0.00	2	1.0	2756	PASS
174	95	50	100	99.3	273941	PASS
175	174	5	9	7.2	19793	PASS
176	174	95	101	98.2	268885	PASS
177	176	5	9	6.4	17309	PASS

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:	VX1103WBL01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBL01	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	11/03/25 11:25	VX110325
74-87-3	Chloromethane	1.00	U	1	0.32	1.00	ug/L	11/03/25 11:25	VX110325
75-01-4	Vinyl Chloride	1.00	U	1	0.26	1.00	ug/L	11/03/25 11:25	VX110325
74-83-9	Bromomethane	5.00	U	1	1.40	5.00	ug/L	11/03/25 11:25	VX110325
75-00-3	Chloroethane	1.00	U	1	0.47	1.00	ug/L	11/03/25 11:25	VX110325
75-69-4	Trichlorofluoromethane	1.00	U	1	0.33	1.00	ug/L	11/03/25 11:25	VX110325
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	0.25	1.00	ug/L	11/03/25 11:25	VX110325
75-35-4	1,1-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 11:25	VX110325
67-64-1	Acetone	5.00	U	1	1.50	5.00	ug/L	11/03/25 11:25	VX110325
75-15-0	Carbon Disulfide	1.00	U	1	0.21	1.00	ug/L	11/03/25 11:25	VX110325
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
79-20-9	Methyl Acetate	1.00	U	1	0.27	1.00	ug/L	11/03/25 11:25	VX110325
75-09-2	Methylene Chloride	1.00	U	1	0.28	1.00	ug/L	11/03/25 11:25	VX110325
156-60-5	trans-1,2-Dichloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 11:25	VX110325
75-34-3	1,1-Dichloroethane	1.00	U	1	0.23	1.00	ug/L	11/03/25 11:25	VX110325
110-82-7	Cyclohexane	5.00	U	1	1.50	5.00	ug/L	11/03/25 11:25	VX110325
78-93-3	2-Butanone	5.00	U	1	0.98	5.00	ug/L	11/03/25 11:25	VX110325
56-23-5	Carbon Tetrachloride	1.00	U	1	0.25	1.00	ug/L	11/03/25 11:25	VX110325
156-59-2	cis-1,2-Dichloroethene	1.00	U	1	0.19	1.00	ug/L	11/03/25 11:25	VX110325
74-97-5	Bromochloromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 11:25	VX110325
67-66-3	Chloroform	1.00	U	1	0.25	1.00	ug/L	11/03/25 11:25	VX110325
71-55-6	1,1,1-Trichloroethane	1.00	U	1	0.20	1.00	ug/L	11/03/25 11:25	VX110325
108-87-2	Methylcyclohexane	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
71-43-2	Benzene	1.00	U	1	0.15	1.00	ug/L	11/03/25 11:25	VX110325
107-06-2	1,2-Dichloroethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 11:25	VX110325
79-01-6	Trichloroethene	1.00	U	1	0.090	1.00	ug/L	11/03/25 11:25	VX110325
78-87-5	1,2-Dichloropropane	1.00	U	1	0.20	1.00	ug/L	11/03/25 11:25	VX110325
75-27-4	Bromodichloromethane	1.00	U	1	0.22	1.00	ug/L	11/03/25 11:25	VX110325
108-10-1	4-Methyl-2-Pentanone	5.00	U	1	0.68	5.00	ug/L	11/03/25 11:25	VX110325
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	11/03/25 11:25	VX110325
10061-02-6	t-1,3-Dichloropropene	1.00	U	1	0.17	1.00	ug/L	11/03/25 11:25	VX110325
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
79-00-5	1,1,2-Trichloroethane	1.00	U	1	0.21	1.00	ug/L	11/03/25 11:25	VX110325
591-78-6	2-Hexanone	5.00	U	1	0.89	5.00	ug/L	11/03/25 11:25	VX110325
124-48-1	Dibromochloromethane	1.00	U	1	0.18	1.00	ug/L	11/03/25 11:25	VX110325
106-93-4	1,2-Dibromoethane	1.00	U	1	0.15	1.00	ug/L	11/03/25 11:25	VX110325
127-18-4	Tetrachloroethene	1.00	U	1	0.23	1.00	ug/L	11/03/25 11:25	VX110325
108-90-7	Chlorobenzene	1.00	U	1	0.12	1.00	ug/L	11/03/25 11:25	VX110325
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	11/03/25 11:25	VX110325
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	11/03/25 11:25	VX110325
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	11/03/25 11:25	VX110325
100-42-5	Styrene	1.00	U	1	0.15	1.00	ug/L	11/03/25 11:25	VX110325
75-25-2	Bromoform	1.00	U	1	0.19	1.00	ug/L	11/03/25 11:25	VX110325

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:	VX1103WBL01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBL01	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	11/03/25 11:25	VX110325
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1	0.26	1.00	ug/L	11/03/25 11:25	VX110325
541-73-1	1,3-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
106-46-7	1,4-Dichlorobenzene	1.00	U	1	0.19	1.00	ug/L	11/03/25 11:25	VX110325
95-50-1	1,2-Dichlorobenzene	1.00	U	1	0.16	1.00	ug/L	11/03/25 11:25	VX110325
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	1	0.53	1.00	ug/L	11/03/25 11:25	VX110325
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/03/25 11:25	VX110325
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1	0.20	1.00	ug/L	11/03/25 11:25	VX110325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.7			74 - 125	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	59.8			75 - 124	120%	SPK: 50		
2037-26-5	Toluene-d8	45.5			86 - 113	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			77 - 121	97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	160000							
540-36-3	1,4-Difluorobenzene	268000							
3114-55-4	Chlorobenzene-d5	290000							
3855-82-1	1,4-Dichlorobenzene-d4	117000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048447.D
Acq On : 03 Nov 2025 11:25
Operator : JC/MD
Sample : VX1103WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Quant Time: Nov 04 00:08:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

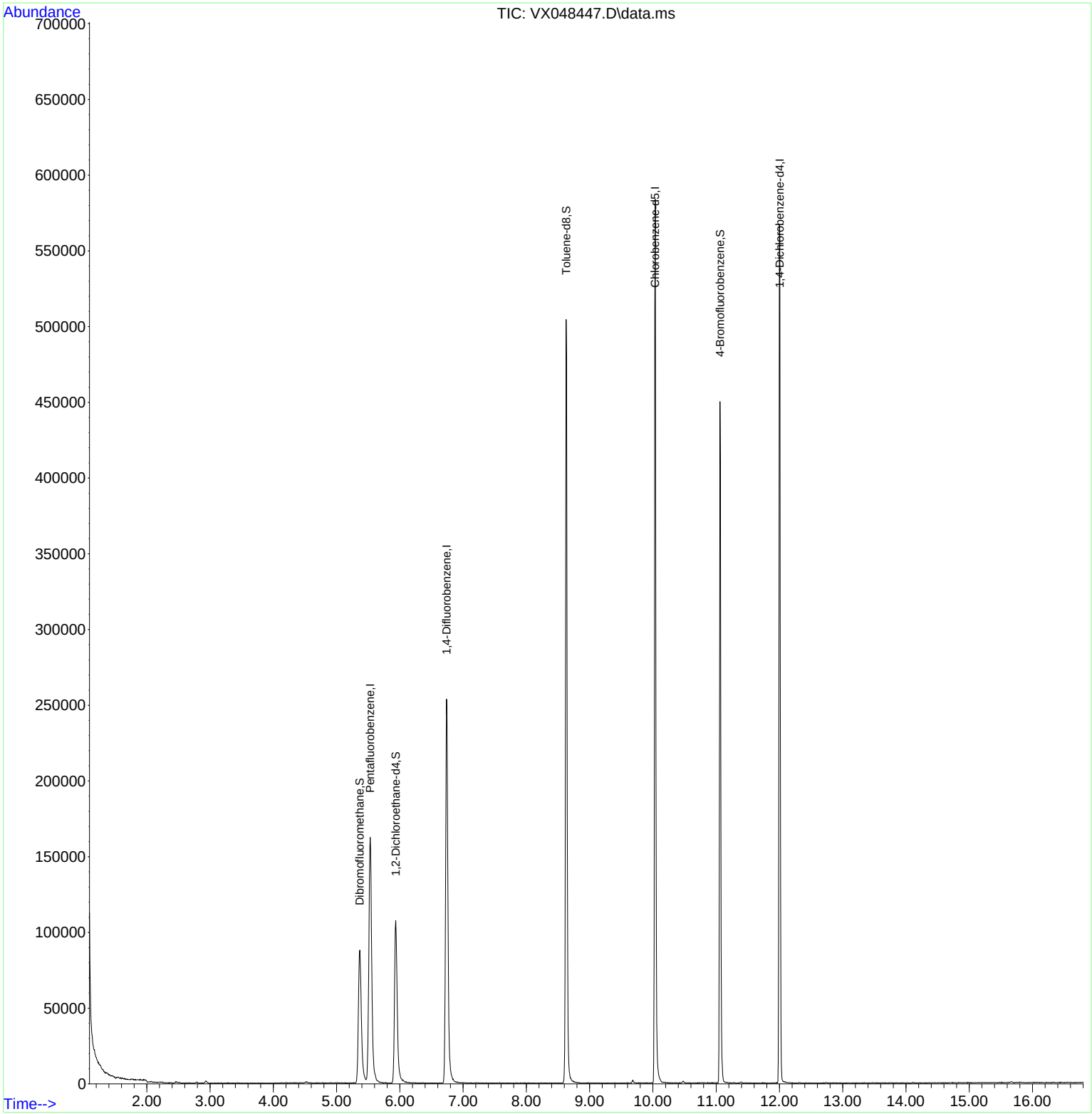
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	160467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	268071	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	290044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	117306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	121597	52.690	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.380%			
35) Dibromofluoromethane	5.367	113	91442	59.830	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.660%			
50) Toluene-d8	8.629	98	306638	45.451	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.900%#			
62) 4-Bromofluorobenzene	11.061	95	122008	48.343	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.680%			
Target Compounds						Qvalue

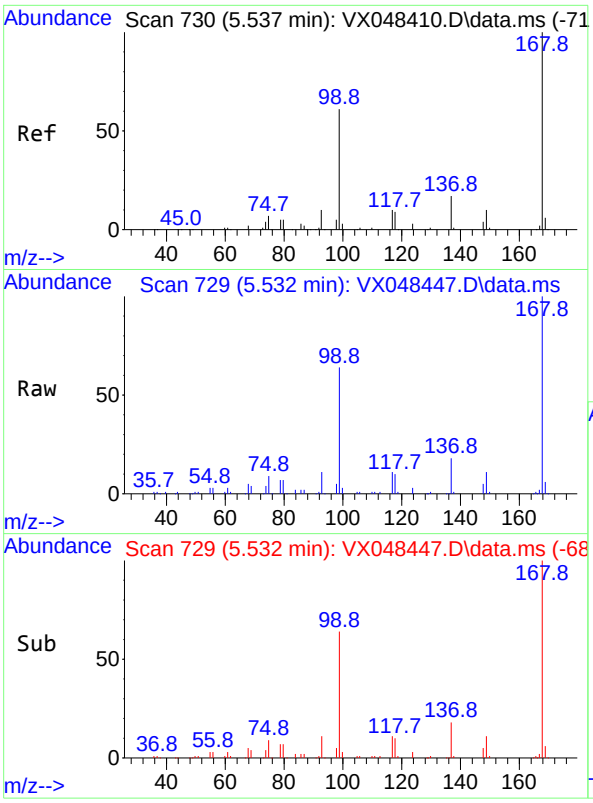
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048447.D
Acq On : 03 Nov 2025 11:25
Operator : JC/MD
Sample : VX1103WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Quant Time: Nov 04 00:08:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration



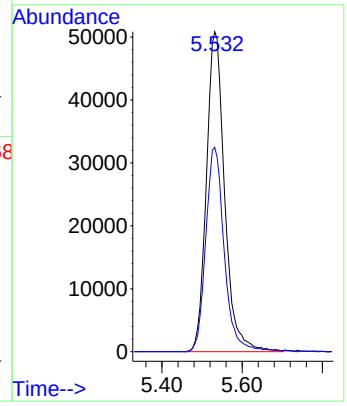


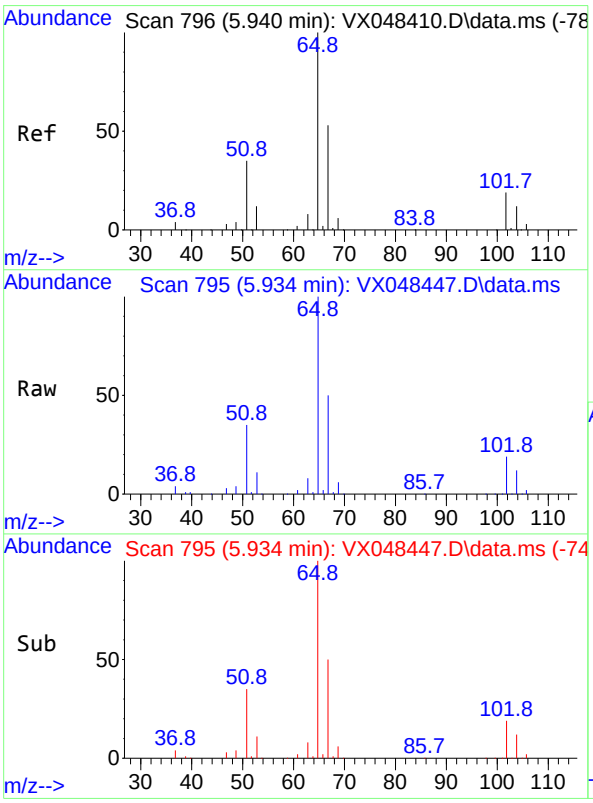
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.005 min
Lab File: VX048447.D
Acq: 03 Nov 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Tgt Ion:168 Resp: 160467

Ion	Ratio	Lower	Upper
168	100		
99	63.9	46.4	69.6

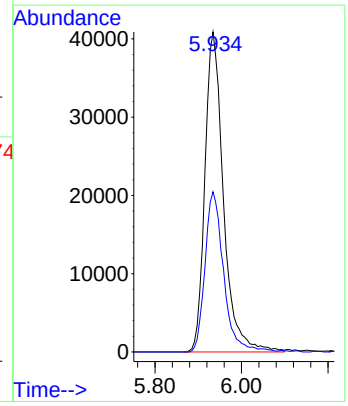


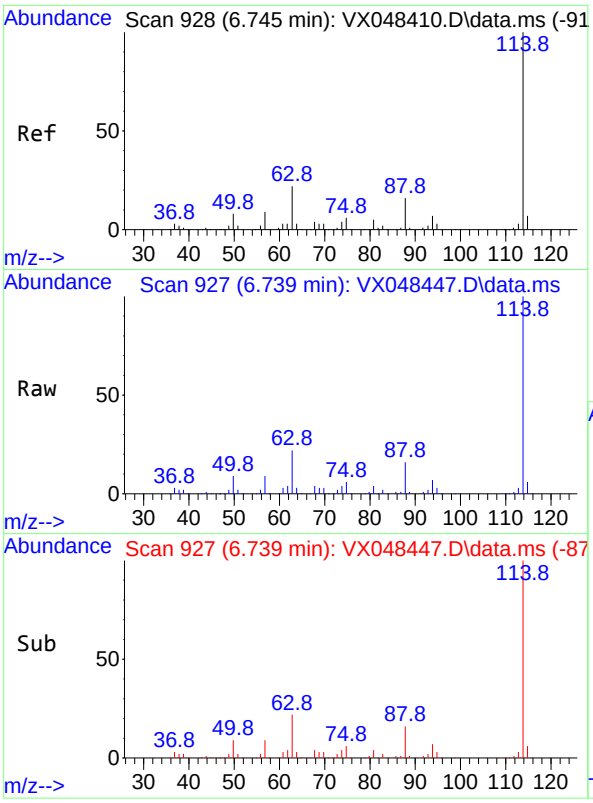


#33
1,2-Dichloroethane-d4
Concen: 52.690 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048447.D
Acq: 03 Nov 2025 11:25

Tgt Ion: 65 Resp: 121597

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	105.0



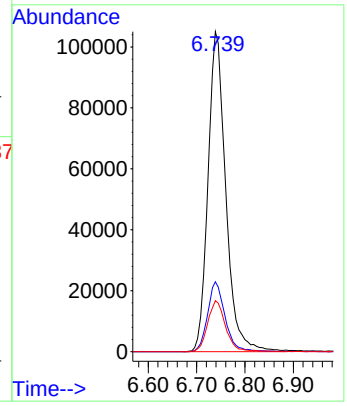


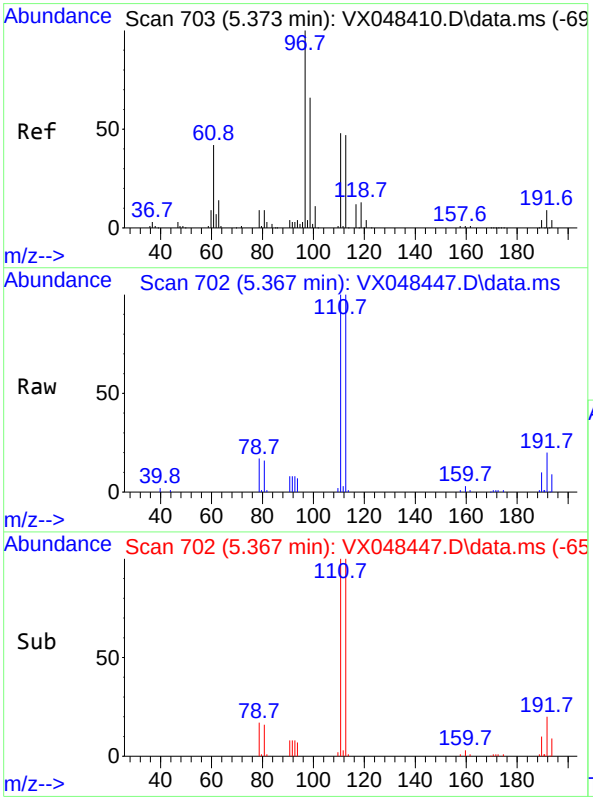
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX048447.D
Acq: 03 Nov 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Tgt Ion:114 Resp: 268071

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	15.9	0.0	33.6

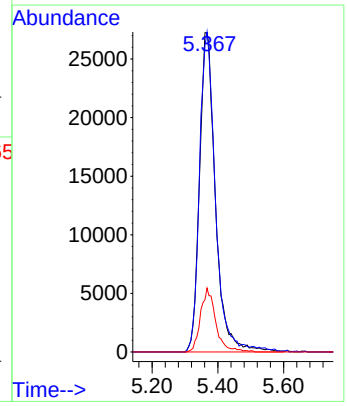


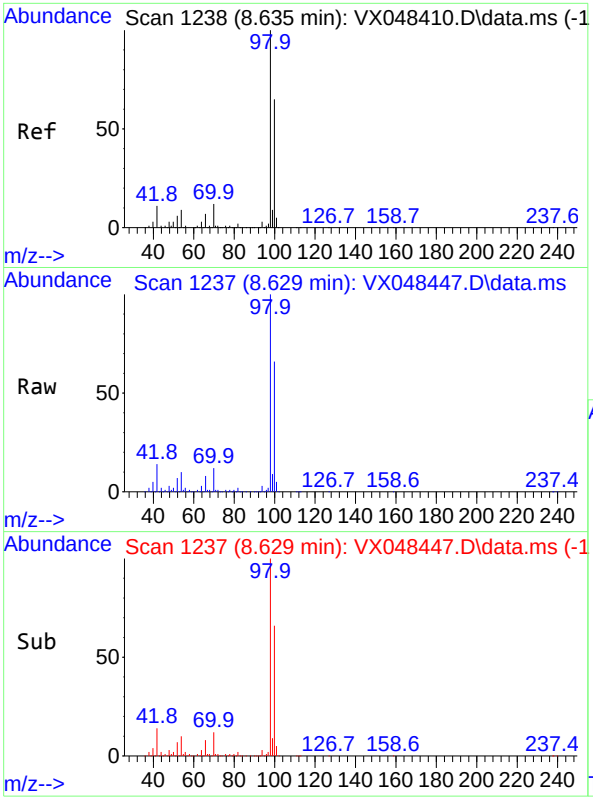


#35
Dibromofluoromethane
Concen: 59.830 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048447.D
Acq: 03 Nov 2025 11:25

Tgt Ion:113 Resp: 91442

Ion	Ratio	Lower	Upper
113	100		
111	98.0	82.2	123.4
192	19.1	15.1	22.7



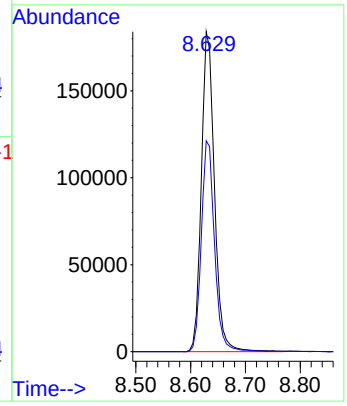


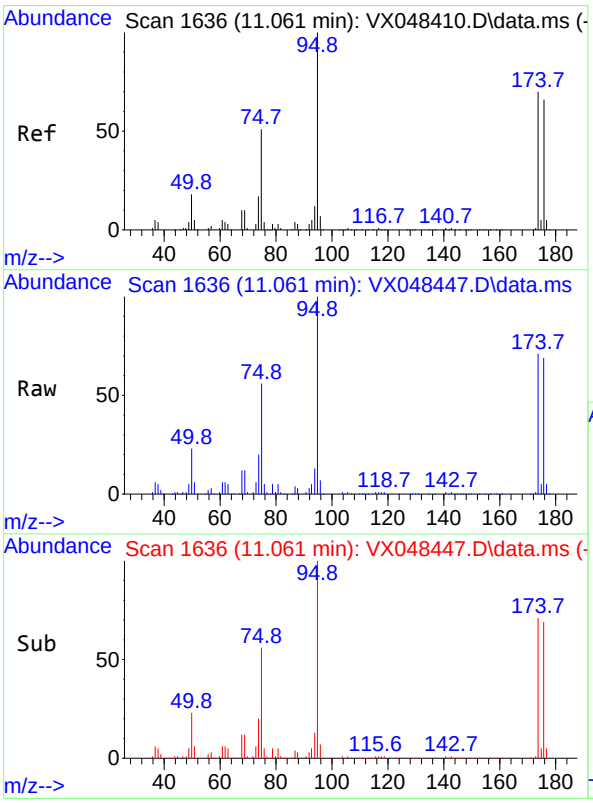
#50
Toluene-d8
Concen: 45.451 ug/l
RT: 8.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048447.D
Acq: 03 Nov 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Tgt Ion: 98 Resp: 306638

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

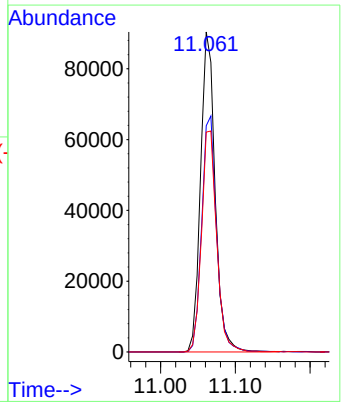


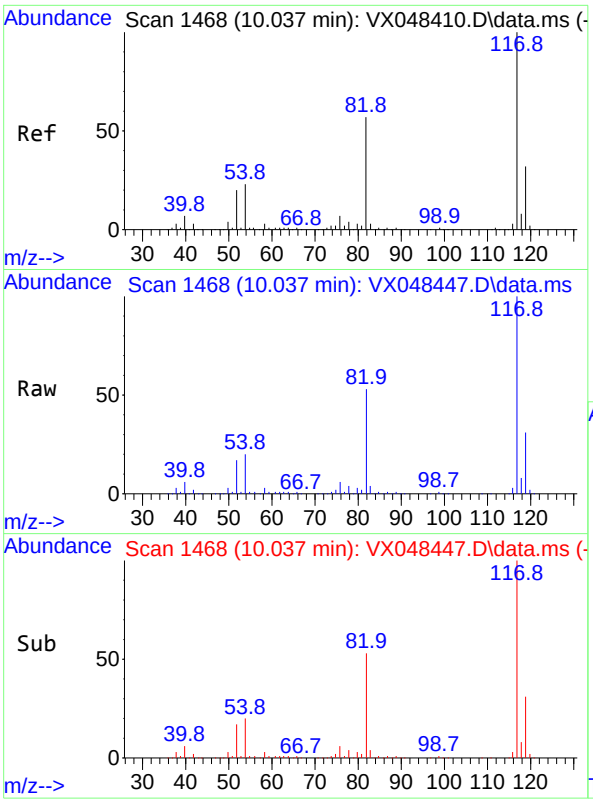


#62
4-Bromofluorobenzene
Concen: 48.343 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048447.D
Acq: 03 Nov 2025 11:25

Tgt Ion: 95 Resp: 122008

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	147.8
176	72.4	0.0	142.8



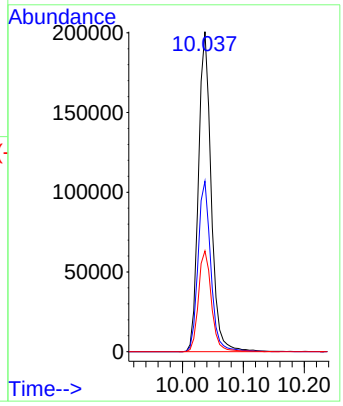


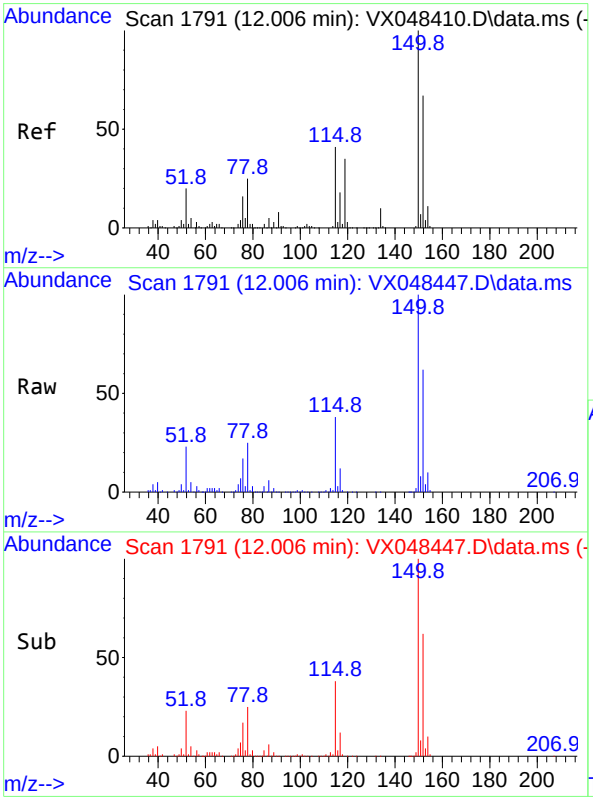
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048447.D
Acq: 03 Nov 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Tgt Ion:117 Resp: 290044

Ion	Ratio	Lower	Upper
117	100		
82	53.3	46.5	69.7
119	31.5	25.9	38.9

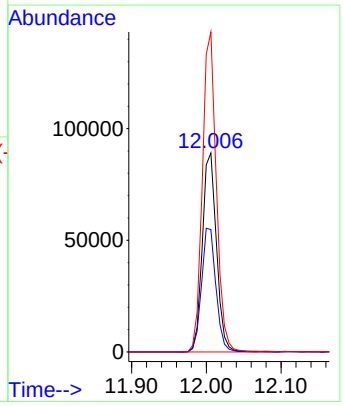




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048447.D
Acq: 03 Nov 2025 11:25

Tgt Ion:152 Resp: 117306

Ion	Ratio	Lower	Upper
152	100		
115	63.2	43.1	129.4
150	158.7	0.0	353.0



Sample Results: **VX048447.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048447.D
Acq On : 03 Nov 2025 11:25
Operator : JC/MD
Sample : VX1103WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Title : SW846 8260

Signal : TIC: VX048447.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.367	691	702	718	rBV3	87843	288324	33.67%	5.974%
2	5.532	718	729	747	rVB	160829	496470	57.98%	10.286%
3	5.934	784	795	812	rBV	107311	317669	37.10%	6.582%
4	6.739	914	927	943	rBV	253654	646527	75.51%	13.395%
5	8.629	1228	1237	1256	rBV	504266	856256	100.00%	17.741%
6	10.037	1462	1468	1488	rBV	583531	855570	99.92%	17.726%
7	11.061	1631	1636	1650	rBV	450089	609421	71.17%	12.627%
8	12.000	1785	1790	1801	rBV	567060	756272	88.32%	15.669%

Sum of corrected areas: 4826509

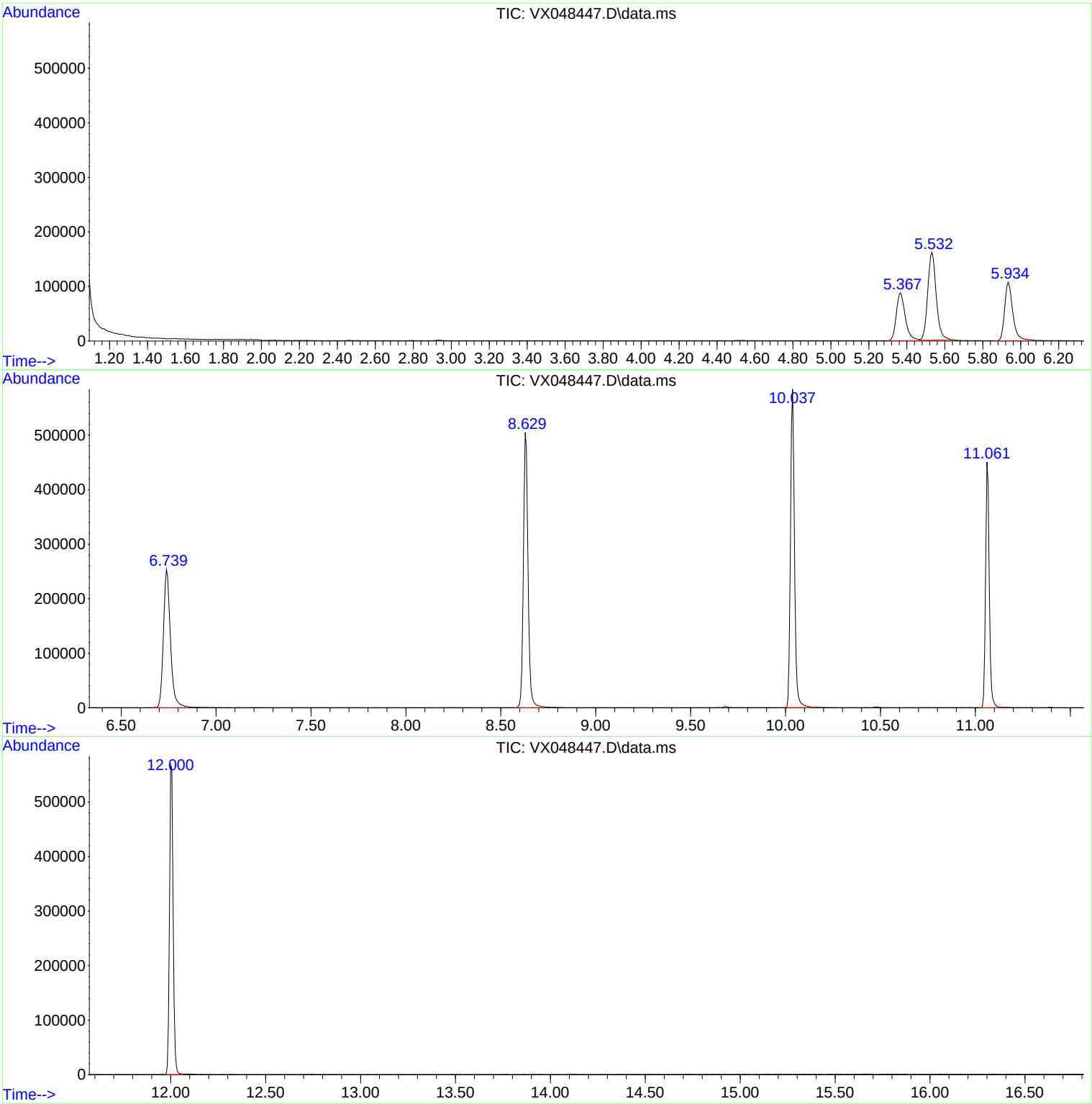
Sample Results: **VX048447.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048447.D
Acq On : 03 Nov 2025 11:25
Operator : JC/MD
Sample : VX1103WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048447.D
Acq On : 03 Nov 2025 11:25
Operator : JC/MD
Sample : VX1103WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048447.D
Acq On : 03 Nov 2025 11:25
Operator : JC/MD
Sample : VX1103WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VY1022SBL01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBL01	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	10/22/25 10:00	VY102225
74-87-3	Chloromethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
75-01-4	Vinyl Chloride	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
74-83-9	Bromomethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
75-00-3	Chloroethane	5.00	U	1	1.30	5.00	ug/Kg	10/22/25 10:00	VY102225
75-69-4	Trichlorofluoromethane	5.00	U	1	1.20	5.00	ug/Kg	10/22/25 10:00	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
75-35-4	1,1-Dichloroethene	5.00	U	1	1.00	5.00	ug/Kg	10/22/25 10:00	VY102225
67-64-1	Acetone	25.0	U	1	4.70	25.0	ug/Kg	10/22/25 10:00	VY102225
75-15-0	Carbon Disulfide	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
1634-04-4	Methyl tert-butyl Ether	5.00	U	1	0.73	5.00	ug/Kg	10/22/25 10:00	VY102225
79-20-9	Methyl Acetate	5.00	U	1	1.50	5.00	ug/Kg	10/22/25 10:00	VY102225
75-09-2	Methylene Chloride	10.0	U	1	3.50	10.0	ug/Kg	10/22/25 10:00	VY102225
156-60-5	trans-1,2-Dichloroethene	5.00	U	1	0.86	5.00	ug/Kg	10/22/25 10:00	VY102225
75-34-3	1,1-Dichloroethane	5.00	U	1	0.80	5.00	ug/Kg	10/22/25 10:00	VY102225
110-82-7	Cyclohexane	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
78-93-3	2-Butanone	25.0	U	1	6.50	25.0	ug/Kg	10/22/25 10:00	VY102225
56-23-5	Carbon Tetrachloride	5.00	U	1	0.97	5.00	ug/Kg	10/22/25 10:00	VY102225
156-59-2	cis-1,2-Dichloroethene	5.00	U	1	0.75	5.00	ug/Kg	10/22/25 10:00	VY102225
74-97-5	Bromochloromethane	5.00	U	1	1.20	5.00	ug/Kg	10/22/25 10:00	VY102225
67-66-3	Chloroform	5.00	U	1	0.84	5.00	ug/Kg	10/22/25 10:00	VY102225
71-55-6	1,1,1-Trichloroethane	5.00	U	1	0.93	5.00	ug/Kg	10/22/25 10:00	VY102225
108-87-2	Methylcyclohexane	5.00	U	1	0.91	5.00	ug/Kg	10/22/25 10:00	VY102225
71-43-2	Benzene	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
107-06-2	1,2-Dichloroethane	5.00	U	1	0.79	5.00	ug/Kg	10/22/25 10:00	VY102225
79-01-6	Trichloroethene	5.00	U	1	0.81	5.00	ug/Kg	10/22/25 10:00	VY102225
78-87-5	1,2-Dichloropropane	5.00	U	1	0.91	5.00	ug/Kg	10/22/25 10:00	VY102225
75-27-4	Bromodichloromethane	5.00	U	1	0.78	5.00	ug/Kg	10/22/25 10:00	VY102225
108-10-1	4-Methyl-2-Pentanone	25.0	U	1	3.60	25.0	ug/Kg	10/22/25 10:00	VY102225
108-88-3	Toluene	5.00	U	1	0.78	5.00	ug/Kg	10/22/25 10:00	VY102225
10061-02-6	t-1,3-Dichloropropene	5.00	U	1	0.65	5.00	ug/Kg	10/22/25 10:00	VY102225
10061-01-5	cis-1,3-Dichloropropene	5.00	U	1	0.62	5.00	ug/Kg	10/22/25 10:00	VY102225
79-00-5	1,1,2-Trichloroethane	5.00	U	1	0.92	5.00	ug/Kg	10/22/25 10:00	VY102225
591-78-6	2-Hexanone	25.0	U	1	3.70	25.0	ug/Kg	10/22/25 10:00	VY102225
124-48-1	Dibromochloromethane	5.00	U	1	0.87	5.00	ug/Kg	10/22/25 10:00	VY102225
106-93-4	1,2-Dibromoethane	5.00	U	1	0.88	5.00	ug/Kg	10/22/25 10:00	VY102225
127-18-4	Tetrachloroethene	5.00	U	1	1.10	5.00	ug/Kg	10/22/25 10:00	VY102225
108-90-7	Chlorobenzene	5.00	U	1	0.91	5.00	ug/Kg	10/22/25 10:00	VY102225
100-41-4	Ethyl Benzene	5.00	U	1	0.67	5.00	ug/Kg	10/22/25 10:00	VY102225
179601-23-1	m/p-Xylenes	10.0	U	1	1.20	10.0	ug/Kg	10/22/25 10:00	VY102225
95-47-6	o-Xylene	5.00	U	1	0.82	5.00	ug/Kg	10/22/25 10:00	VY102225
100-42-5	Styrene	5.00	U	1	0.71	5.00	ug/Kg	10/22/25 10:00	VY102225
75-25-2	Bromoform	5.00	U	1	0.86	5.00	ug/Kg	10/22/25 10:00	VY102225

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:	VY1022SBL01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBL01	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	10/22/25 10:00	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1	1.20	5.00	ug/Kg	10/22/25 10:00	VY102225
541-73-1	1,3-Dichlorobenzene	5.00	U	1	1.70	5.00	ug/Kg	10/22/25 10:00	VY102225
106-46-7	1,4-Dichlorobenzene	5.00	U	1	1.60	5.00	ug/Kg	10/22/25 10:00	VY102225
95-50-1	1,2-Dichlorobenzene	5.00	U	1	1.50	5.00	ug/Kg	10/22/25 10:00	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1	1.80	5.00	ug/Kg	10/22/25 10:00	VY102225
120-82-1	1,2,4-Trichlorobenzene	5.00	U	1	3.00	5.00	ug/Kg	10/22/25 10:00	VY102225
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	3.20	5.00	ug/Kg	10/22/25 10:00	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.3			63 - 155	97%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.8			70 - 134	100%	SPK: 50		
2037-26-5	Toluene-d8	48.6			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.1			17 - 146	82%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	890000							
540-36-3	1,4-Difluorobenzene	1430000							
3114-55-4	Chlorobenzene-d5	1180000							
3855-82-1	1,4-Dichlorobenzene-d4	485000							

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\VY102225\
Data File : VY023544.D
Acq On : 22 Oct 2025 10:00
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Time: Oct 24 02:26:09 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	890059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1434768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1180185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	484557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	359226	48.265	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.520%			
35) Dibromofluoromethane	7.640	113	439107	49.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.620%			
50) Toluene-d8	10.109	98	1595601	48.600	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.200%			
62) 4-Bromofluorobenzene	12.408	95	445110	41.064	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.120%			

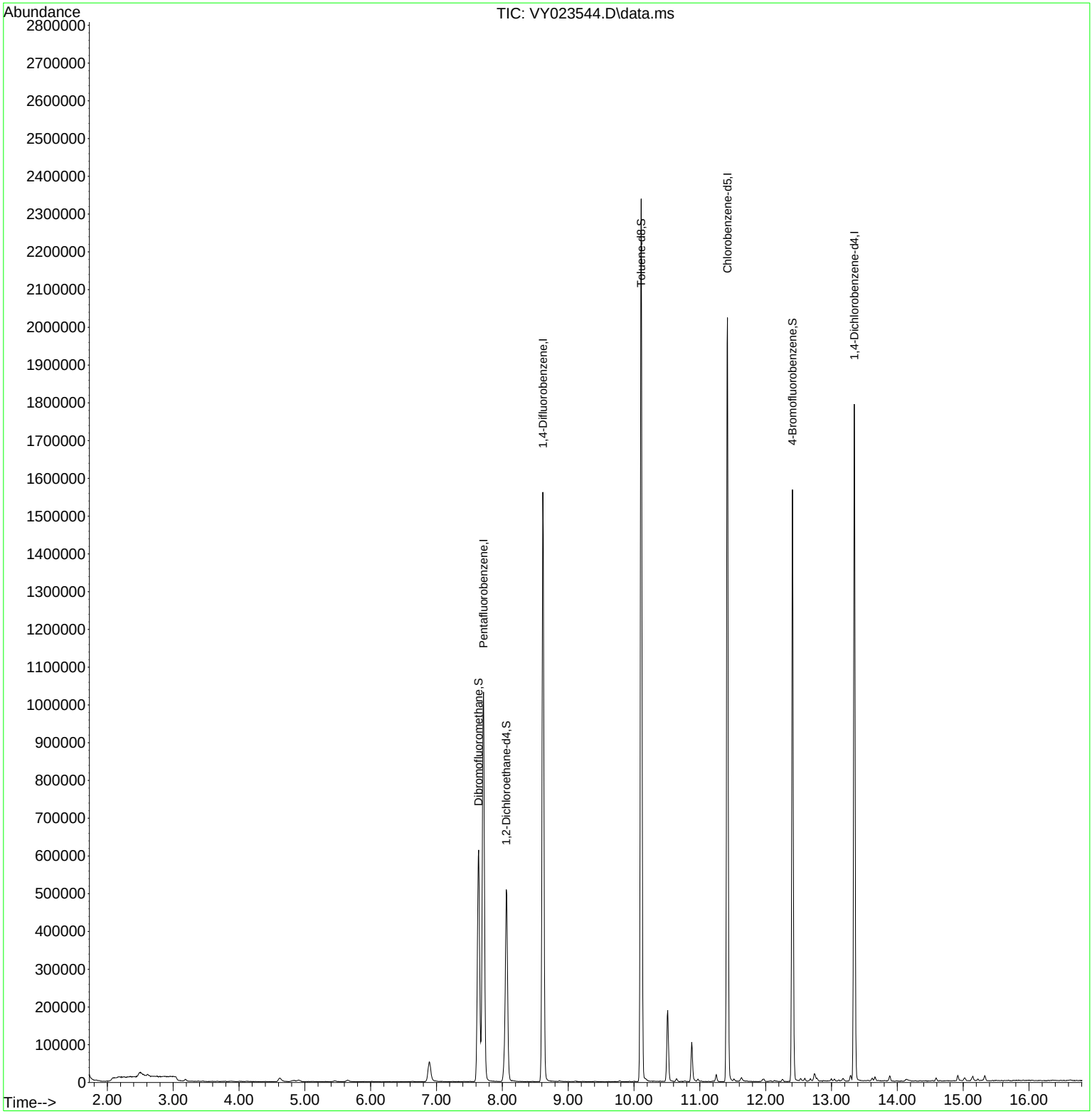
Target Compounds Qvalue

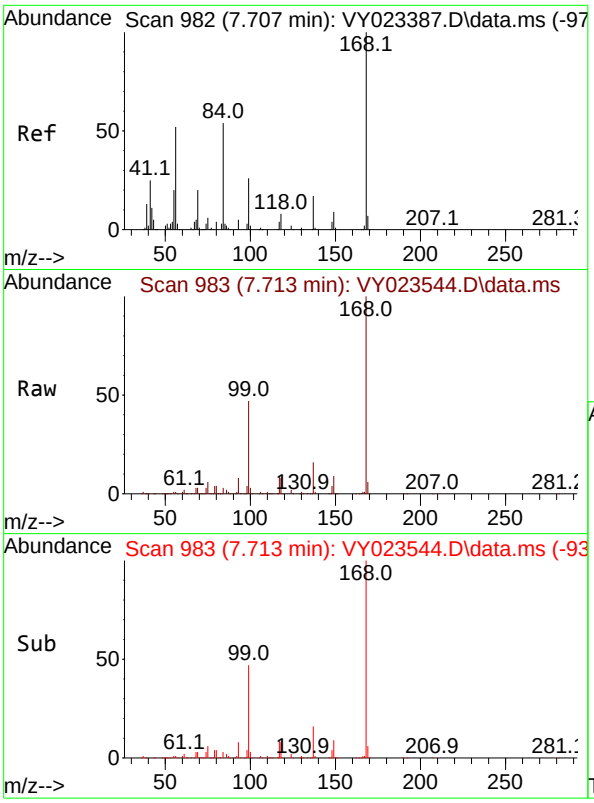
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023544.D
Acq On : 22 Oct 2025 10:00
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Time: Oct 24 02:26:09 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



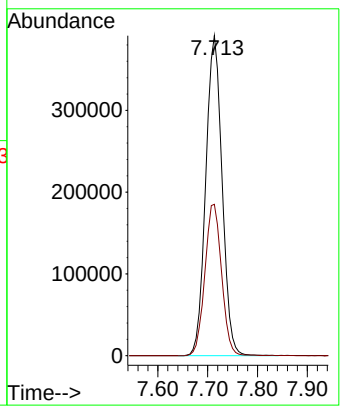


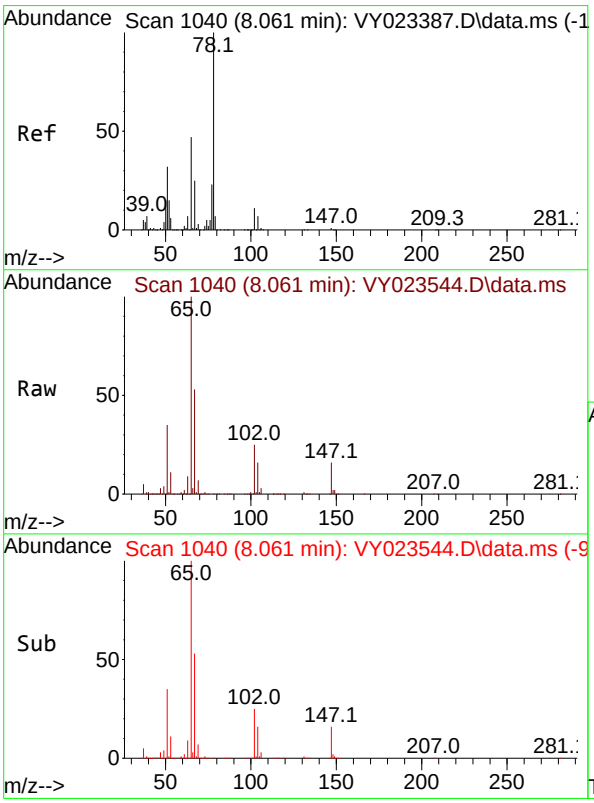
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion:168 Resp: 890059

Ion	Ratio	Lower	Upper
168	100		
99	47.3	39.7	59.5

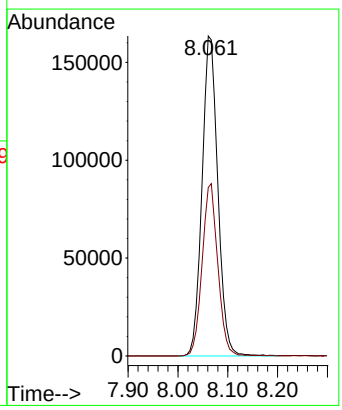


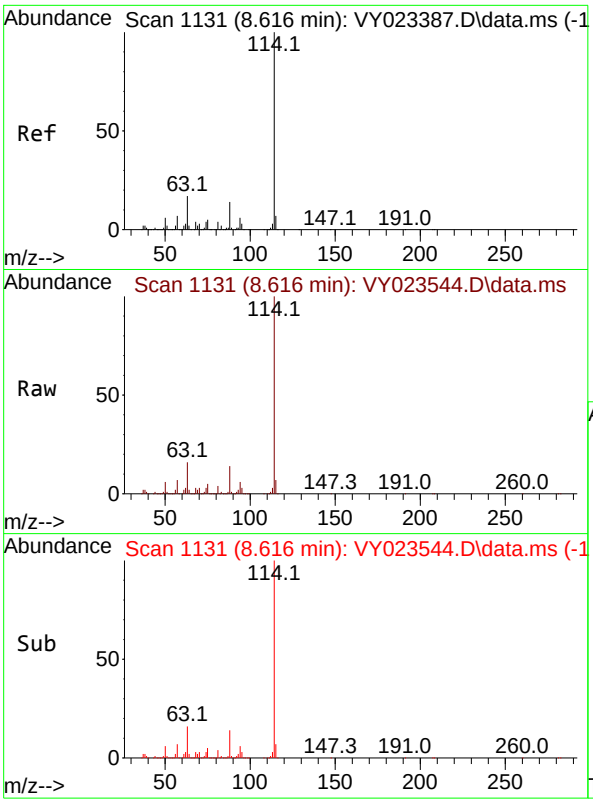


#33
1,2-Dichloroethane-d4
Concen: 48.265 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Tgt Ion: 65 Resp: 359226

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8



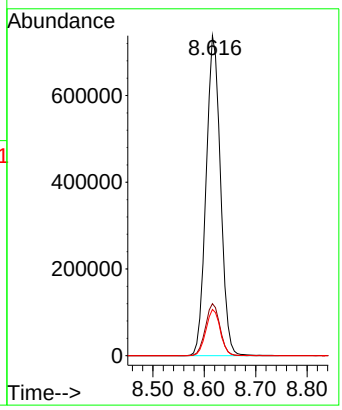


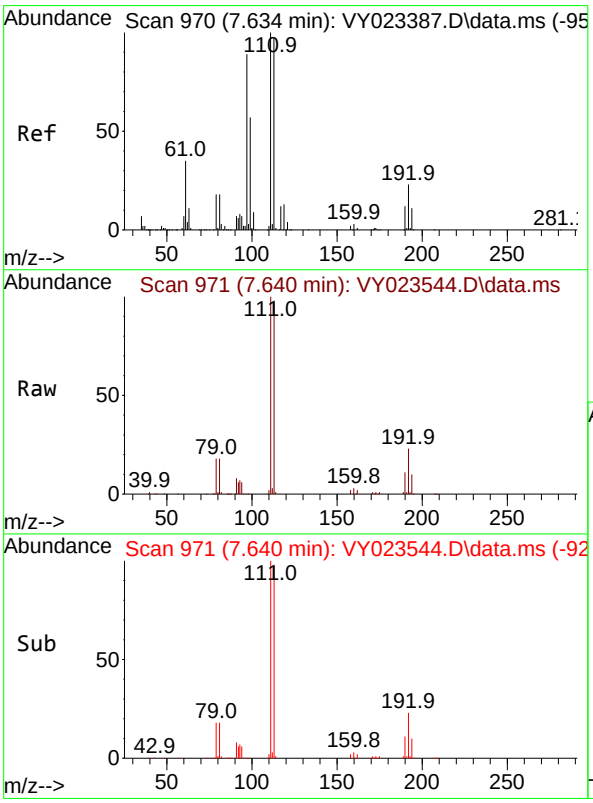
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion:114 Resp: 1434768

Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	34.2
88	14.5	0.0	28.4

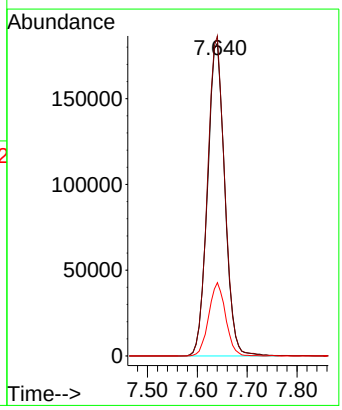


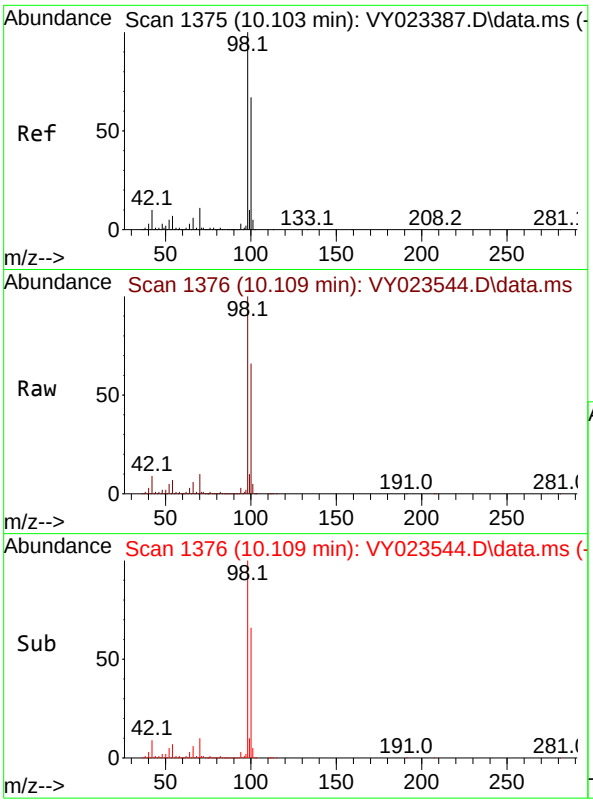


#35
Dibromofluoromethane
Concen: 49.808 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Tgt Ion:113 Resp: 439107

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	22.9	18.0	27.0



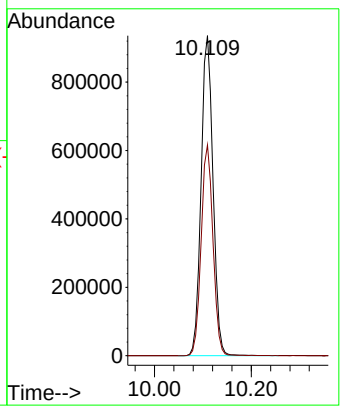


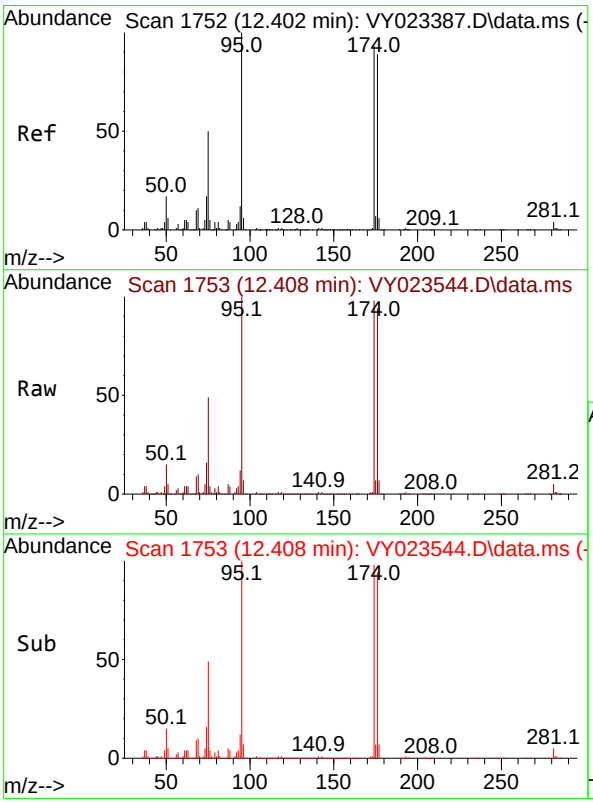
#50
Toluene-d8
Concen: 48.600 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion: 98 Resp: 1595601

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4

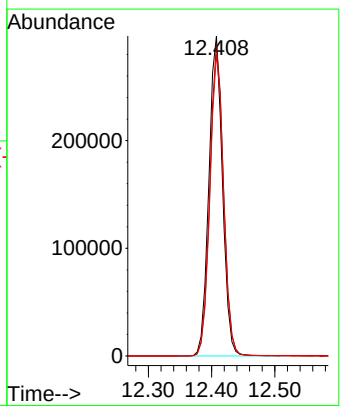


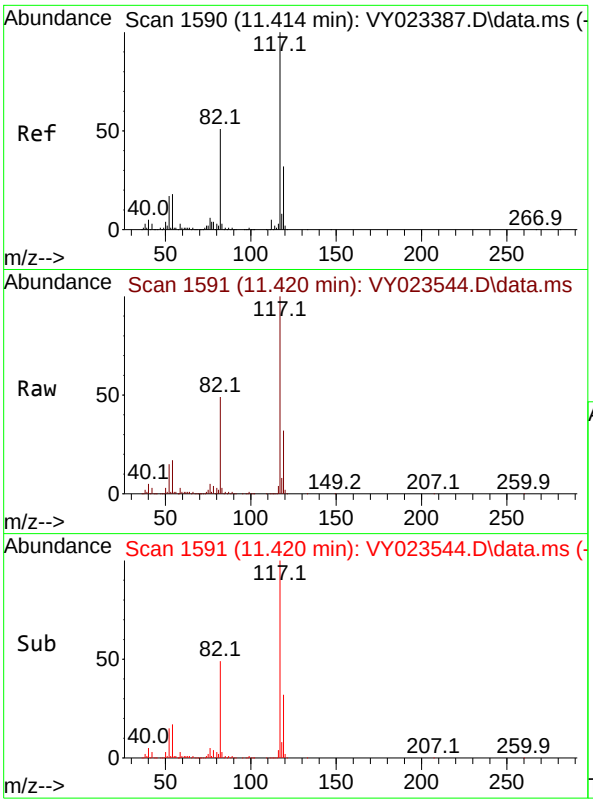


#62
4-Bromofluorobenzene
Concen: 41.064 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Tgt Ion: 95 Resp: 445110

Ion	Ratio	Lower	Upper
95	100		
174	97.9	0.0	192.8
176	94.7	0.0	187.6



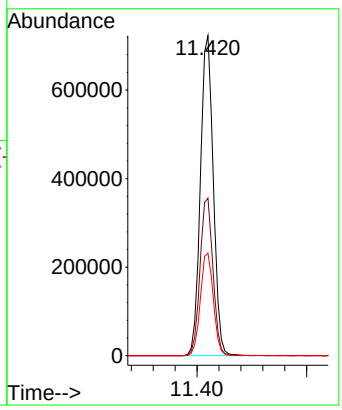


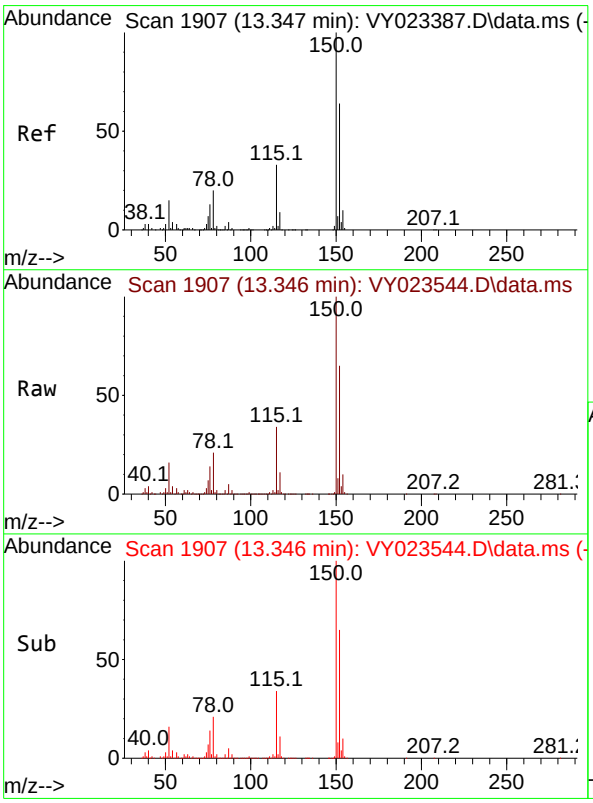
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion:117 Resp: 1180185

Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.0	61.4
119	32.0	25.6	38.4

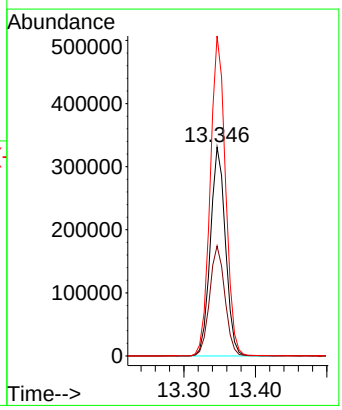




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Tgt Ion:152 Resp: 484557

Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.1	81.2
150	154.9	0.0	347.4



Sample Results: **VY023544.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023544.D
Acq On : 22 Oct 2025 10:00
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

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: VY023544.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	836	848	860	rBV	52729	169844	4.22%	0.796%
2	7.640	958	971	976	rBV	613566	1444748	35.92%	6.772%
3	7.713	976	983	1000	rVB	1030611	2407906	59.87%	11.287%
4	8.061	1027	1040	1054	rBV2	508015	1257916	31.28%	5.897%
5	8.616	1122	1131	1151	rBV	1561233	3049586	75.83%	14.295%
6	10.109	1368	1376	1390	rBV	2337515	4021836	100.00%	18.853%
7	10.512	1434	1442	1459	rVB	188628	345760	8.60%	1.621%
8	10.877	1496	1502	1513	rBV	104551	178963	4.45%	0.839%
9	11.420	1582	1591	1603	rBV	2023505	3338390	83.01%	15.649%
10	12.408	1746	1753	1766	rBV	1567478	2435469	60.56%	11.416%
11	13.346	1901	1907	1921	rVB	1791615	2682609	66.70%	12.575%

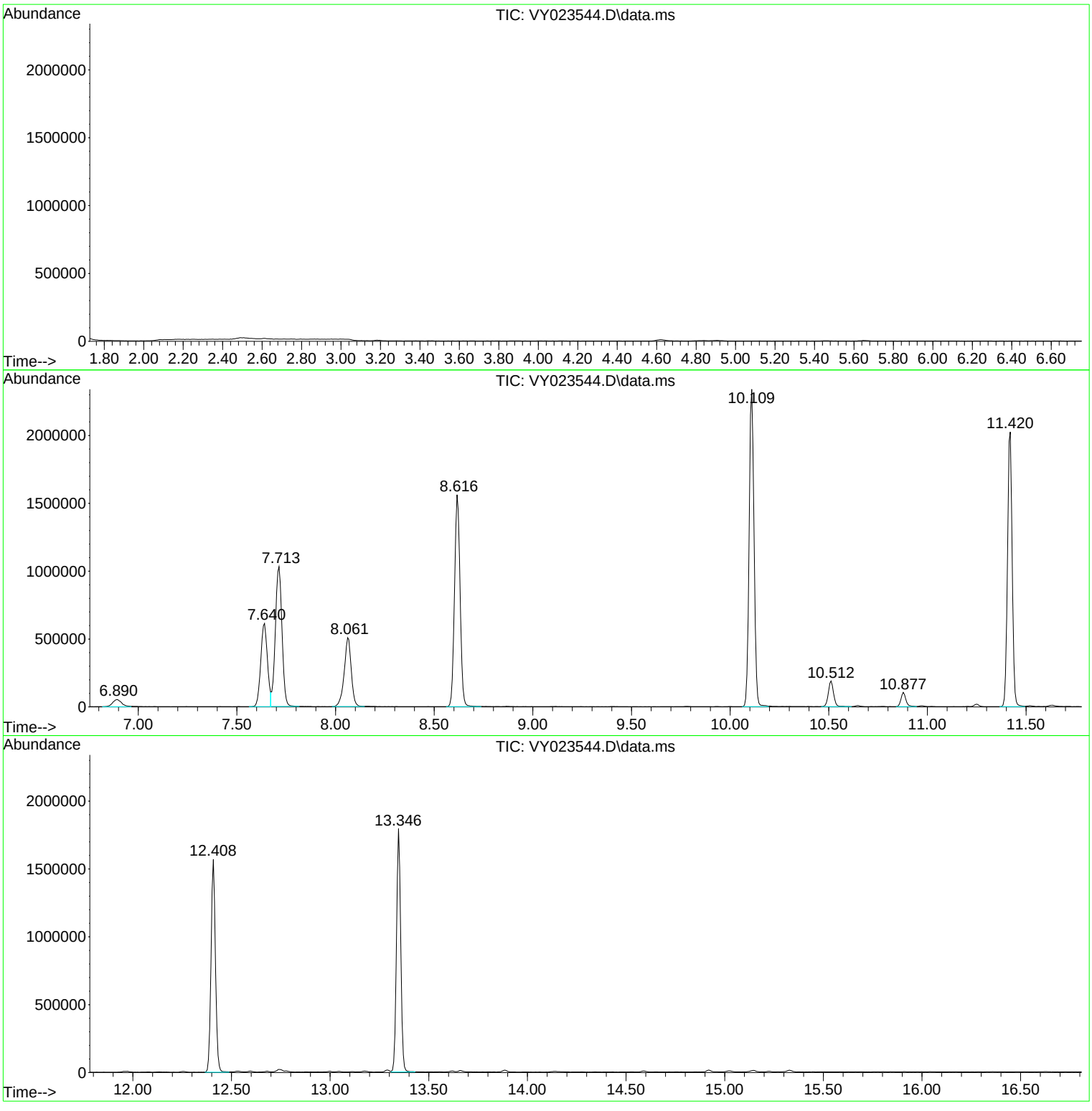
Sum of corrected areas: 21333027

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023544.D
Acq On : 22 Oct 2025 10:00
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023544.D
Acq On : 22 Oct 2025 10:00
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

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\VY102225\
Data File : VY023544.D
Acq On : 22 Oct 2025 10:00
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

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

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:	VX1103WBS01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBS01	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	17.2		1	0.22	1.00	ug/L	11/03/25 12:21	VX110325
74-87-3	Chloromethane	20.5		1	0.32	1.00	ug/L	11/03/25 12:21	VX110325
75-01-4	Vinyl Chloride	19.6		1	0.26	1.00	ug/L	11/03/25 12:21	VX110325
74-83-9	Bromomethane	20.1		1	1.40	5.00	ug/L	11/03/25 12:21	VX110325
75-00-3	Chloroethane	17.0		1	0.47	1.00	ug/L	11/03/25 12:21	VX110325
75-69-4	Trichlorofluoromethane	17.3		1	0.33	1.00	ug/L	11/03/25 12:21	VX110325
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1	0.25	1.00	ug/L	11/03/25 12:21	VX110325
75-35-4	1,1-Dichloroethene	20.2		1	0.23	1.00	ug/L	11/03/25 12:21	VX110325
67-64-1	Acetone	88.6		1	1.50	5.00	ug/L	11/03/25 12:21	VX110325
75-15-0	Carbon Disulfide	16.9		1	0.21	1.00	ug/L	11/03/25 12:21	VX110325
1634-04-4	Methyl tert-butyl Ether	17.4		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
79-20-9	Methyl Acetate	16.0		1	0.27	1.00	ug/L	11/03/25 12:21	VX110325
75-09-2	Methylene Chloride	17.1		1	0.28	1.00	ug/L	11/03/25 12:21	VX110325
156-60-5	trans-1,2-Dichloroethene	16.9		1	0.23	1.00	ug/L	11/03/25 12:21	VX110325
75-34-3	1,1-Dichloroethane	17.4		1	0.23	1.00	ug/L	11/03/25 12:21	VX110325
110-82-7	Cyclohexane	19.7		1	1.50	5.00	ug/L	11/03/25 12:21	VX110325
78-93-3	2-Butanone	82.0		1	0.98	5.00	ug/L	11/03/25 12:21	VX110325
56-23-5	Carbon Tetrachloride	18.7		1	0.25	1.00	ug/L	11/03/25 12:21	VX110325
156-59-2	cis-1,2-Dichloroethene	16.6		1	0.19	1.00	ug/L	11/03/25 12:21	VX110325
74-97-5	Bromochloromethane	19.3		1	0.22	1.00	ug/L	11/03/25 12:21	VX110325
67-66-3	Chloroform	18.5		1	0.25	1.00	ug/L	11/03/25 12:21	VX110325
71-55-6	1,1,1-Trichloroethane	19.9		1	0.20	1.00	ug/L	11/03/25 12:21	VX110325
108-87-2	Methylcyclohexane	16.6		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
71-43-2	Benzene	19.2		1	0.15	1.00	ug/L	11/03/25 12:21	VX110325
107-06-2	1,2-Dichloroethane	18.2		1	0.22	1.00	ug/L	11/03/25 12:21	VX110325
79-01-6	Trichloroethene	17.5		1	0.090	1.00	ug/L	11/03/25 12:21	VX110325
78-87-5	1,2-Dichloropropane	17.1		1	0.20	1.00	ug/L	11/03/25 12:21	VX110325
75-27-4	Bromodichloromethane	18.3		1	0.22	1.00	ug/L	11/03/25 12:21	VX110325
108-10-1	4-Methyl-2-Pentanone	86.6		1	0.68	5.00	ug/L	11/03/25 12:21	VX110325
108-88-3	Toluene	17.6		1	0.14	1.00	ug/L	11/03/25 12:21	VX110325
10061-02-6	t-1,3-Dichloropropene	19.0		1	0.17	1.00	ug/L	11/03/25 12:21	VX110325
10061-01-5	cis-1,3-Dichloropropene	18.4		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
79-00-5	1,1,2-Trichloroethane	18.0		1	0.21	1.00	ug/L	11/03/25 12:21	VX110325
591-78-6	2-Hexanone	86.4		1	0.89	5.00	ug/L	11/03/25 12:21	VX110325
124-48-1	Dibromochloromethane	18.2		1	0.18	1.00	ug/L	11/03/25 12:21	VX110325
106-93-4	1,2-Dibromoethane	17.8		1	0.15	1.00	ug/L	11/03/25 12:21	VX110325
127-18-4	Tetrachloroethene	19.8		1	0.23	1.00	ug/L	11/03/25 12:21	VX110325
108-90-7	Chlorobenzene	20.7		1	0.12	1.00	ug/L	11/03/25 12:21	VX110325
100-41-4	Ethyl Benzene	20.5		1	0.13	1.00	ug/L	11/03/25 12:21	VX110325
179601-23-1	m/p-Xylenes	42.2		1	0.24	2.00	ug/L	11/03/25 12:21	VX110325
95-47-6	o-Xylene	20.7		1	0.12	1.00	ug/L	11/03/25 12:21	VX110325
100-42-5	Styrene	21.2		1	0.15	1.00	ug/L	11/03/25 12:21	VX110325
75-25-2	Bromoform	21.3		1	0.19	1.00	ug/L	11/03/25 12:21	VX110325

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:	VX1103WBS01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBS01	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	20.5		1	0.12	1.00	ug/L	11/03/25 12:21	VX110325
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1	0.26	1.00	ug/L	11/03/25 12:21	VX110325
541-73-1	1,3-Dichlorobenzene	19.7		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
106-46-7	1,4-Dichlorobenzene	20.2		1	0.19	1.00	ug/L	11/03/25 12:21	VX110325
95-50-1	1,2-Dichlorobenzene	20.3		1	0.16	1.00	ug/L	11/03/25 12:21	VX110325
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		1	0.53	1.00	ug/L	11/03/25 12:21	VX110325
120-82-1	1,2,4-Trichlorobenzene	19.6		1	0.20	1.00	ug/L	11/03/25 12:21	VX110325
87-61-6	1,2,3-Trichlorobenzene	20.2		1	0.20	1.00	ug/L	11/03/25 12:21	VX110325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.1			74 - 125	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.7			75 - 124	101%	SPK: 50		
2037-26-5	Toluene-d8	43.8			86 - 113	88%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.5			77 - 121	87%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	173000							
540-36-3	1,4-Difluorobenzene	288000							
3114-55-4	Chlorobenzene-d5	218000							
3855-82-1	1,4-Dichlorobenzene-d4	111000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048449.D
Acq On : 03 Nov 2025 12:21
Operator : JC/MD
Sample : VX1103WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 00:10:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	172640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	288363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	217740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	121860	49.081	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.160%			
35) Dibromofluoromethane	5.367	113	83329	50.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.360%			
50) Toluene-d8	8.628	98	318132	43.836	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 87.680%#			
62) 4-Bromofluorobenzene	11.061	95	118111	43.506	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	30270	17.189	ug/l	97
3) Chloromethane	1.300	50	20348	20.480	ug/l	94
4) Vinyl Chloride	1.380	62	44939	19.580	ug/l	99
5) Bromomethane	1.617	94	16699	20.141	ug/l	93
6) Chloroethane	1.697	64	23174	16.978	ug/l	100
7) Trichlorofluoromethane	1.898	101	60832	17.296	ug/l	98
8) Diethyl Ether	2.129	74	22137	17.415	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	39962	20.200	ug/l	95
10) Methyl Iodide	2.459	142	123885	15.573	ug/l	97
11) Tert butyl alcohol	2.928	59	15123	79.503	ug/l	96
12) 1,1-Dichloroethene	2.325	96	40631	20.220	ug/l	89
13) Acrolein	2.233	56	35021	88.203	ug/l	98
14) Allyl chloride	2.666	41	55328	16.259	ug/l	93
15) Acrylonitrile	3.056	53	69872	80.744	ug/l	99
16) Acetone	2.373	43	49853	88.593	ug/l	100
17) Carbon Disulfide	2.514	76	97171	16.865	ug/l	98
18) Methyl Acetate	2.696	43	30042	15.962	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	112152	17.429	ug/l	99
20) Methylene Chloride	2.788	84	37062	17.086	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	36155	16.939	ug/l	99
22) Diisopropyl ether	3.745	45	121046	17.378	ug/l	98
23) Vinyl Acetate	3.708	43	434078	91.549	ug/l	97
24) 1,1-Dichloroethane	3.605	63	68616	17.358	ug/l	98
25) 2-Butanone	4.531	43	73676	81.958	ug/l	93
26) 2,2-Dichloropropane	4.464	77	61839	18.169	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	42332	16.618	ug/l	98
28) Bromochloromethane	4.879	49	34659	19.347	ug/l	85
29) Tetrahydrofuran	4.983	42	59178	92.438	ug/l	97
30) Chloroform	5.074	83	75267	18.510	ug/l	99
31) Cyclohexane	5.458	56	67453	19.658	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	71589	19.942	ug/l	98
36) 1,1-Dichloropropene	5.678	75	51987	18.830	ug/l	98
37) Ethyl Acetate	4.696	43	37974	16.144	ug/l #	96
38) Carbon Tetrachloride	5.659	117	59473	18.657	ug/l	95
39) Methylcyclohexane	7.360	83	58799	16.561	ug/l	97
40) Benzene	6.019	78	162239	19.235	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048449.D
Acq On : 03 Nov 2025 12:21
Operator : JC/MD
Sample : VX1103WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 00:10:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.891	41	22908	19.335 ug/l		94
42) 1,2-Dichloroethane	6.068	62	54093	18.208 ug/l		96
43) Isopropyl Acetate	6.312	43	67186	17.300 ug/l		95
44) Trichloroethene	7.110	130	38591	17.463 ug/l		95
45) 1,2-Dichloropropane	7.409	63	35935	17.059 ug/l		98
46) Dibromomethane	7.561	93	26652	18.074 ug/l		98
47) Bromodichloromethane	7.805	83	57455	18.338 ug/l		99
48) Methyl methacrylate	7.671	41	32991	17.420 ug/l		96
49) 1,4-Dioxane	7.641	88	6805	316.132 ug/l	#	90
51) 4-Methyl-2-Pentanone	8.555	43	187159	86.596 ug/l		100
52) Toluene	8.701	92	92741	17.597 ug/l		99
53) t-1,3-Dichloropropene	8.964	75	53828	18.954 ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	56442	18.447 ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	34295	17.981 ug/l		96
56) Ethyl methacrylate	9.098	69	46849	16.775 ug/l		96
57) 1,3-Dichloropropane	9.293	76	57864	17.497 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	131528	85.428 ug/l		97
59) 2-Hexanone	9.415	43	121464	86.371 ug/l		98
60) Dibromochloromethane	9.500	129	42924	18.197 ug/l		98
61) 1,2-Dibromoethane	9.592	107	35072	17.775 ug/l		98
64) Tetrachloroethene	9.256	164	34637	19.753 ug/l		96
65) Chlorobenzene	10.061	112	103891	20.711 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	36626	21.465 ug/l		99
67) Ethyl Benzene	10.177	91	173489	20.541 ug/l		98
68) m/p-Xylenes	10.280	106	134991	42.211 ug/l		99
69) o-Xylene	10.622	106	63358	20.732 ug/l		100
70) Styrene	10.640	104	109893	21.227 ug/l		99
71) Bromoform	10.780	173	26290	21.299 ug/l	#	99
73) Isopropylbenzene	10.945	105	167983	20.549 ug/l		100
74) N-amyl acetate	10.823	43	58129	19.933 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42400	20.477 ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	33504m	21.079 ug/l		
77) Bromobenzene	11.177	156	40521	20.067 ug/l		98
78) n-propylbenzene	11.286	91	201686	20.875 ug/l		99
79) 2-Chlorotoluene	11.347	91	120278	20.734 ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	140304	20.938 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	9223	20.081 ug/l	#	65
82) 4-Chlorotoluene	11.439	91	143791	21.085 ug/l		99
83) tert-Butylbenzene	11.695	119	139109	20.391 ug/l		100
84) 1,2,4-Trimethylbenzene	11.731	105	143541	21.634 ug/l		99
85) sec-Butylbenzene	11.872	105	176437	20.756 ug/l		100
86) p-Isopropyltoluene	11.987	119	148457	20.658 ug/l		97
87) 1,3-Dichlorobenzene	11.951	146	75803	19.656 ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	79478	20.235 ug/l		98
89) n-Butylbenzene	12.311	91	140708	20.854 ug/l		99
90) Hexachloroethane	12.518	117	26546	21.022 ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	72500	20.287 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	8322	20.525 ug/l		90
93) 1,2,4-Trichlorobenzene	13.566	180	48282	19.579 ug/l		99
94) Hexachlorobutadiene	13.707	225	21142	20.439 ug/l		96
95) Naphthalene	13.755	128	121617	19.527 ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	45326	20.235 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048449.D
Acq On : 03 Nov 2025 12:21
Operator : JC/MD
Sample : VX1103WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 00:10:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

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

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

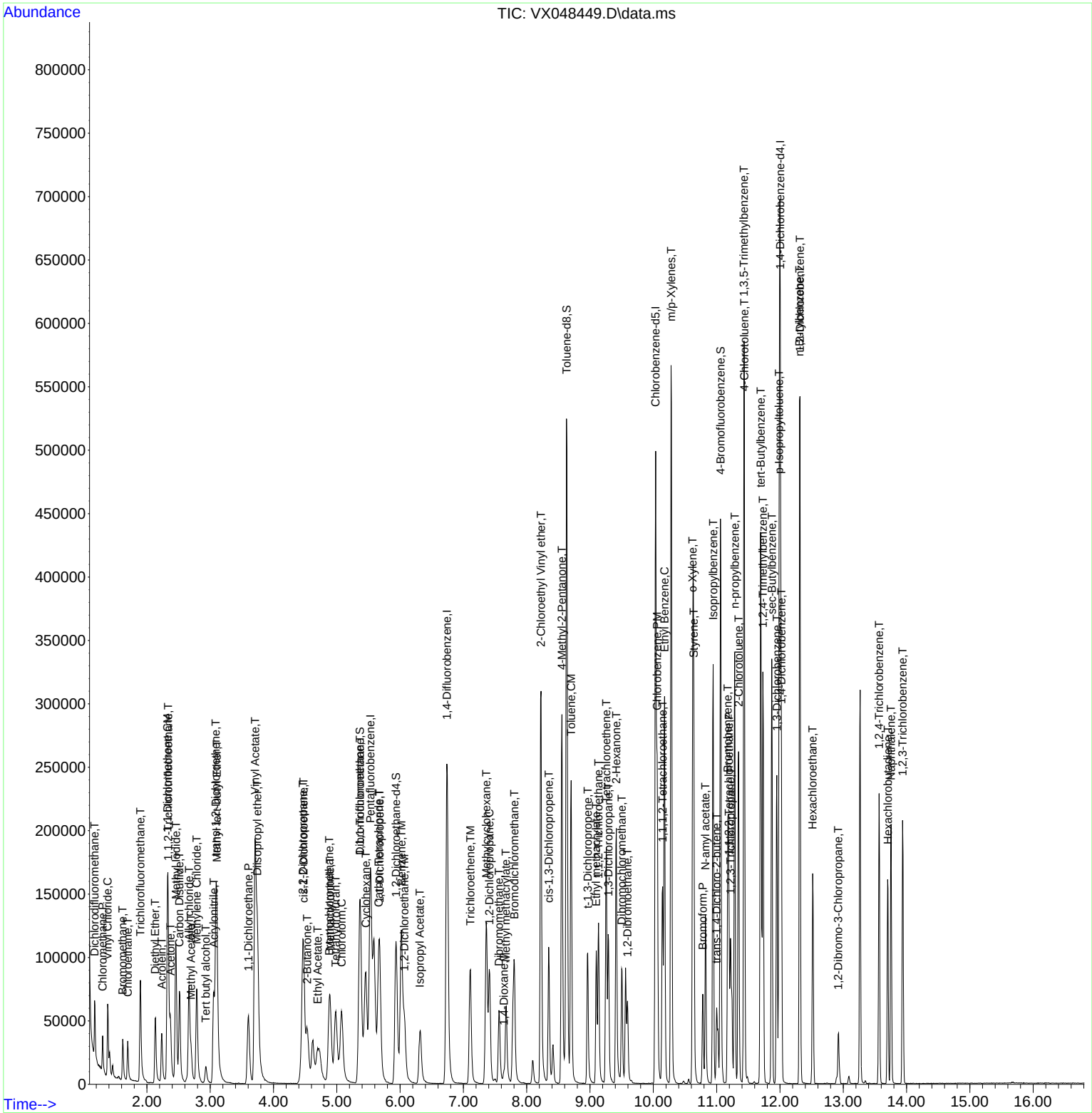
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Acq On : 03 Nov 2025 12:21
Operator : JC/MD
Sample : VX1103WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

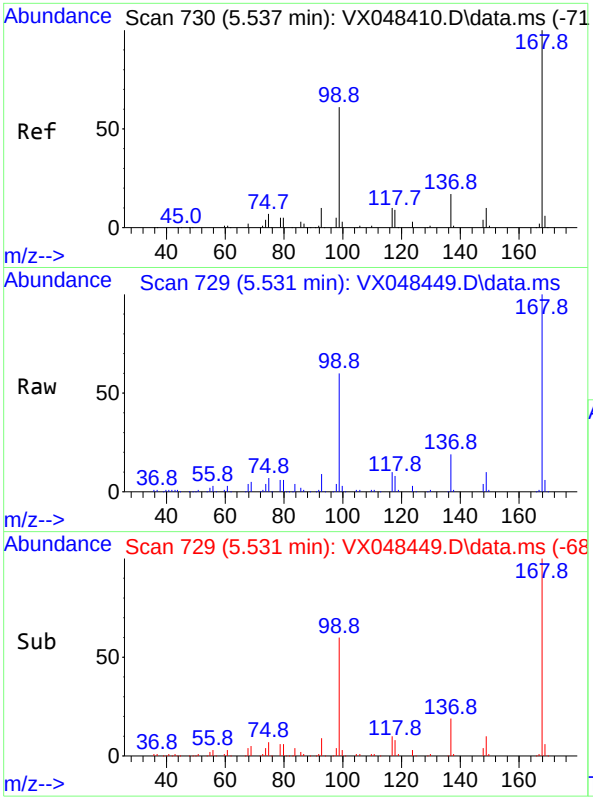
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Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

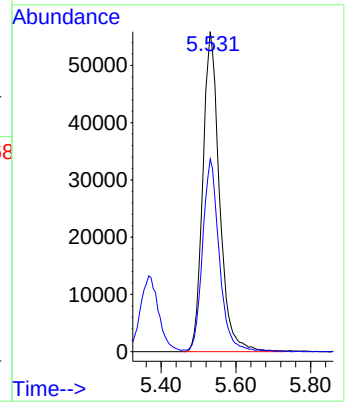




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:168 Resp: 17264

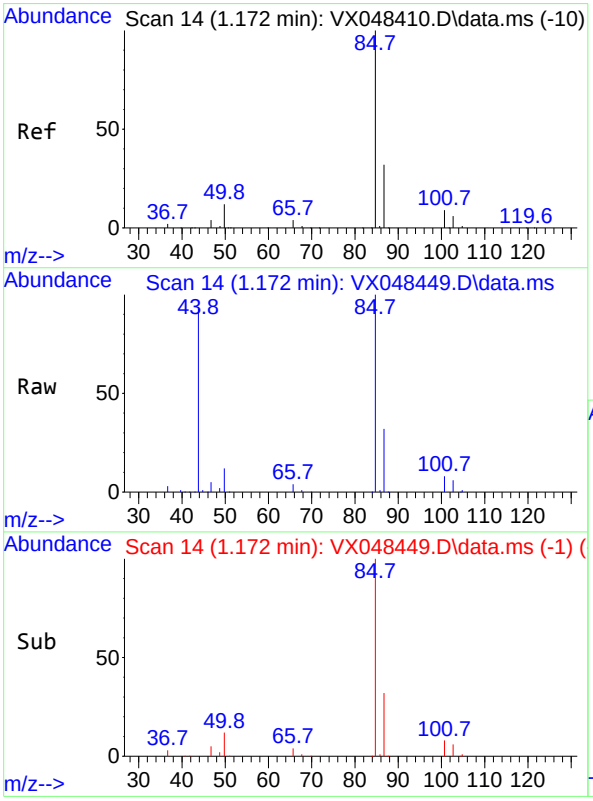
Ion	Ratio	Lower	Upper
168	100		
99	60.0	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

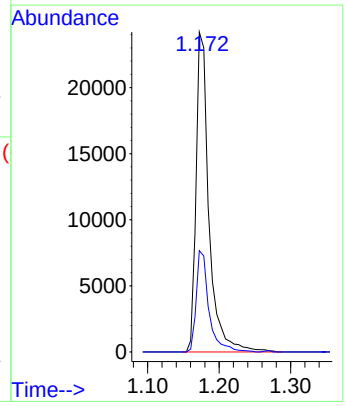
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

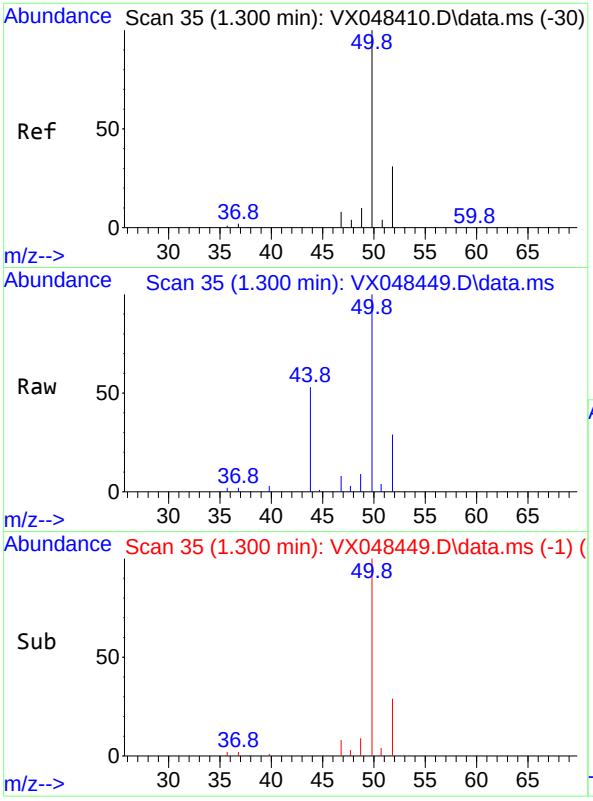


#2
Dichlorodifluoromethane
Concen: 17.189 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 85 Resp: 30270

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.3	45.9

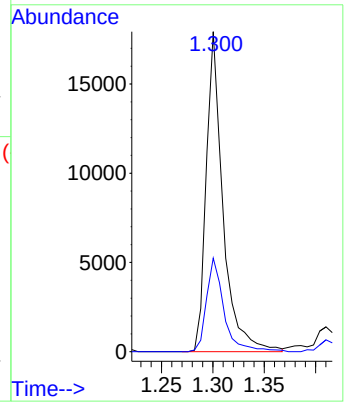




#3
Chloromethane
Concen: 20.480 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 50 Resp: 2034

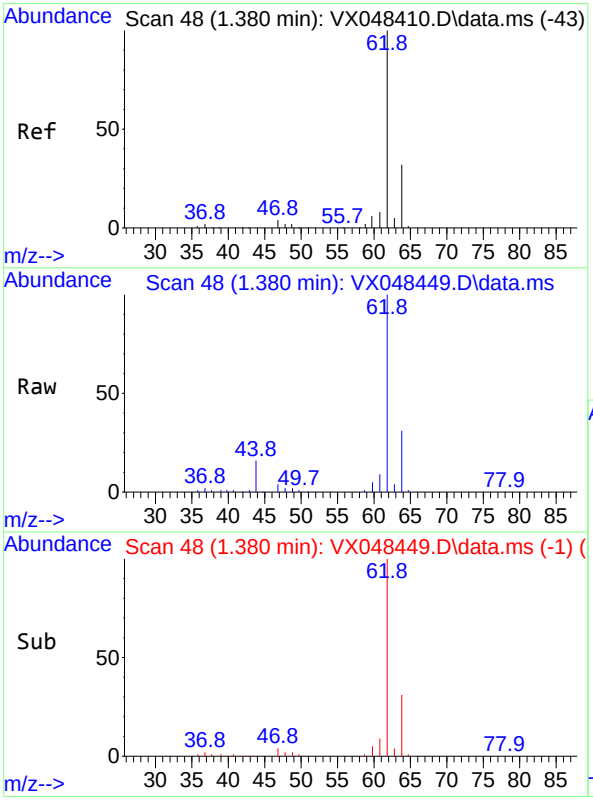
Ion	Ratio	Lower	Upper
50	100		
52	29.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

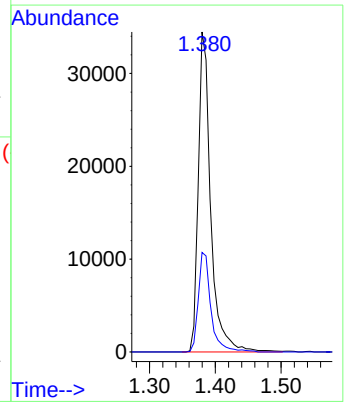
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

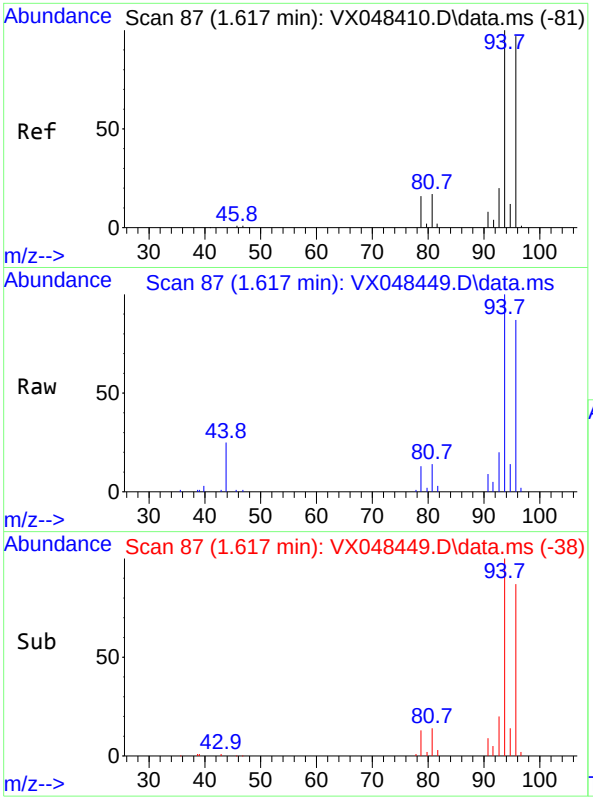


#4
Vinyl Chloride
Concen: 19.580 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 62 Resp: 44939

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.1	37.7

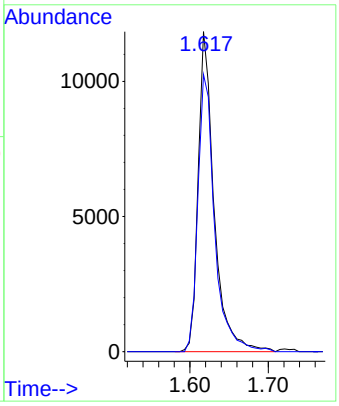




#5
Bromomethane
Concen: 20.141 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 94 Resp: 1669

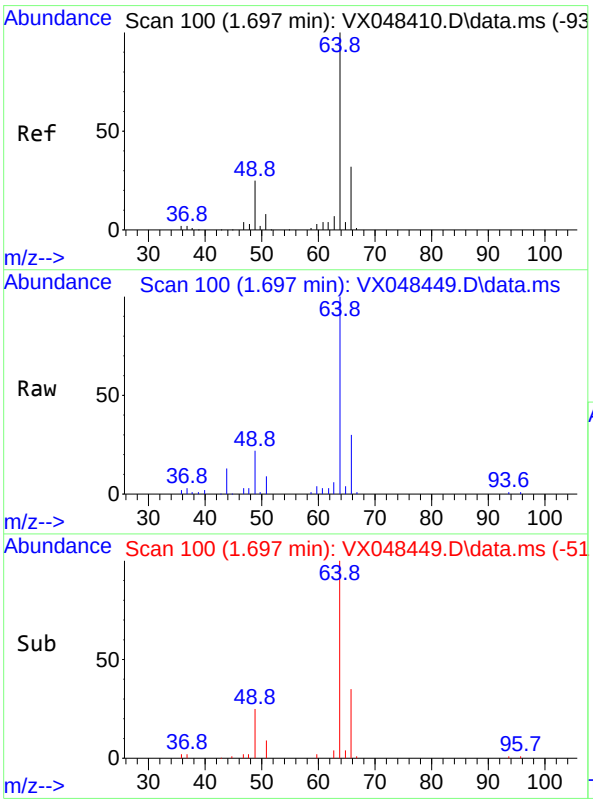
Ion	Ratio	Lower	Upper
94	100		
96	88.2	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

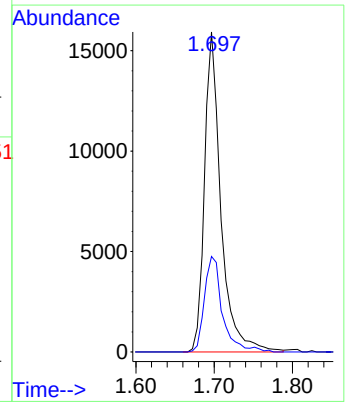
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

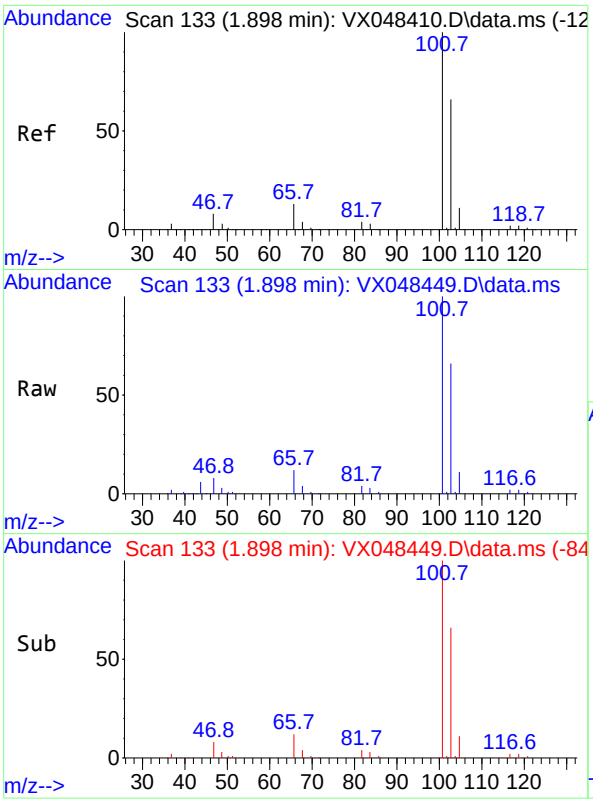


#6
Chloroethane
Concen: 16.978 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 64 Resp: 23174

Ion	Ratio	Lower	Upper
64	100		
66	29.8	23.9	35.9

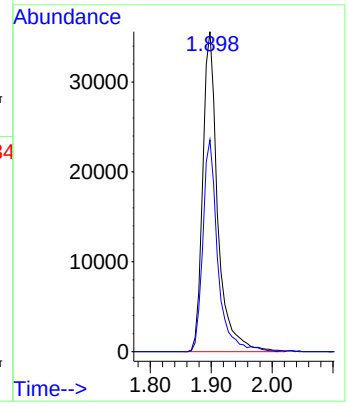




#7
Trichlorofluoromethane
Concen: 17.296 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:101 Resp: 6083

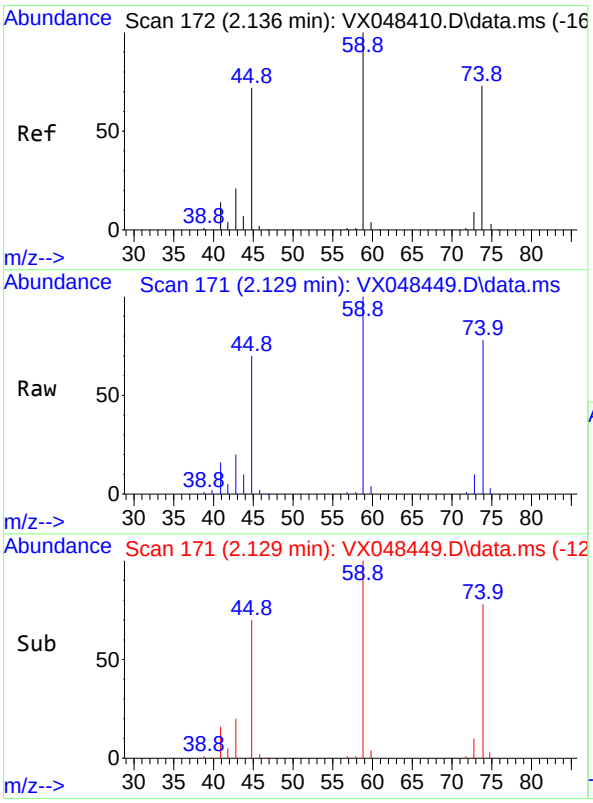
Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

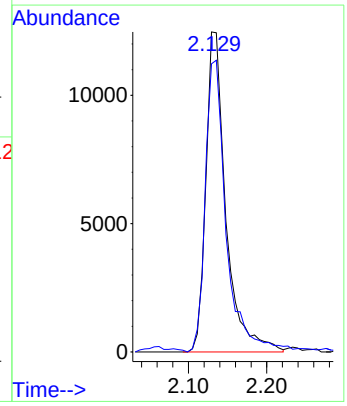
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

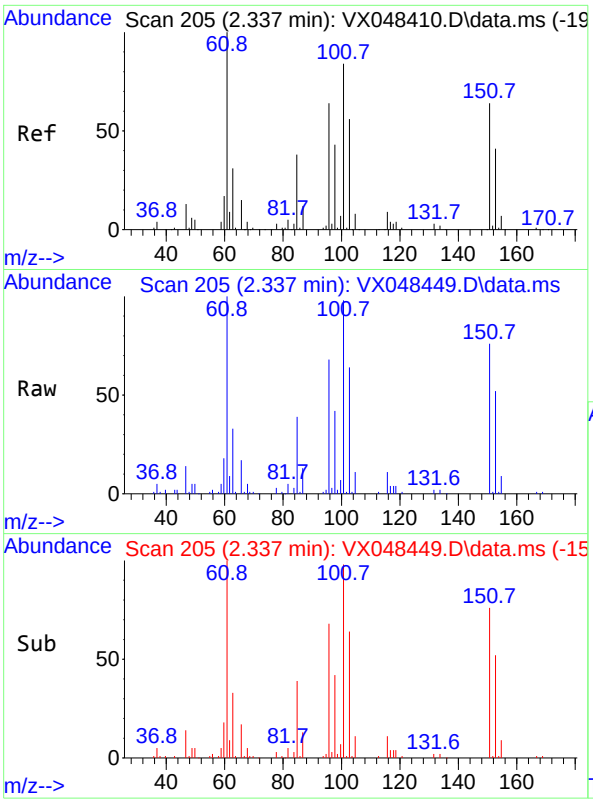


#8
Diethyl Ether
Concen: 17.415 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 74 Resp: 22137

Ion	Ratio	Lower	Upper
74	100		
45	96.3	50.0	149.8

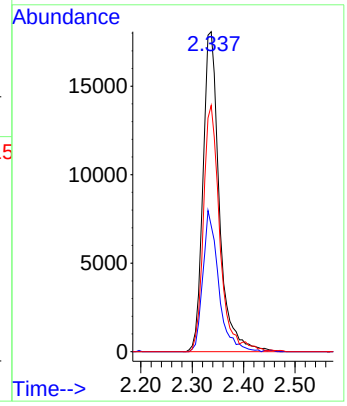




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.200 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:101 Resp: 3996

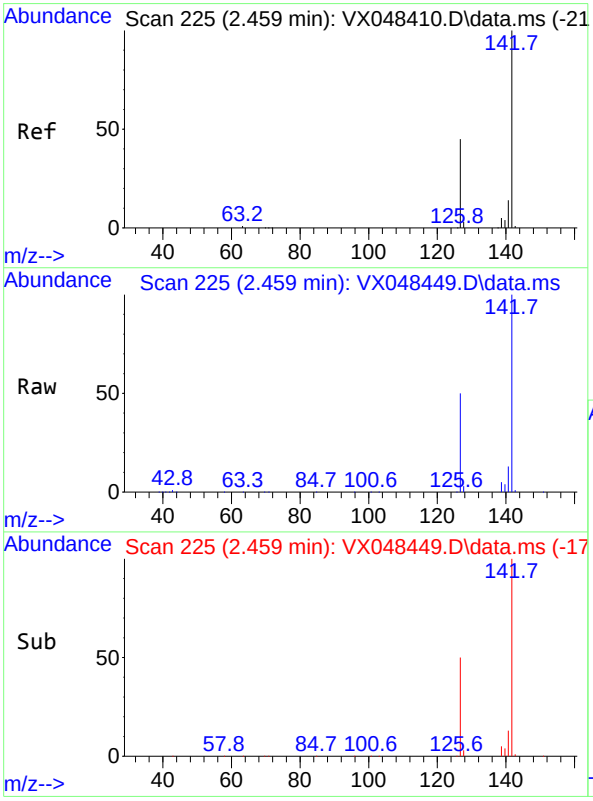
Ion	Ratio	Lower	Upper
101	100		
85	42.4	35.6	53.4
151	77.1	58.0	87.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

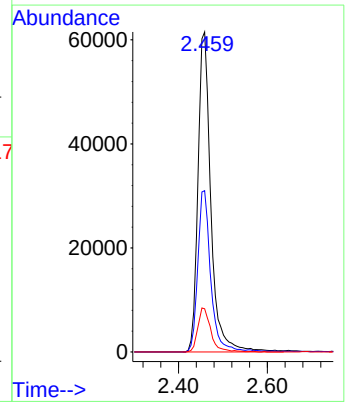
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

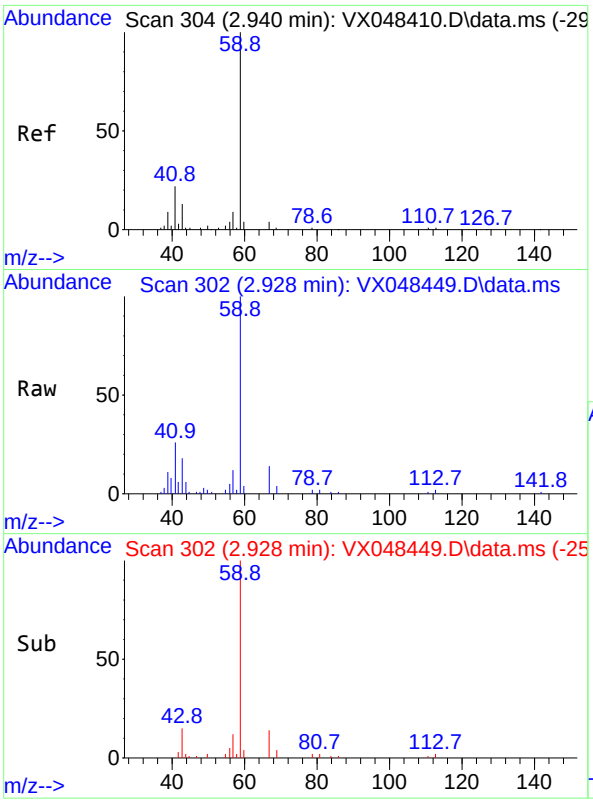


#10
Methyl Iodide
Concen: 15.573 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:142 Resp: 123885

Ion	Ratio	Lower	Upper
142	100		
127	50.1	38.5	57.7
141	13.9	11.6	17.4

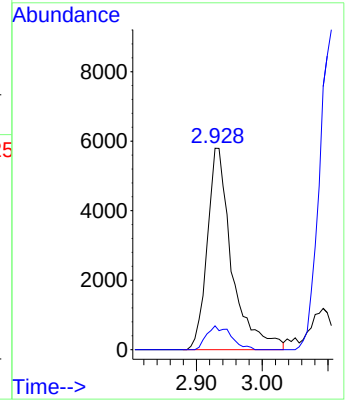




#11
Tert butyl alcohol
Concen: 79.503 ug/l
RT: 2.928 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 59 Resp: 1512

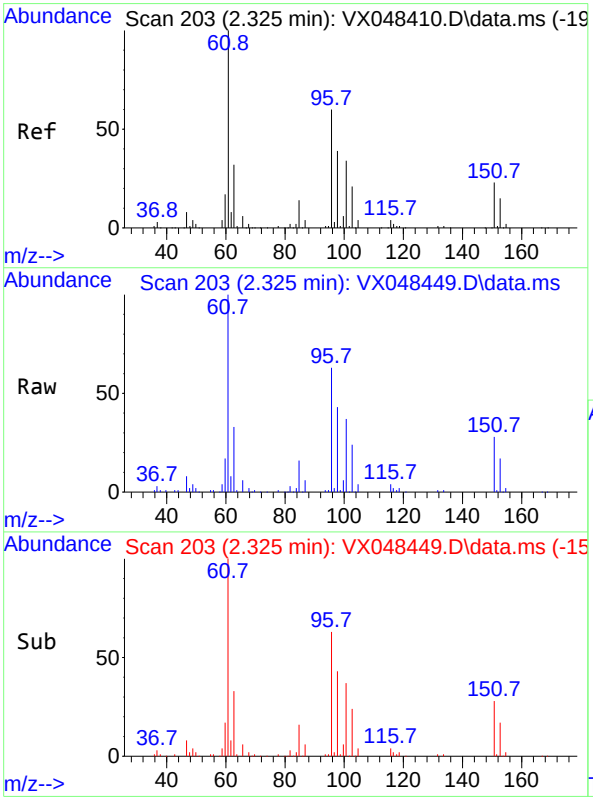
Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

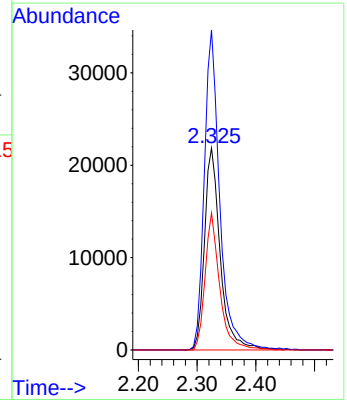
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

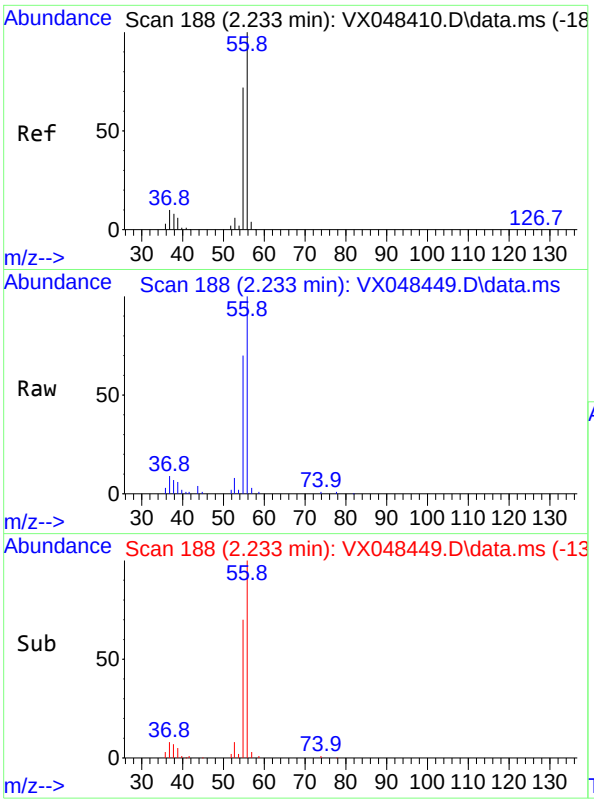


#12
1,1-Dichloroethene
Concen: 20.220 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 96 Resp: 40631

Ion	Ratio	Lower	Upper
96	100		
61	153.0	139.0	208.6
98	65.5	52.4	78.6





#13
Acrolein
Concen: 88.203 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

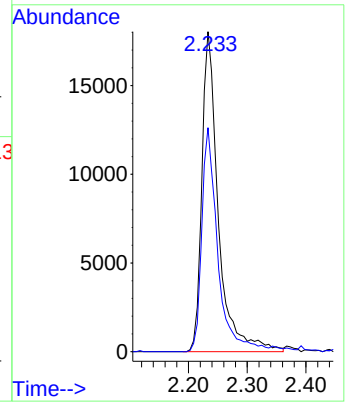
Tgt Ion: 56 Resp: 3502

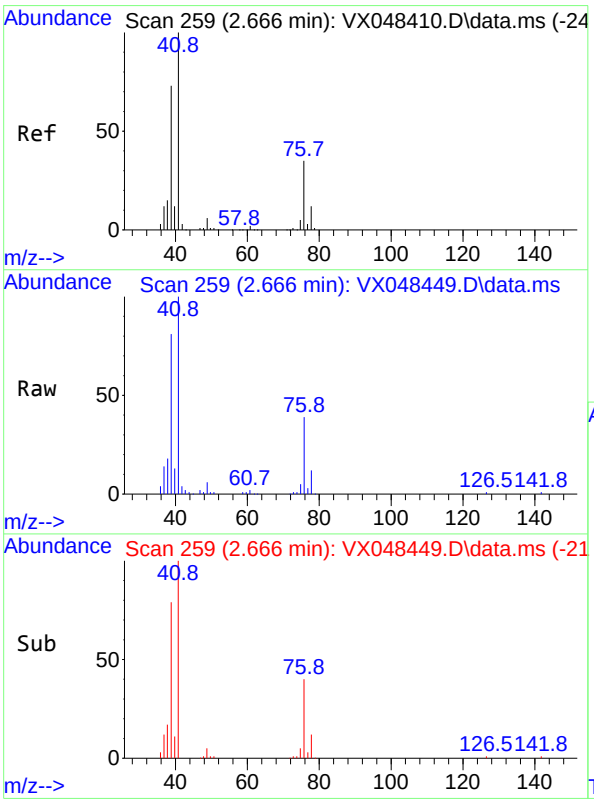
Ion	Ratio	Lower	Upper
56	100		
55	68.1	56.1	84.1

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

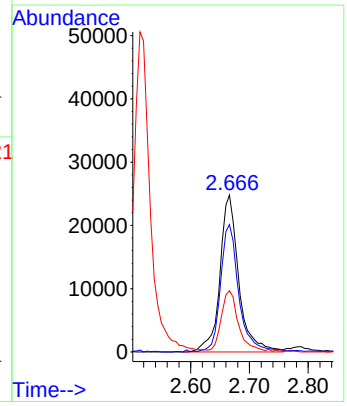


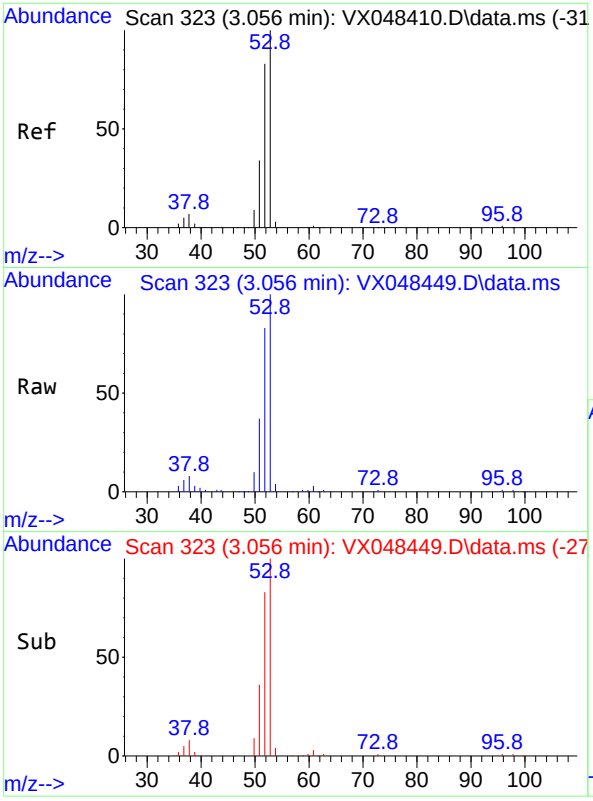


#14
Allyl chloride
Concen: 16.259 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 41 Resp: 55328

Ion	Ratio	Lower	Upper
41	100		
39	77.2	56.0	84.0
76	36.7	27.5	41.3

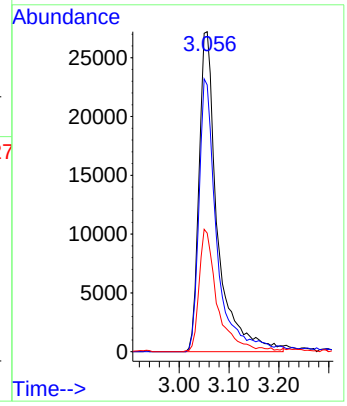




#15
Acrylonitrile
Concen: 80.744 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 53 Resp: 6987

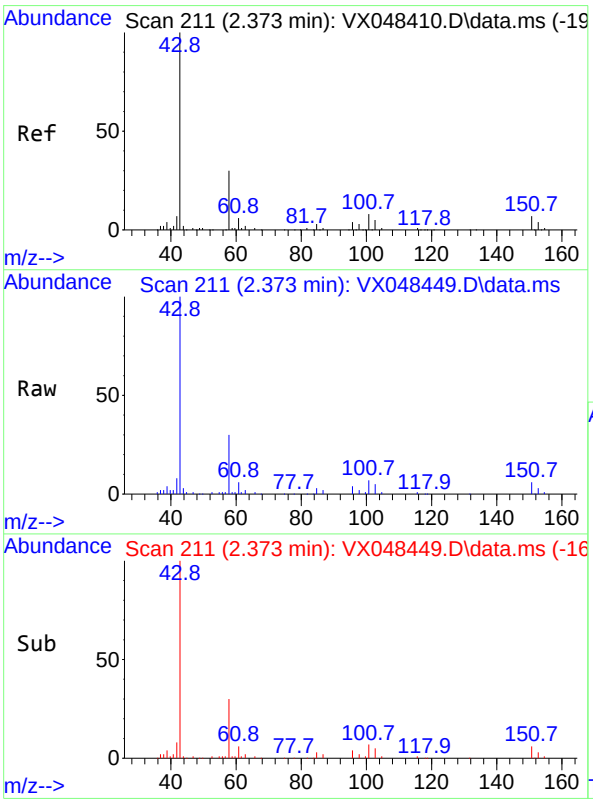
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	37.1	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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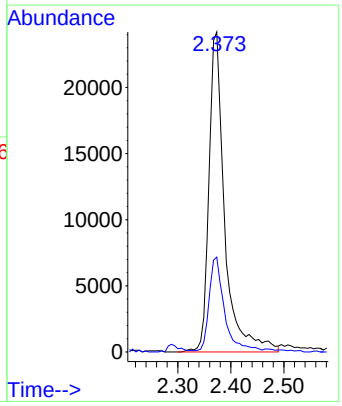
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

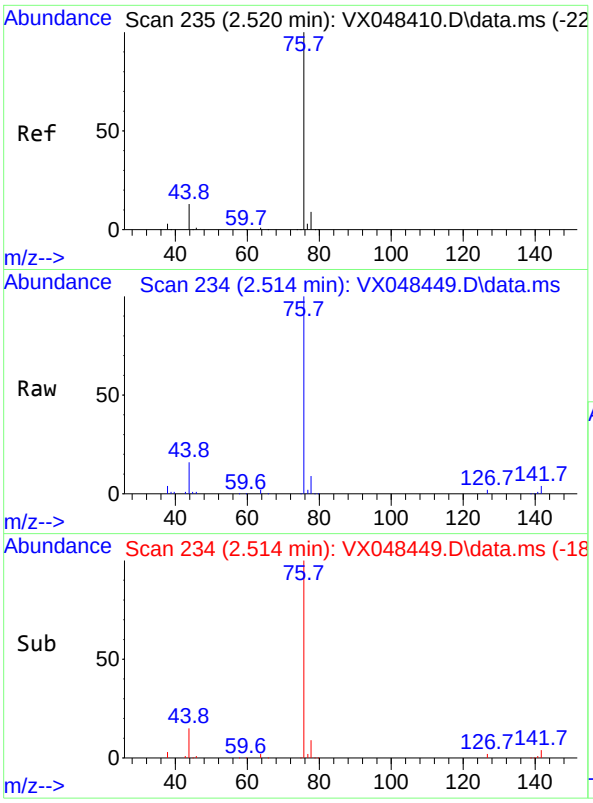


#16
Acetone
Concen: 88.593 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 49853

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.4	35.2





#17
Carbon Disulfide
Concen: 16.865 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

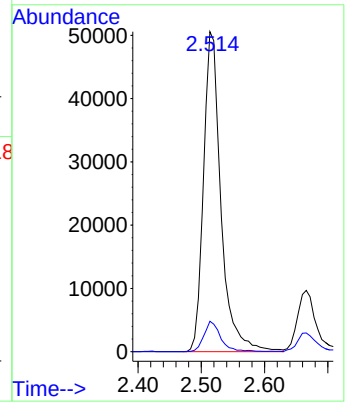
Tgt Ion: 76 Resp: 9717

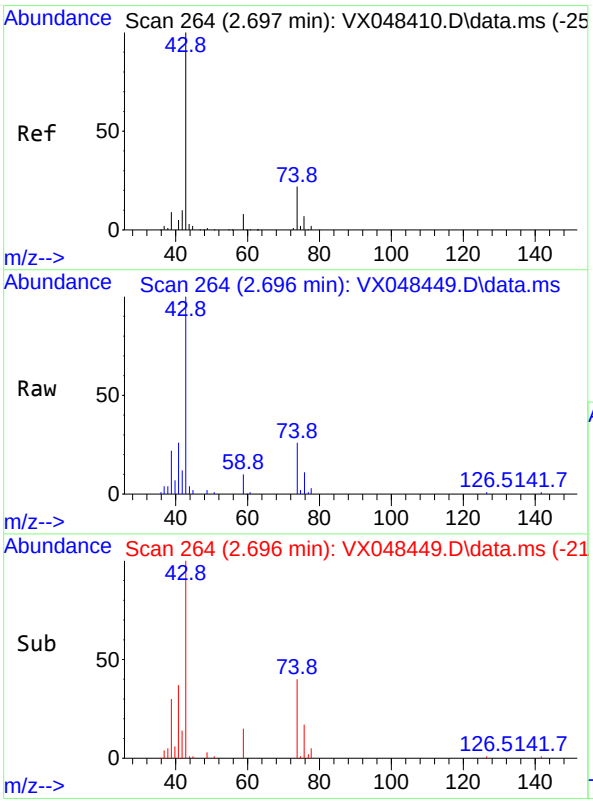
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

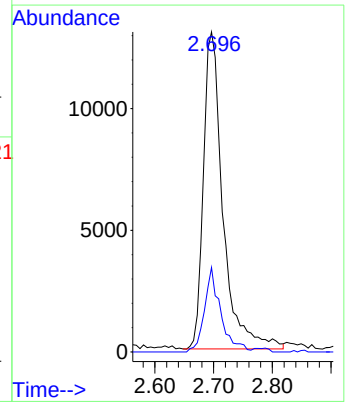


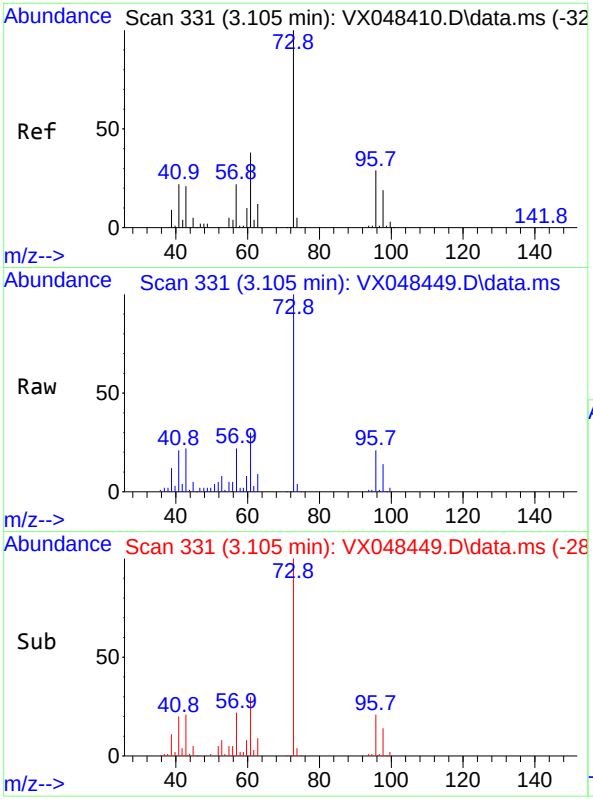


#18
Methyl Acetate
Concen: 15.962 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 30042

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.5	26.3

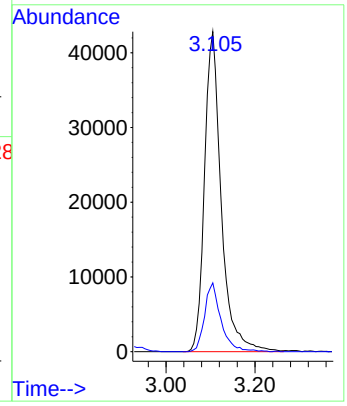




#19
Methyl tert-butyl Ether
Concen: 17.429 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 73 Resp: 11215

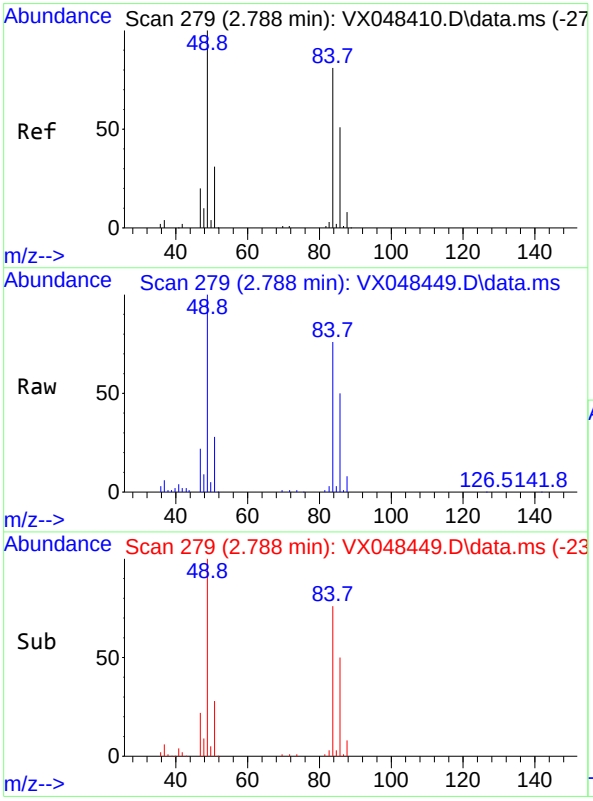
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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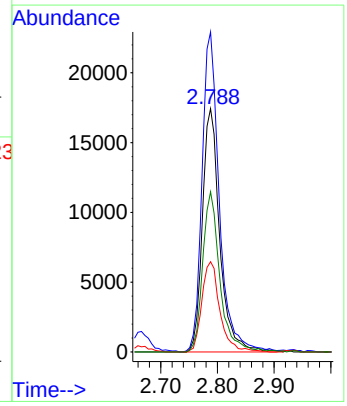
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

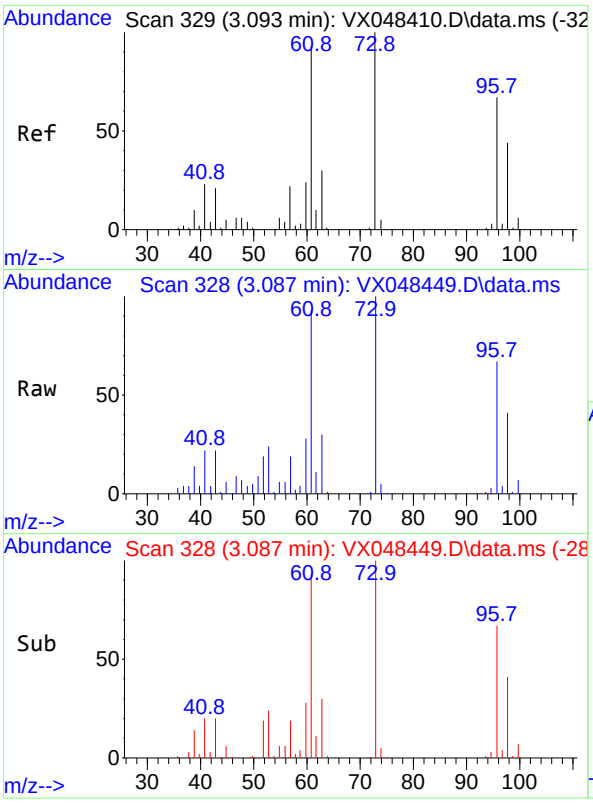


#20
Methylene Chloride
Concen: 17.086 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 84 Resp: 37062

Ion	Ratio	Lower	Upper
84	100		
49	131.5	104.1	156.1
51	37.1	31.3	46.9
86	65.8	51.3	76.9

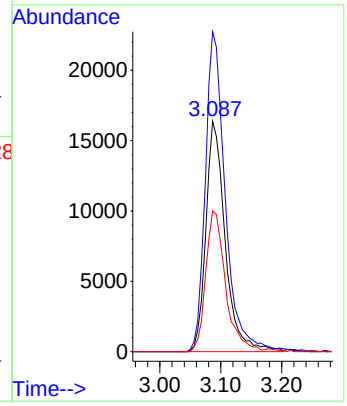




#21
trans-1,2-Dichloroethene
Concen: 16.939 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 96 Resp: 3615

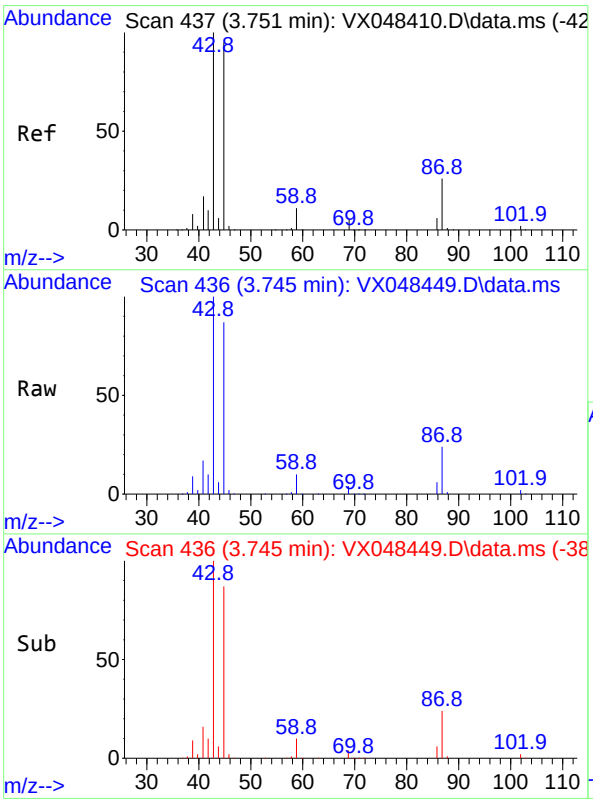
Ion	Ratio	Lower	Upper
96	100		
61	138.9	111.9	167.9
98	63.2	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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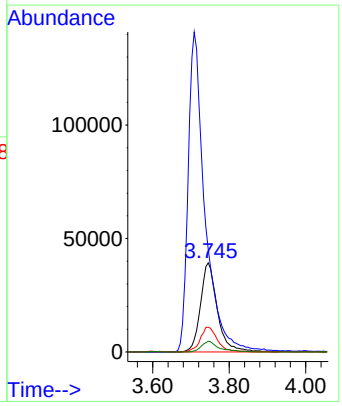
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

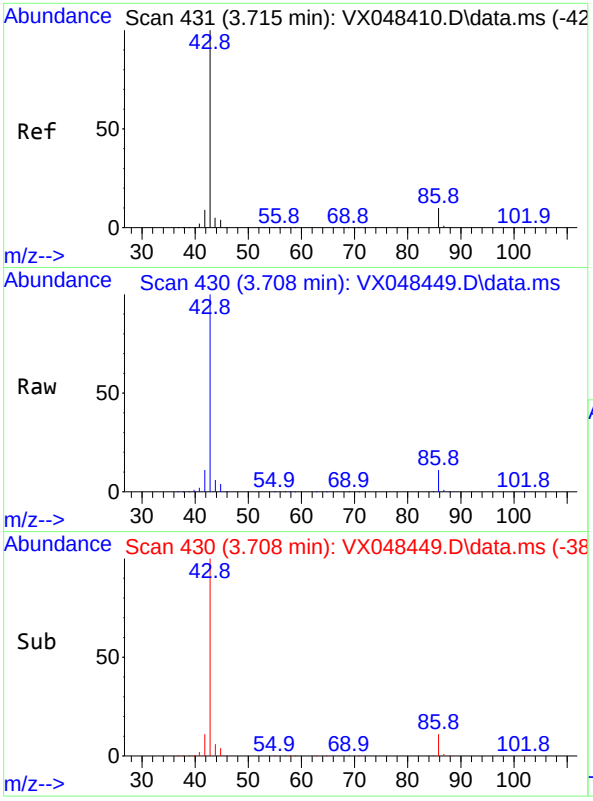


#22
Diisopropyl ether
Concen: 17.378 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 45 Resp: 121046

Ion	Ratio	Lower	Upper
45	100		
43	113.5	89.8	134.8
87	27.7	20.6	31.0
59	12.0	9.1	13.7





#23
Vinyl Acetate
Concen: 91.549 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

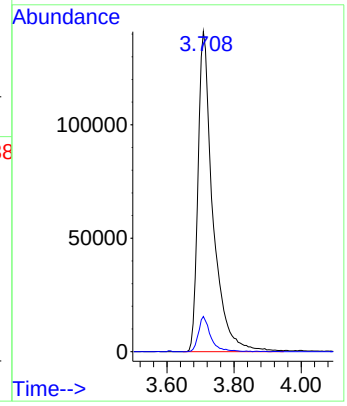
Tgt Ion: 43 Resp: 43407

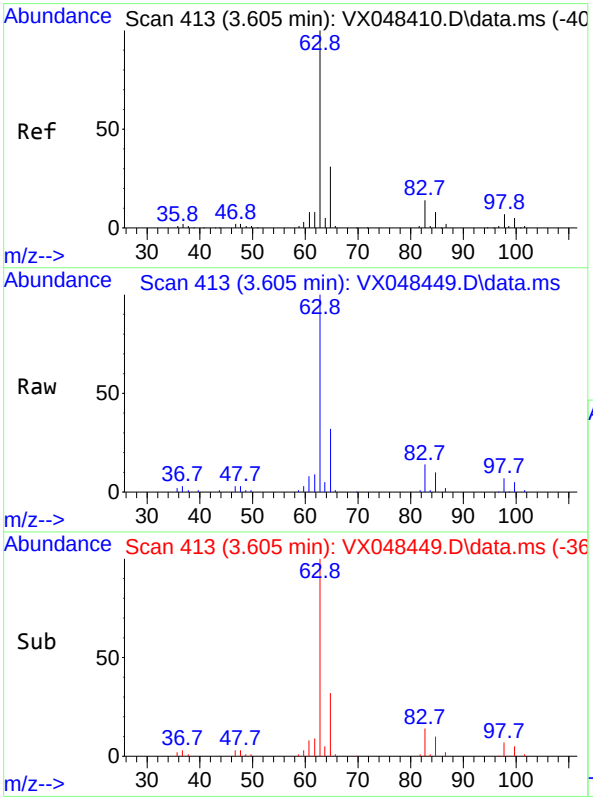
Ion	Ratio	Lower	Upper
43	100		
86	11.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

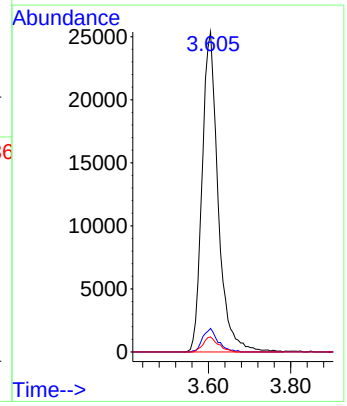


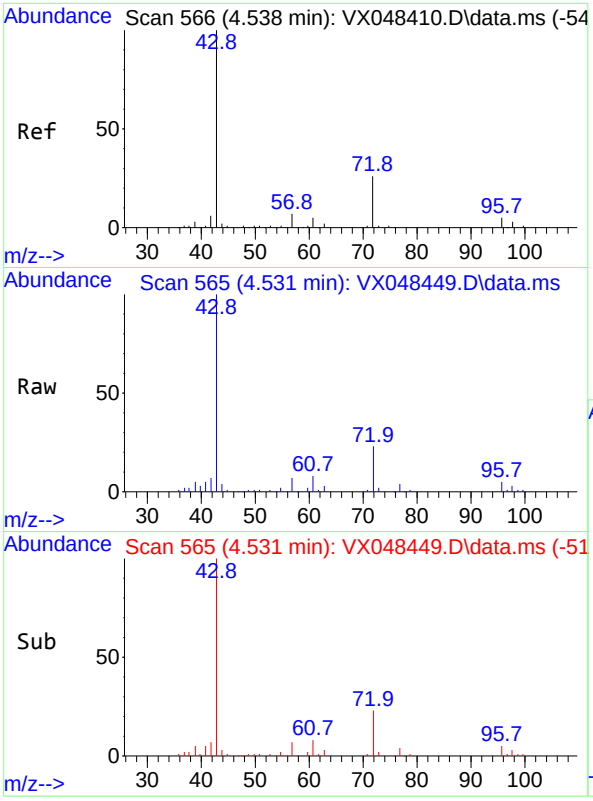


#24
1,1-Dichloroethane
Concen: 17.358 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 63 Resp: 68616

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.5	10.6
100	4.7	2.1	6.3

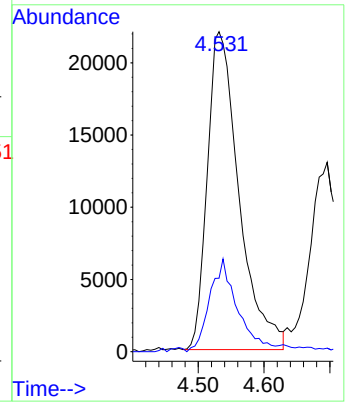




#25
2-Butanone
Concen: 81.958 ug/l
RT: 4.531 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 7367

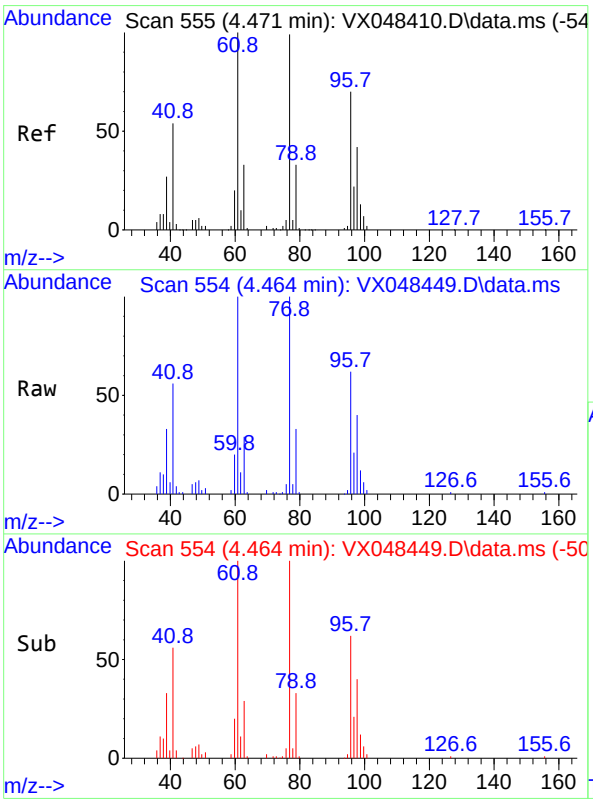
Ion	Ratio	Lower	Upper
43	100		
72	21.5	19.9	29.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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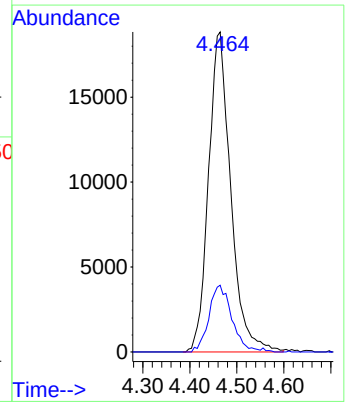
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

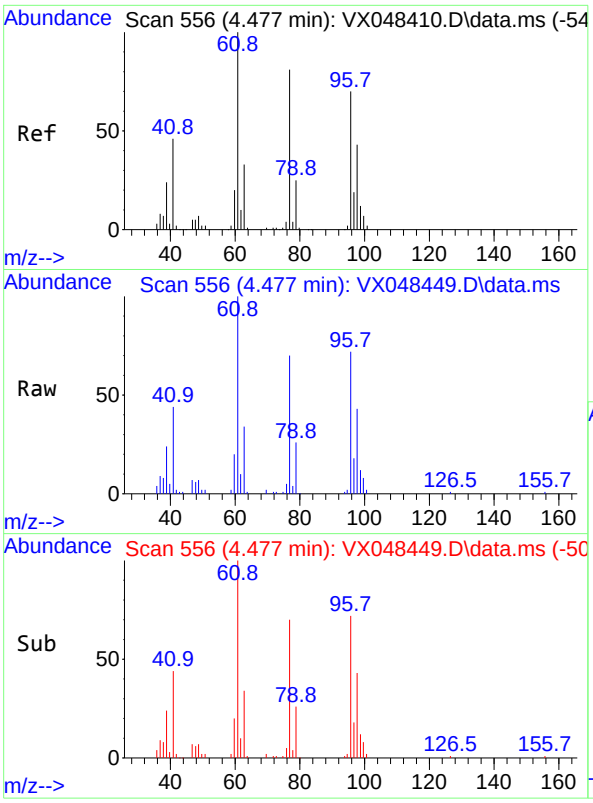


#26
2,2-Dichloropropane
Concen: 18.169 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 77 Resp: 61839

Ion	Ratio	Lower	Upper
77	100		
97	21.4	11.1	33.3

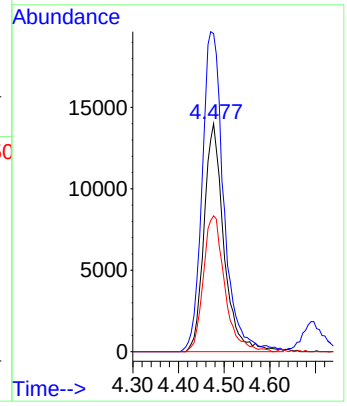




#27
cis-1,2-Dichloroethene
Concen: 16.618 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 96 Resp: 4233

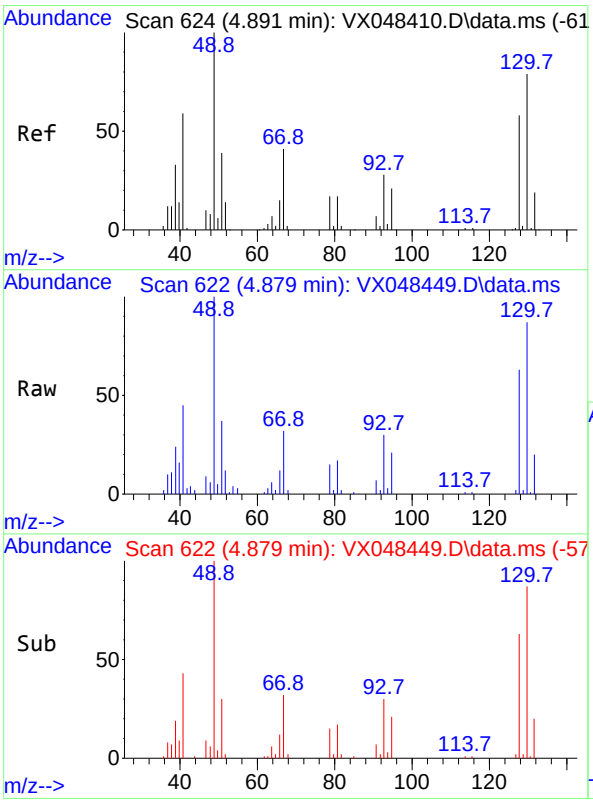
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	294.2
98	64.0	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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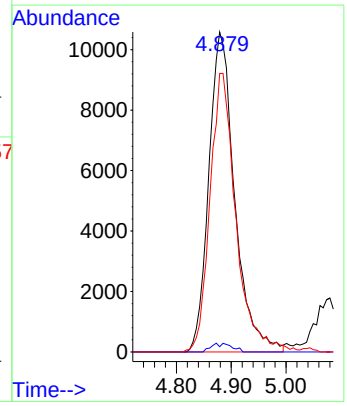
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

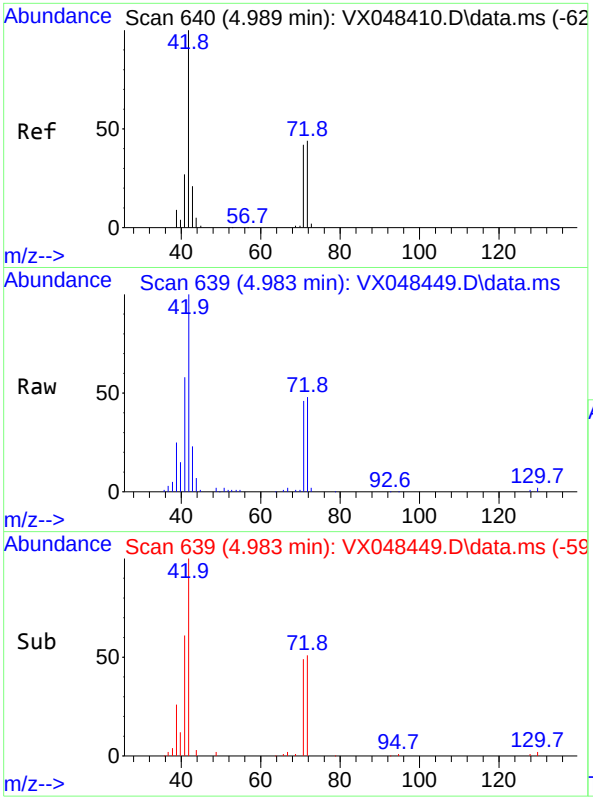


#28
Bromochloromethane
Concen: 19.347 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 49 Resp: 34659

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	87.2	59.3	88.9

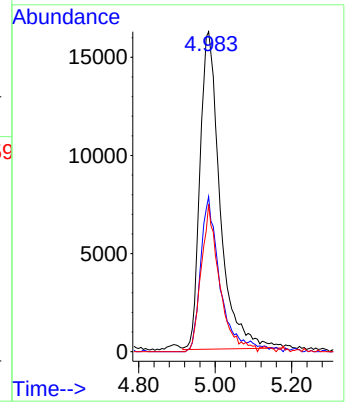




#29
Tetrahydrofuran
Concen: 92.438 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 42 Resp: 5917

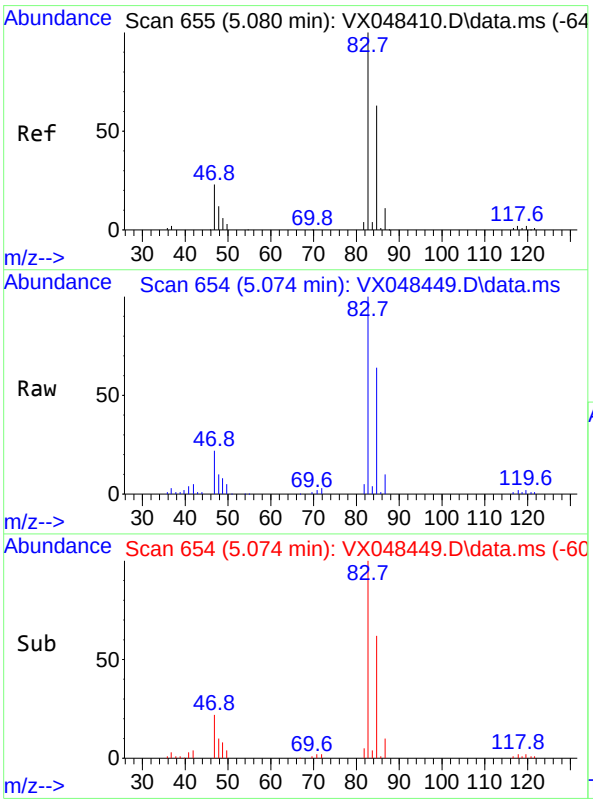
Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.3	52.9
71	42.3	32.2	48.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

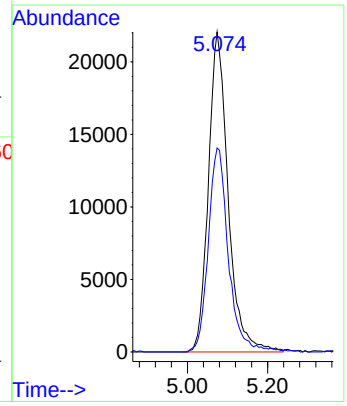
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

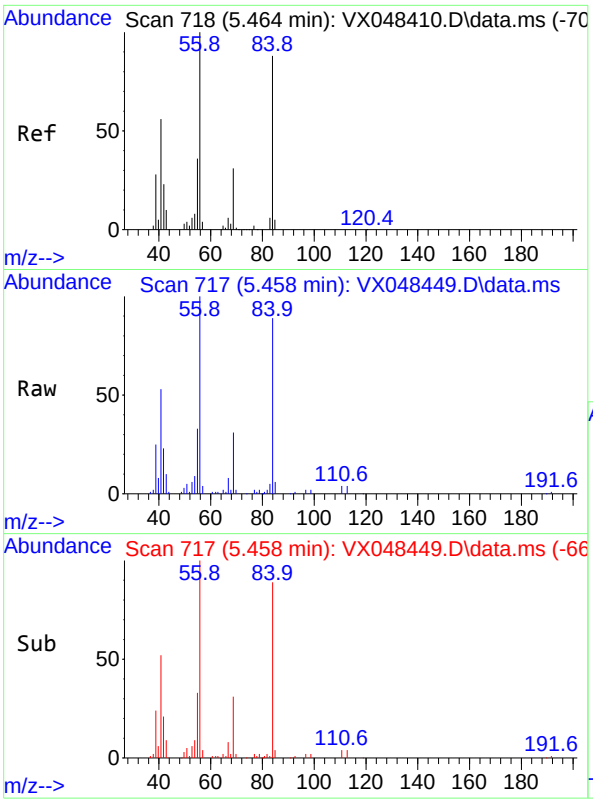


#30
Chloroform
Concen: 18.510 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 83 Resp: 75267

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1

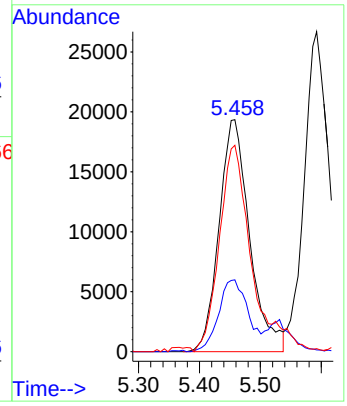




#31
Cyclohexane
Concen: 19.658 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 56 Resp: 6745

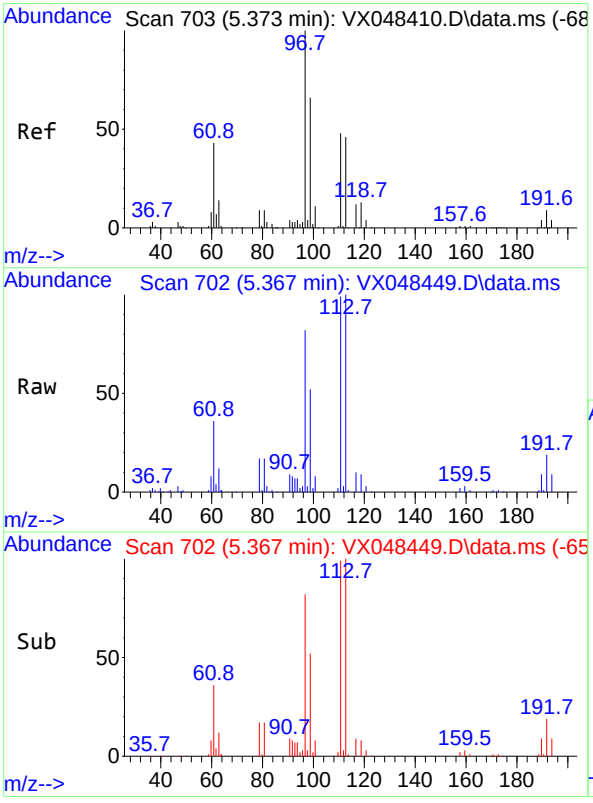
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.0	34.6
84	87.4	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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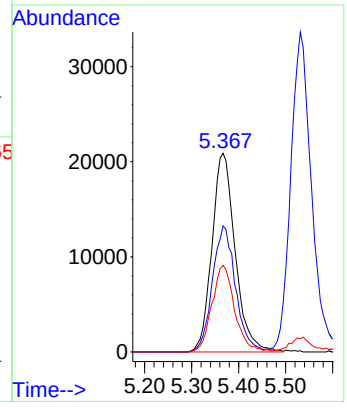
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

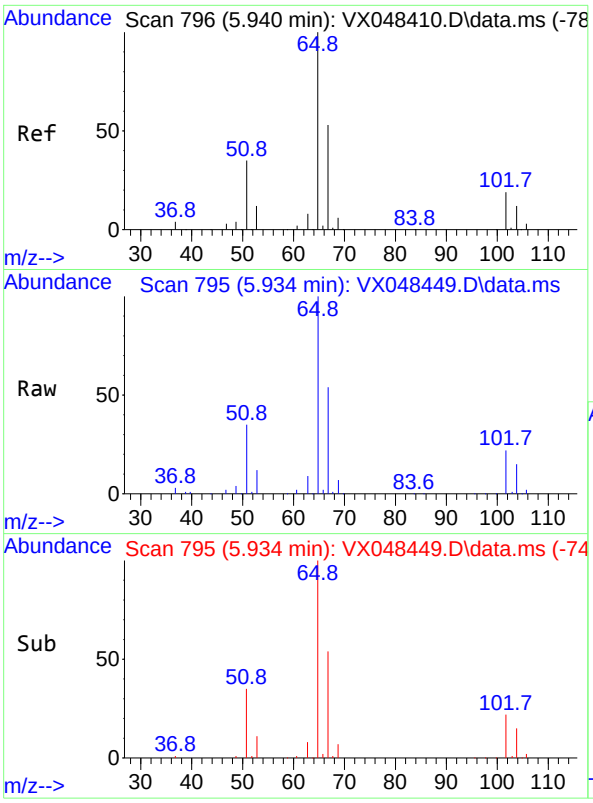


#32
1,1,1-Trichloroethane
Concen: 19.942 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 97 Resp: 71589

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.7	77.5
61	42.6	34.8	52.2

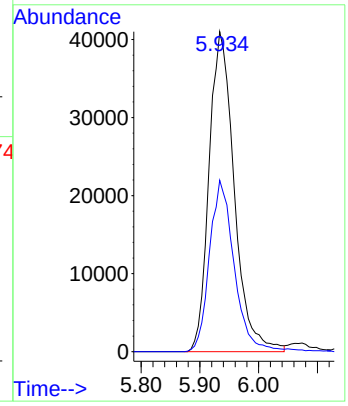




#33
1,2-Dichloroethane-d4
Concen: 49.081 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 65 Resp: 12186

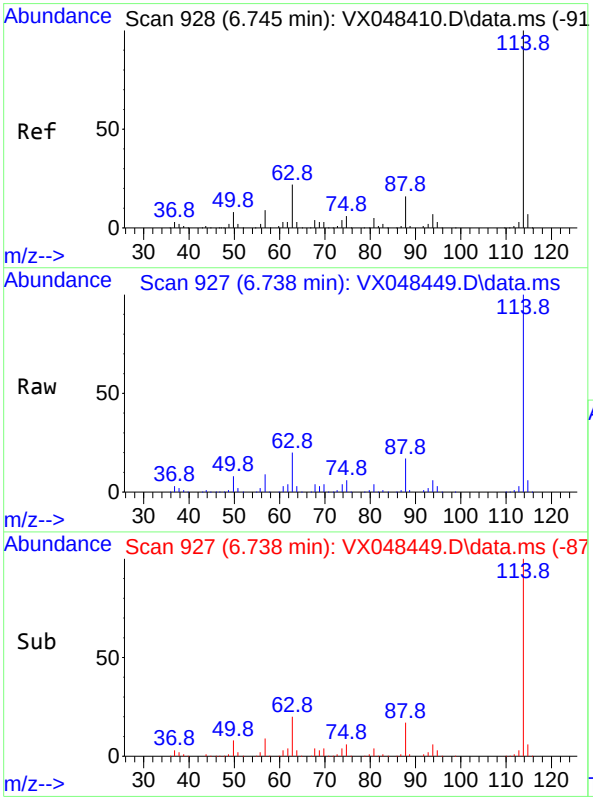
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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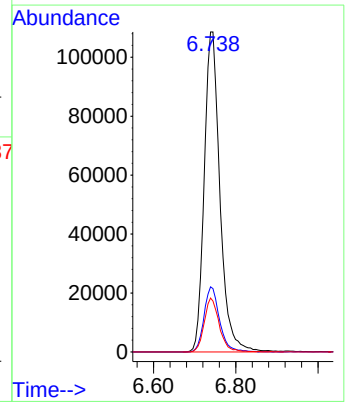
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

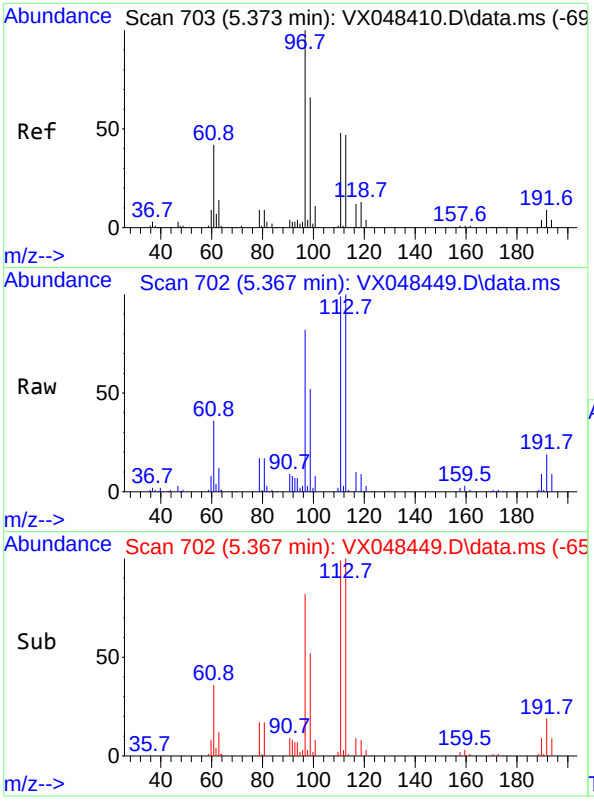


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:114 Resp: 288363

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.2
88	16.8	0.0	33.6

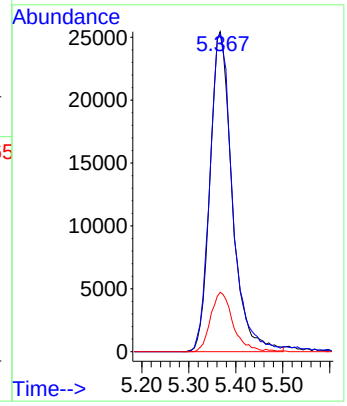




#35
Dibromofluoromethane
Concen: 50.685 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:113 Resp: 8332

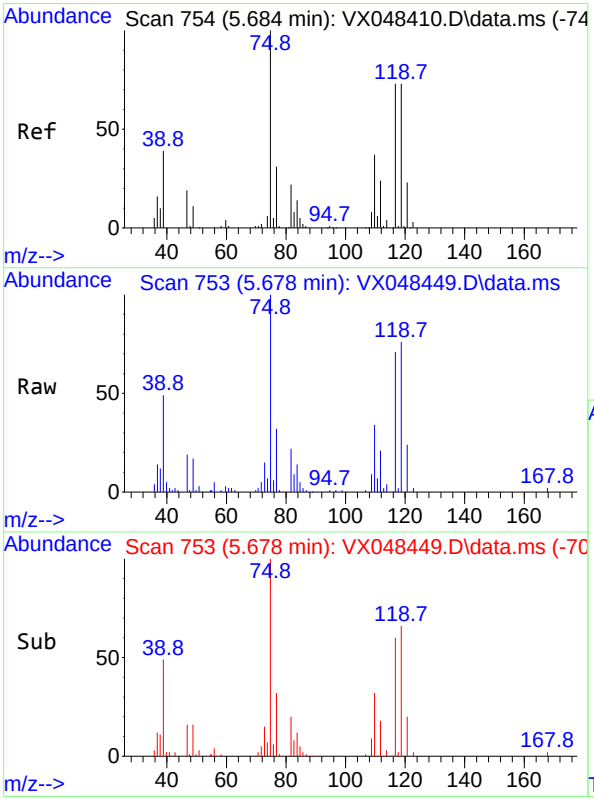
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.2	123.4
192	18.6	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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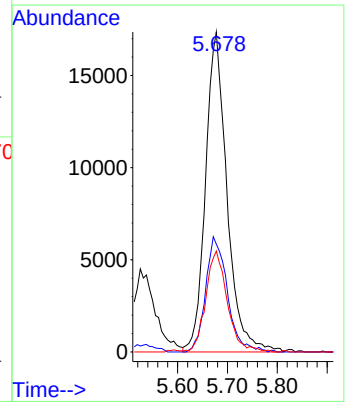
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

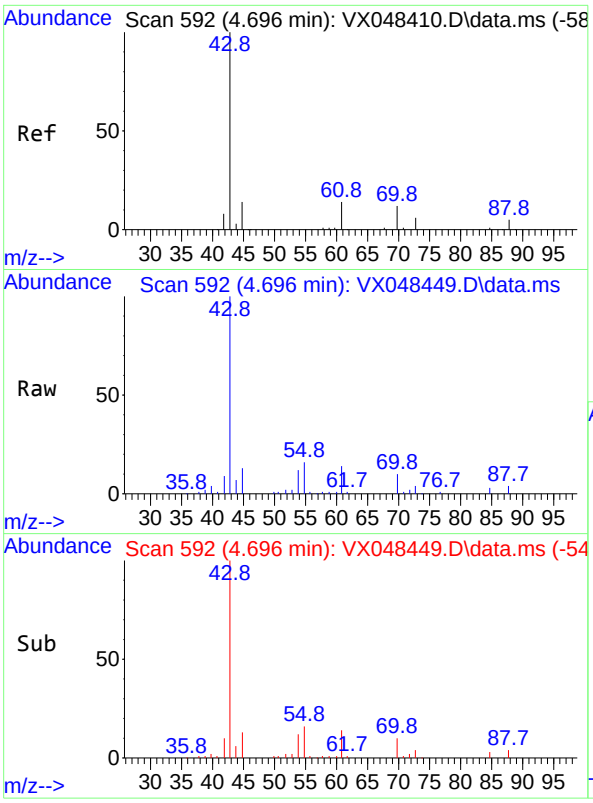


#36
1,1-Dichloropropene
Concen: 18.830 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 75 Resp: 51987

Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.7	53.1
77	31.7	24.3	36.5

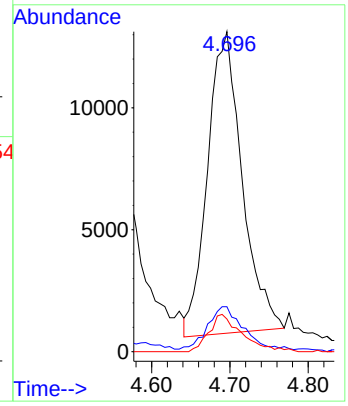




#37
Ethyl Acetate
Concen: 16.144 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 3797

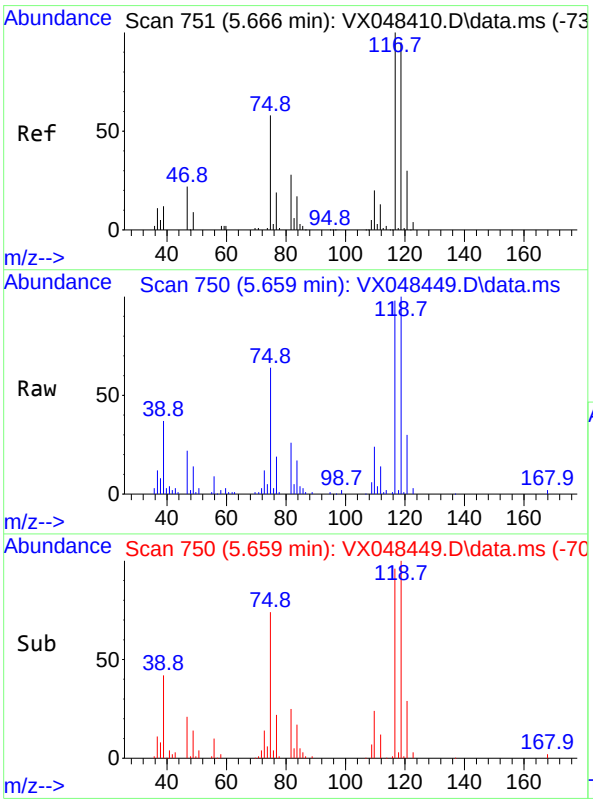
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.6	15.8
70	11.9	7.8	11.6



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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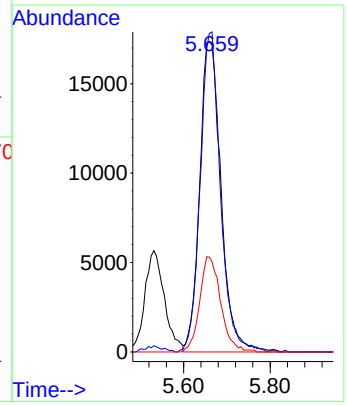
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

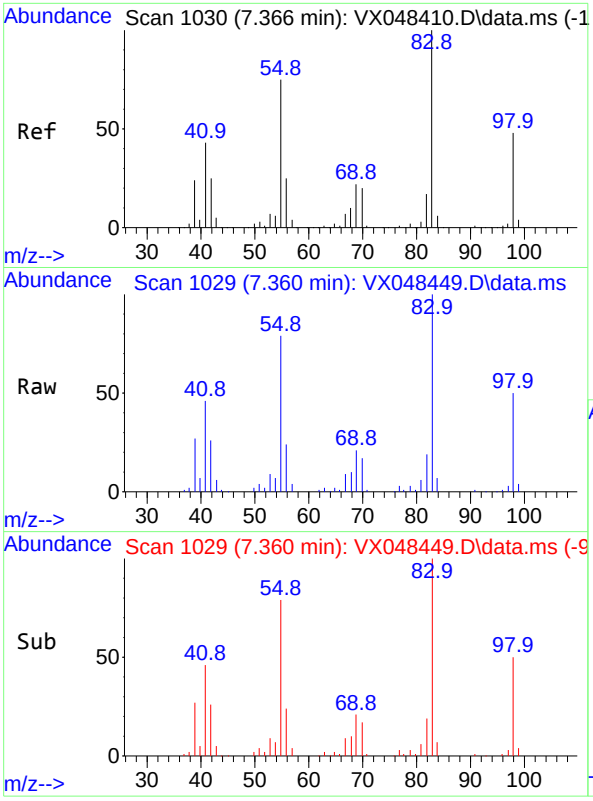


#38
Carbon Tetrachloride
Concen: 18.657 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:117 Resp: 59473

Ion	Ratio	Lower	Upper
117	100		
119	102.2	77.2	115.8
121	30.6	24.8	37.2

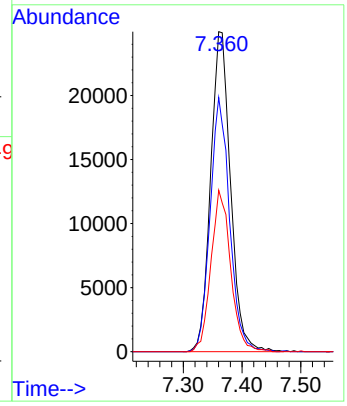




#39
Methylcyclohexane
Concen: 16.561 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 83 Resp: 5879

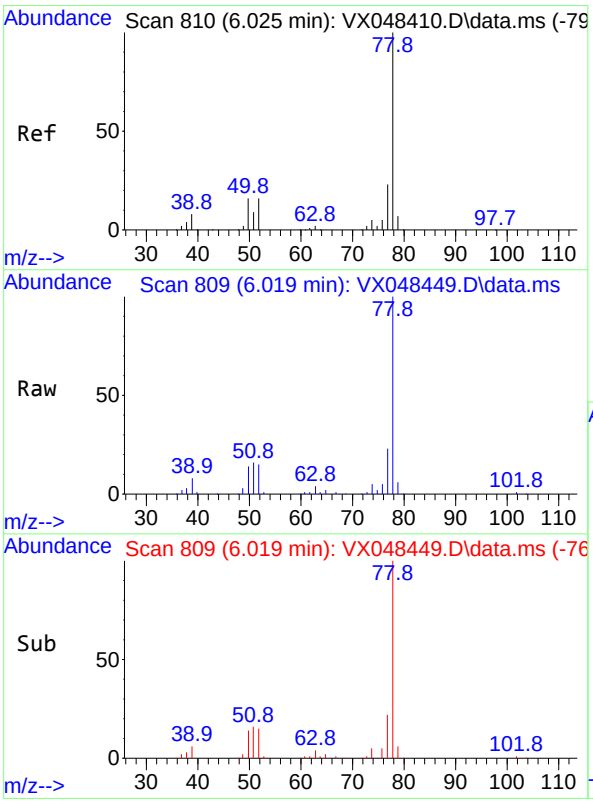
Ion	Ratio	Lower	Upper
83	100		
55	79.4	66.2	99.2
98	50.5	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

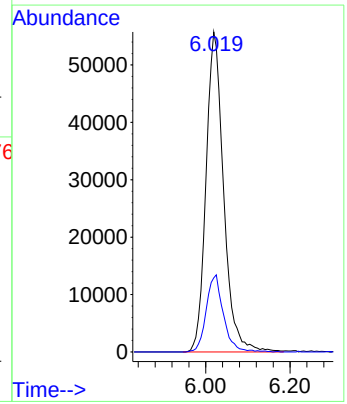
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

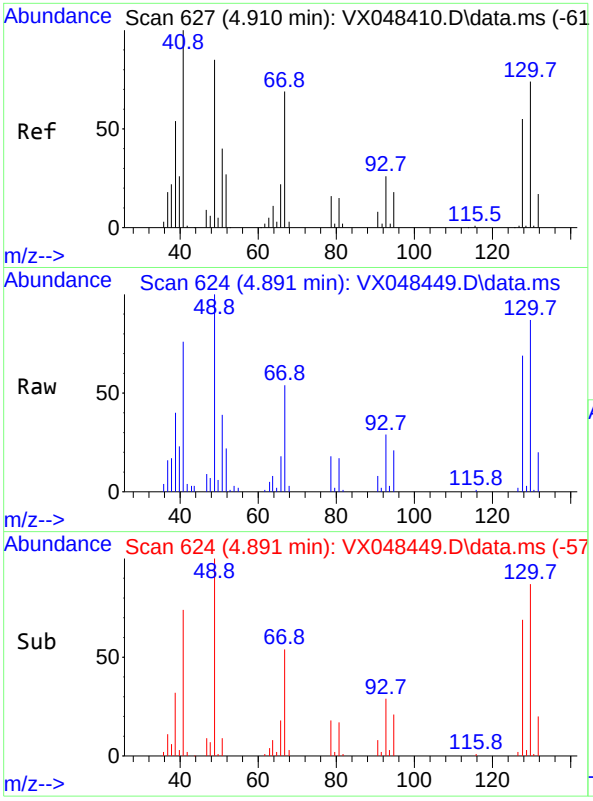


#40
Benzene
Concen: 19.235 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 78 Resp: 162239

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9

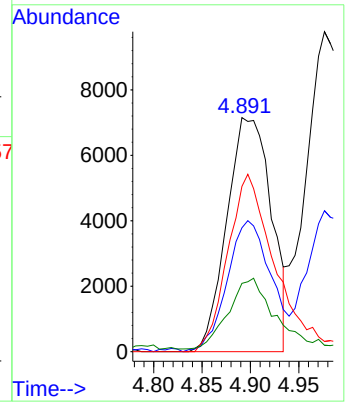




#41
Methacrylonitrile
Concen: 19.335 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.018 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 41 Resp: 2290

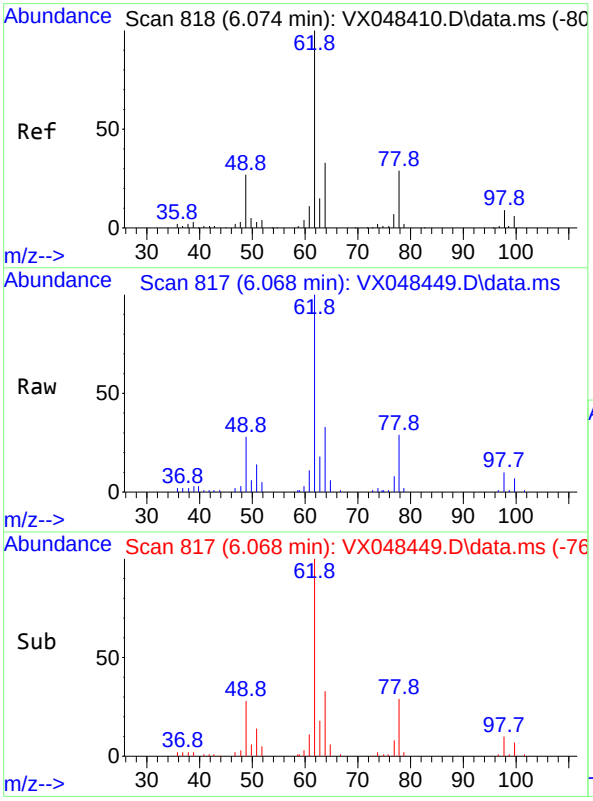
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.0	66.0
67	83.7	58.7	88.1
52	32.2	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

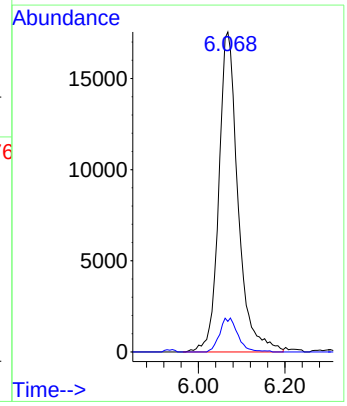
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

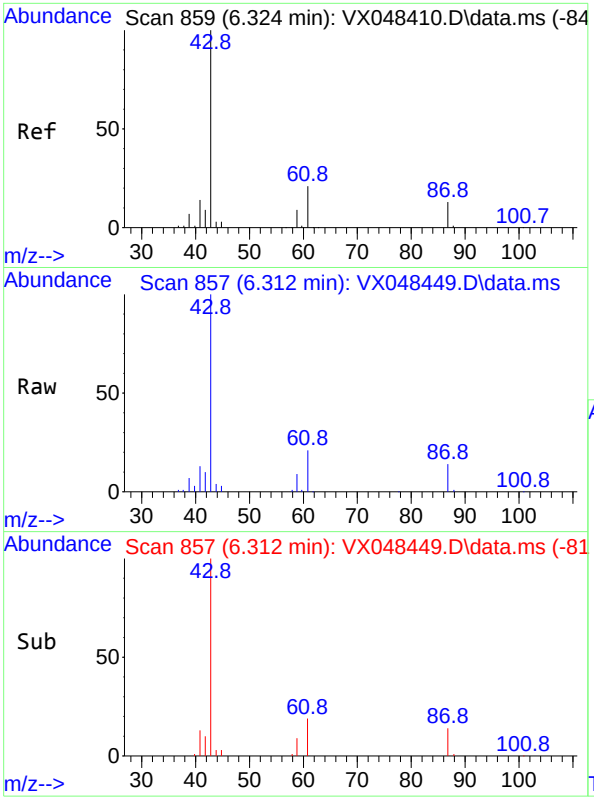


#42
1,2-Dichloroethane
Concen: 18.208 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 62 Resp: 54093

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	17.2

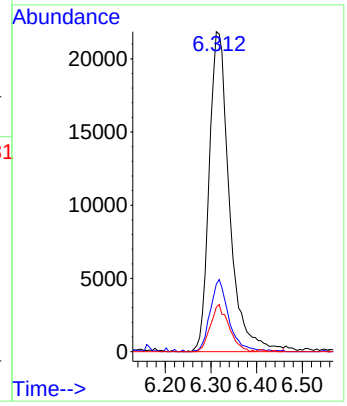




#43
Isopropyl Acetate
Concen: 17.300 ug/l
RT: 6.312 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 6718

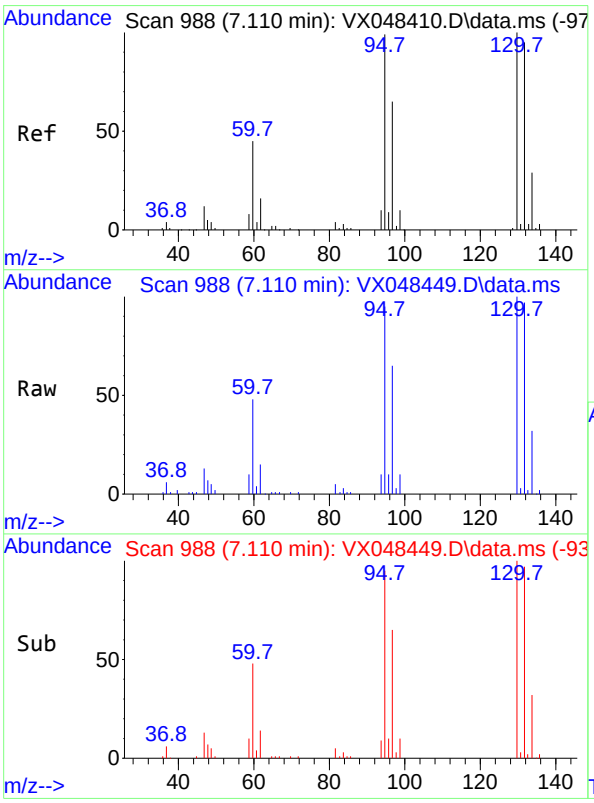
Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.9	22.3
87	13.5	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

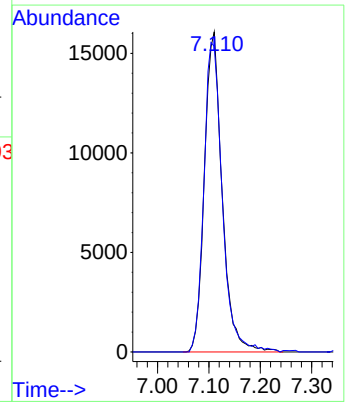
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

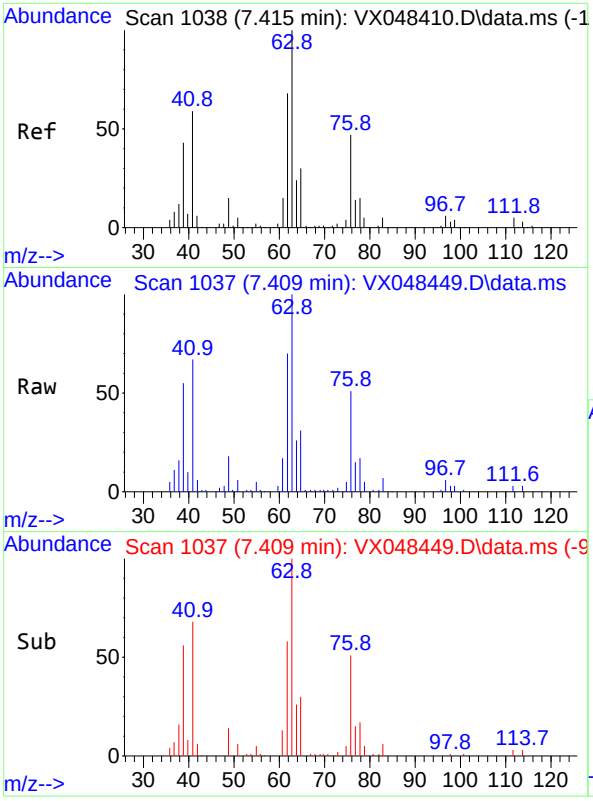


#44
Trichloroethene
Concen: 17.463 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:130 Resp: 38591

Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	200.6

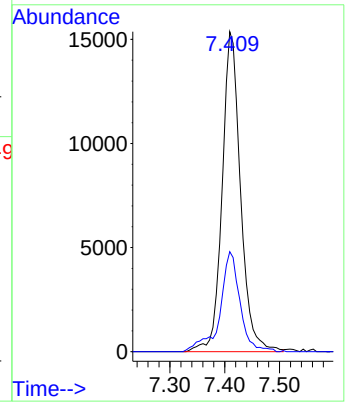




#45
1,2-Dichloropropane
Concen: 17.059 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 63 Resp: 3593

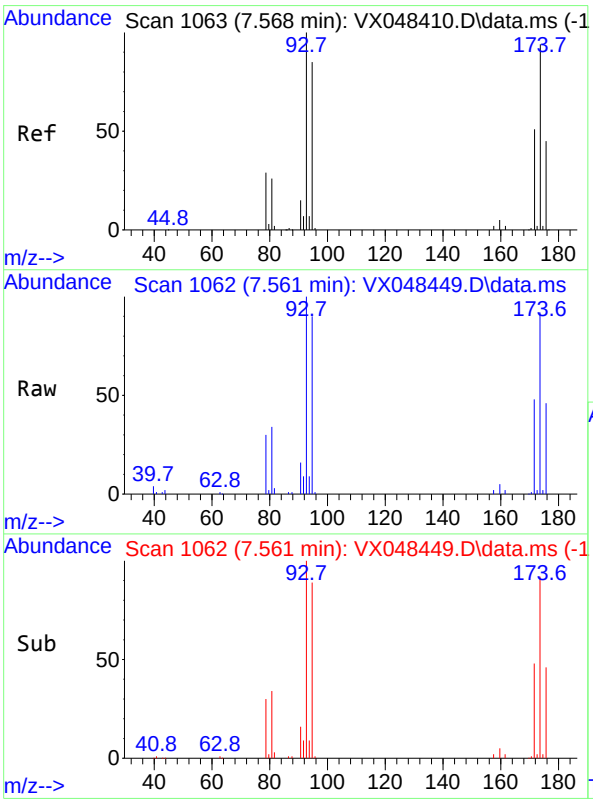
Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

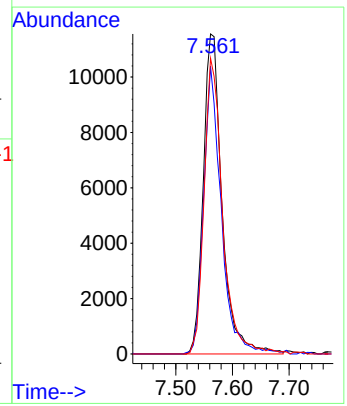
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

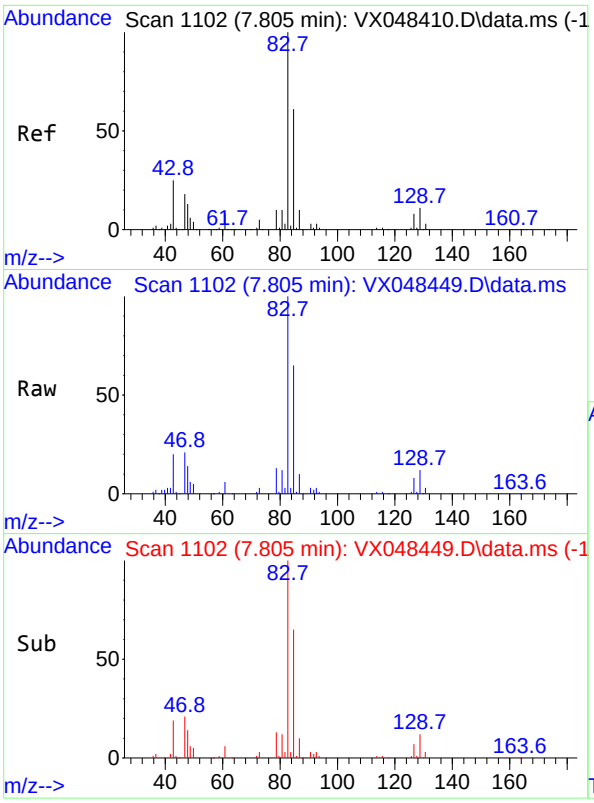


#46
Dibromomethane
Concen: 18.074 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 93 Resp: 26652

Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.9	98.9
174	90.9	71.7	107.5

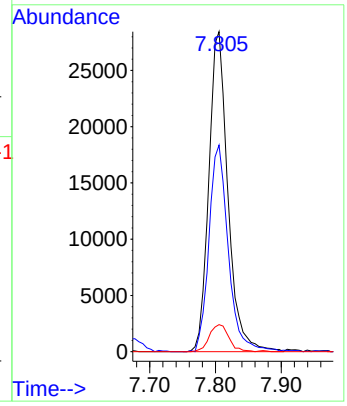




#47
Bromodichloromethane
Concen: 18.338 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 83 Resp: 5745

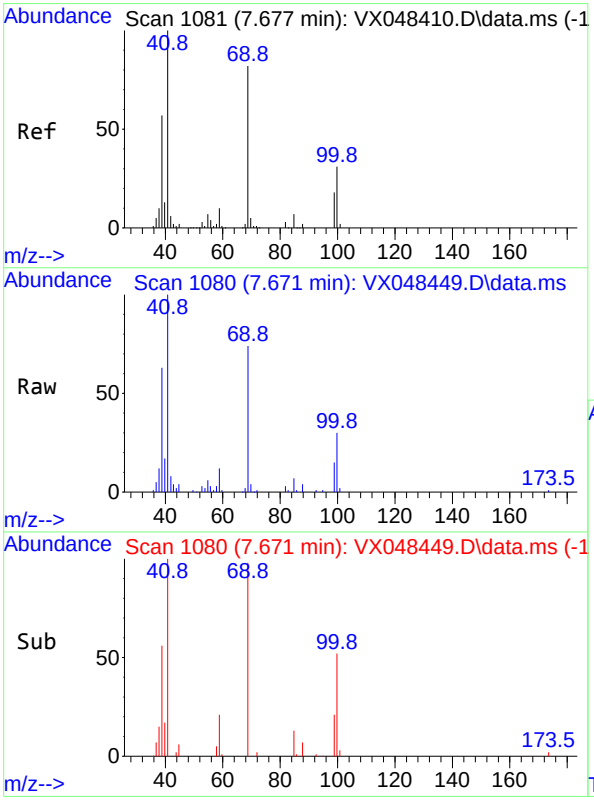
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4
127	8.5	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

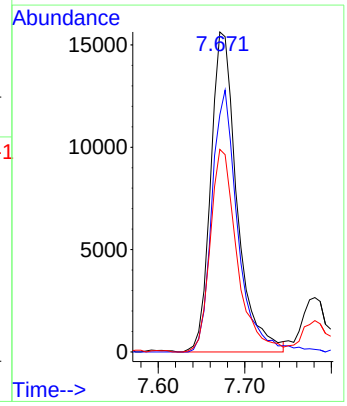
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

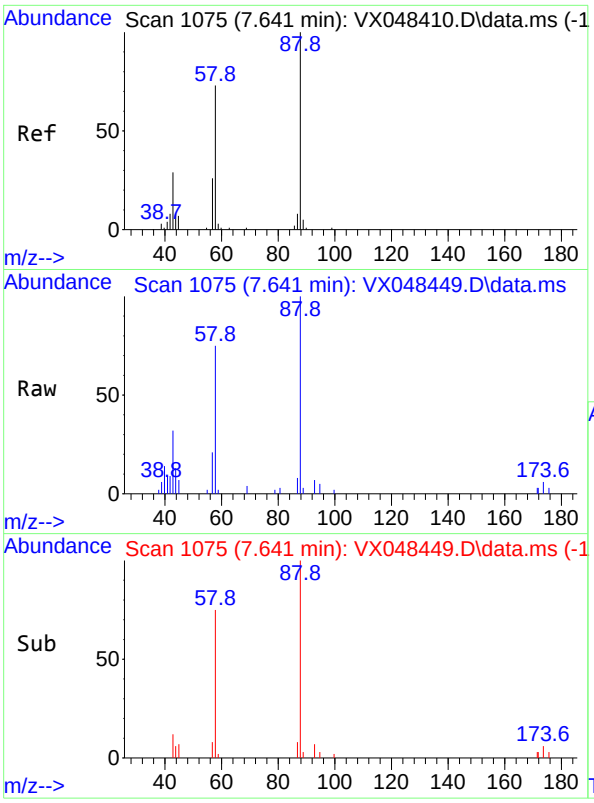


#48
Methyl methacrylate
Concen: 17.420 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 41 Resp: 32991

Ion	Ratio	Lower	Upper
41	100		
69	80.8	63.4	95.0
39	64.3	47.1	70.7

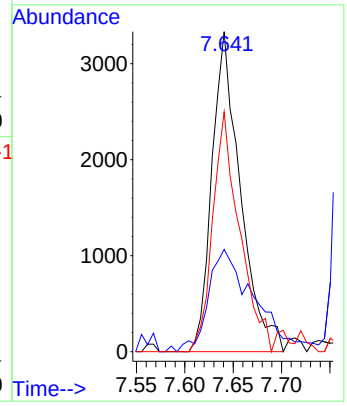




#49
1,4-Dioxane
Concen: 316.132 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 88 Resp: 680

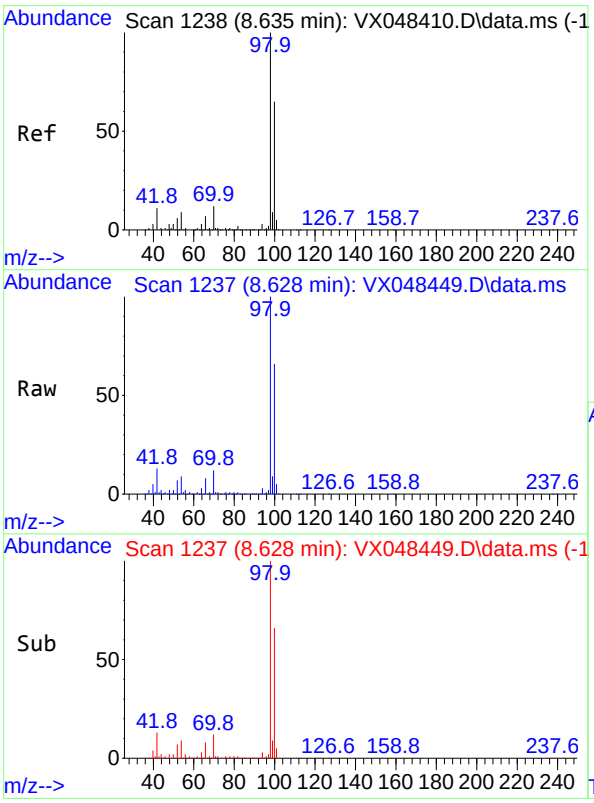
Ion	Ratio	Lower	Upper
88	100		
43	52.6	35.0	52.4
58	70.8	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations APPROVED

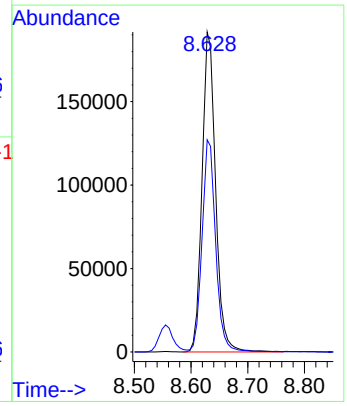
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

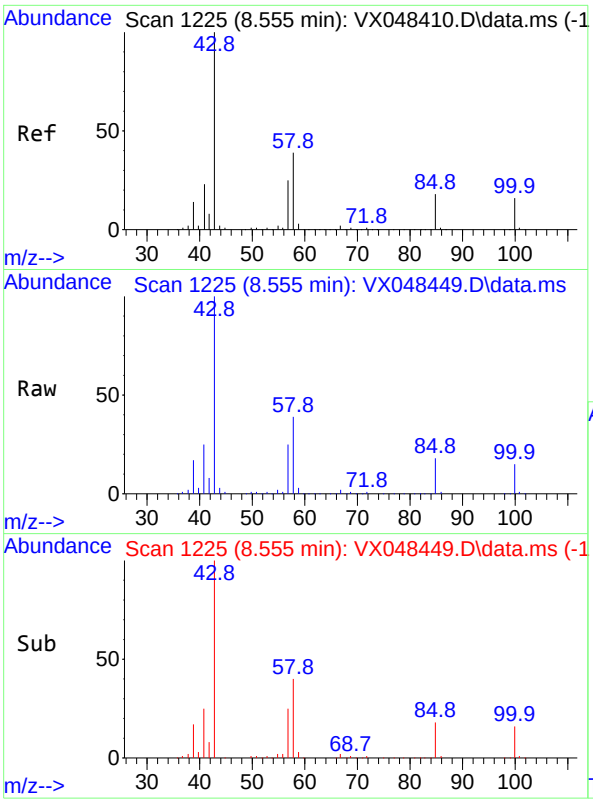


#50
Toluene-d8
Concen: 43.836 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 98 Resp: 318132

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4

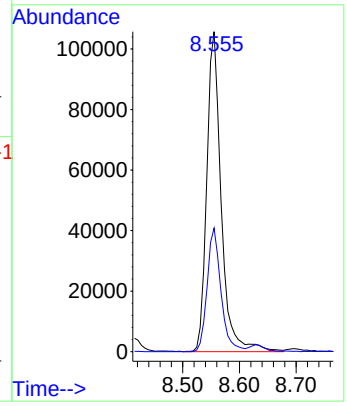




#51
4-Methyl-2-Pentanone
Concen: 86.596 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 18715

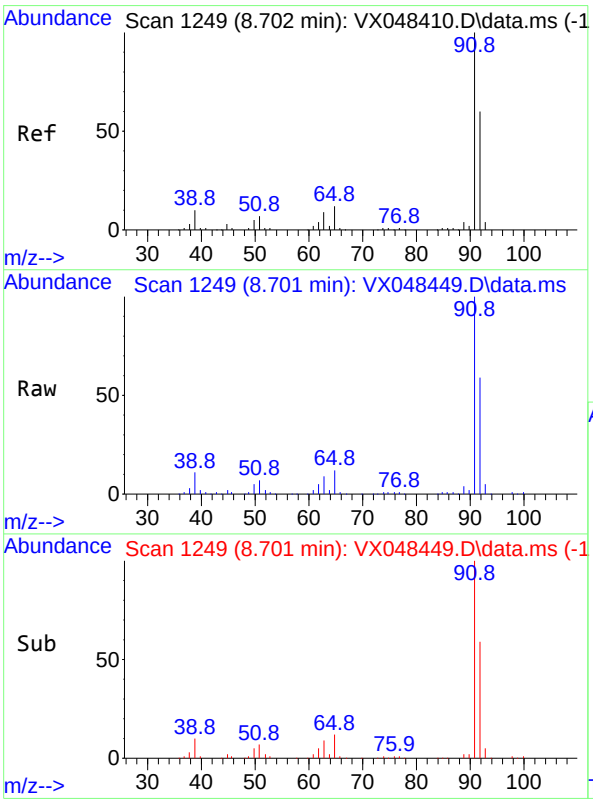
Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

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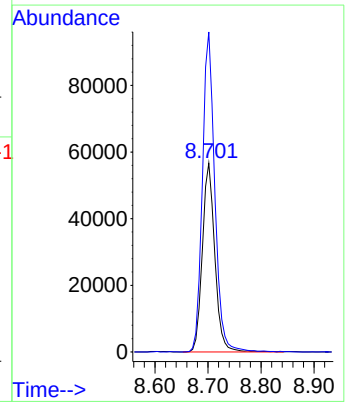
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

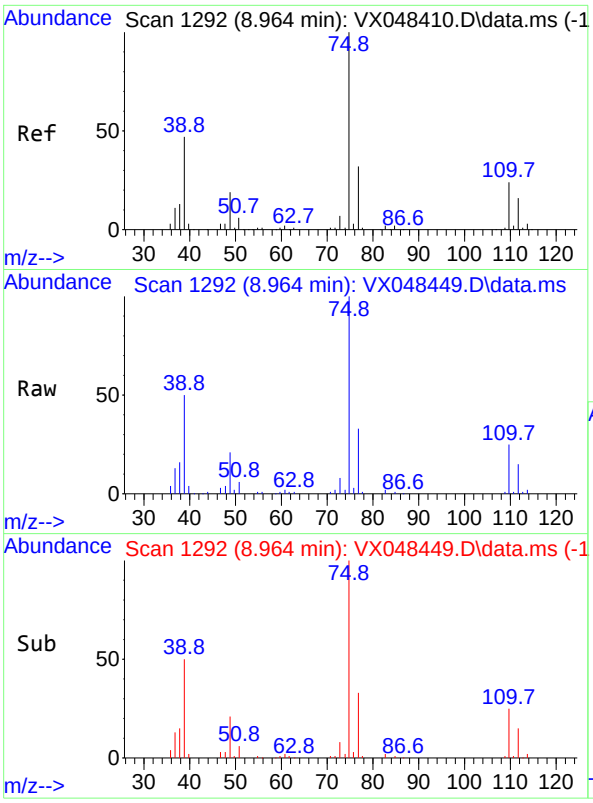


#52
Toluene
Concen: 17.597 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 92 Resp: 92741

Ion	Ratio	Lower	Upper
92	100		
91	168.3	136.1	204.1

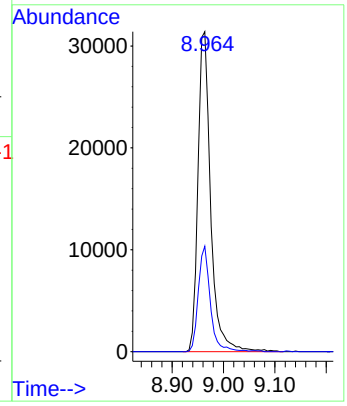




#53
t-1,3-Dichloropropene
Concen: 18.954 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 75 Resp: 5382

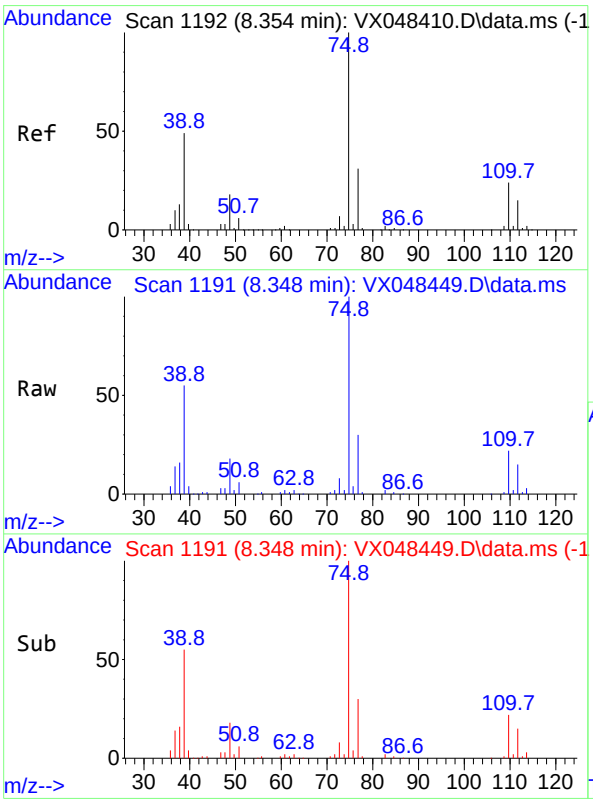
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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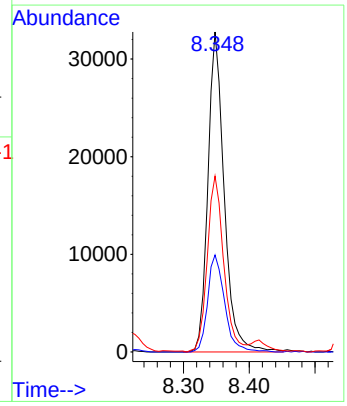
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

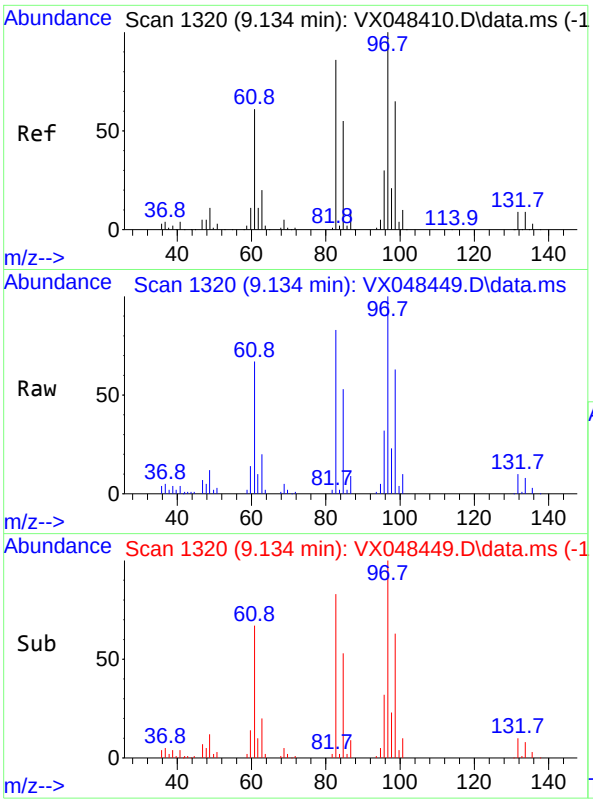


#54
cis-1,3-Dichloropropene
Concen: 18.447 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 75 Resp: 56442

Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.9	37.3
39	54.6	42.6	64.0

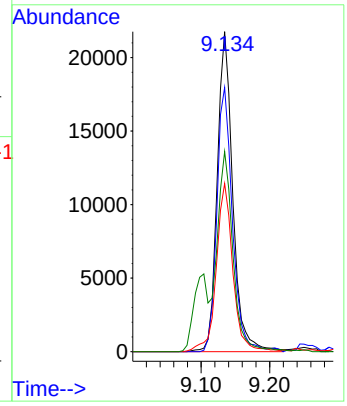




#55
1,1,2-Trichloroethane
Concen: 17.981 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 97 Resp: 3429

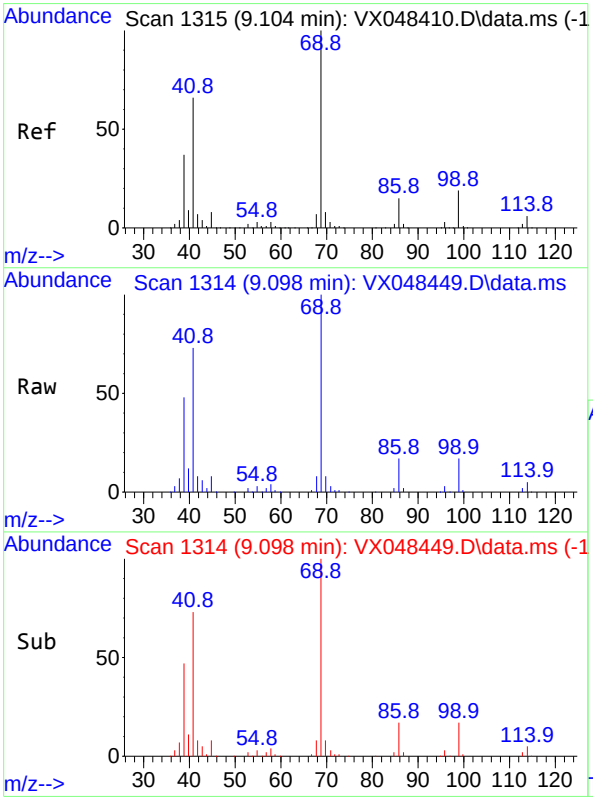
Ion	Ratio	Lower	Upper
97	100		
83	82.6	70.6	105.8
85	52.5	45.0	67.6
99	62.3	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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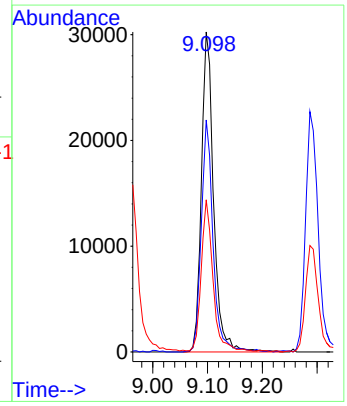
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

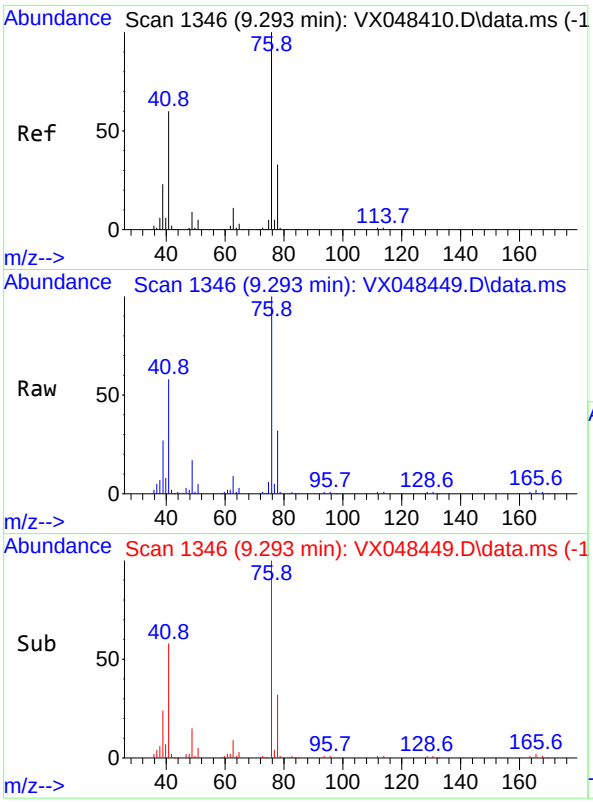


#56
Ethyl methacrylate
Concen: 16.775 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 69 Resp: 46849

Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.0	84.0
39	45.3	31.6	47.4

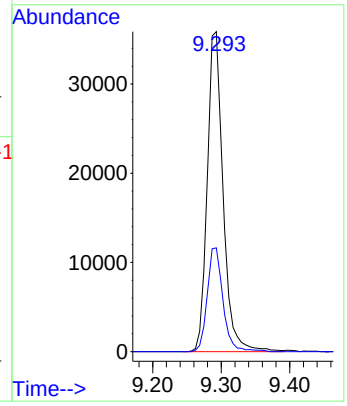




#57
1,3-Dichloropropane
Concen: 17.497 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 76 Resp: 5786

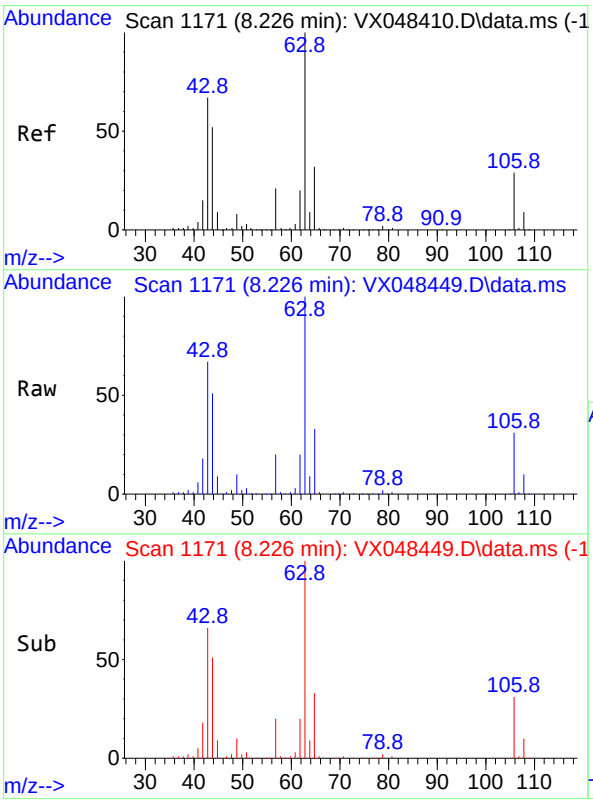
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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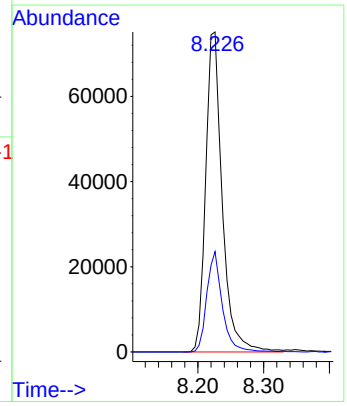
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

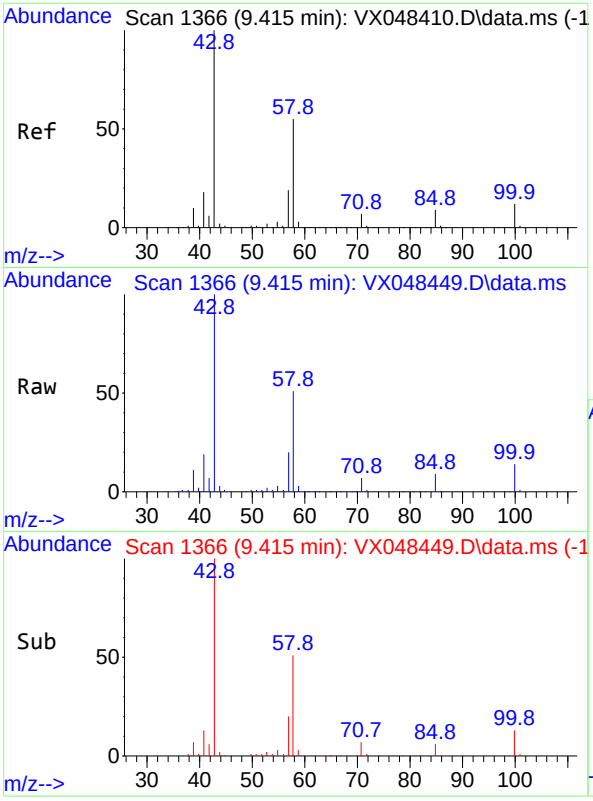


#58
2-Chloroethyl Vinyl ether
Concen: 85.428 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 63 Resp: 131528

Ion	Ratio	Lower	Upper
63	100		
106	29.5	22.2	33.2

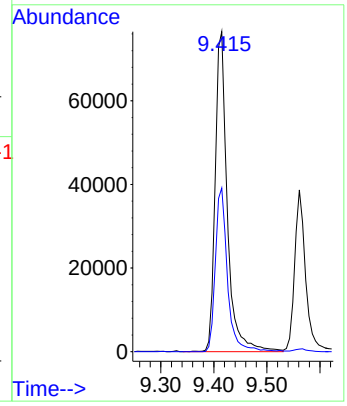




#59
2-Hexanone
Concen: 86.371 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 12146

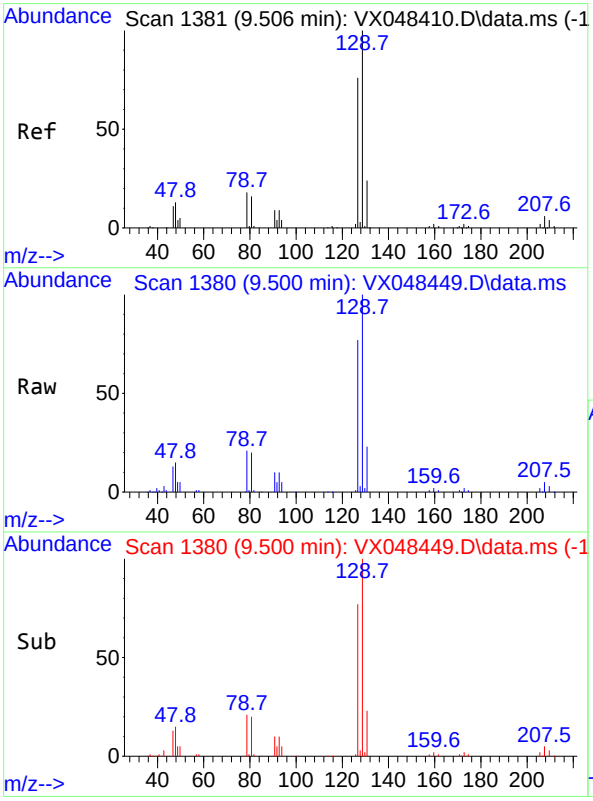
Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.3	78.8



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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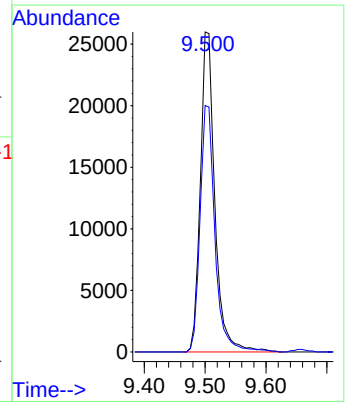
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

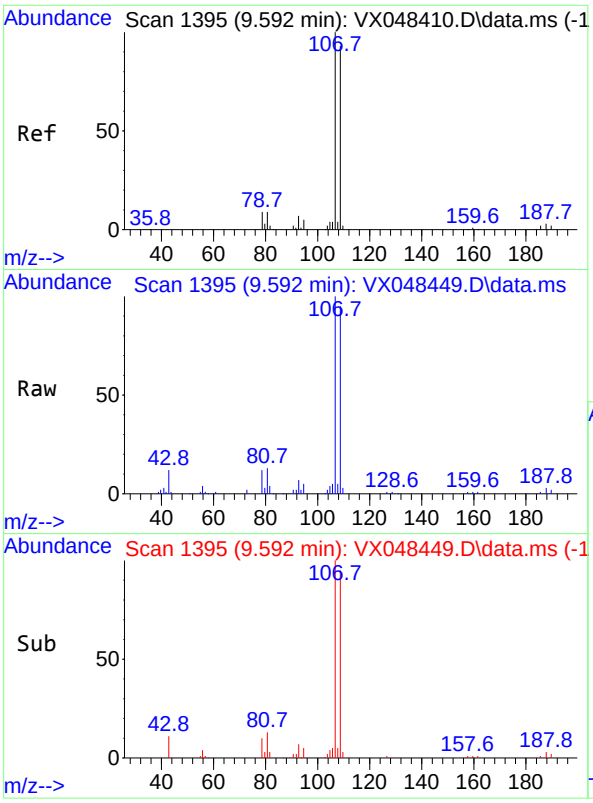


#60
Dibromochloromethane
Concen: 18.197 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:129 Resp: 42924

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.6	115.7

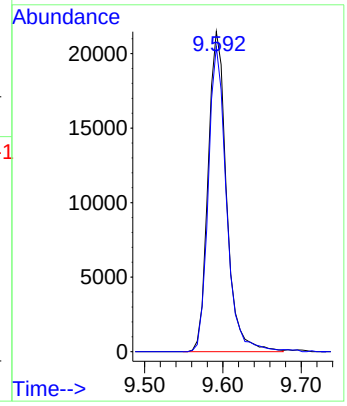




#61
1,2-Dibromoethane
Concen: 17.775 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:107 Resp: 3507

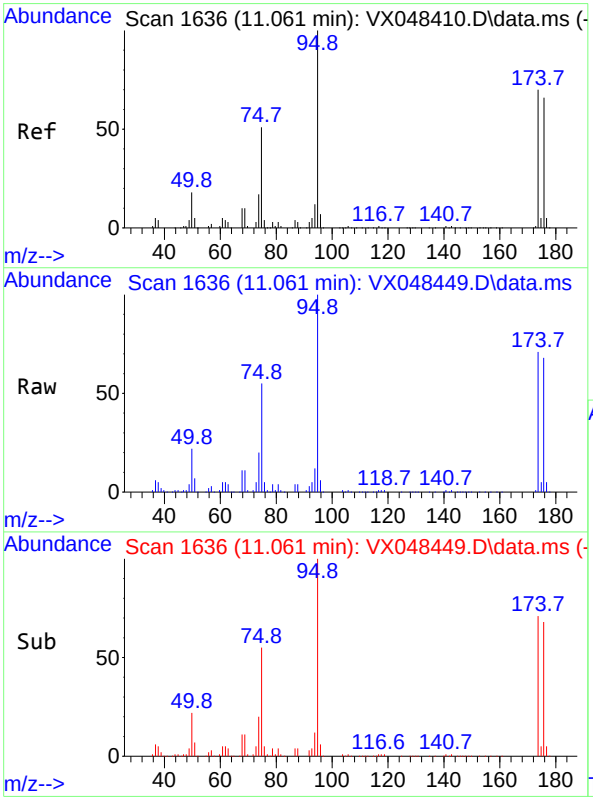
Ion	Ratio	Lower	Upper
107	100		
109	94.0	77.0	115.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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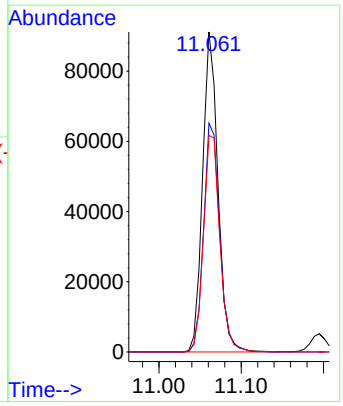
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

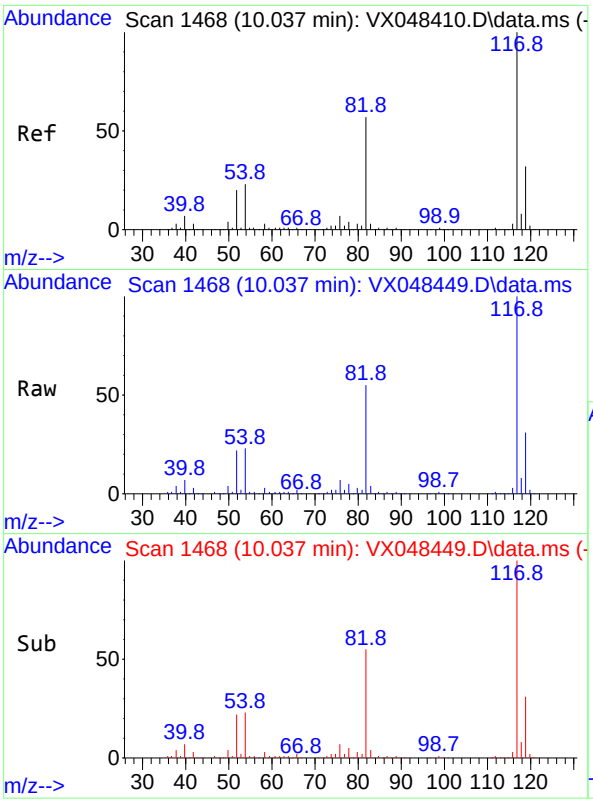


#62
4-Bromofluorobenzene
Concen: 43.506 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 95 Resp: 118111

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	147.8
176	72.4	0.0	142.8

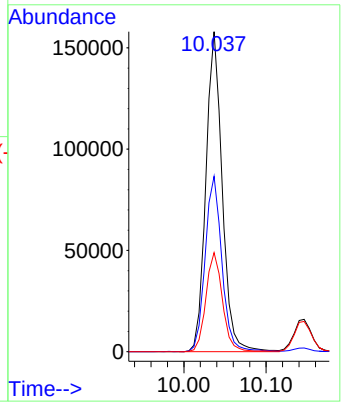




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:117 Resp: 21774

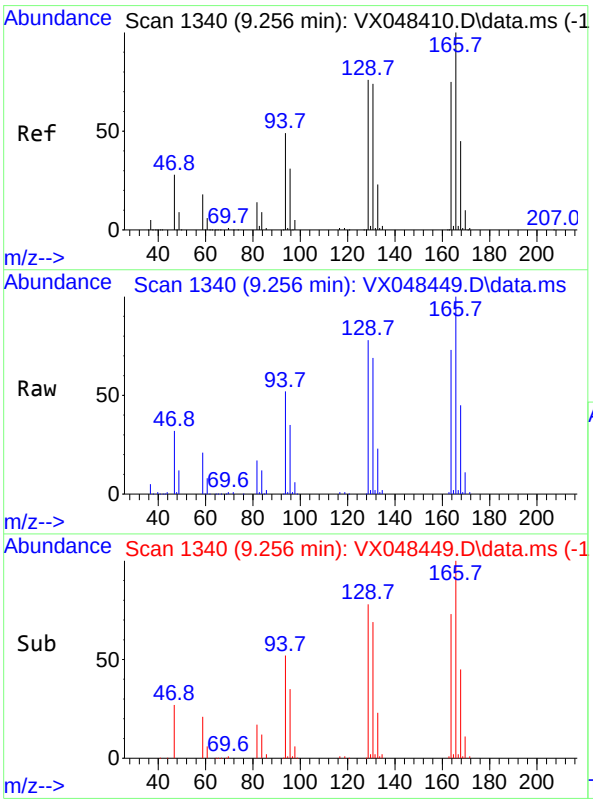
Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.5	69.7
119	31.0	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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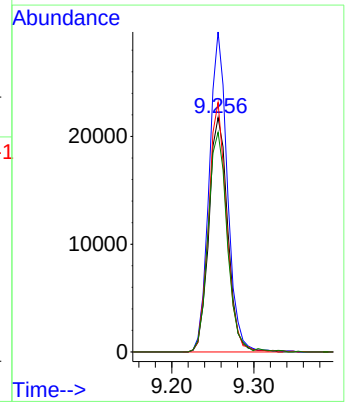
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

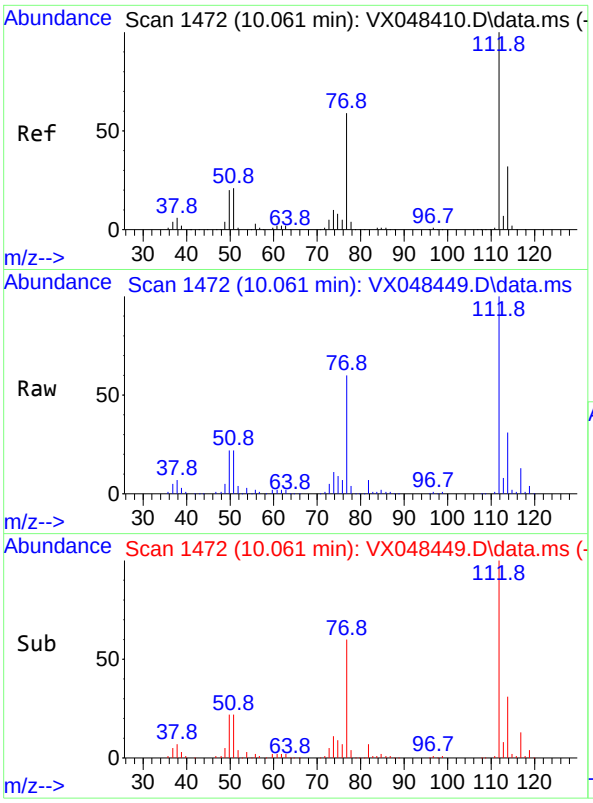


#64
Tetrachloroethene
Concen: 19.753 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:164 Resp: 34637

Ion	Ratio	Lower	Upper
164	100		
166	136.5	104.5	156.7
129	106.5	81.8	122.6
131	93.7	77.0	115.6

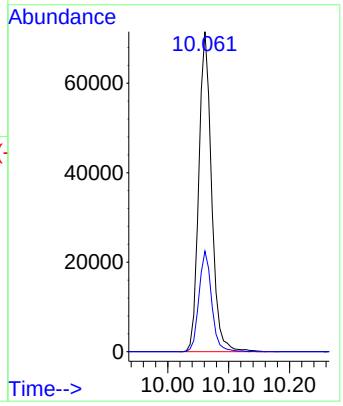




#65
Chlorobenzene
Concen: 20.711 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:112 Resp: 10389

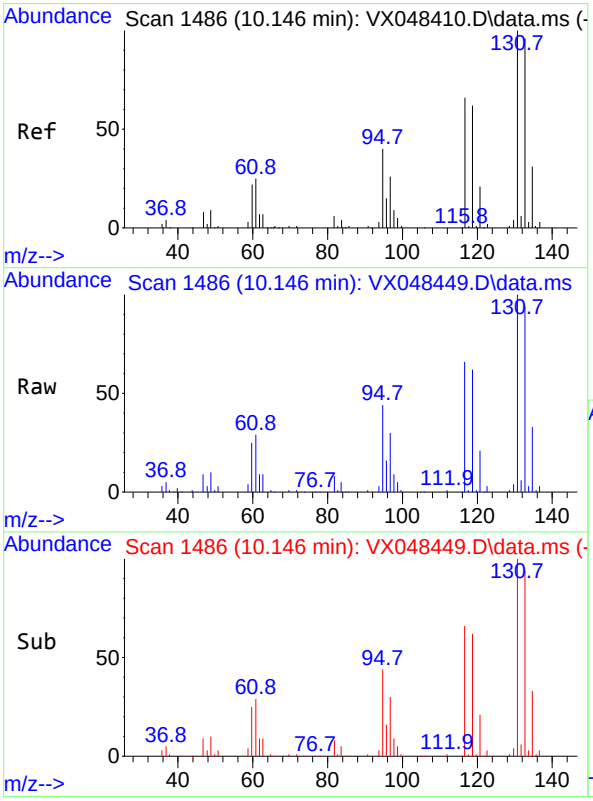
Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
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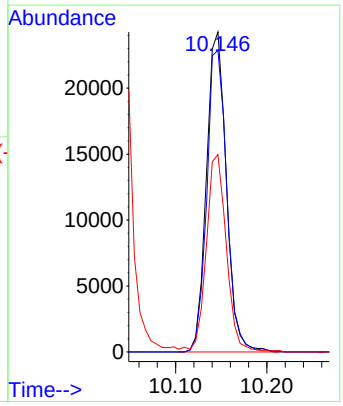
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

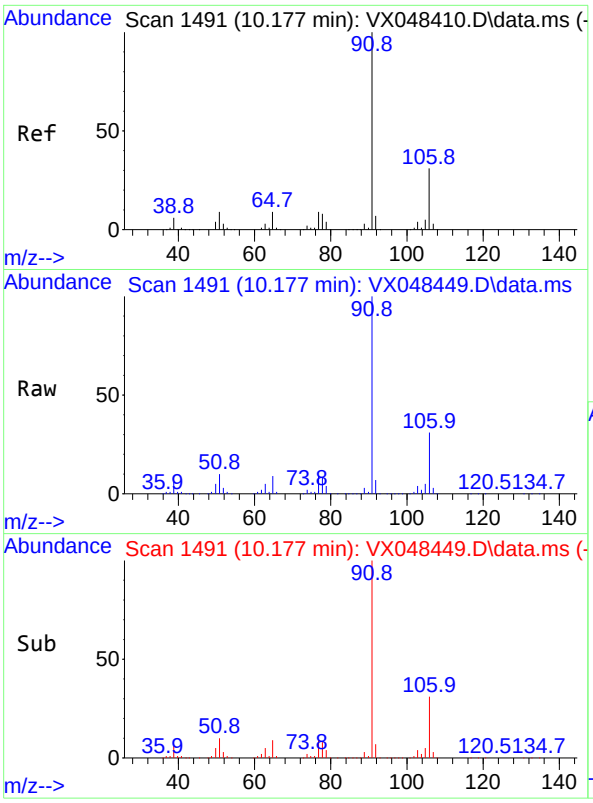


#66
1,1,1,2-Tetrachloroethane
Concen: 21.465 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:131 Resp: 36626

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.6	142.8
119	62.6	32.5	97.5

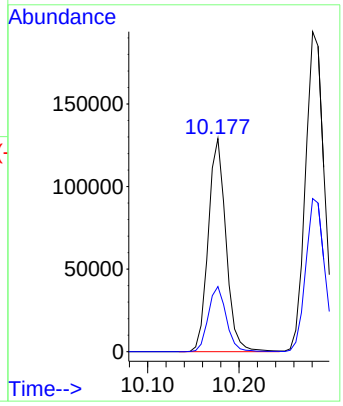




#67
Ethyl Benzene
Concen: 20.541 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 91 Resp: 17348

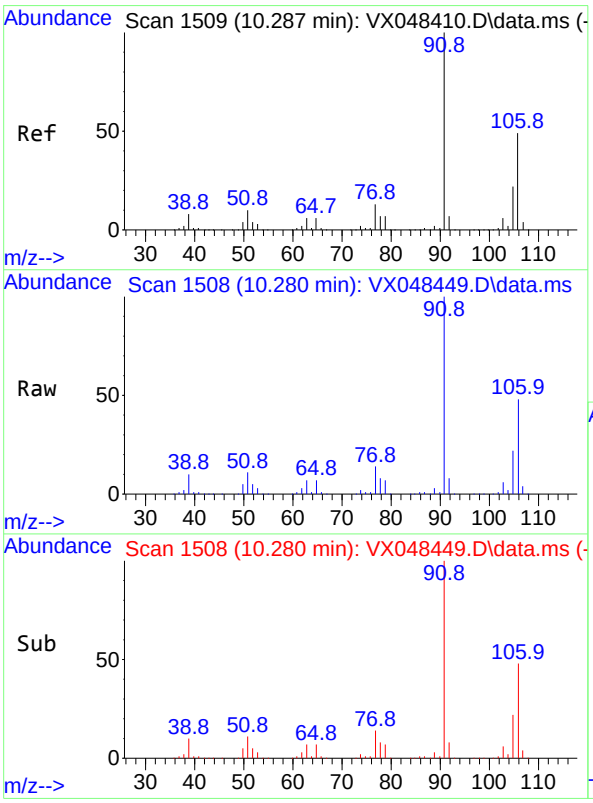
Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

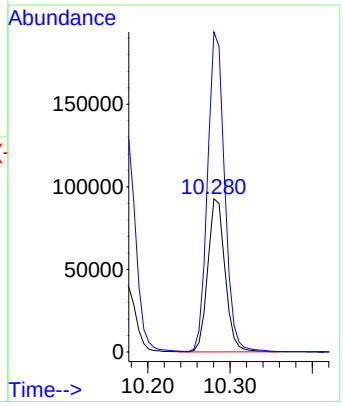
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

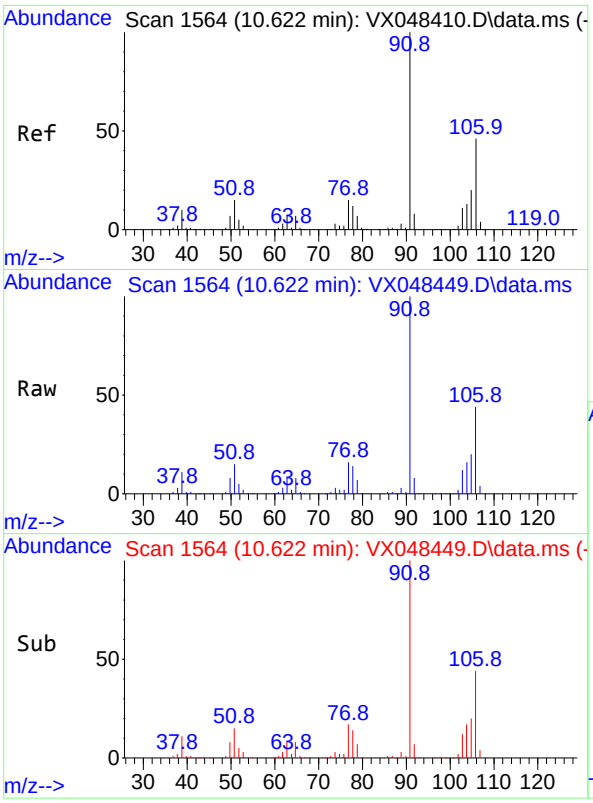


#68
m/p-Xylenes
Concen: 42.211 ug/l
RT: 10.280 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:106 Resp: 134991

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.9	251.9

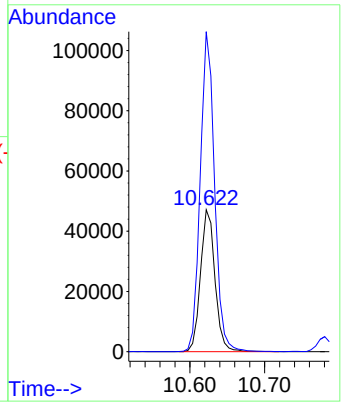




#69
o-Xylene
Concen: 20.732 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:106 Resp: 6335

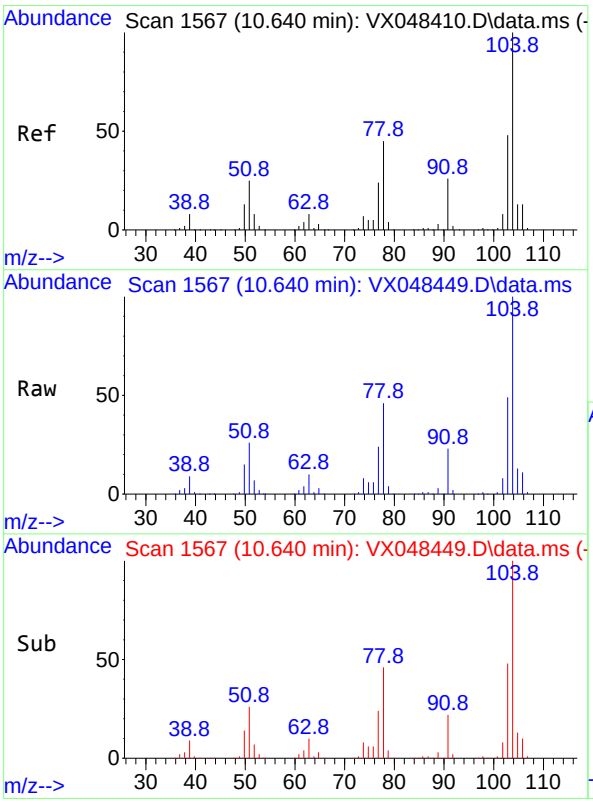
Ion	Ratio	Lower	Upper
106	100		
91	222.8	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

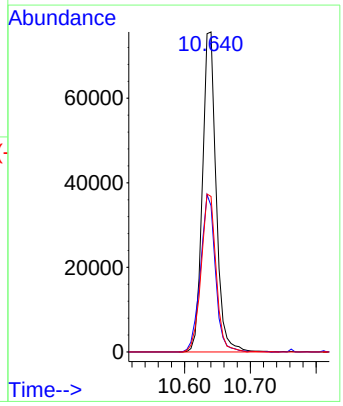
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

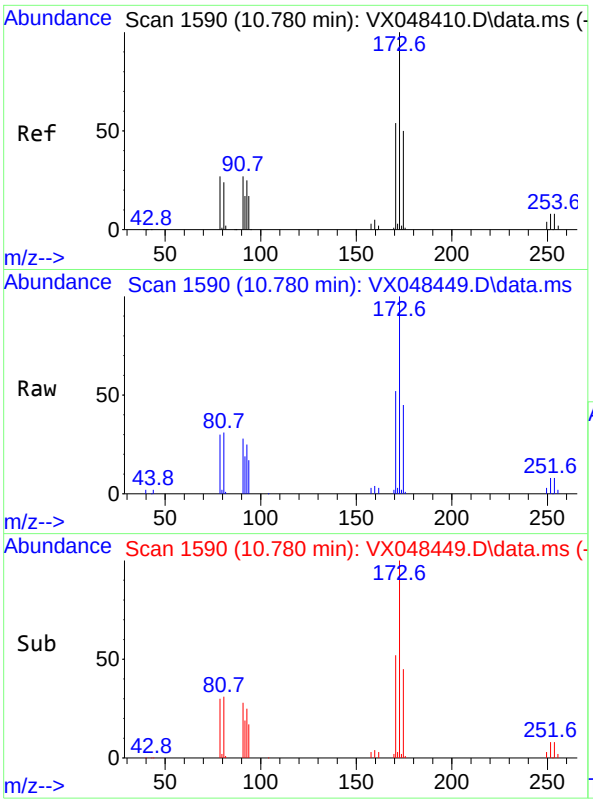


#70
Styrene
Concen: 21.227 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:104 Resp: 109893

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	53.6	43.0	64.4

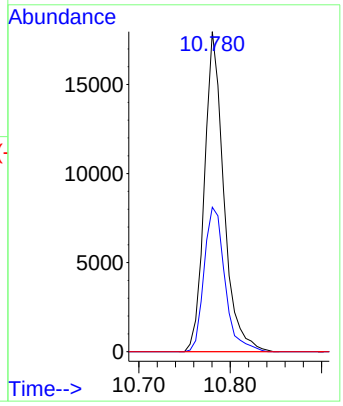




#71
Bromoform
Concen: 21.299 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:173 Resp: 2629

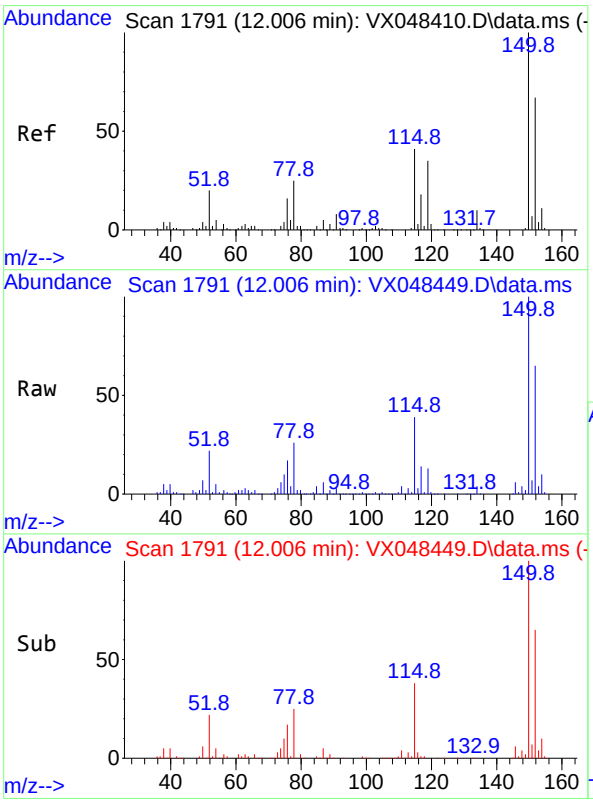
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.0	72.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

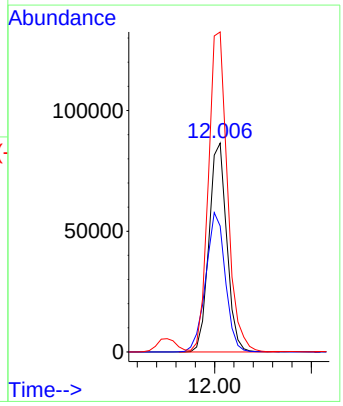
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

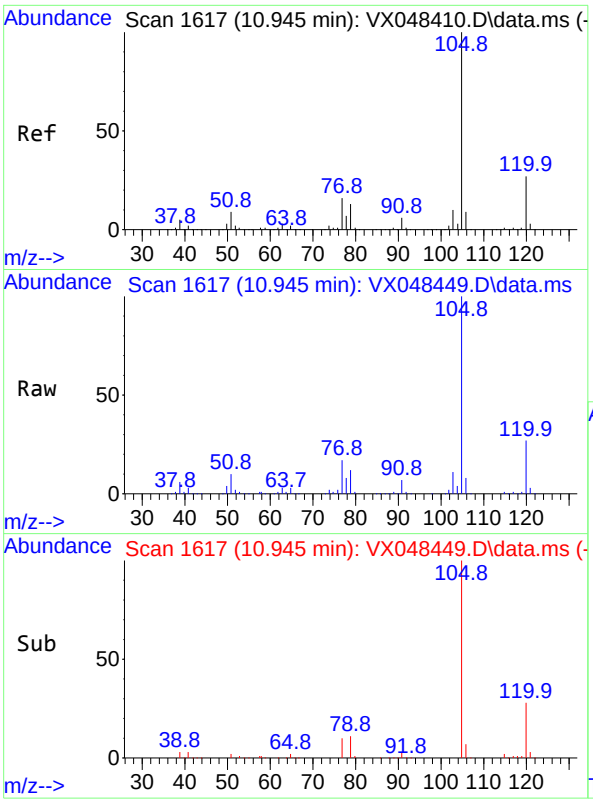


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:152 Resp: 110522

Ion	Ratio	Lower	Upper
152	100		
115	73.4	43.1	129.4
150	164.2	0.0	353.0

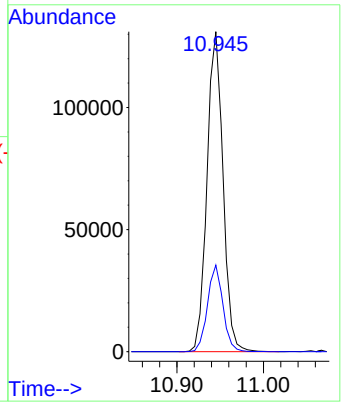




#73
Isopropylbenzene
Concen: 20.549 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:105 Resp: 16798

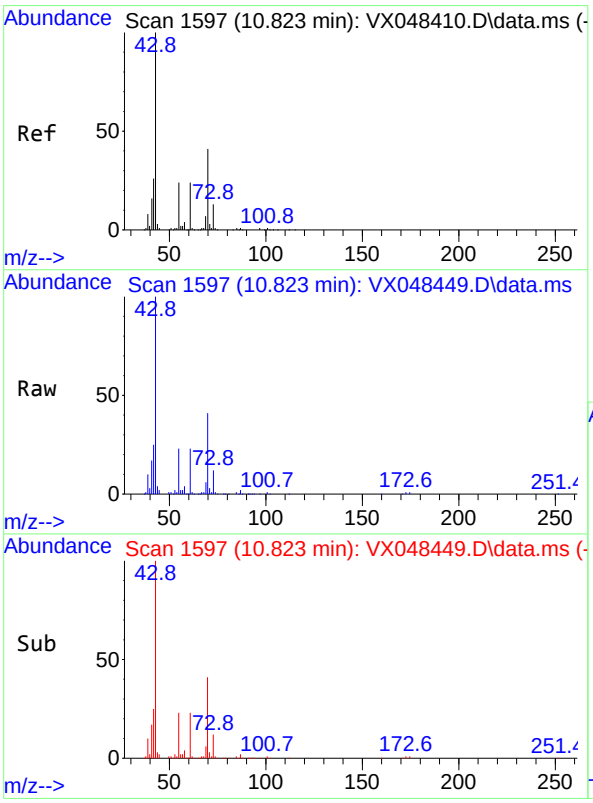
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

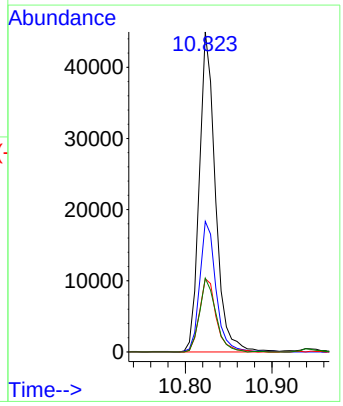
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

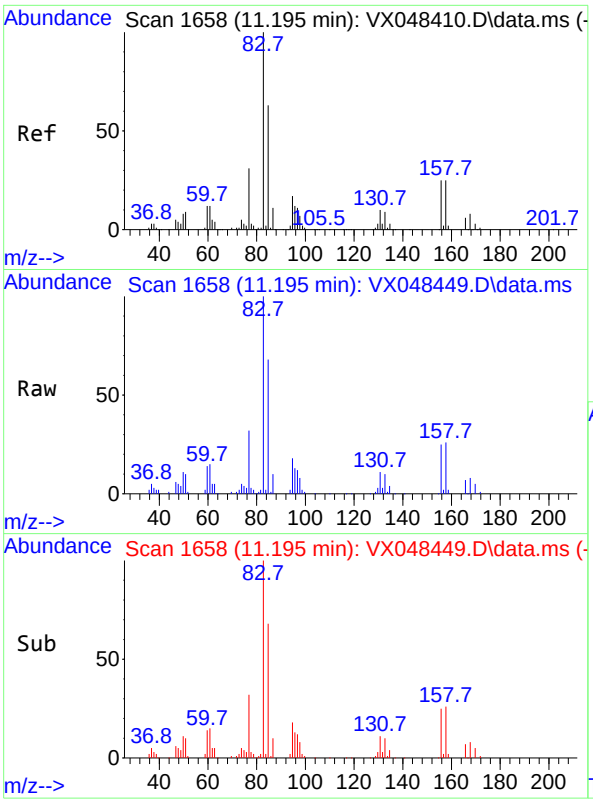


#74
N-amyl acetate
Concen: 19.933 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 43 Resp: 58129

Ion	Ratio	Lower	Upper
43	100		
70	41.1	32.2	48.2
55	23.9	19.1	28.7
61	23.3	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 20.477 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

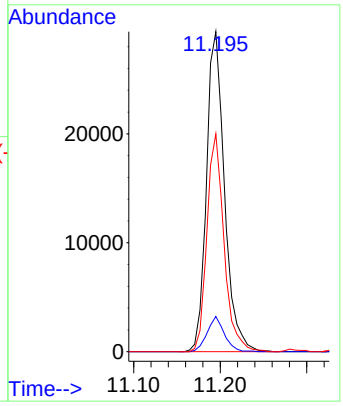
Tgt Ion: 83 Resp: 4240

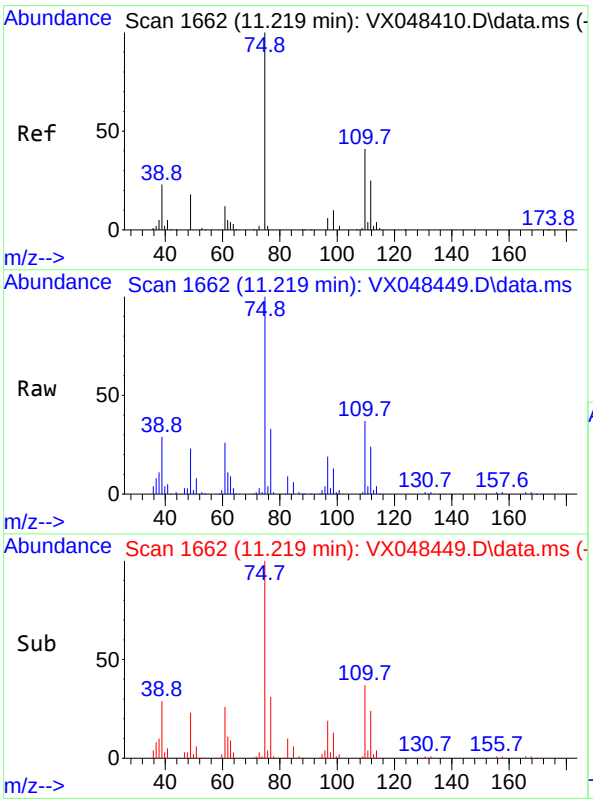
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.4
85	64.5	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

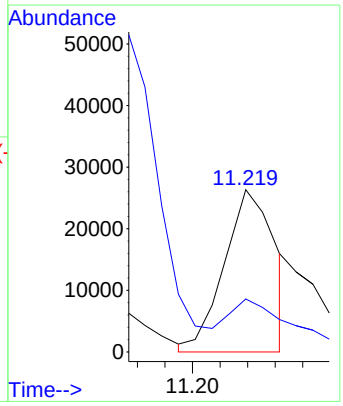


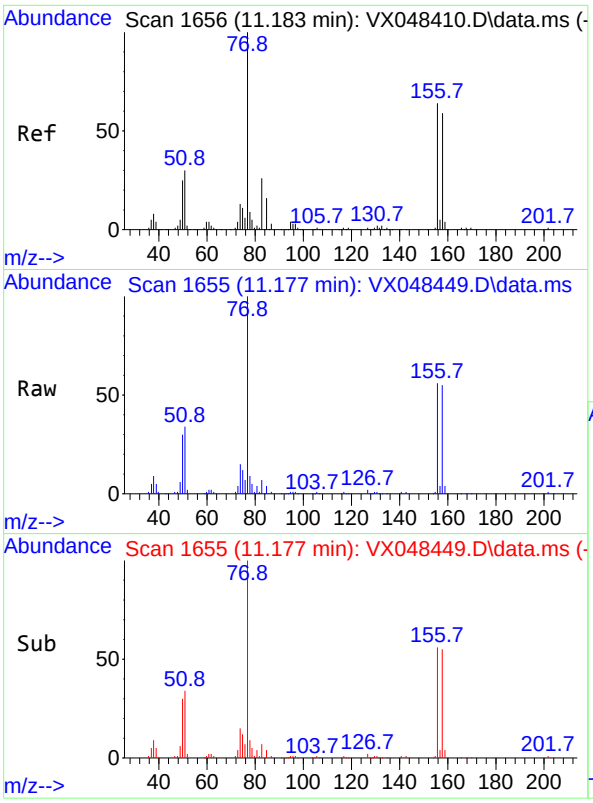


#76
1,2,3-Trichloropropane
Concen: 21.079 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 75 Resp: 33504

Ion	Ratio	Lower	Upper
75	100		
77	42.0	22.4	67.2

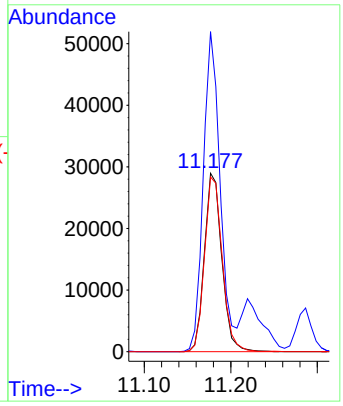




#77
Bromobenzene
Concen: 20.067 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:156 Resp: 4052

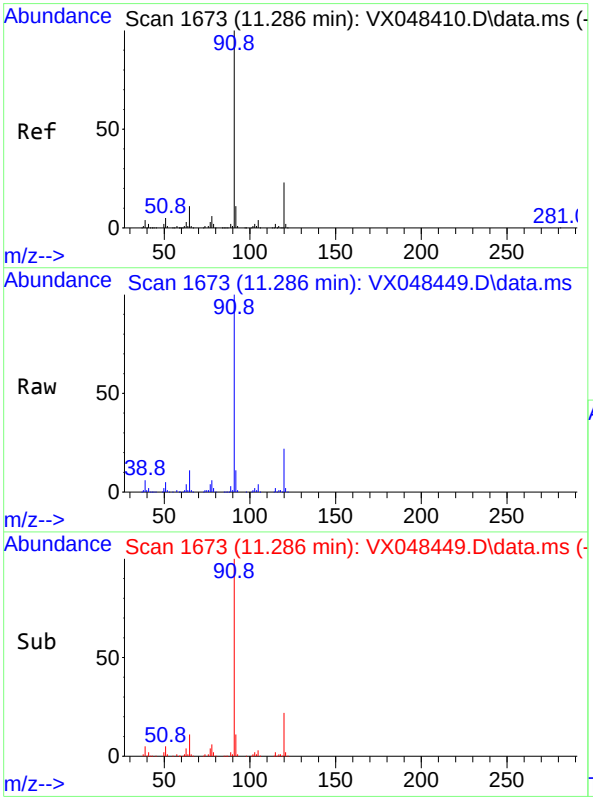
Ion	Ratio	Lower	Upper
156	100		
77	173.7	87.0	261.0
158	99.8	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

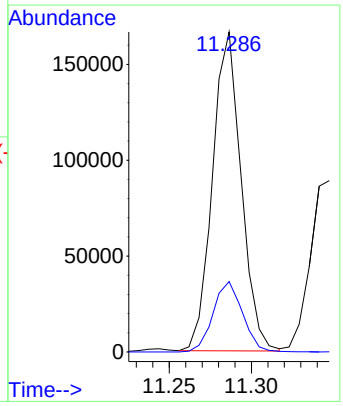
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

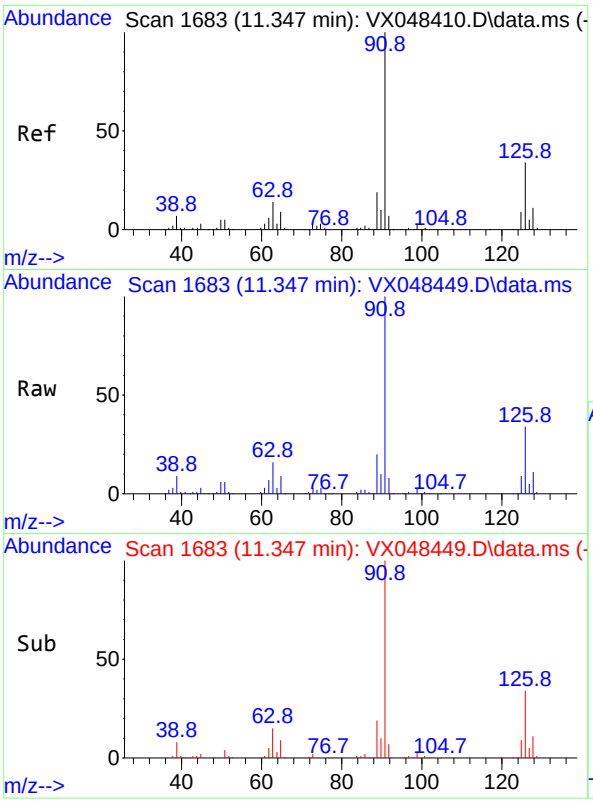


#78
n-propylbenzene
Concen: 20.875 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 91 Resp: 201686

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1

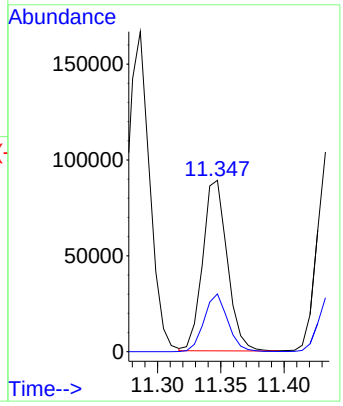




#79
2-Chlorotoluene
Concen: 20.734 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 91 Resp: 12027

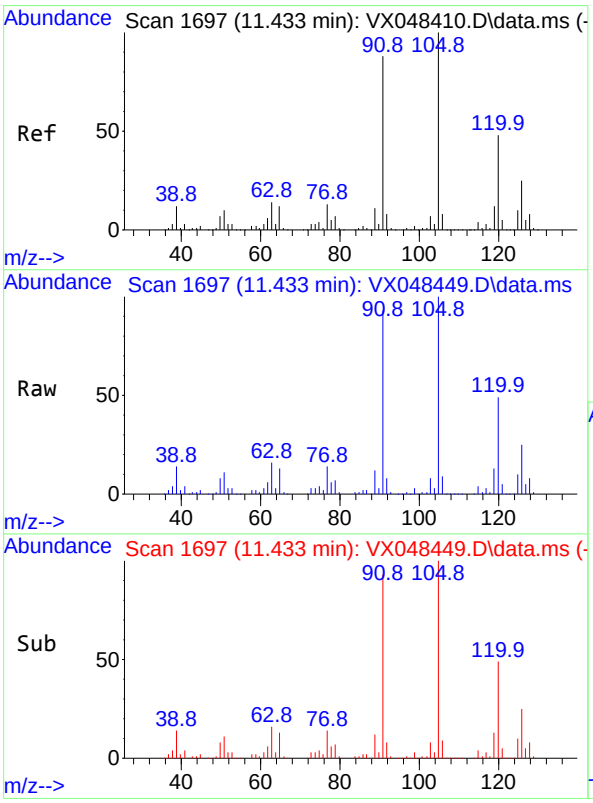
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

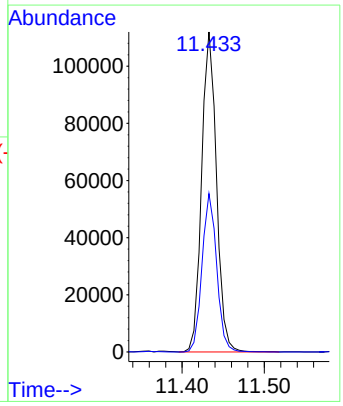
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

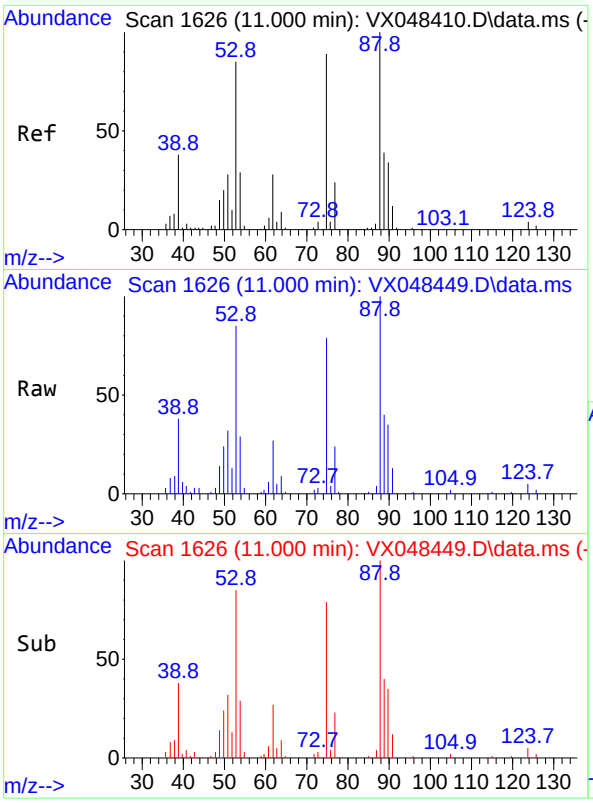


#80
1,3,5-Trimethylbenzene
Concen: 20.938 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:105 Resp: 140304

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.0	72.0

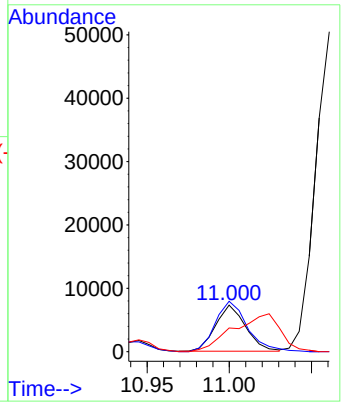




#81
trans-1,4-Dichloro-2-butene
Concen: 20.081 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 75 Resp: 922

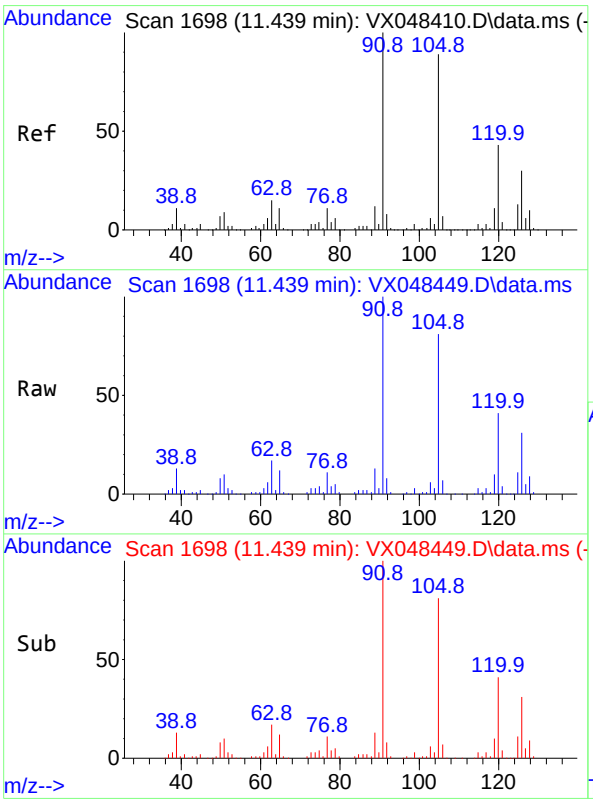
Ion	Ratio	Lower	Upper
75	100		
53	118.0	79.5	119.3
89	0.0	36.8	55.2#



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

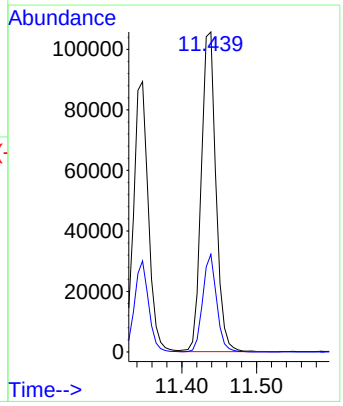
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

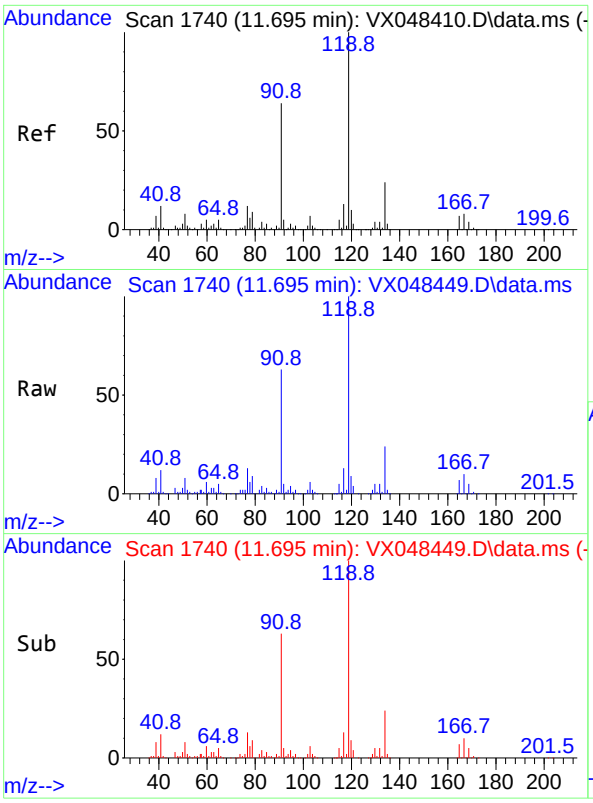


#82
4-Chlorotoluene
Concen: 21.085 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 91 Resp: 143791

Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.1	42.4

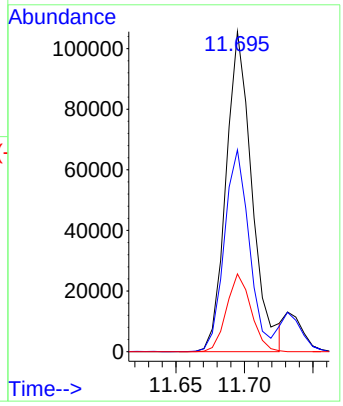




#83
tert-Butylbenzene
Concen: 20.391 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:119 Resp: 13910

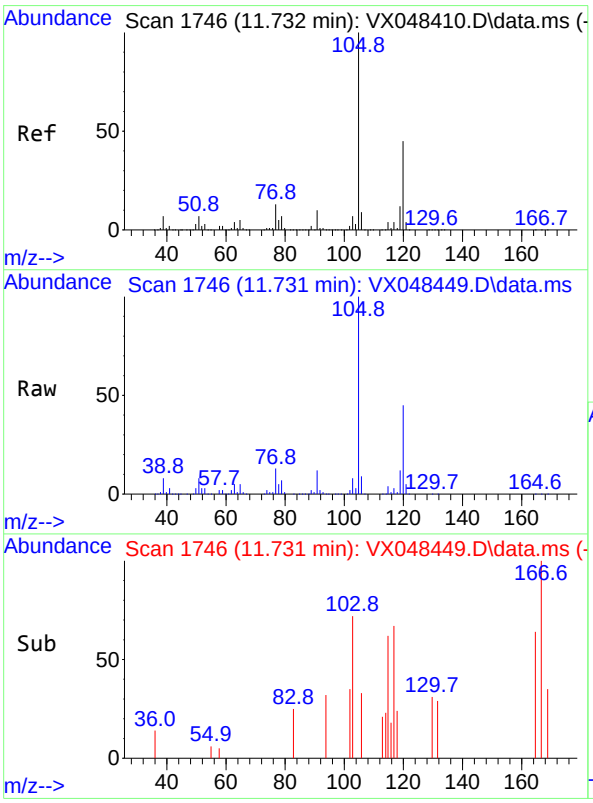
Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.3	91.0
134	23.0	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

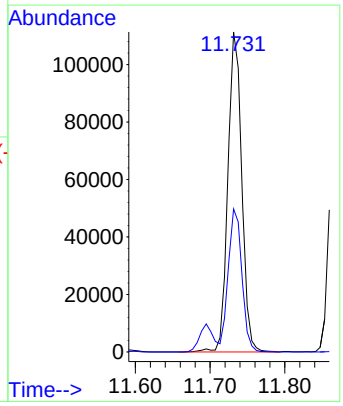
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

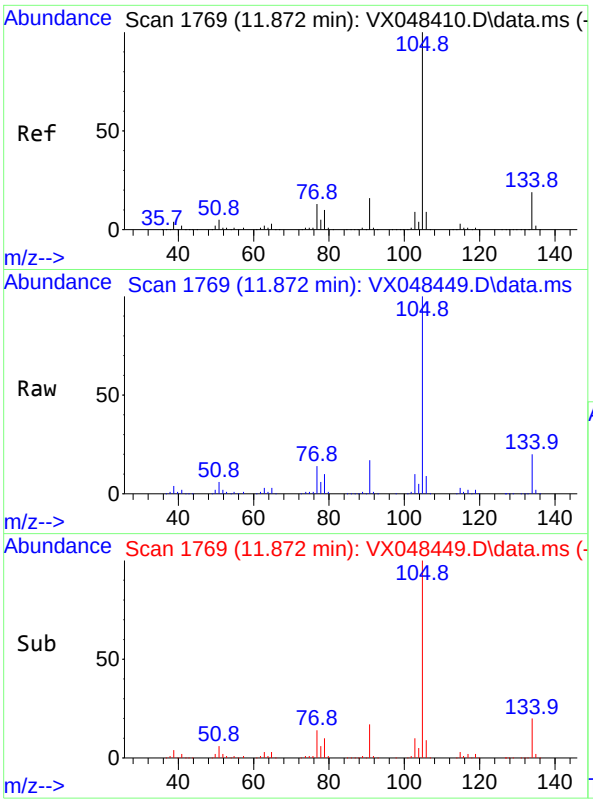


#84
1,2,4-Trimethylbenzene
Concen: 21.634 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:105 Resp: 143541

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5

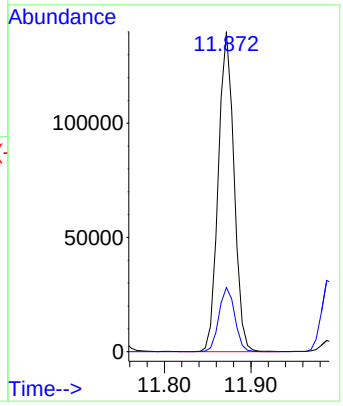




#85
sec-Butylbenzene
Concen: 20.756 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:105 Resp: 17643

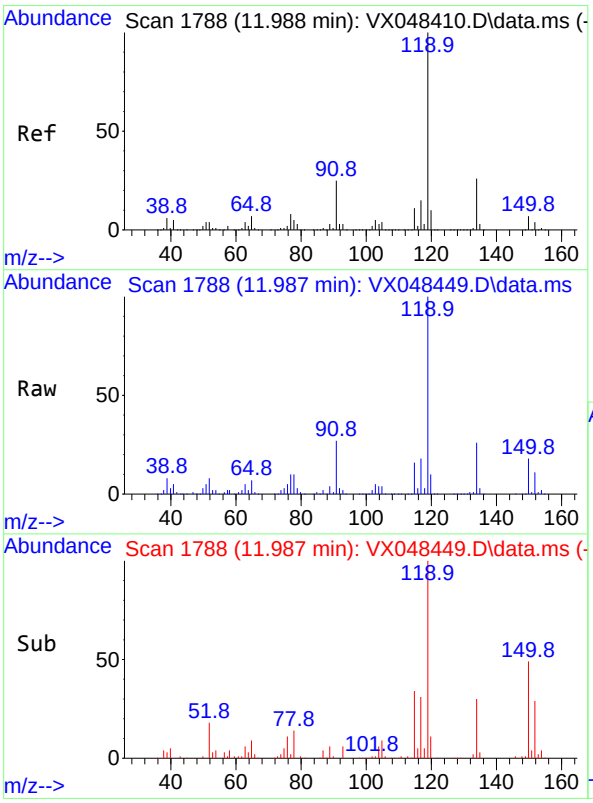
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

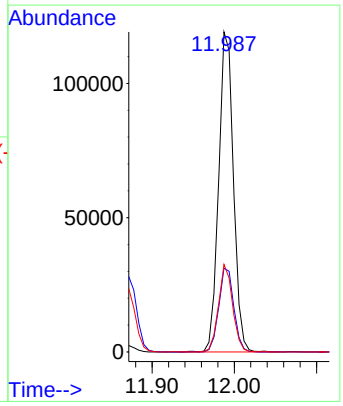
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

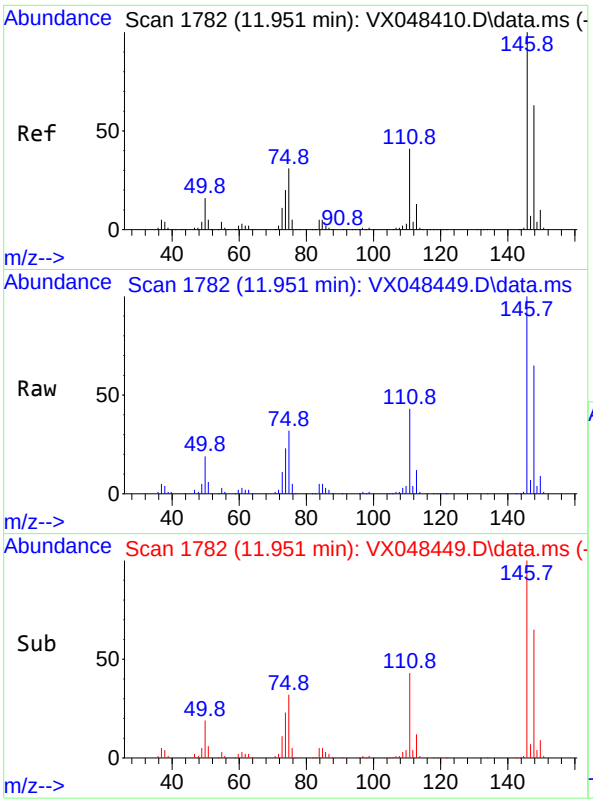


#86
p-Isopropyltoluene
Concen: 20.658 ug/l
RT: 11.987 min Scan# 1788
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:119 Resp: 148457

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.0	39.0
91	26.1	12.1	36.3

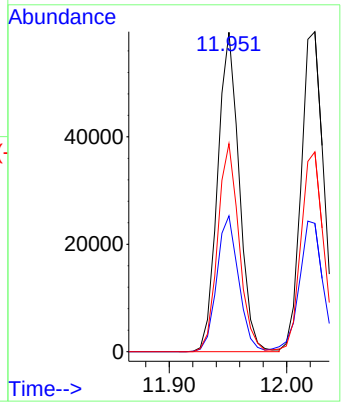




#87
1,3-Dichlorobenzene
Concen: 19.656 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:146 Resp: 7580

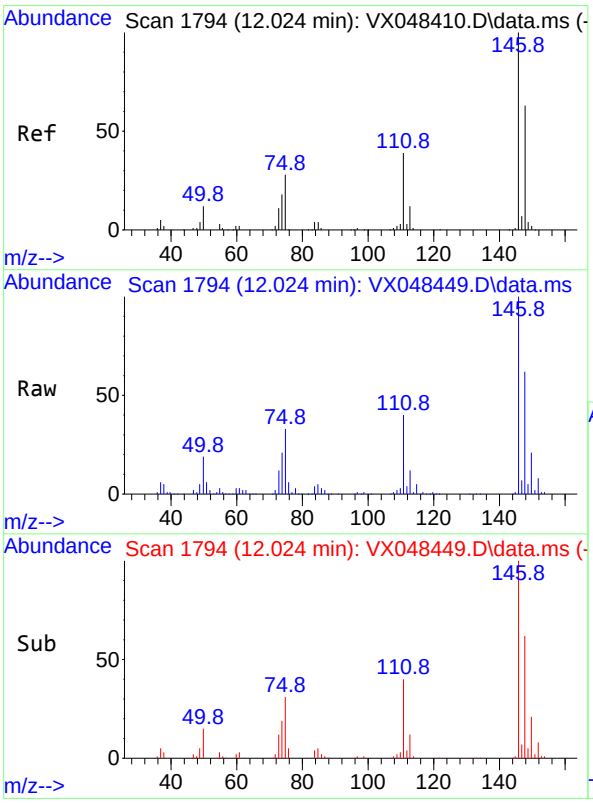
Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.4	61.2
148	64.6	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

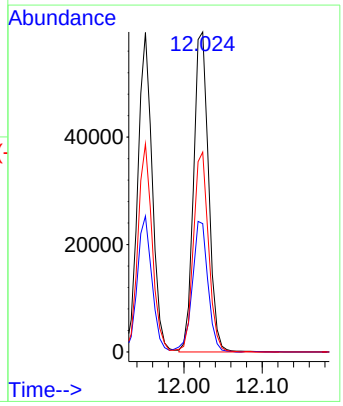
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

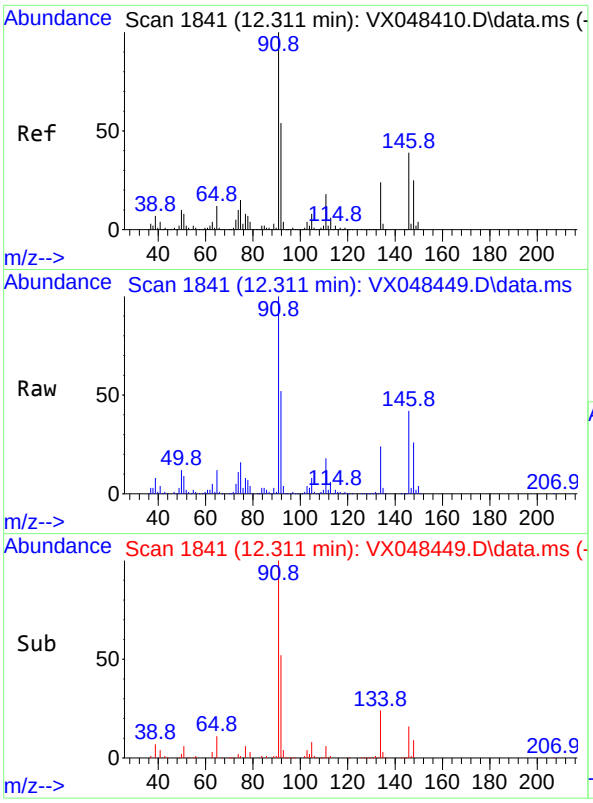


#88
1,4-Dichlorobenzene
Concen: 20.235 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:146 Resp: 79478

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.1	60.2
148	62.8	31.8	95.3

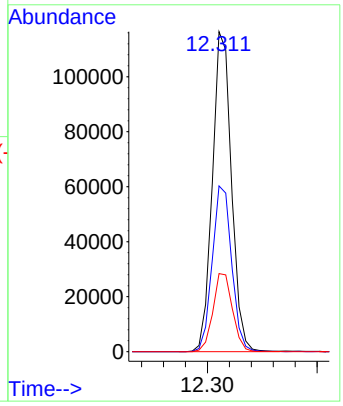




#89
n-Butylbenzene
Concen: 20.854 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 91 Resp: 14070

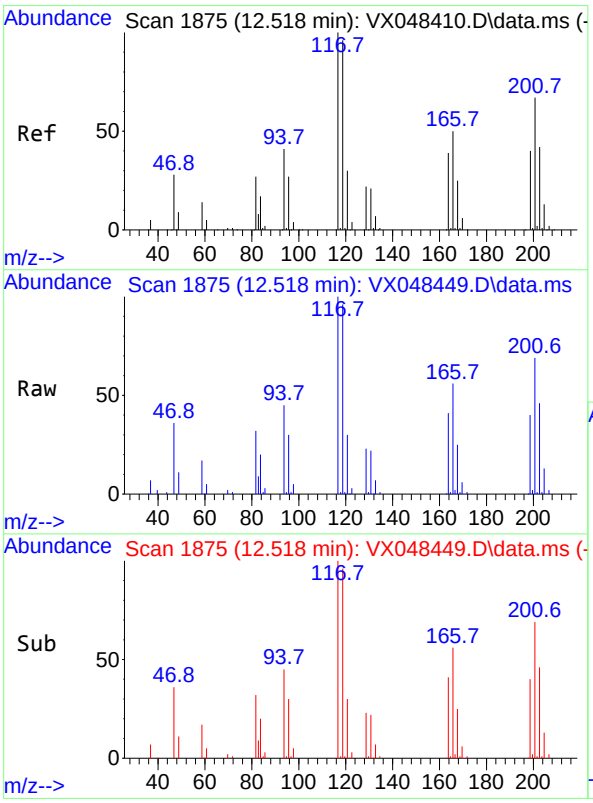
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.9	80.6
134	25.0	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

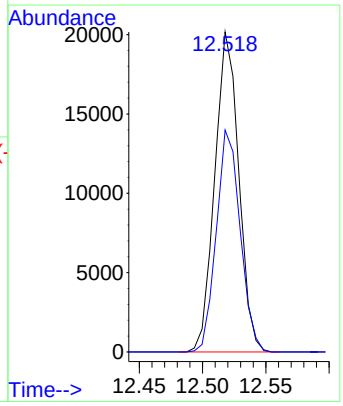
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

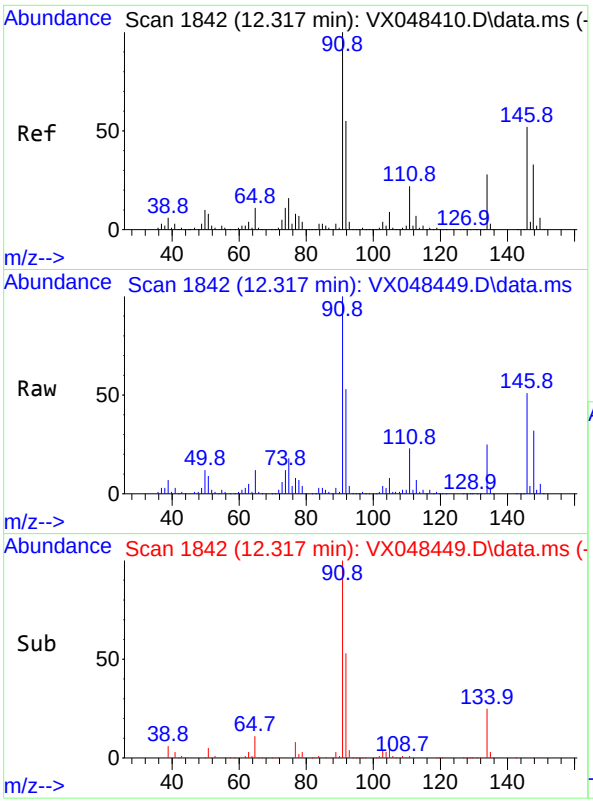


#90
Hexachloroethane
Concen: 21.022 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:117 Resp: 26546

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.1	102.2

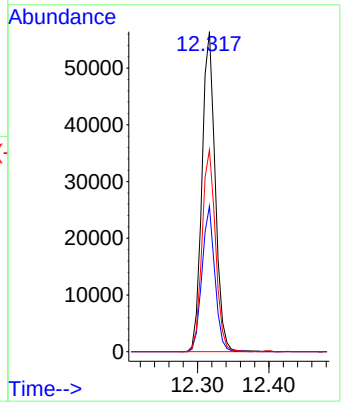




#91
1,2-Dichlorobenzene
Concen: 20.287 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:146 Resp: 7250

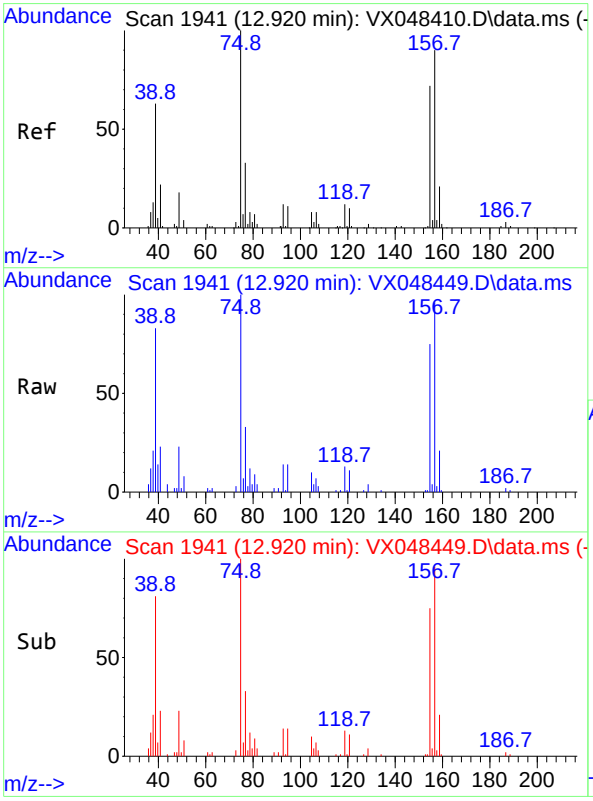
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.5
148	64.1	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

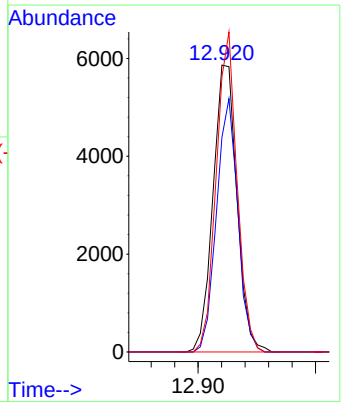
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

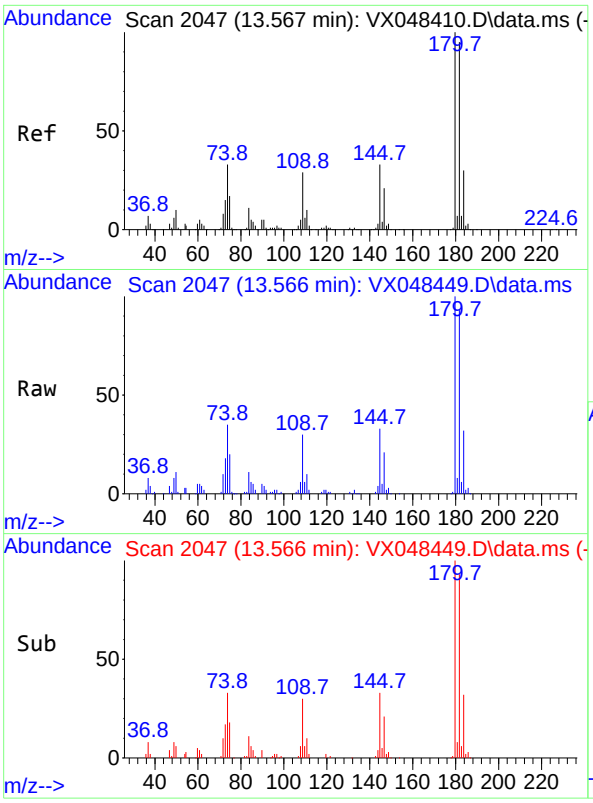


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.525 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion: 75 Resp: 8322

Ion	Ratio	Lower	Upper
75	100		
155	78.3	42.8	128.4
157	96.9	54.2	162.6

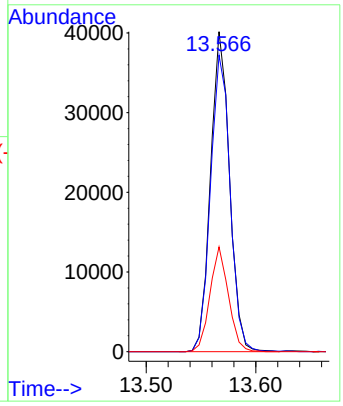




#93
1,2,4-Trichlorobenzene
Concen: 19.579 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:180 Resp: 4828

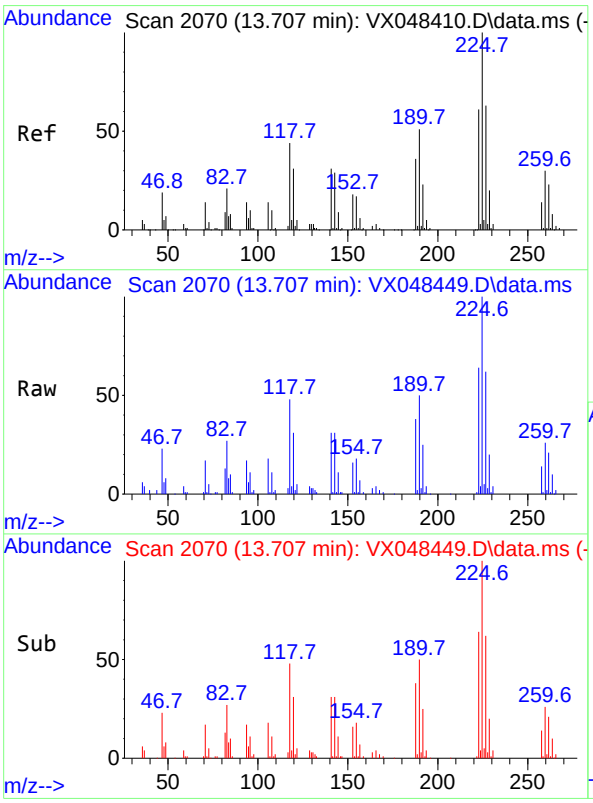
Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	31.9	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations APPROVED

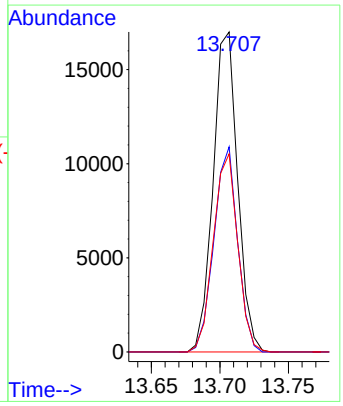
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

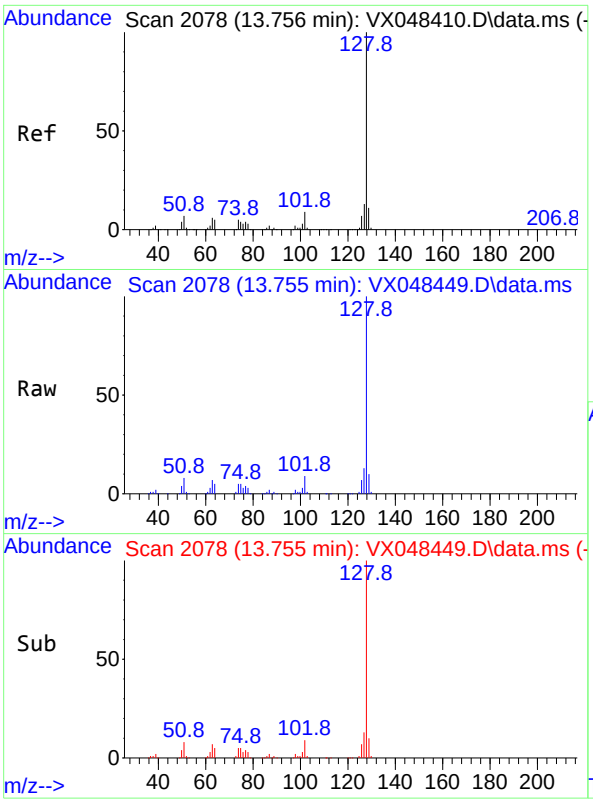


#94
Hexachlorobutadiene
Concen: 20.439 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:225 Resp: 21142

Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.6	97.7
227	61.6	32.5	97.4

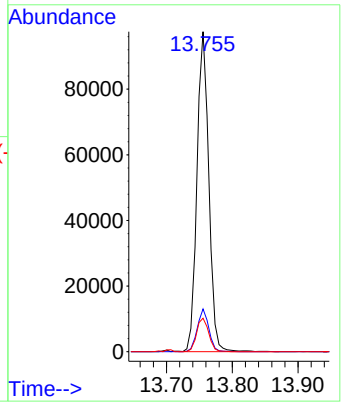




#95
Naphthalene
Concen: 19.527 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:128 Resp: 12161

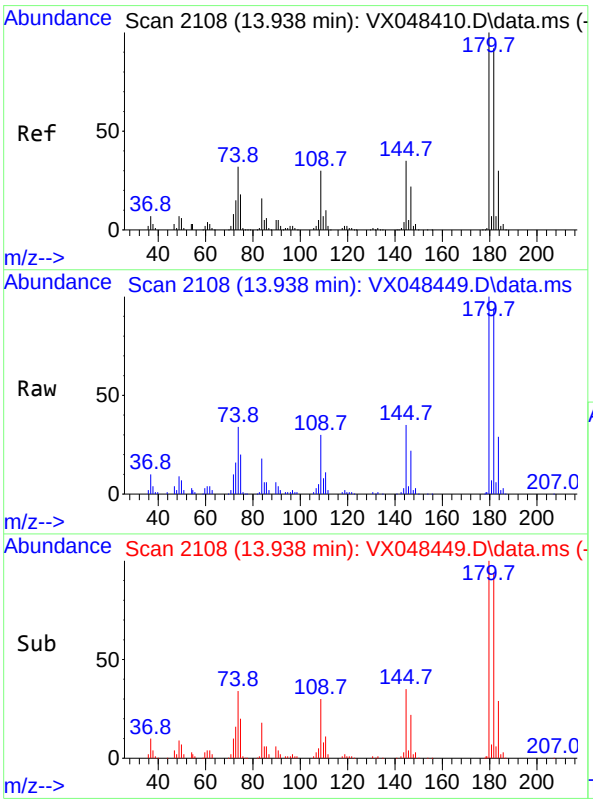
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBS01

Manual Integrations
APPROVED

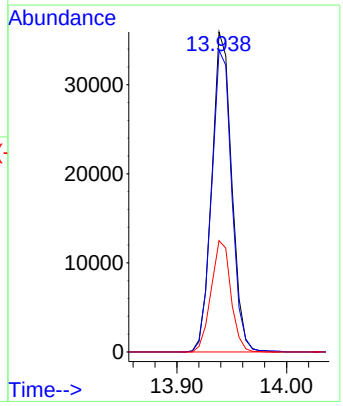
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.235 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048449.D
Acq: 03 Nov 2025 12:21

Tgt Ion:180 Resp: 45326

Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.6	139.7
145	34.6	16.9	50.7



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:	VY1022SBS01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBS01	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	20.0		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
74-87-3	Chloromethane	18.0		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
75-01-4	Vinyl Chloride	18.7		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
74-83-9	Bromomethane	20.0		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
75-00-3	Chloroethane	19.8		1	1.30	5.00	ug/Kg	10/22/25 10:28	VY102225
75-69-4	Trichlorofluoromethane	20.2		1	1.20	5.00	ug/Kg	10/22/25 10:28	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
75-35-4	1,1-Dichloroethene	20.7		1	1.00	5.00	ug/Kg	10/22/25 10:28	VY102225
67-64-1	Acetone	130		1	4.70	25.0	ug/Kg	10/22/25 10:28	VY102225
75-15-0	Carbon Disulfide	19.3		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
1634-04-4	Methyl tert-butyl Ether	19.8		1	0.73	5.00	ug/Kg	10/22/25 10:28	VY102225
79-20-9	Methyl Acetate	17.3		1	1.50	5.00	ug/Kg	10/22/25 10:28	VY102225
75-09-2	Methylene Chloride	18.4		1	3.50	10.0	ug/Kg	10/22/25 10:28	VY102225
156-60-5	trans-1,2-Dichloroethene	20.4		1	0.86	5.00	ug/Kg	10/22/25 10:28	VY102225
75-34-3	1,1-Dichloroethane	20.5		1	0.80	5.00	ug/Kg	10/22/25 10:28	VY102225
110-82-7	Cyclohexane	19.3		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/22/25 10:28	VY102225
56-23-5	Carbon Tetrachloride	21.4		1	0.97	5.00	ug/Kg	10/22/25 10:28	VY102225
156-59-2	cis-1,2-Dichloroethene	21.2		1	0.75	5.00	ug/Kg	10/22/25 10:28	VY102225
74-97-5	Bromochloromethane	19.3		1	1.20	5.00	ug/Kg	10/22/25 10:28	VY102225
67-66-3	Chloroform	21.2		1	0.84	5.00	ug/Kg	10/22/25 10:28	VY102225
71-55-6	1,1,1-Trichloroethane	21.3		1	0.93	5.00	ug/Kg	10/22/25 10:28	VY102225
108-87-2	Methylcyclohexane	20.7		1	0.91	5.00	ug/Kg	10/22/25 10:28	VY102225
71-43-2	Benzene	21.2		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
107-06-2	1,2-Dichloroethane	19.8		1	0.79	5.00	ug/Kg	10/22/25 10:28	VY102225
79-01-6	Trichloroethene	21.9		1	0.81	5.00	ug/Kg	10/22/25 10:28	VY102225
78-87-5	1,2-Dichloropropane	21.0		1	0.91	5.00	ug/Kg	10/22/25 10:28	VY102225
75-27-4	Bromodichloromethane	21.2		1	0.78	5.00	ug/Kg	10/22/25 10:28	VY102225
108-10-1	4-Methyl-2-Pentanone	96.0		1	3.60	25.0	ug/Kg	10/22/25 10:28	VY102225
108-88-3	Toluene	22.0		1	0.78	5.00	ug/Kg	10/22/25 10:28	VY102225
10061-02-6	t-1,3-Dichloropropene	21.0		1	0.65	5.00	ug/Kg	10/22/25 10:28	VY102225
10061-01-5	cis-1,3-Dichloropropene	20.9		1	0.62	5.00	ug/Kg	10/22/25 10:28	VY102225
79-00-5	1,1,2-Trichloroethane	21.6		1	0.92	5.00	ug/Kg	10/22/25 10:28	VY102225
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	10/22/25 10:28	VY102225
124-48-1	Dibromochloromethane	21.4		1	0.87	5.00	ug/Kg	10/22/25 10:28	VY102225
106-93-4	1,2-Dibromoethane	21.2		1	0.88	5.00	ug/Kg	10/22/25 10:28	VY102225
127-18-4	Tetrachloroethene	22.9		1	1.10	5.00	ug/Kg	10/22/25 10:28	VY102225
108-90-7	Chlorobenzene	21.4		1	0.91	5.00	ug/Kg	10/22/25 10:28	VY102225
100-41-4	Ethyl Benzene	21.2		1	0.67	5.00	ug/Kg	10/22/25 10:28	VY102225
179601-23-1	m/p-Xylenes	43.3		1	1.20	10.0	ug/Kg	10/22/25 10:28	VY102225
95-47-6	o-Xylene	21.6		1	0.82	5.00	ug/Kg	10/22/25 10:28	VY102225
100-42-5	Styrene	21.3		1	0.71	5.00	ug/Kg	10/22/25 10:28	VY102225
75-25-2	Bromoform	20.5		1	0.86	5.00	ug/Kg	10/22/25 10:28	VY102225

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:	VY1022SBS01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBS01	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	21.7		1	0.78	5.00	ug/Kg	10/22/25 10:28	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1	1.20	5.00	ug/Kg	10/22/25 10:28	VY102225
541-73-1	1,3-Dichlorobenzene	21.3		1	1.70	5.00	ug/Kg	10/22/25 10:28	VY102225
106-46-7	1,4-Dichlorobenzene	21.1		1	1.60	5.00	ug/Kg	10/22/25 10:28	VY102225
95-50-1	1,2-Dichlorobenzene	21.3		1	1.50	5.00	ug/Kg	10/22/25 10:28	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		1	1.80	5.00	ug/Kg	10/22/25 10:28	VY102225
120-82-1	1,2,4-Trichlorobenzene	20.4		1	3.00	5.00	ug/Kg	10/22/25 10:28	VY102225
87-61-6	1,2,3-Trichlorobenzene	19.8		1	3.20	5.00	ug/Kg	10/22/25 10:28	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	45.7			63 - 155	91%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	49.8			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.3			17 - 146	99%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	547000							
540-36-3	1,4-Difluorobenzene	794000							
3114-55-4	Chlorobenzene-d5	700000							
3855-82-1	1,4-Dichlorobenzene-d4	365000							

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\VY102225\
Data File : VY023545.D
Acq On : 22 Oct 2025 10:28
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 02:26:30 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 :
VY1022SBS01

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	546555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	794303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	700136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	365280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	208863	45.699	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.400%			
35) Dibromofluoromethane	7.634	113	240525	49.282	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.560%			
50) Toluene-d8	10.109	98	904633	49.771	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.540%			
62) 4-Bromofluorobenzene	12.408	95	295724	49.281	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	78862	20.046	ug/l	99
3) Chloromethane	2.074	50	96728	18.049	ug/l	97
4) Vinyl Chloride	2.208	62	130661	18.718	ug/l	99
5) Bromomethane	2.592	94	117294	20.024	ug/l	99
6) Chloroethane	2.739	64	94090	19.775	ug/l	99
7) Trichlorofluoromethane	3.056	101	195620	20.184	ug/l	99
8) Diethyl Ether	3.458	74	51088	20.172	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	107027	21.280	ug/l	98
10) Methyl Iodide	4.007	142	117165	20.926	ug/l	97
11) Tert butyl alcohol	4.860	59	28049	82.495	ug/l	98
12) 1,1-Dichloroethene	3.793	96	100716	20.658	ug/l	96
13) Acrolein	3.653	56	23166	48.218	ug/l	91
14) Allyl chloride	4.391	41	110064	18.524	ug/l	96
15) Acrylonitrile	5.061	53	90176	93.042	ug/l	99
16) Acetone	3.873	43	137184	126.081	ug/l	98
17) Carbon Disulfide	4.110	76	268938	19.273	ug/l	98
18) Methyl Acetate	4.391	43	49297	17.272	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	231882	19.789	ug/l	97
20) Methylene Chloride	4.622	84	108140	18.380	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	109389	20.379	ug/l	97
22) Diisopropyl ether	6.019	45	262379	19.963	ug/l	96
23) Vinyl Acetate	5.964	43	681501	95.797	ug/l	96
24) 1,1-Dichloroethane	5.915	63	178683	20.524	ug/l	100
25) 2-Butanone	6.896	43	142981	107.638	ug/l	95
26) 2,2-Dichloropropane	6.884	77	167931	21.021	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	131514	21.211	ug/l	94
28) Bromochloromethane	7.250	49	62608	19.264	ug/l	94
29) Tetrahydrofuran	7.262	42	65038	86.341	ug/l	93
30) Chloroform	7.421	83	202767	21.198	ug/l	98
31) Cyclohexane	7.707	56	146973	19.331	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	185487	21.339	ug/l	98
36) 1,1-Dichloropropene	7.835	75	134867	20.873	ug/l	98
37) Ethyl Acetate	6.988	43	47665	18.620	ug/l #	96
38) Carbon Tetrachloride	7.823	117	167506	21.380	ug/l	99
39) Methylcyclohexane	9.109	83	174367	20.726	ug/l	98
40) Benzene	8.085	78	432933	21.157	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023545.D
Acq On : 22 Oct 2025 10:28
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 02:26:30 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 :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	23647	17.080	ug/l	#	67
42) 1,2-Dichloroethane	8.158	62	104422	19.787	ug/l		99
43) Isopropyl Acetate	8.201	43	93851	18.386	ug/l		96
44) Trichloroethene	8.866	130	131401	21.940	ug/l		99
45) 1,2-Dichloropropane	9.146	63	94941	21.006	ug/l		99
46) Dibromomethane	9.231	93	59570	20.843	ug/l		98
47) Bromodichloromethane	9.426	83	152859	21.237	ug/l		99
48) Methyl methacrylate	9.225	41	43753	18.246	ug/l		92
49) 1,4-Dioxane	9.225	88	12196	368.059	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	253262	96.032	ug/l		99
52) Toluene	10.170	92	292104	21.986	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	131626	21.031	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	154563	20.924	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	82907	21.572	ug/l		97
56) Ethyl methacrylate	10.438	69	87648	19.771	ug/l		93
57) 1,3-Dichloropropane	10.719	76	126727	20.809	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	191490	96.421	ug/l		98
59) 2-Hexanone	10.762	43	201768	107.056	ug/l		97
60) Dibromochloromethane	10.908	129	115294	21.397	ug/l		99
61) 1,2-Dibromoethane	11.018	107	77772	21.218	ug/l		99
64) Tetrachloroethene	10.646	164	165184	22.850	ug/l		99
65) Chlorobenzene	11.444	112	325435	21.371	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	116407	21.452	ug/l		100
67) Ethyl Benzene	11.518	91	522038	21.179	ug/l		99
68) m/p-Xylenes	11.627	106	428308	43.322	ug/l		99
69) o-Xylene	11.956	106	200731	21.646	ug/l		97
70) Styrene	11.969	104	325186	21.324	ug/l		100
71) Bromoform	12.133	173	69048	20.514	ug/l	#	99
73) Isopropylbenzene	12.255	105	521665	21.671	ug/l		100
74) N-amyl acetate	12.072	43	76665	17.731	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.505	83	75537	19.185	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	60391m	18.739	ug/l		
77) Bromobenzene	12.530	156	136360	21.307	ug/l		97
78) n-propylbenzene	12.597	91	603121	21.651	ug/l		99
79) 2-Chlorotoluene	12.676	91	348031	21.335	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	426677	21.935	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	26519	20.178	ug/l		97
82) 4-Chlorotoluene	12.773	91	358213	21.322	ug/l		100
83) tert-Butylbenzene	12.999	119	393129	21.889	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	420267	21.648	ug/l		99
85) sec-Butylbenzene	13.176	105	561763	21.804	ug/l		99
86) p-Isopropyltoluene	13.292	119	485141	22.116	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	265067	21.270	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	260280	21.147	ug/l		99
89) n-Butylbenzene	13.615	91	407439	21.317	ug/l		99
90) Hexachloroethane	13.877	117	100017	21.199	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	232327	21.264	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12117	18.756	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	138915	20.394	ug/l		100
94) Hexachlorobutadiene	15.023	225	88730	20.897	ug/l		97
95) Naphthalene	15.145	128	204152	18.822	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	116532	19.751	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023545.D
Acq On : 22 Oct 2025 10:28
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 02:26:30 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 :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

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

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

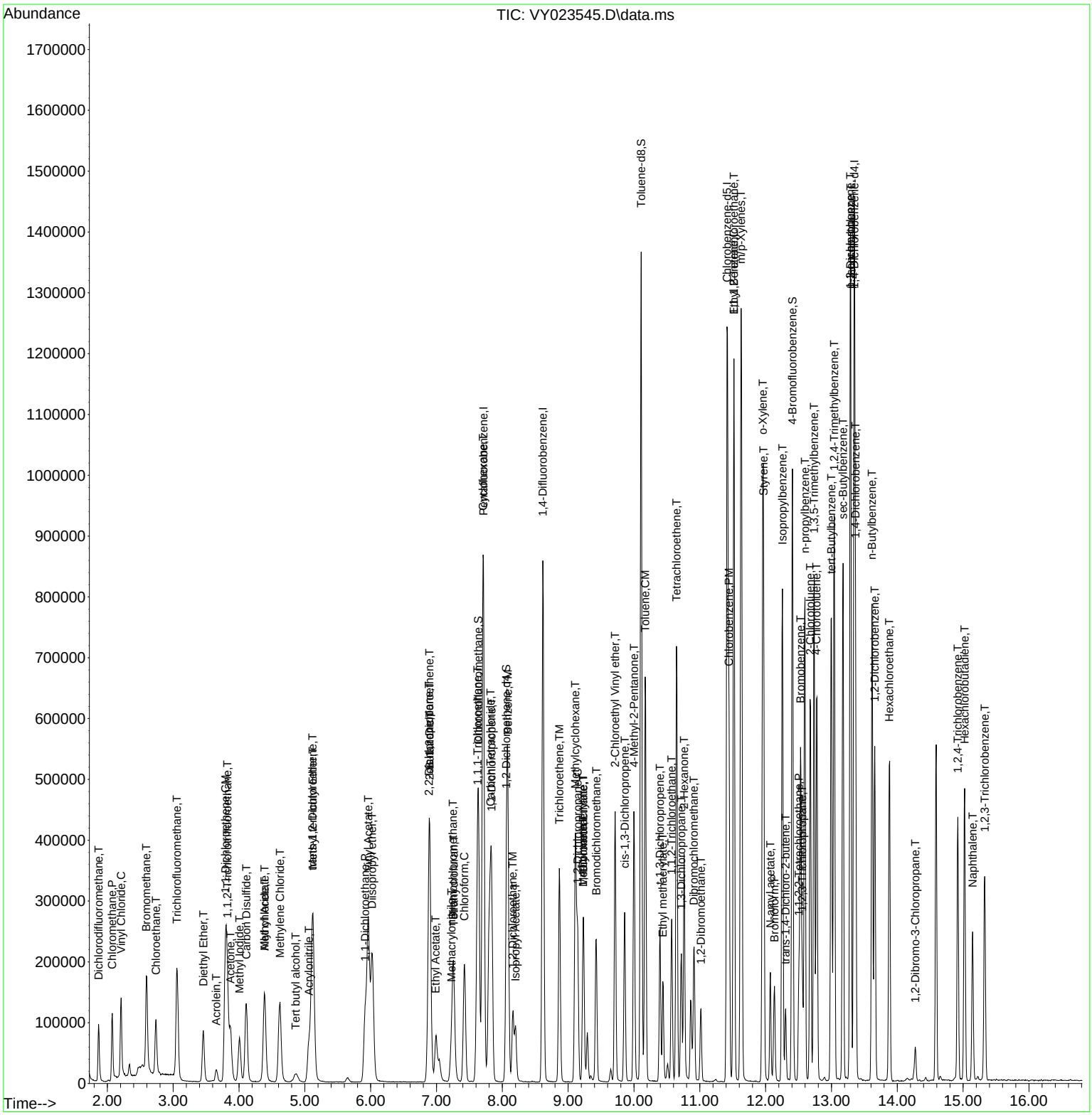
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Data File : VY023545.D
Acq On : 22 Oct 2025 10:28
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

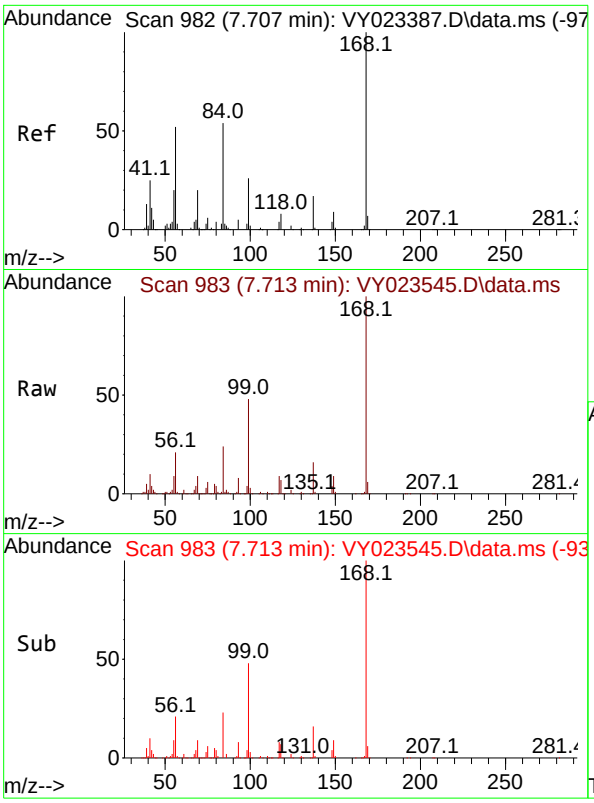
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

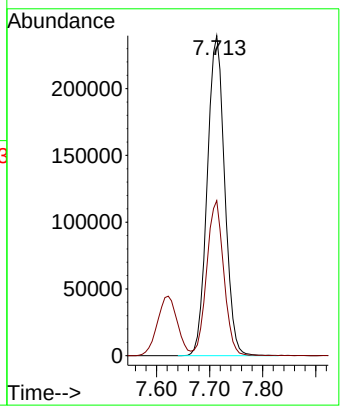




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:168 Resp: 54655

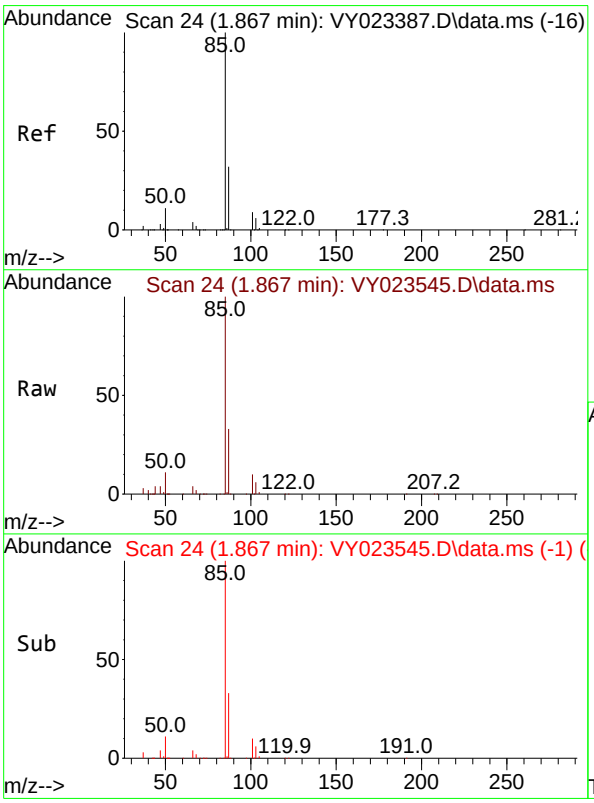
Ion	Ratio	Lower	Upper
168	100		
99	48.4	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

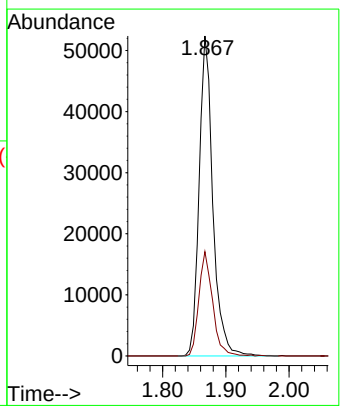
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

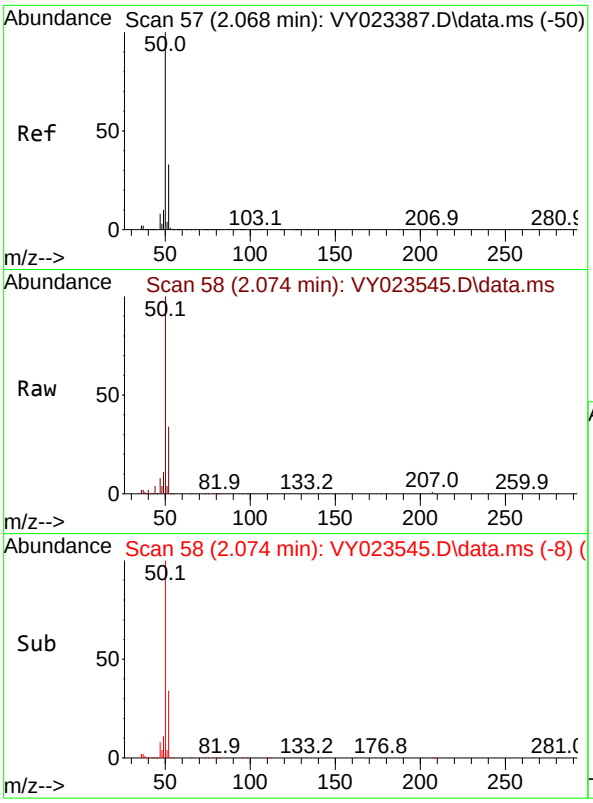


#2
Dichlorodifluoromethane
Concen: 20.046 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 85 Resp: 78862

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.0	47.9

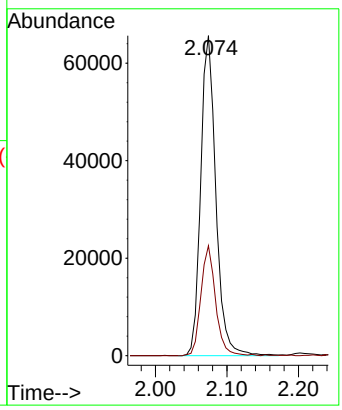




#3
Chloromethane
Concen: 18.049 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 50 Resp: 9672

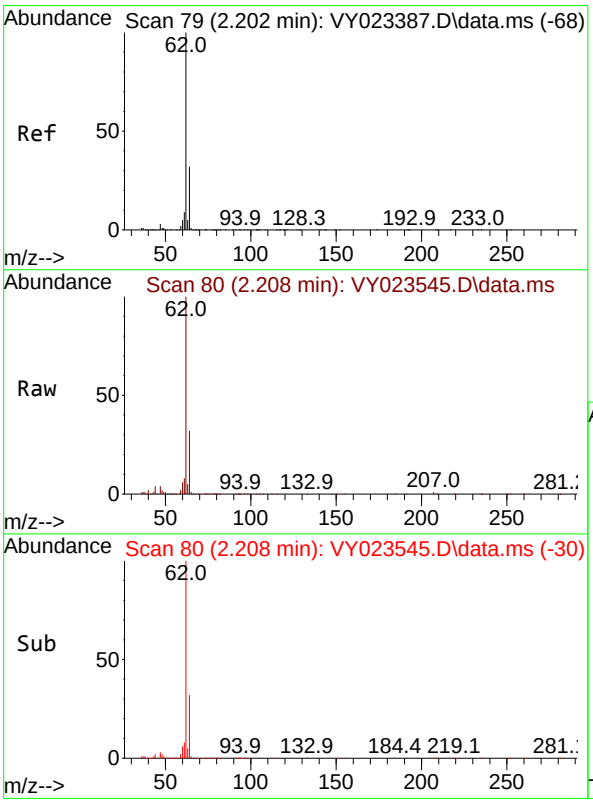
Ion	Ratio	Lower	Upper
50	100		
52	34.4	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

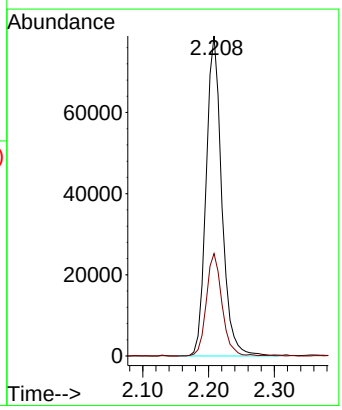
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

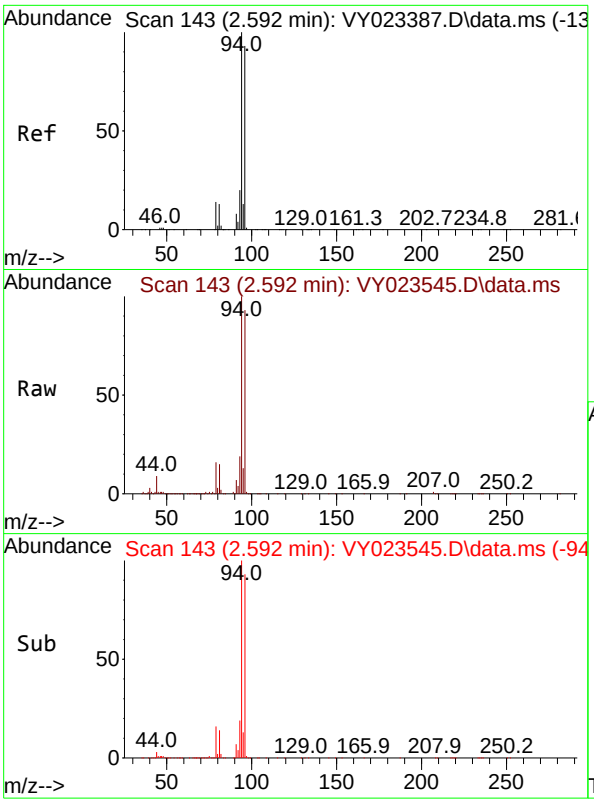


#4
Vinyl Chloride
Concen: 18.718 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 62 Resp: 130661

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.8	38.8

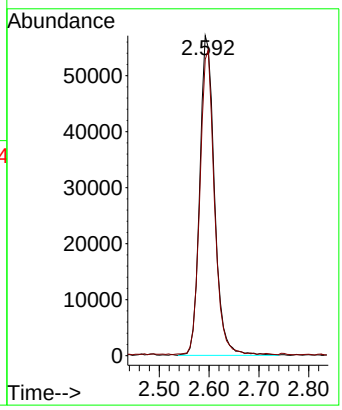




#5
Bromomethane
Concen: 20.024 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 94 Resp: 11729

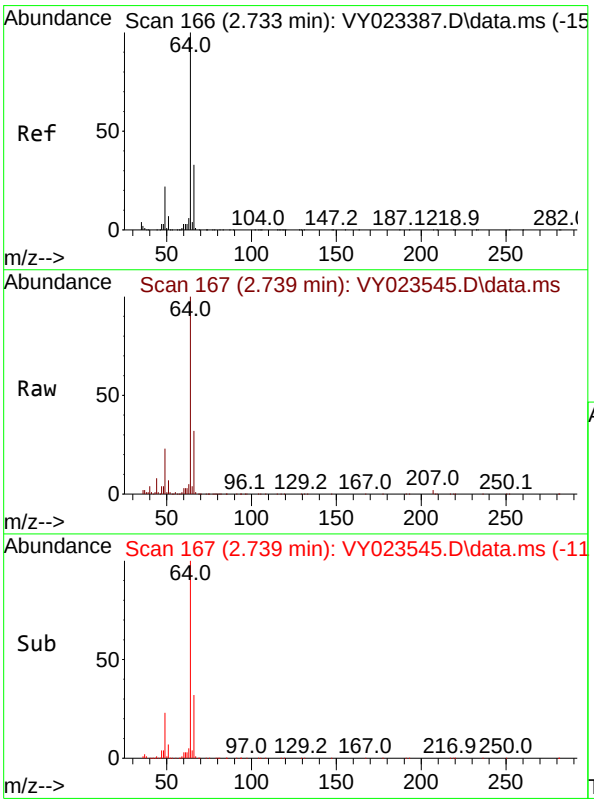
Ion	Ratio	Lower	Upper
94	100		
96	92.4	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

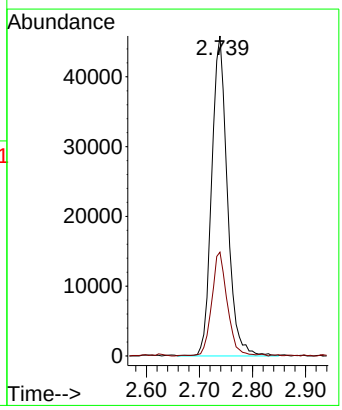
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

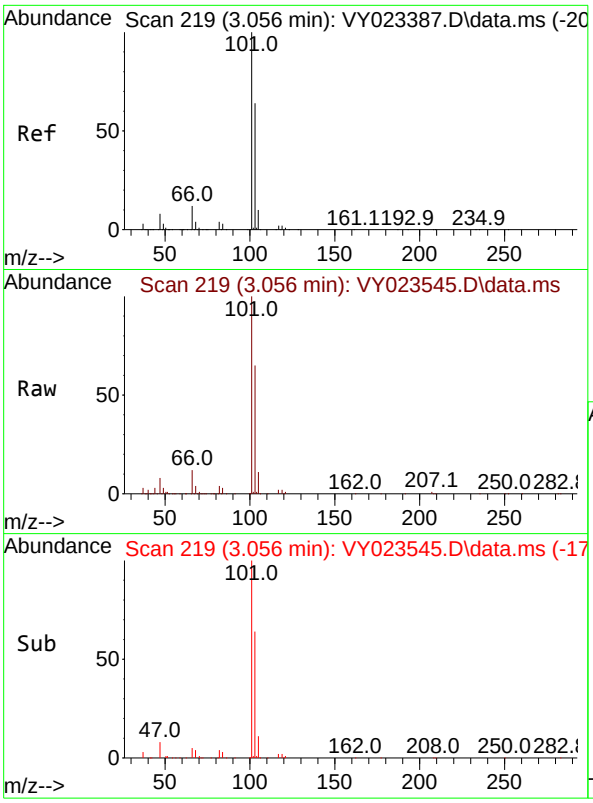


#6
Chloroethane
Concen: 19.775 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 64 Resp: 94090

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.2	39.4

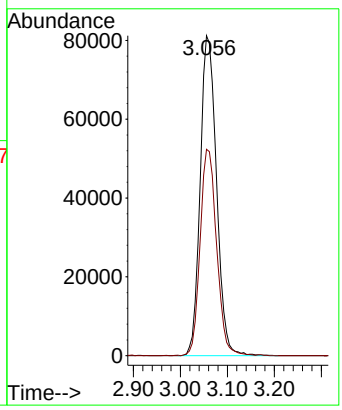




#7
Trichlorofluoromethane
Concen: 20.184 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:101 Resp: 19562

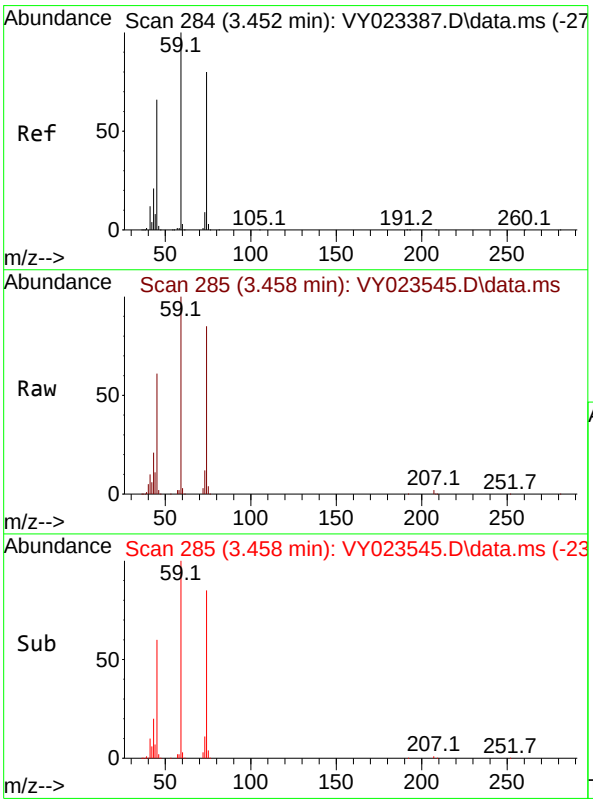
Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.3	76.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

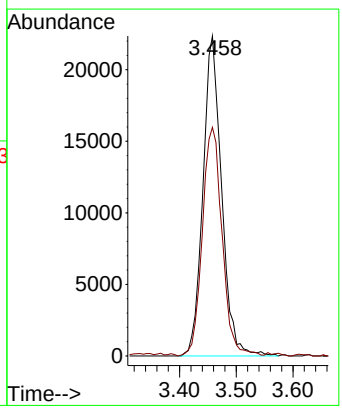
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

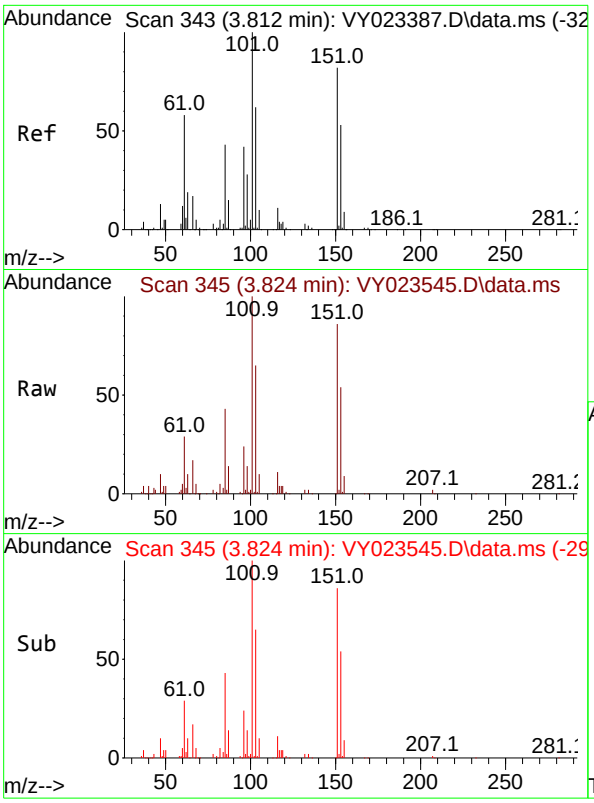


#8
Diethyl Ether
Concen: 20.172 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 74 Resp: 51088

Ion	Ratio	Lower	Upper
74	100		
45	75.5	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.280 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

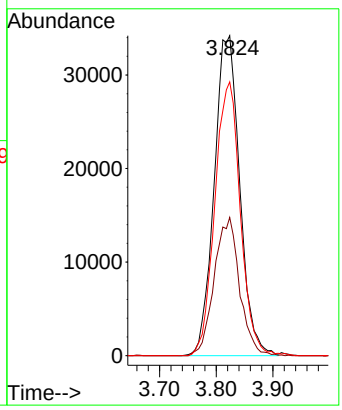
Tgt Ion:101 Resp: 10702

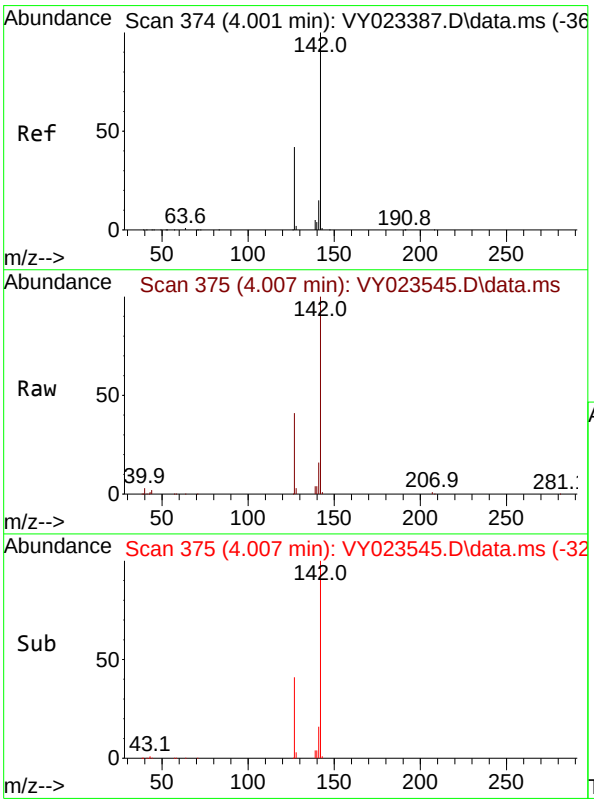
Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.6	51.8
151	85.6	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

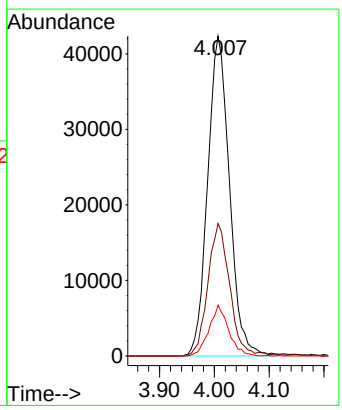


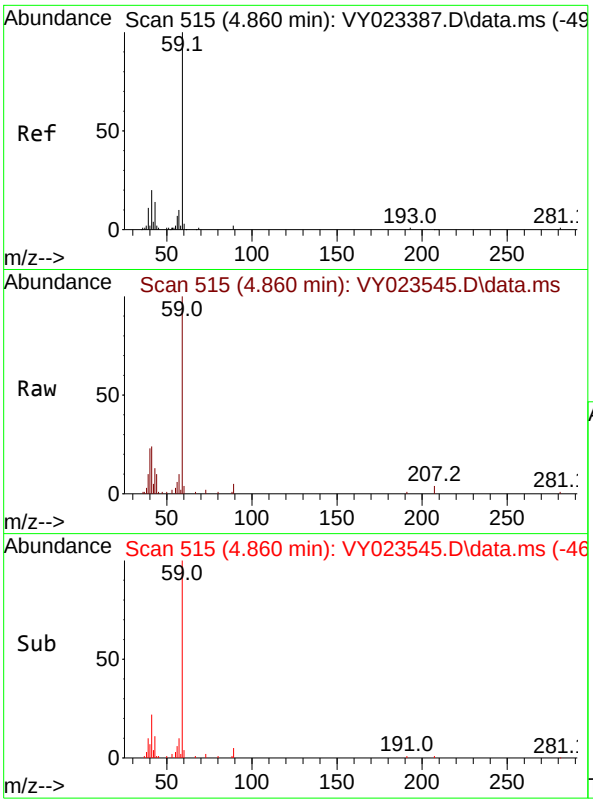


#10
Methyl Iodide
Concen: 20.926 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:142 Resp: 117165

Ion	Ratio	Lower	Upper
142	100		
127	41.3	34.8	52.2
141	14.2	11.6	17.4

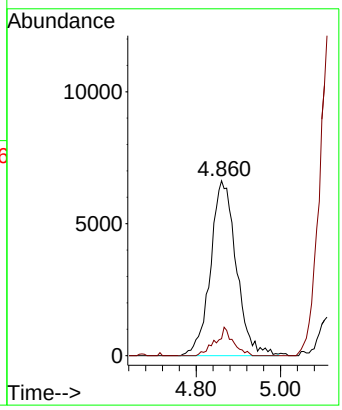




#11
Tert butyl alcohol
Concen: 82.495 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 59 Resp: 2804

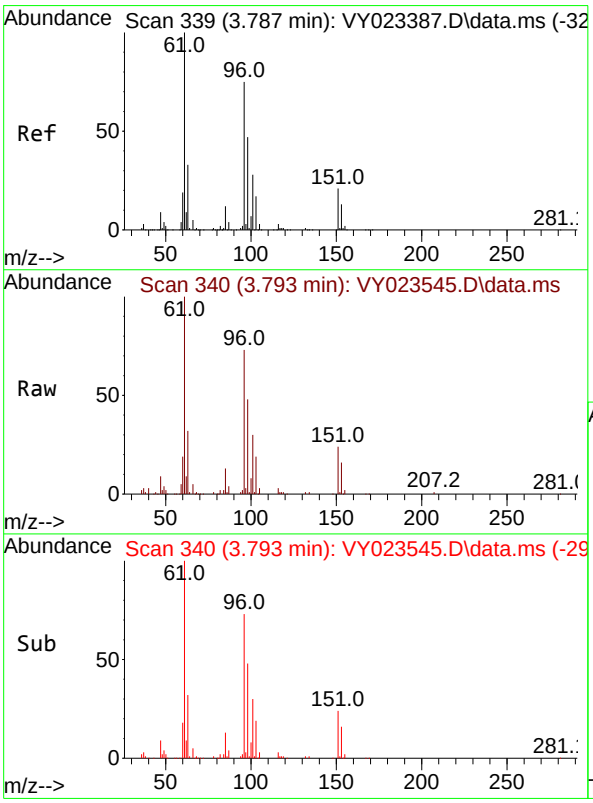
Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

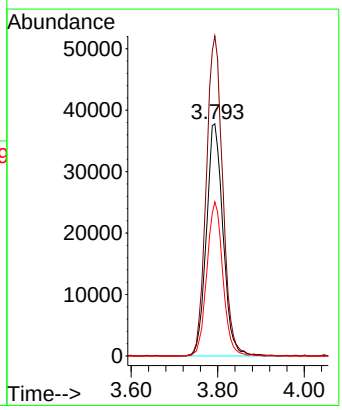
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

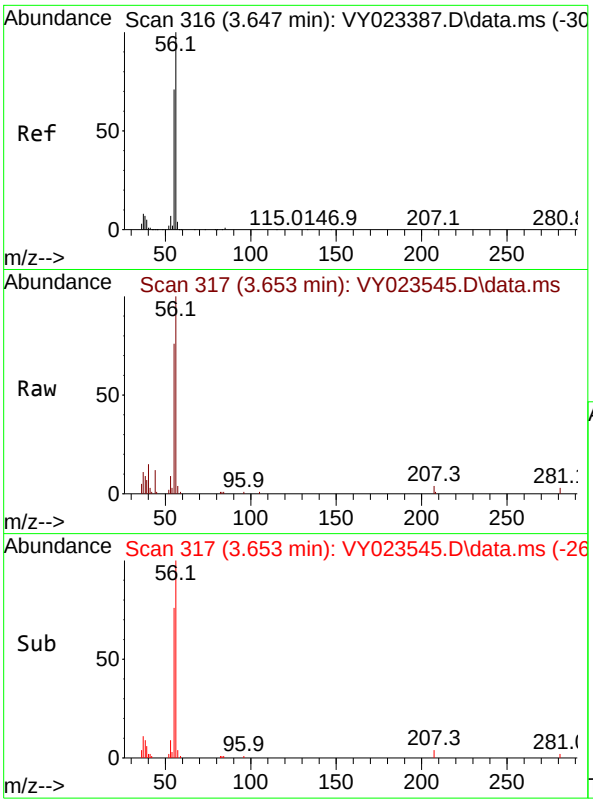


#12
1,1-Dichloroethene
Concen: 20.658 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 96 Resp: 100716

Ion	Ratio	Lower	Upper
96	100		
61	137.8	106.7	160.1
98	66.4	50.2	75.4

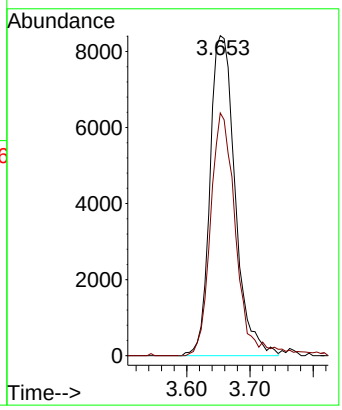




#13
Acrolein
Concen: 48.218 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 56 Resp: 2316

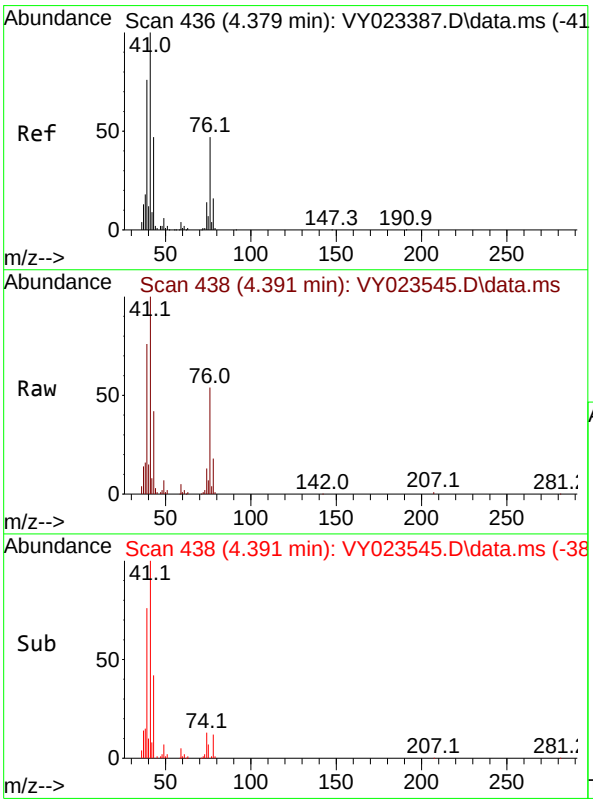
Ion	Ratio	Lower	Upper
56	100		
55	77.1	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

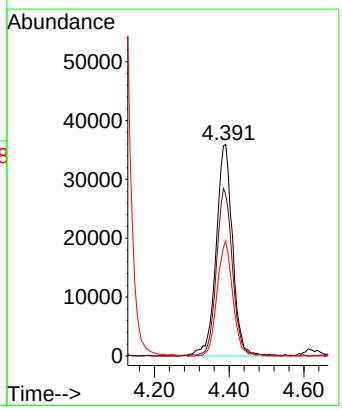
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

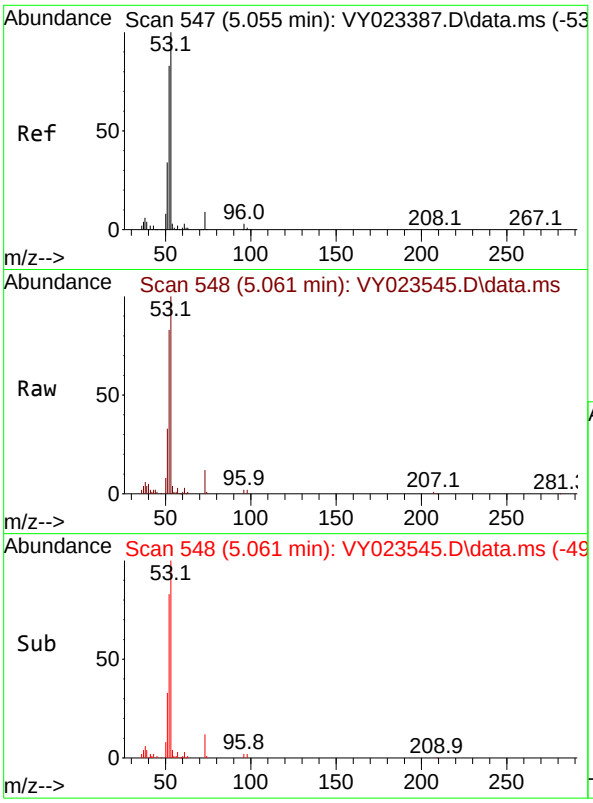


#14
Allyl chloride
Concen: 18.524 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 41 Resp: 110064

Ion	Ratio	Lower	Upper
41	100		
39	77.2	59.9	89.9
76	51.6	38.0	57.0

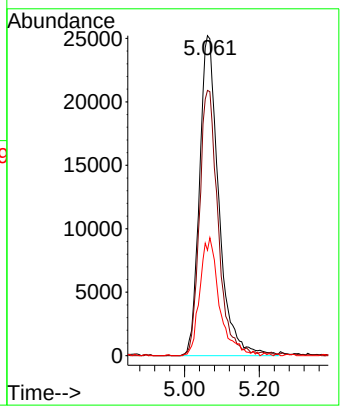




#15
Acrylonitrile
Concen: 93.042 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 53 Resp: 9017

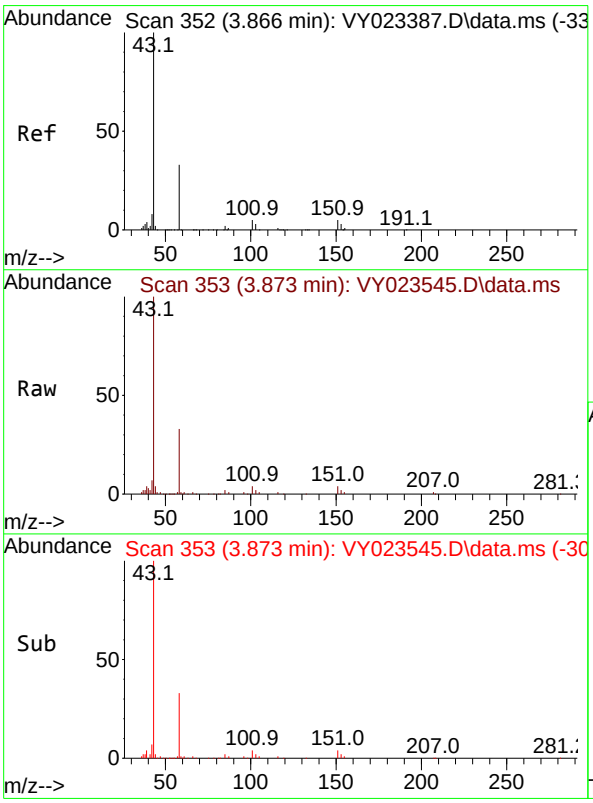
Ion	Ratio	Lower	Upper
53	100		
52	79.9	64.6	97.0
51	37.2	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

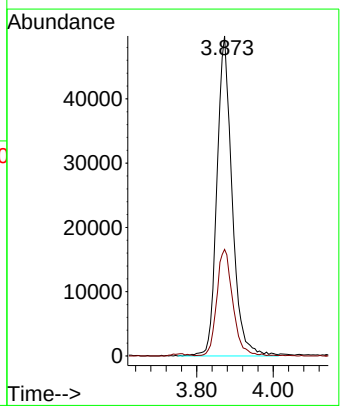
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

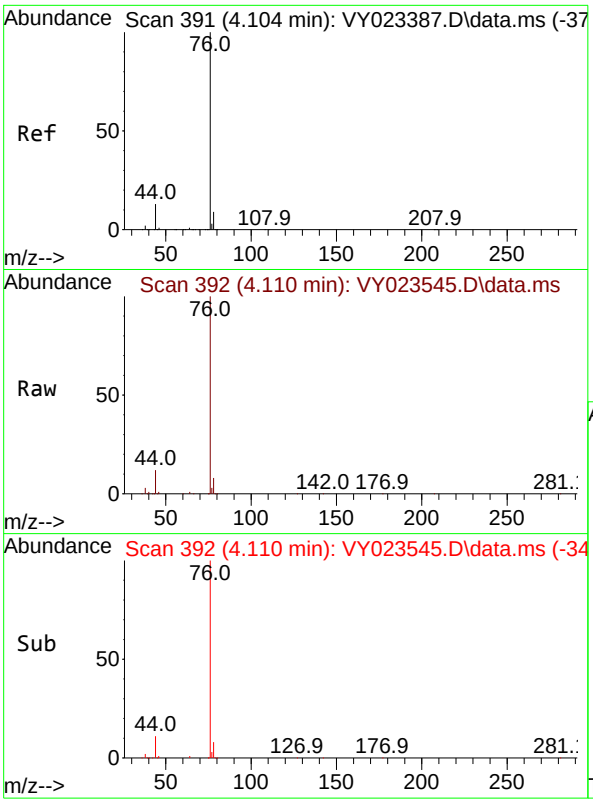


#16
Acetone
Concen: 126.081 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 137184

Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.7	41.5

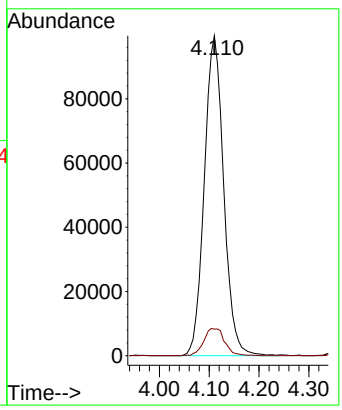




#17
Carbon Disulfide
Concen: 19.273 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 76 Resp: 26893

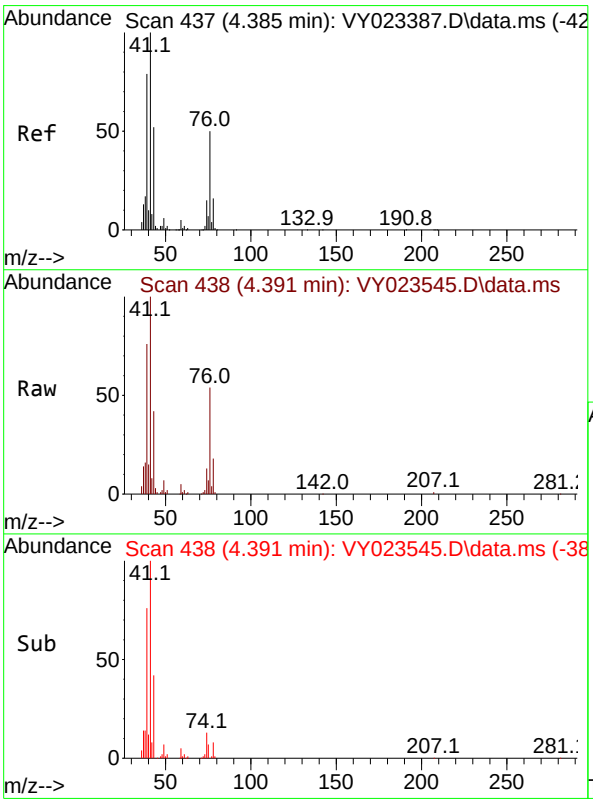
Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

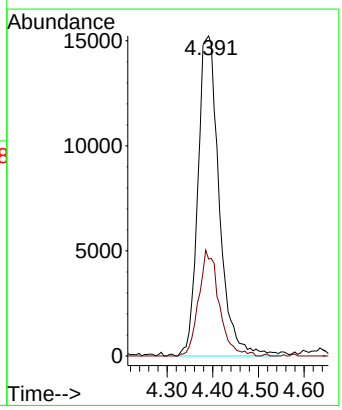
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

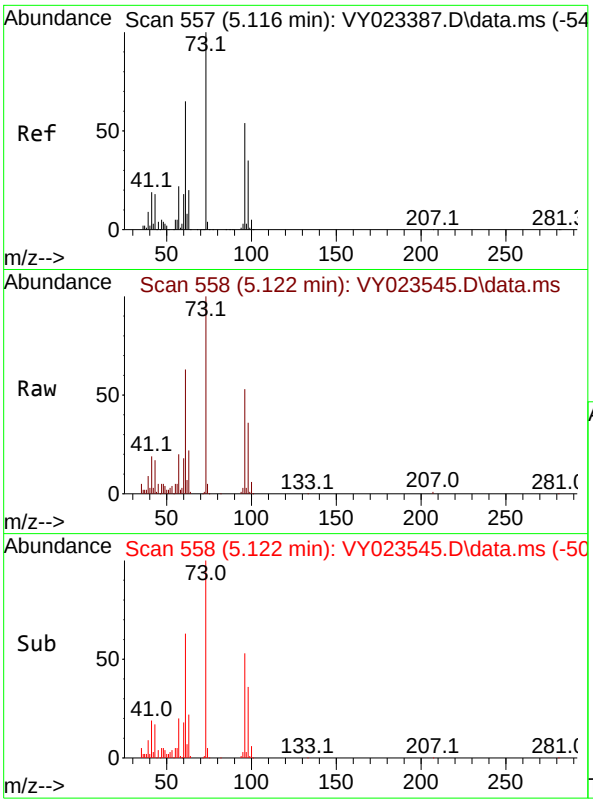


#18
Methyl Acetate
Concen: 17.272 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 49297

Ion	Ratio	Lower	Upper
43	100		
74	31.6	24.2	36.4

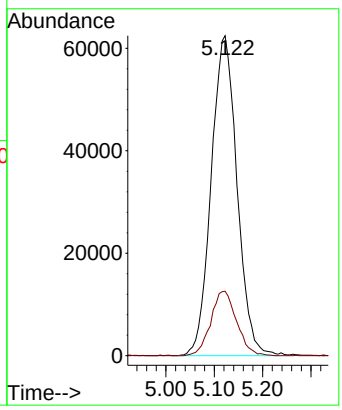




#19
Methyl tert-butyl Ether
Concen: 19.789 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 73 Resp: 23188

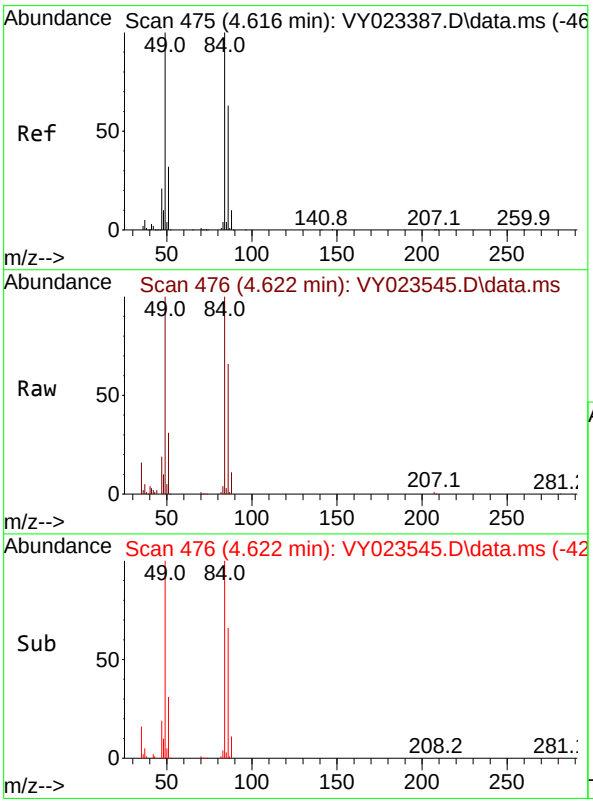
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

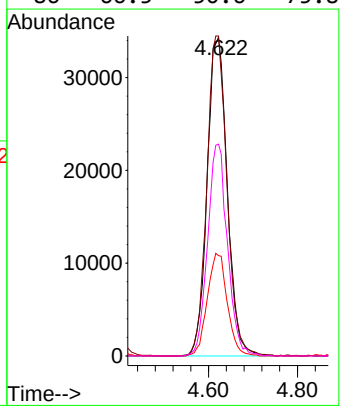
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

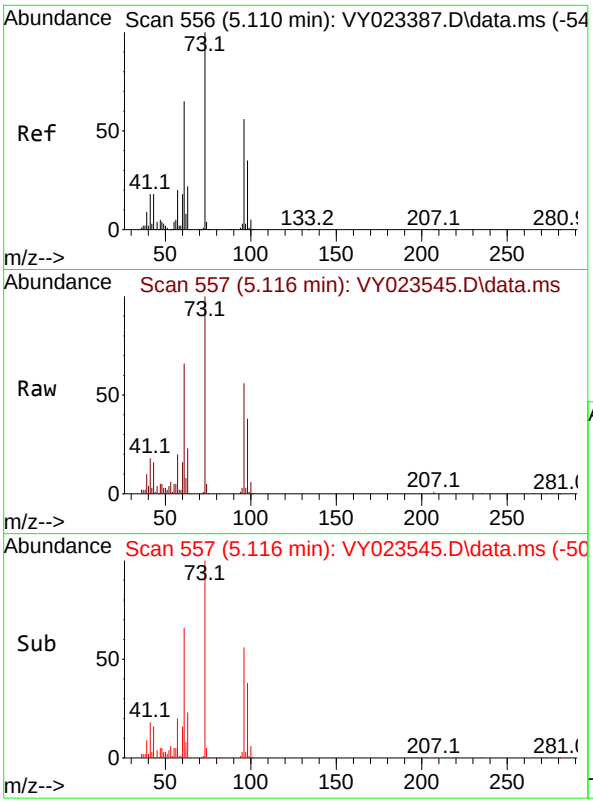


#20
Methylene Chloride
Concen: 18.380 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 84 Resp: 108140

Ion	Ratio	Lower	Upper
84	100		
49	100.4	80.2	120.4
51	31.5	25.9	38.9
86	66.5	50.6	75.8

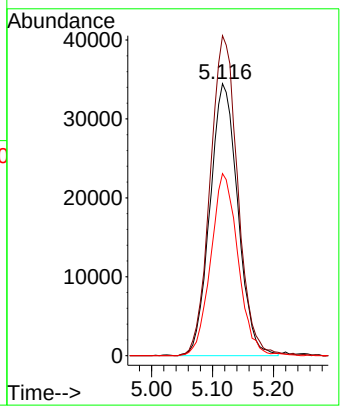




#21
trans-1,2-Dichloroethene
Concen: 20.379 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 96 Resp: 10938

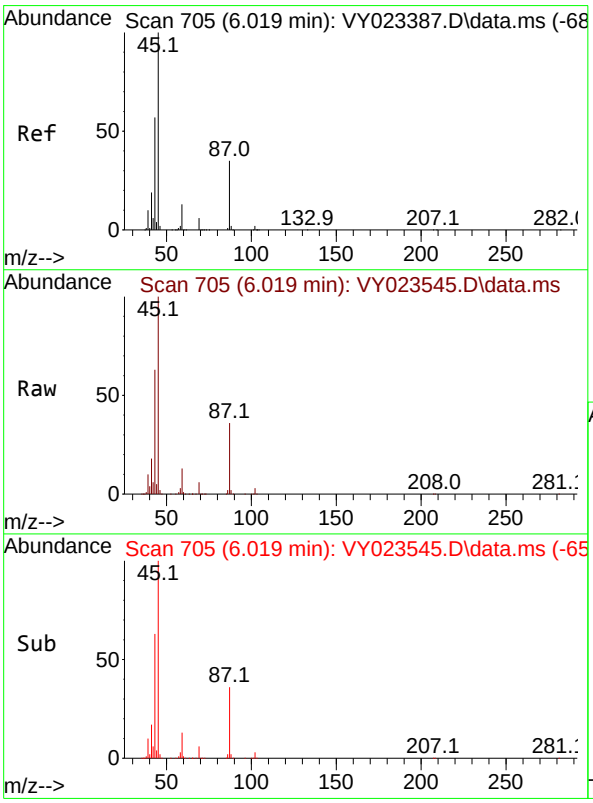
Ion	Ratio	Lower	Upper
96	100		
61	117.6	92.7	139.1
98	66.9	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

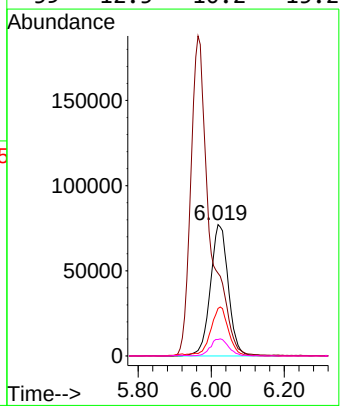
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

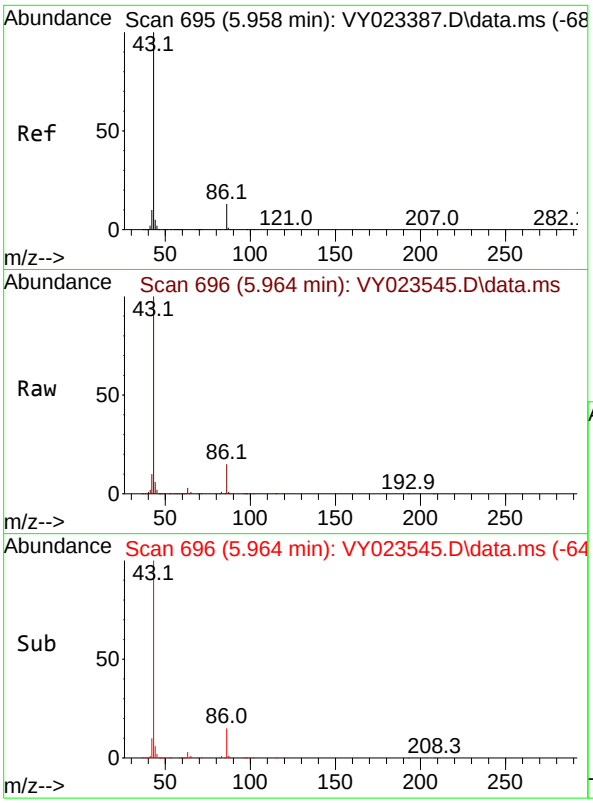


#22
Diisopropyl ether
Concen: 19.963 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 45 Resp: 262379

Ion	Ratio	Lower	Upper
45	100		
43	62.2	45.6	68.4
87	36.1	28.1	42.1
59	12.5	10.2	15.2

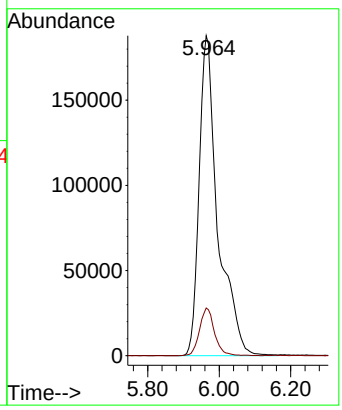




#23
Vinyl Acetate
Concen: 95.797 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 68150

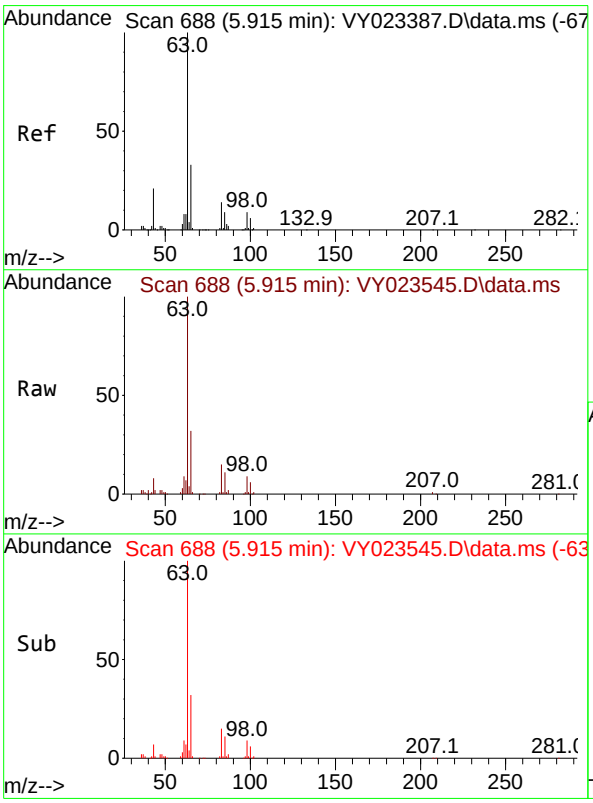
Ion	Ratio	Lower	Upper
43	100		
86	14.9	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

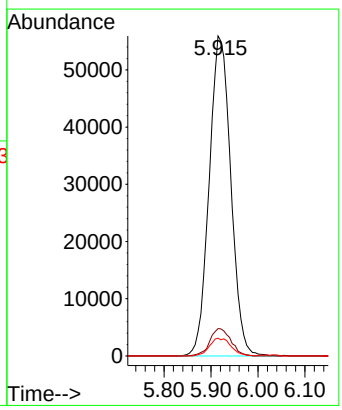
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

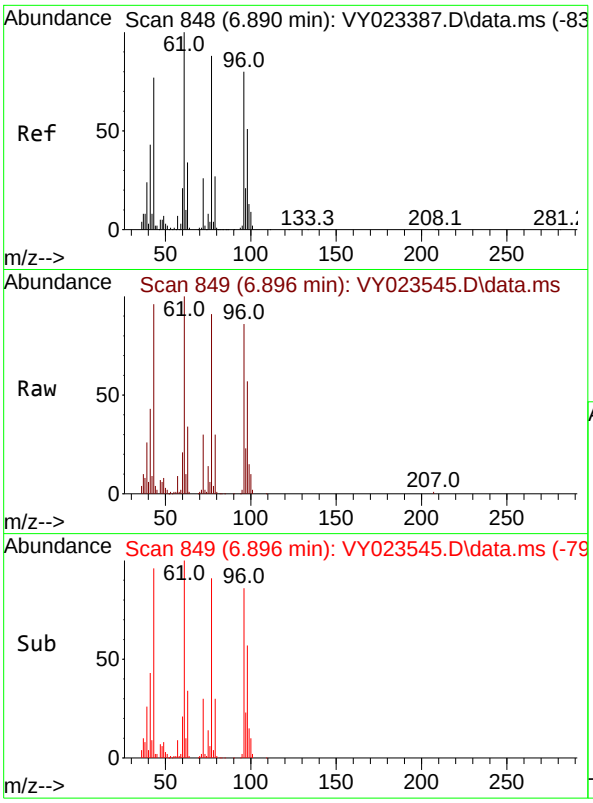


#24
1,1-Dichloroethane
Concen: 20.524 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 63 Resp: 178683

Ion	Ratio	Lower	Upper
63	100		
98	8.6	4.3	13.1
100	5.5	2.8	8.4





#25
2-Butanone
Concen: 107.638 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

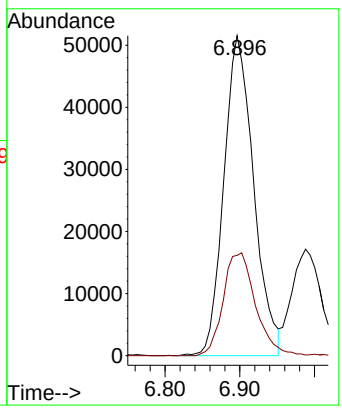
Tgt Ion: 43 Resp: 14298

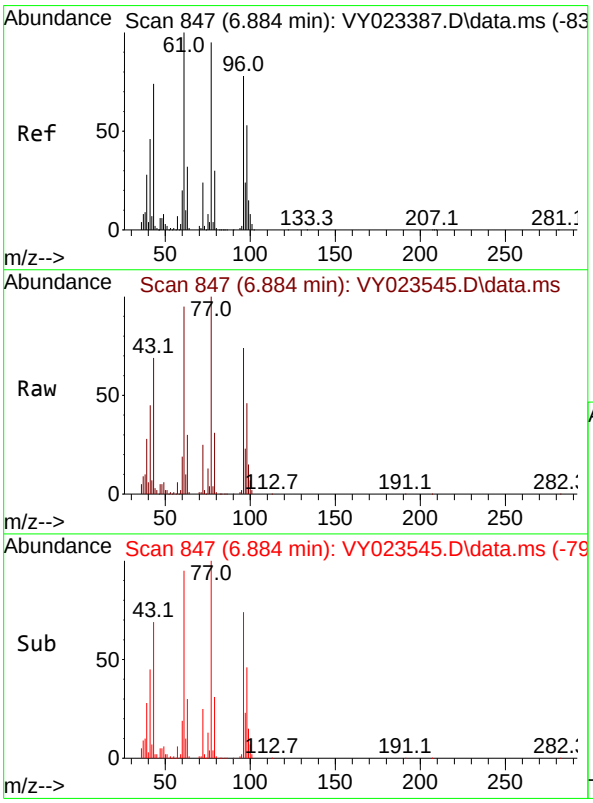
Ion	Ratio	Lower	Upper
43	100		
72	31.3	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

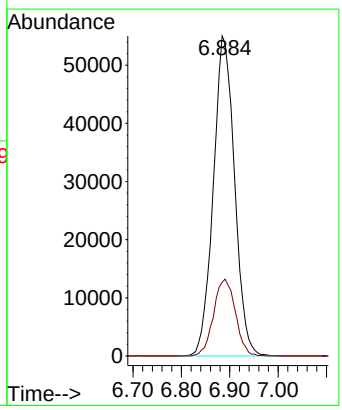


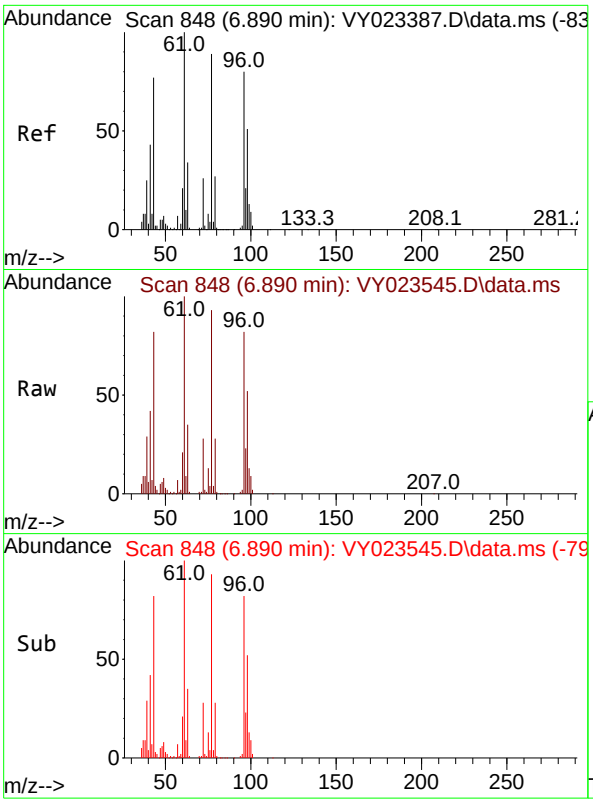


#26
2,2-Dichloropropane
Concen: 21.021 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 77 Resp: 167931

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 21.211 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

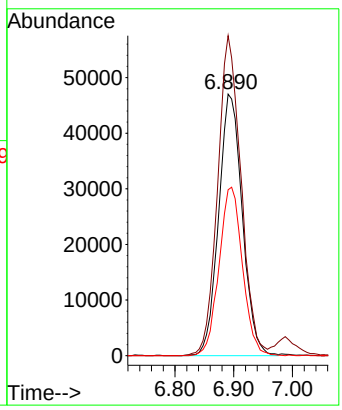
Tgt Ion: 96 Resp: 13151

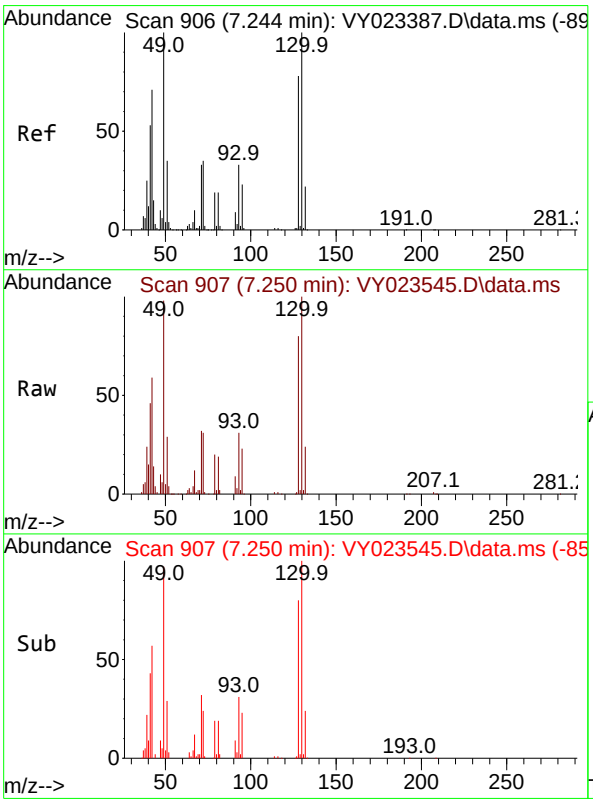
Ion	Ratio	Lower	Upper
96	100		
61	120.8	0.0	258.2
98	63.9	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

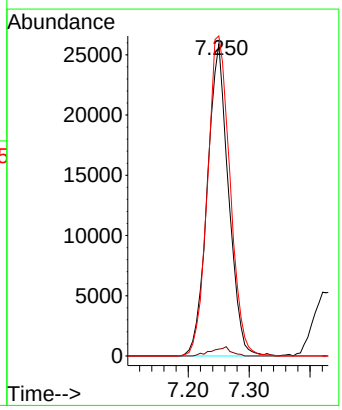


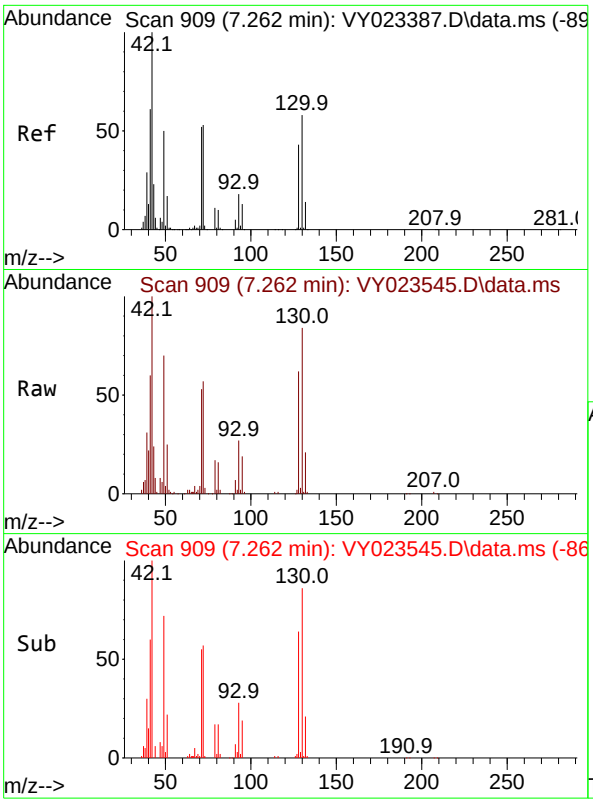


#28
Bromochloromethane
Concen: 19.264 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 49 Resp: 62608

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	108.9	81.9	122.9

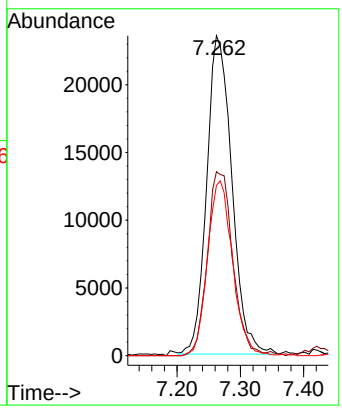




#29
Tetrahydrofuran
Concen: 86.341 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 42 Resp: 6503

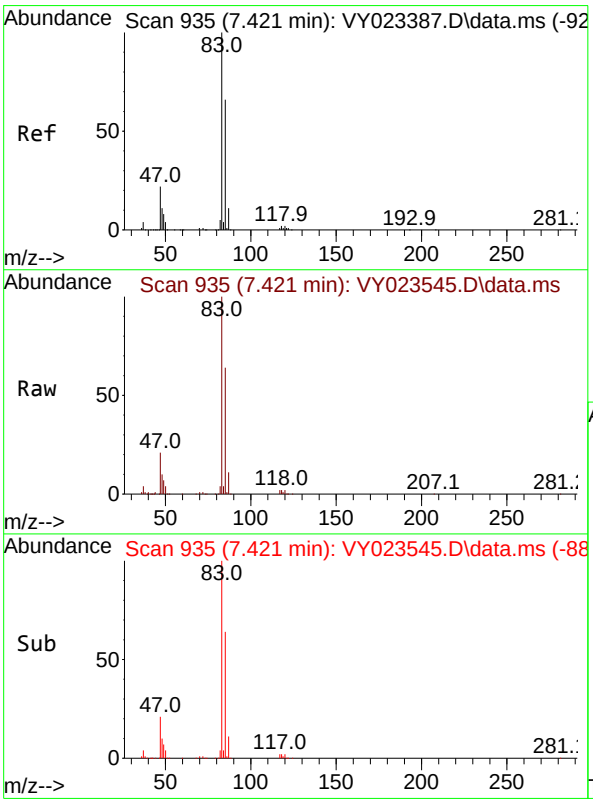
Ion	Ratio	Lower	Upper
42	100		
72	58.5	43.0	64.6
71	54.7	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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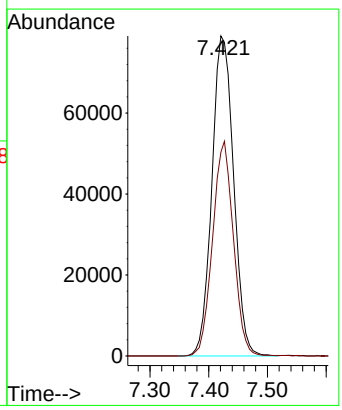
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

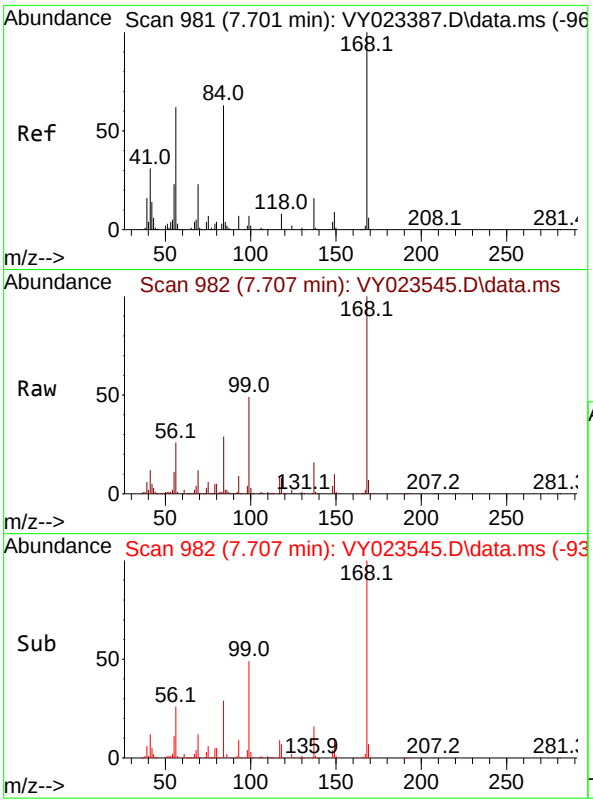


#30
Chloroform
Concen: 21.198 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 83 Resp: 202767

Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.5	78.7

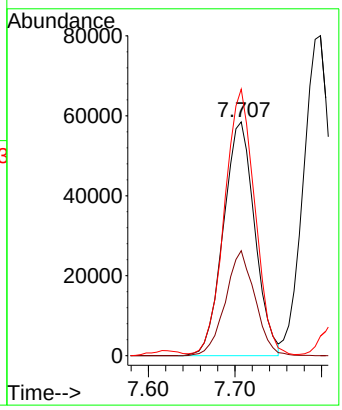




#31
Cyclohexane
Concen: 19.331 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 56 Resp: 14697

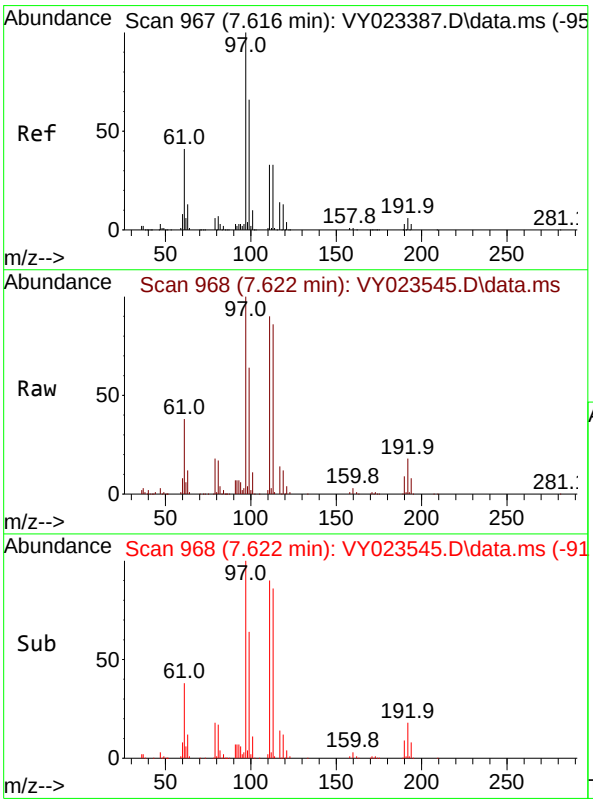
Ion	Ratio	Lower	Upper
56	100		
69	44.9	30.0	45.0
84	112.5	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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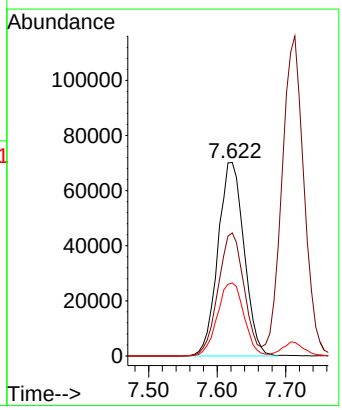
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

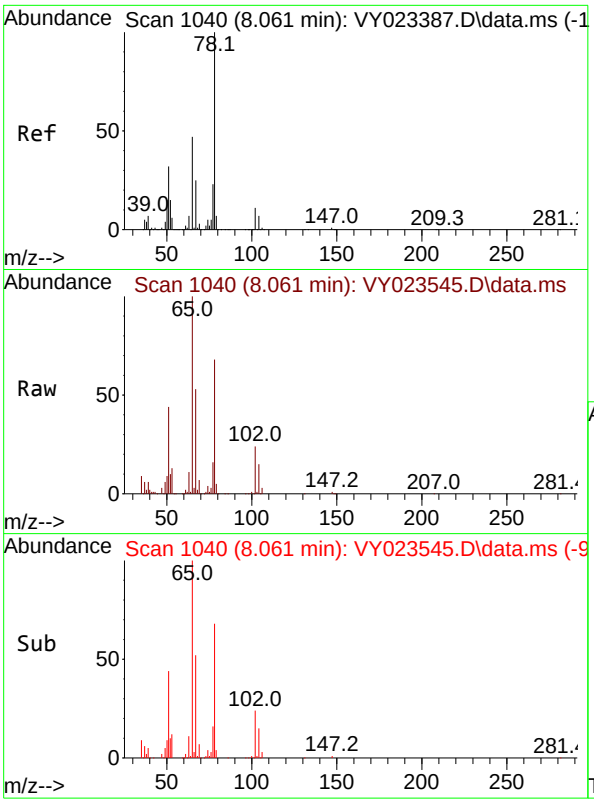


#32
1,1,1-Trichloroethane
Concen: 21.339 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 97 Resp: 185487

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.2
61	38.4	31.9	47.9

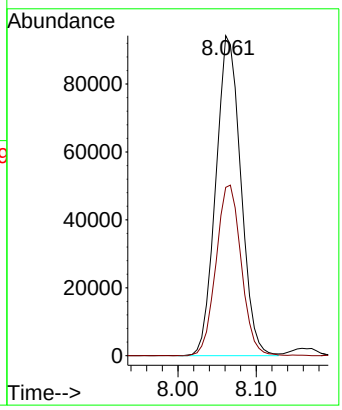




#33
1,2-Dichloroethane-d4
Concen: 45.699 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 65 Resp: 20886

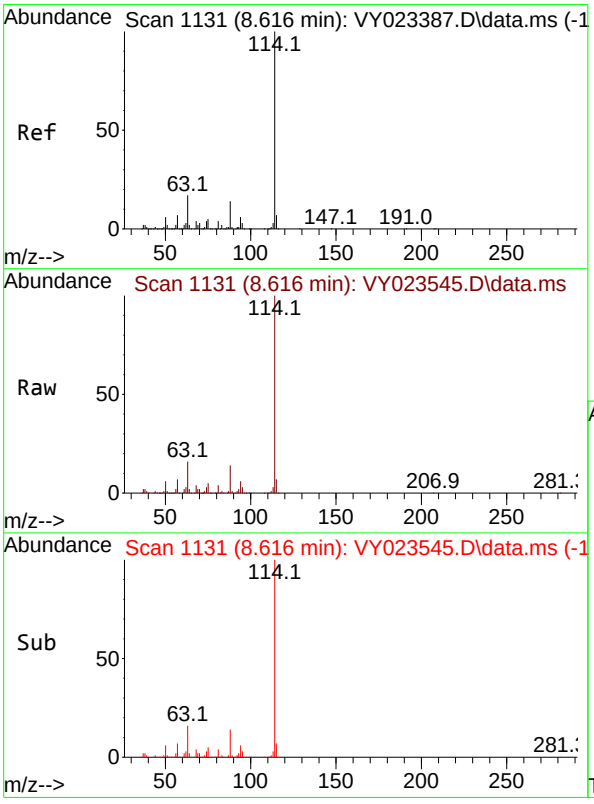
Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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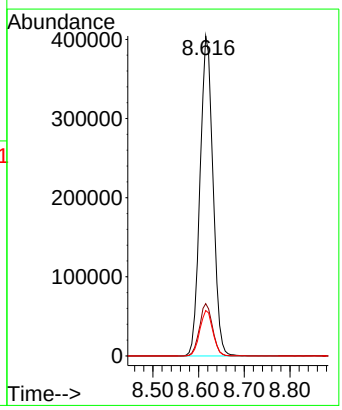
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

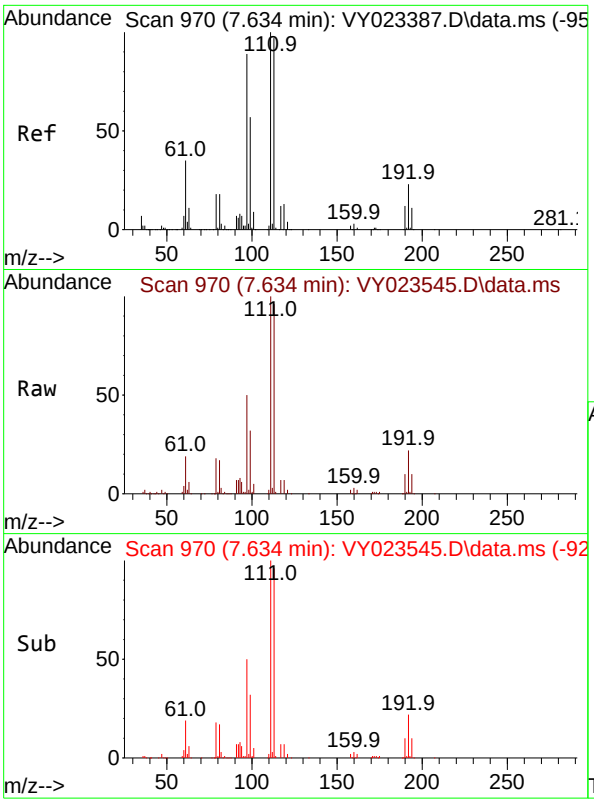


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:114 Resp: 794303

Ion	Ratio	Lower	Upper
114	100		
63	16.3	0.0	34.2
88	14.2	0.0	28.4

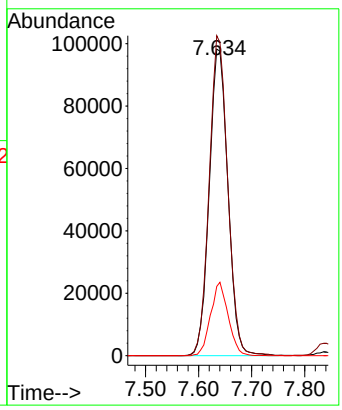




#35
Dibromofluoromethane
Concen: 49.282 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

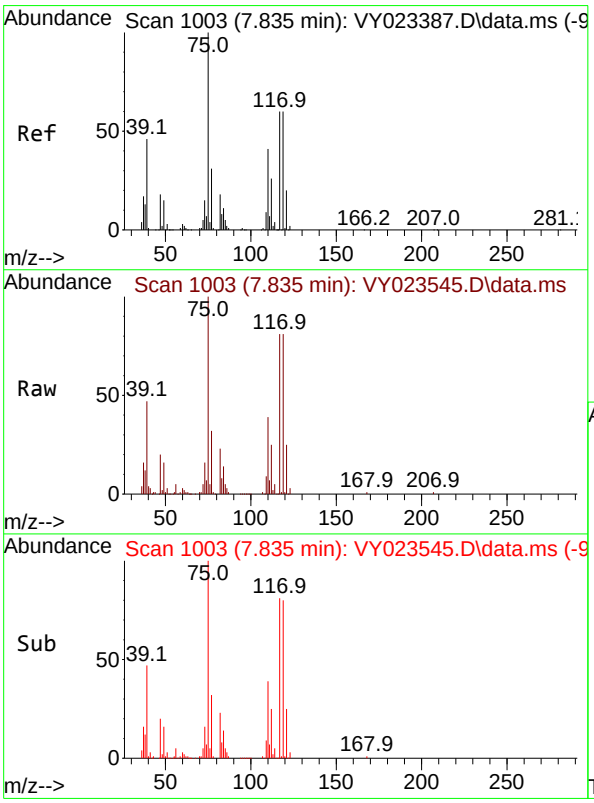
Tgt Ion:113 Resp: 24052

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	22.6	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

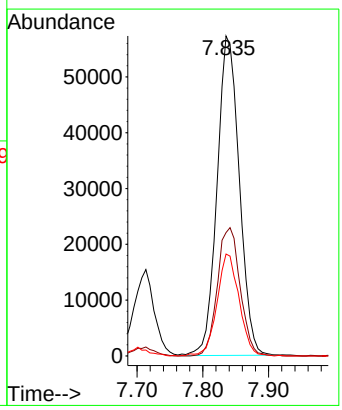
Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

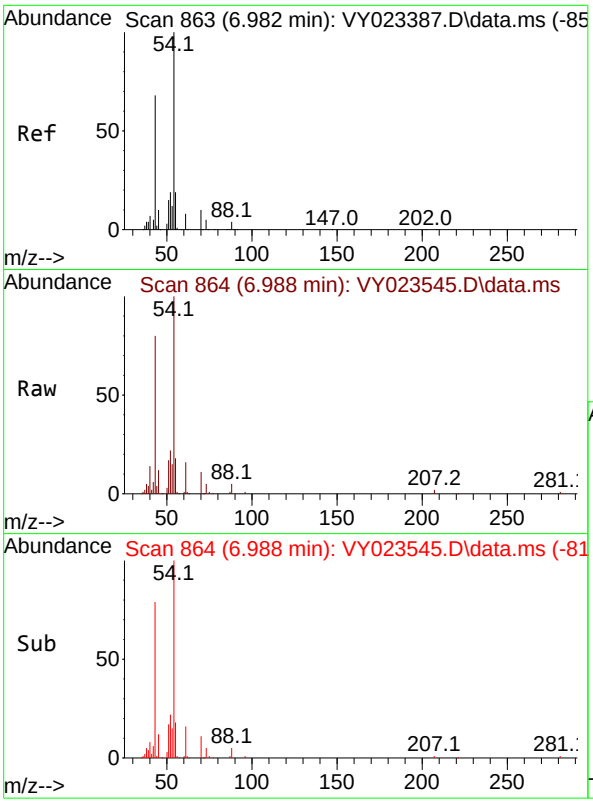


#36
1,1-Dichloropropene
Concen: 20.873 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 134867

Ion	Ratio	Lower	Upper
75	100		
110	41.2	19.9	59.7
77	31.7	25.0	37.6





#37
Ethyl Acetate
Concen: 18.620 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

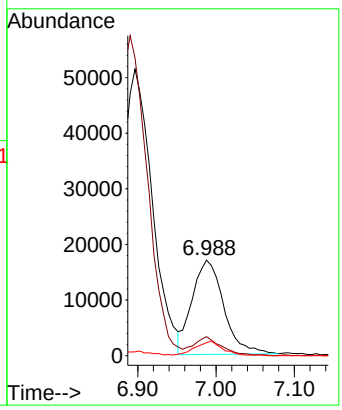
Tgt Ion: 43 Resp: 4766

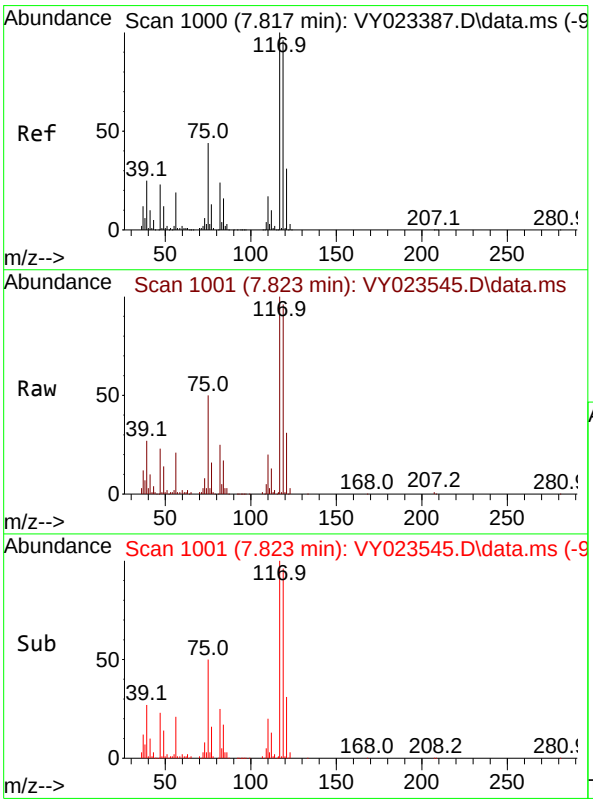
Ion	Ratio	Lower	Upper
43	100		
61	17.8	11.8	17.8
70	13.5	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

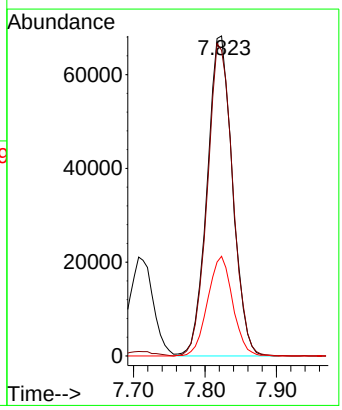


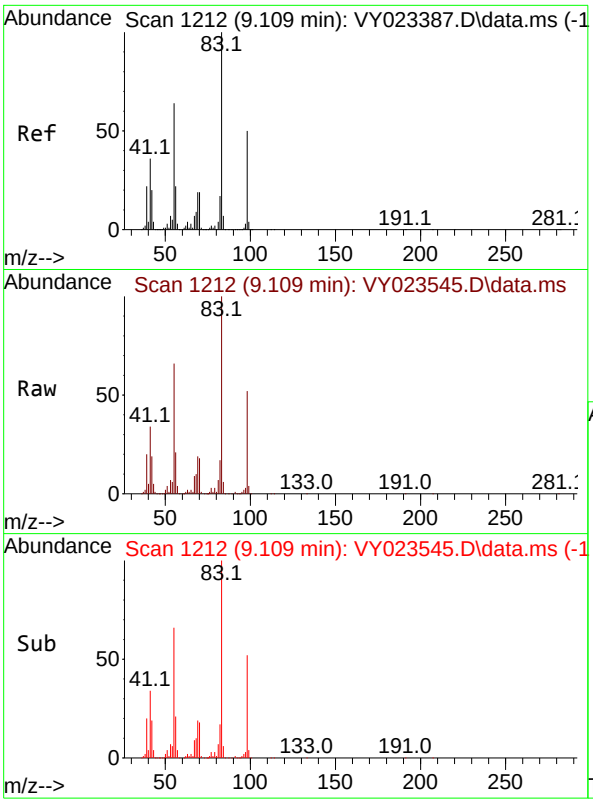


#38
Carbon Tetrachloride
Concen: 21.380 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:117 Resp: 167506

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.8	115.2
121	31.2	24.5	36.7





#39
Methylcyclohexane
Concen: 20.726 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

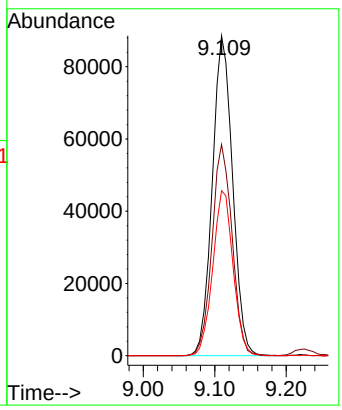
Tgt Ion: 83 Resp: 17436

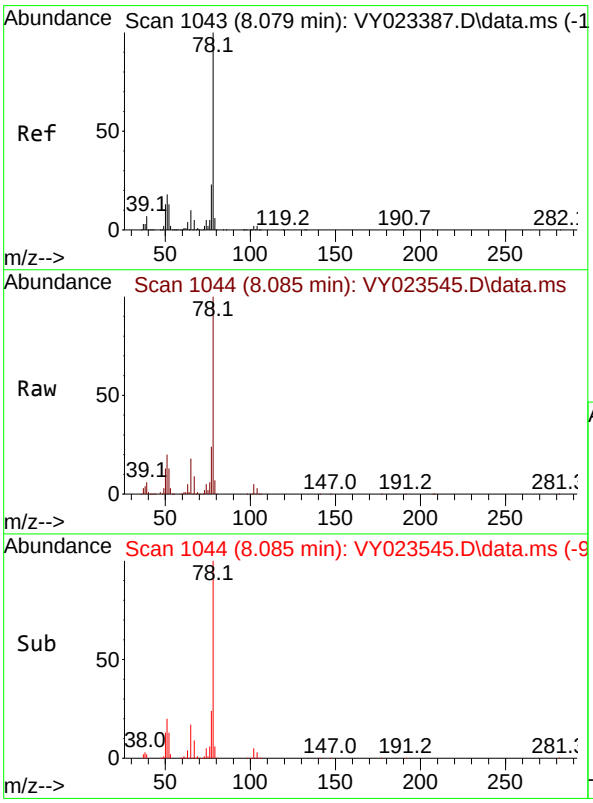
Ion	Ratio	Lower	Upper
83	100		
55	66.0	51.4	77.2
98	51.6	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

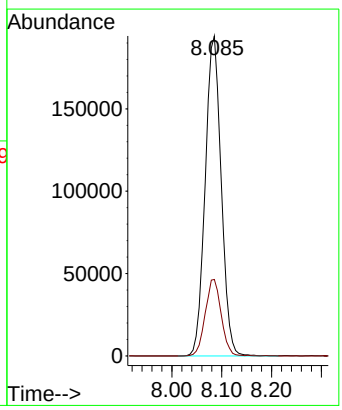


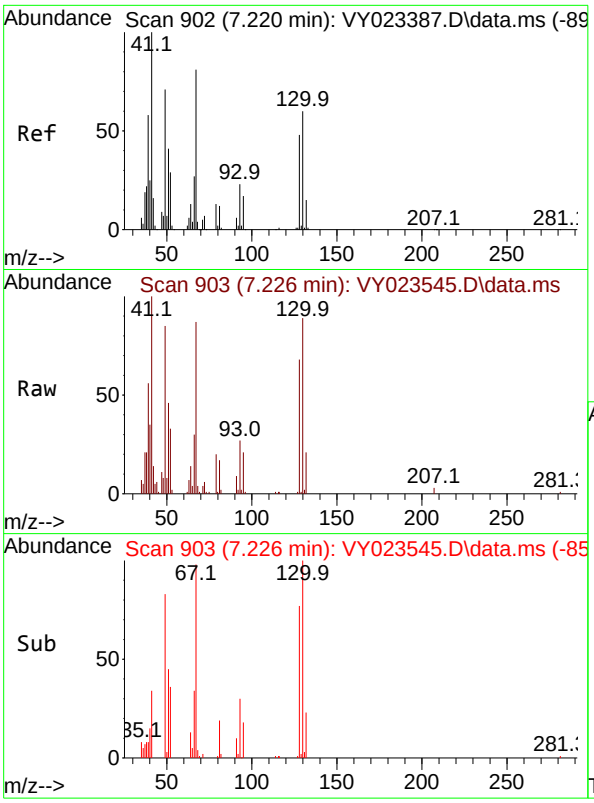


#40
Benzene
Concen: 21.157 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 78 Resp: 432933

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.3	27.5

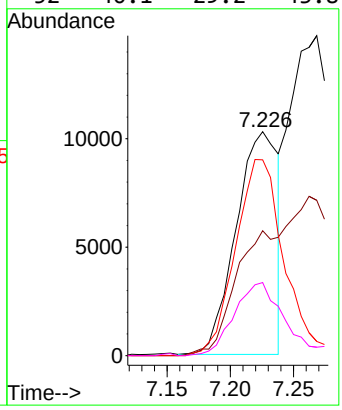




#41
Methacrylonitrile
Concen: 17.080 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 41 Resp: 2364

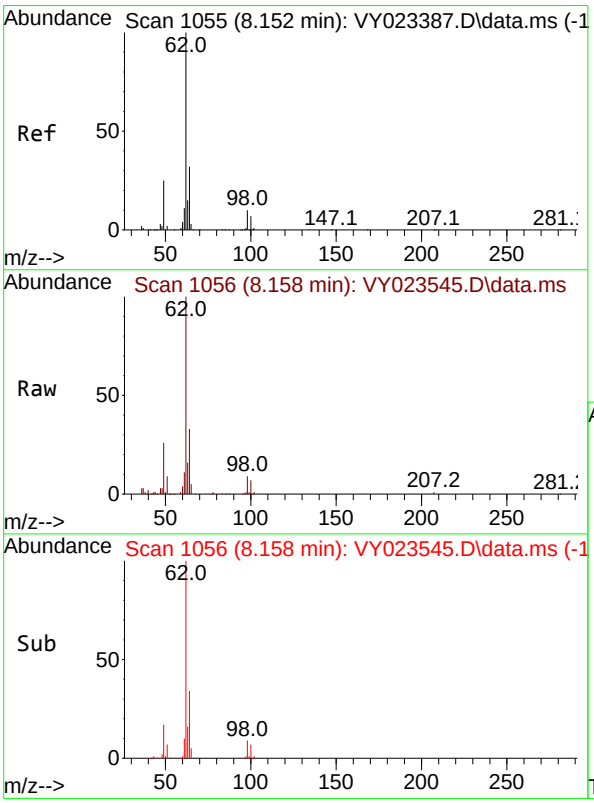
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.2	78.4
67	102.5	74.9	112.3
52	40.1	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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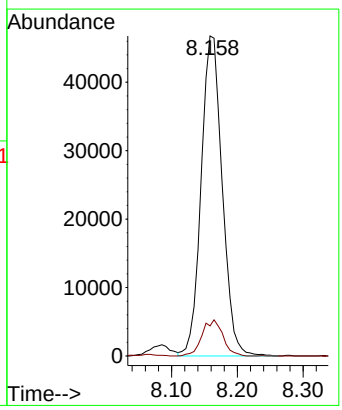
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

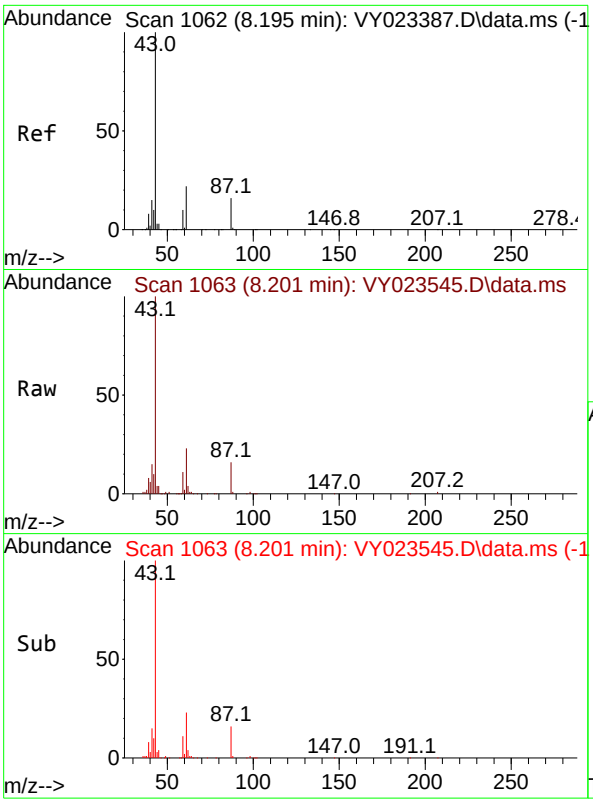


#42
1,2-Dichloroethane
Concen: 19.787 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 62 Resp: 104422

Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.6

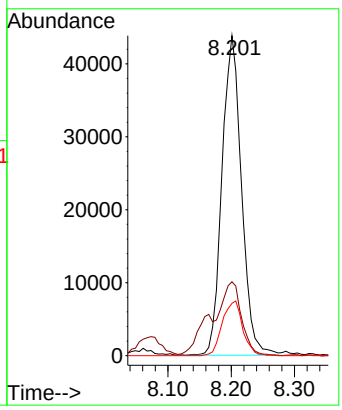




#43
Isopropyl Acetate
Concen: 18.386 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 9385

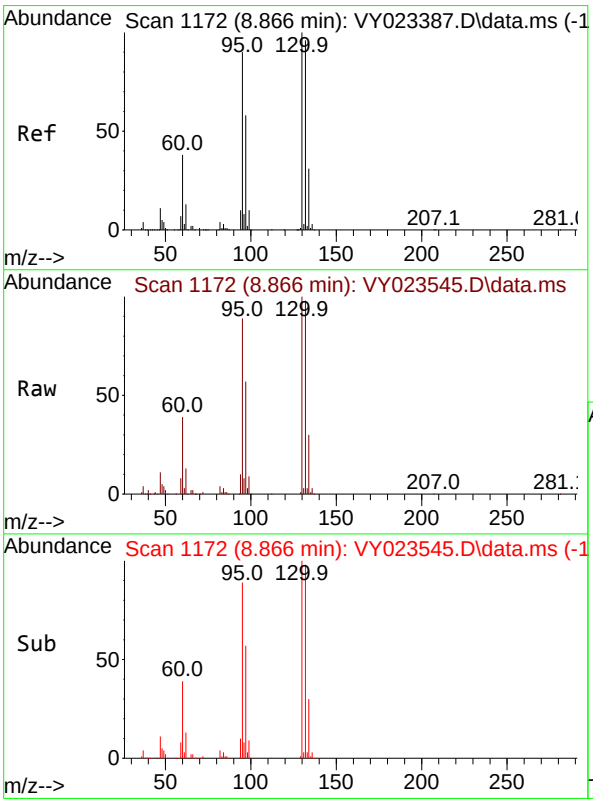
Ion	Ratio	Lower	Upper
43	100		
61	25.1	18.1	27.1
87	17.9	13.5	20.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

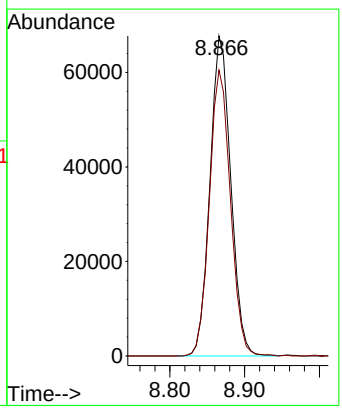
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

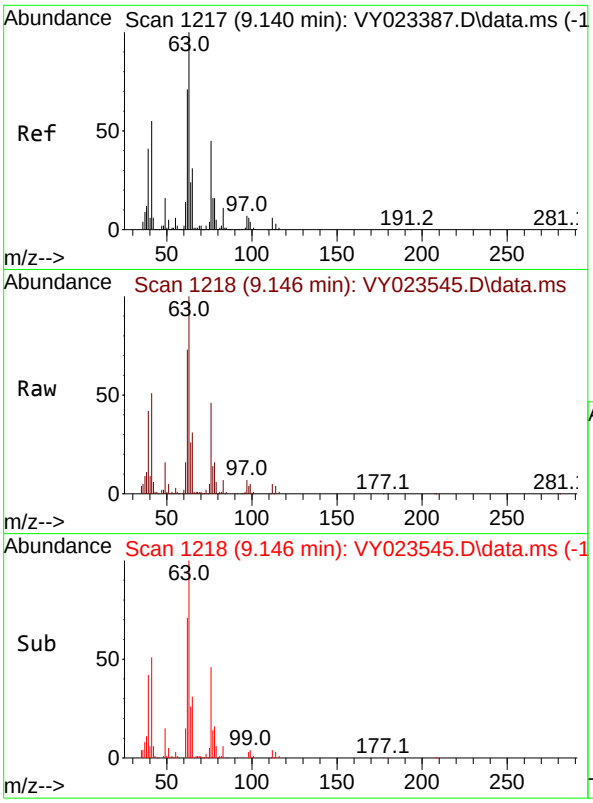


#44
Trichloroethene
Concen: 21.940 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:130 Resp: 131401

Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	180.6

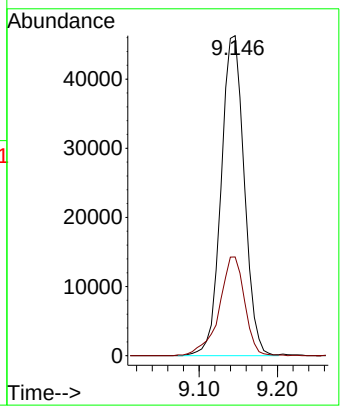




#45
1,2-Dichloropropane
Concen: 21.006 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 63 Resp: 9494

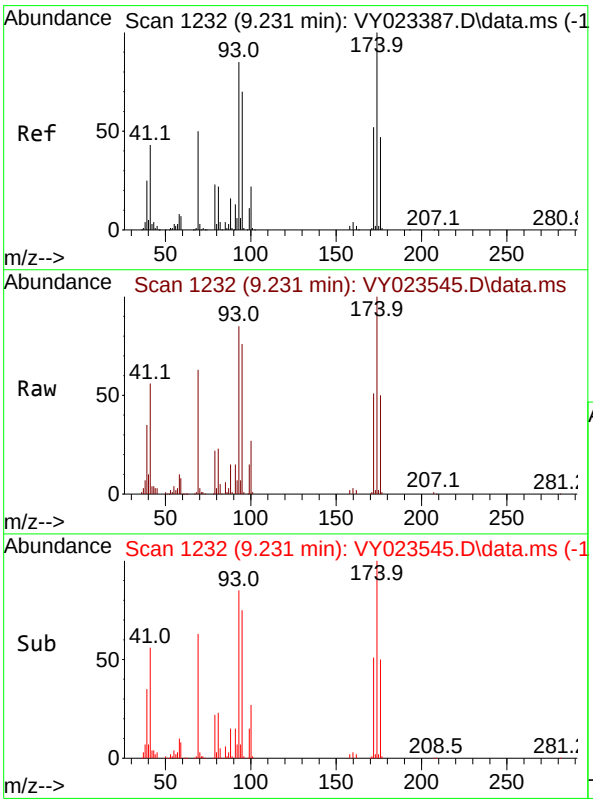
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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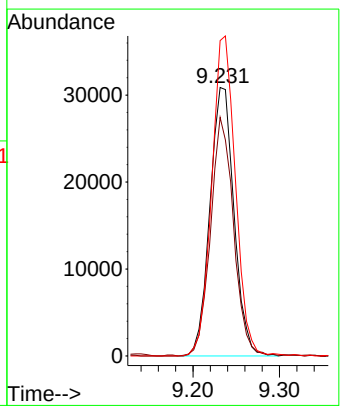
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

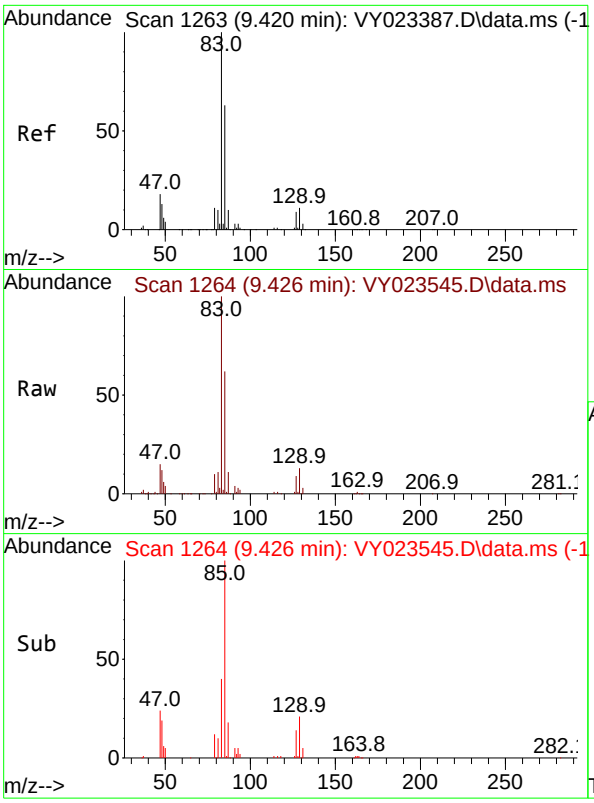


#46
Dibromomethane
Concen: 20.843 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 93 Resp: 59570

Ion	Ratio	Lower	Upper
93	100		
95	85.1	65.4	98.0
174	117.7	92.9	139.3

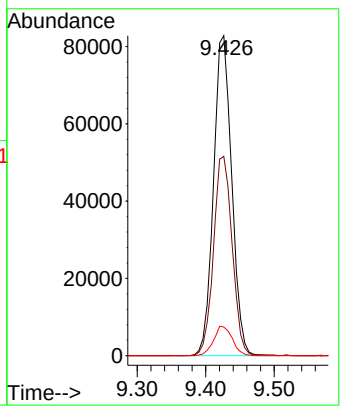




#47
Bromodichloromethane
Concen: 21.237 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 83 Resp: 15285

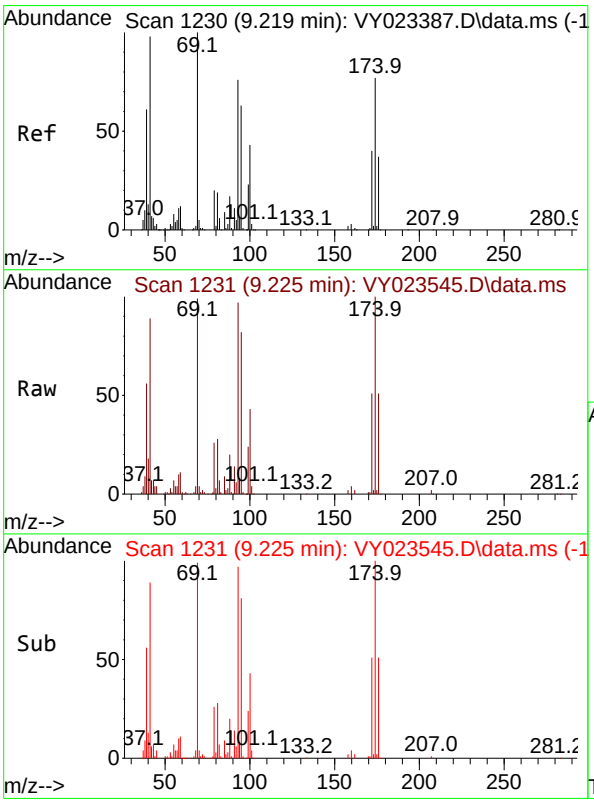
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.8	76.2
127	8.9	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

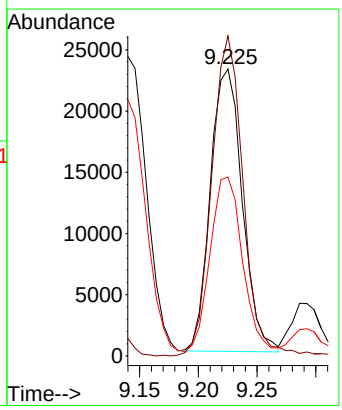
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

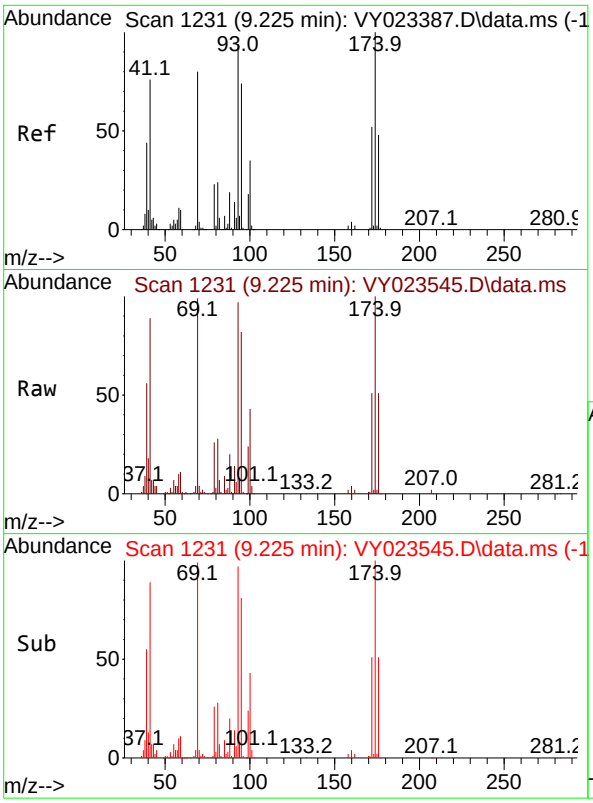


#48
Methyl methacrylate
Concen: 18.246 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 41 Resp: 43753

Ion	Ratio	Lower	Upper
41	100		
69	111.4	81.0	121.4
39	62.9	48.2	72.4





#49
1,4-Dioxane
Concen: 368.059 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

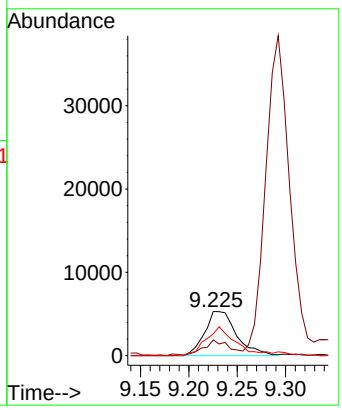
Tgt Ion: 88 Resp: 1219

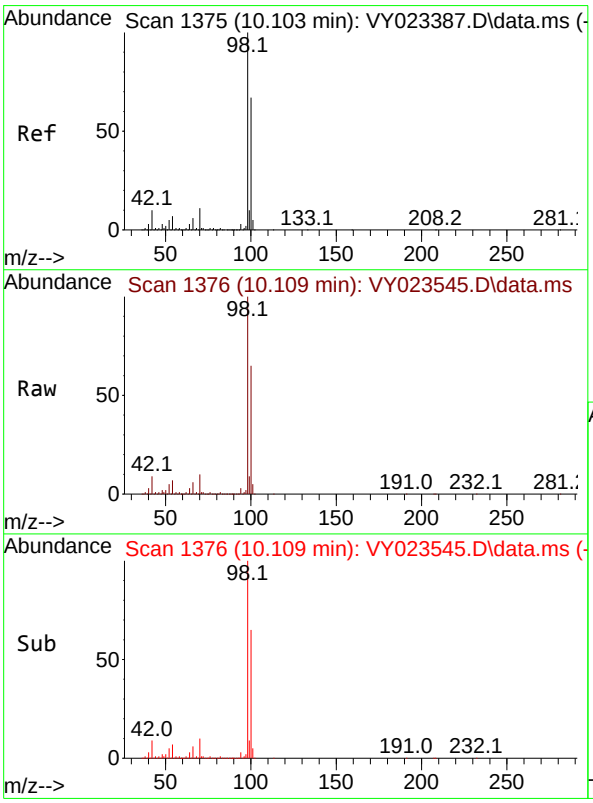
Ion	Ratio	Lower	Upper
88	100		
43	30.0	21.8	32.8
58	60.8	46.8	70.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

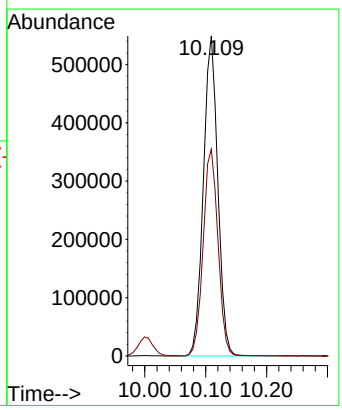


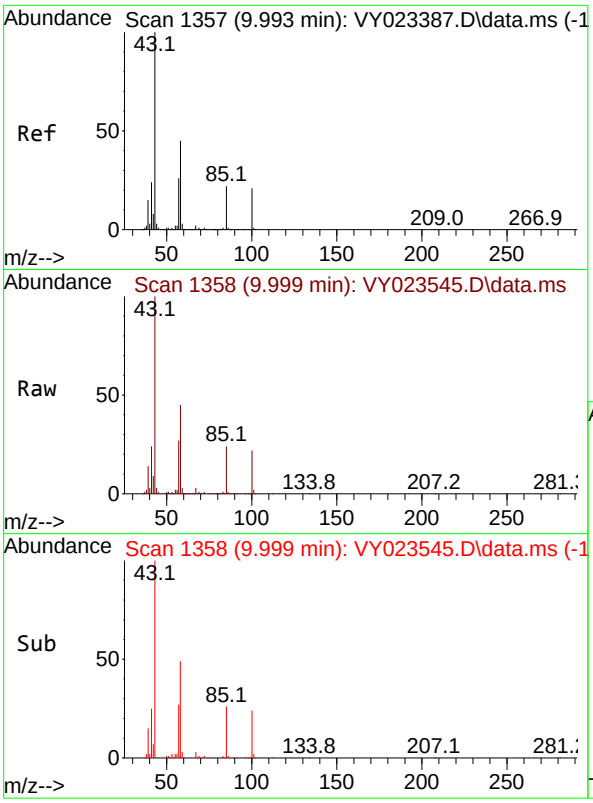


#50
Toluene-d8
Concen: 49.771 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 98 Resp: 904633

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

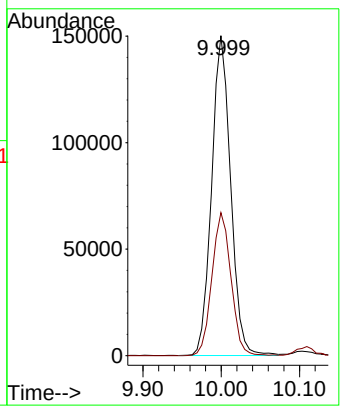




#51
4-Methyl-2-Pentanone
Concen: 96.032 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 25326

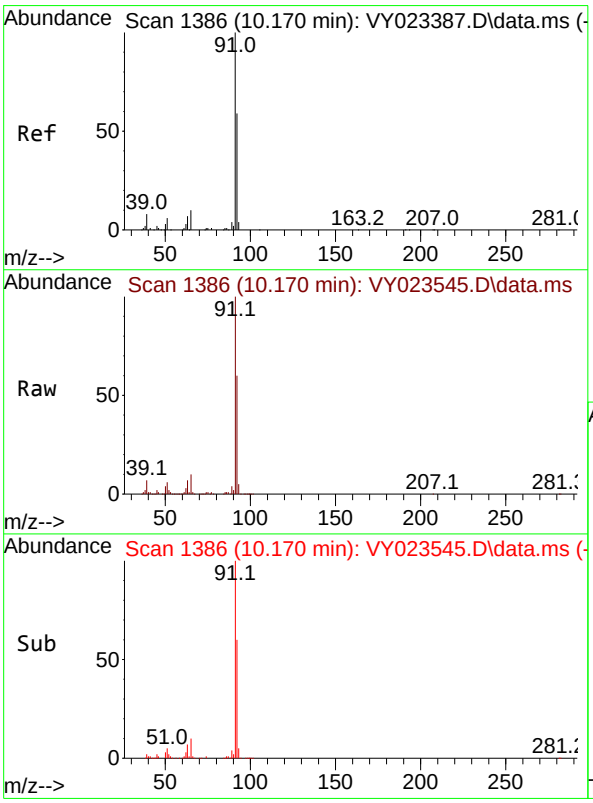
Ion	Ratio	Lower	Upper
43	100		
58	45.0	35.3	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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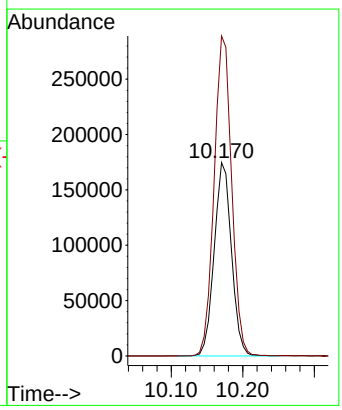
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

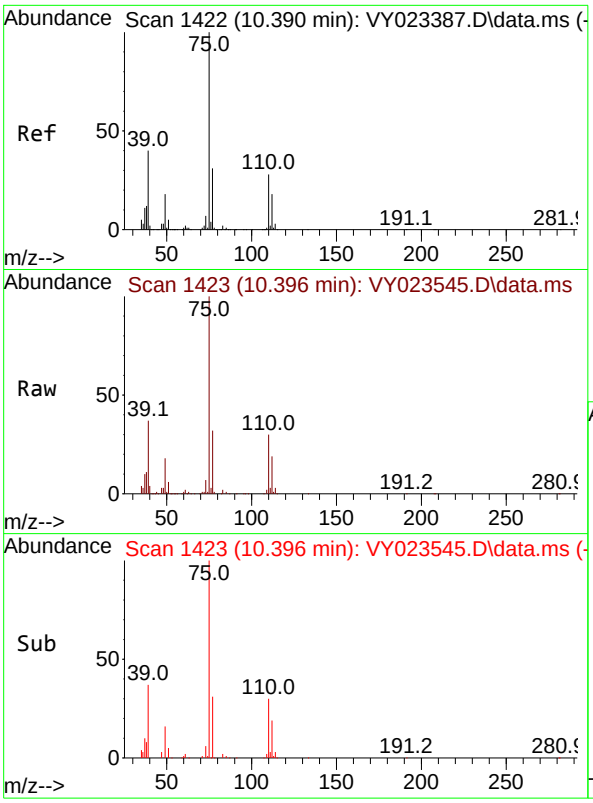


#52
Toluene
Concen: 21.986 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 92 Resp: 292104

Ion	Ratio	Lower	Upper
92	100		
91	168.4	136.4	204.6

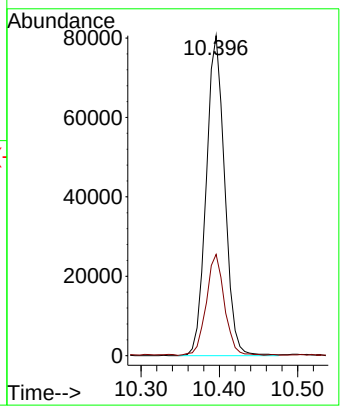




#53
t-1,3-Dichloropropene
Concen: 21.031 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 13162

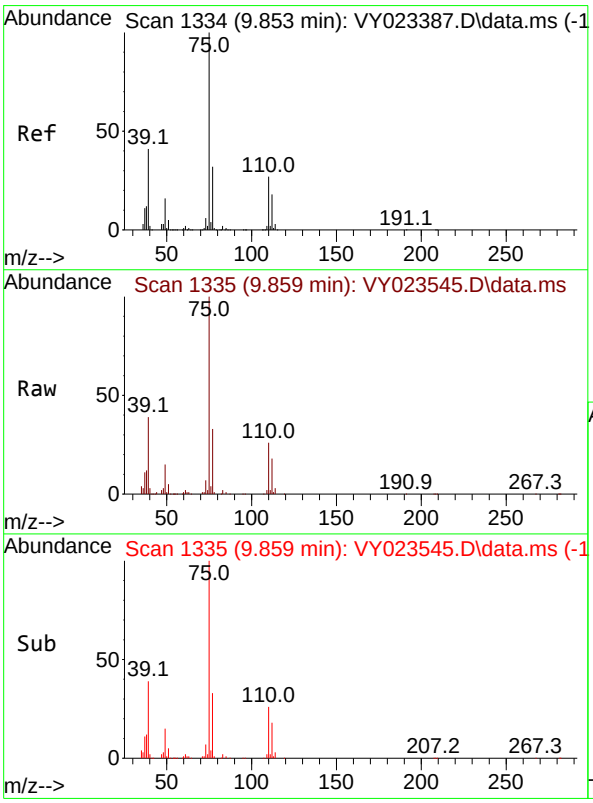
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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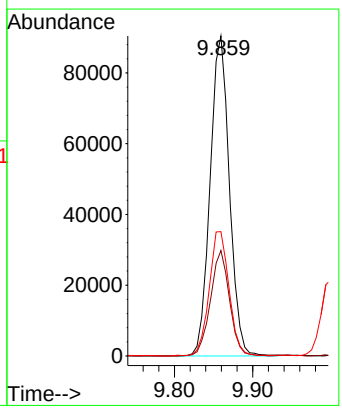
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

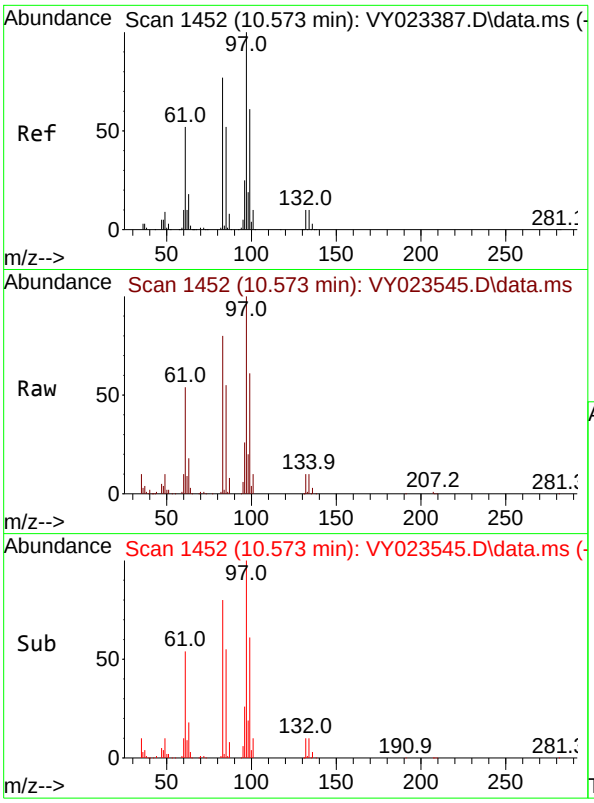


#54
cis-1,3-Dichloropropene
Concen: 20.924 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 154563

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.0
39	38.6	32.8	49.2

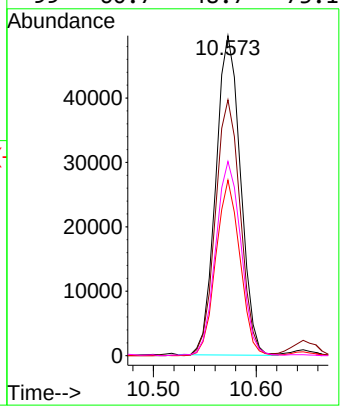




#55
1,1,2-Trichloroethane
Concen: 21.572 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 97 Resp: 8290

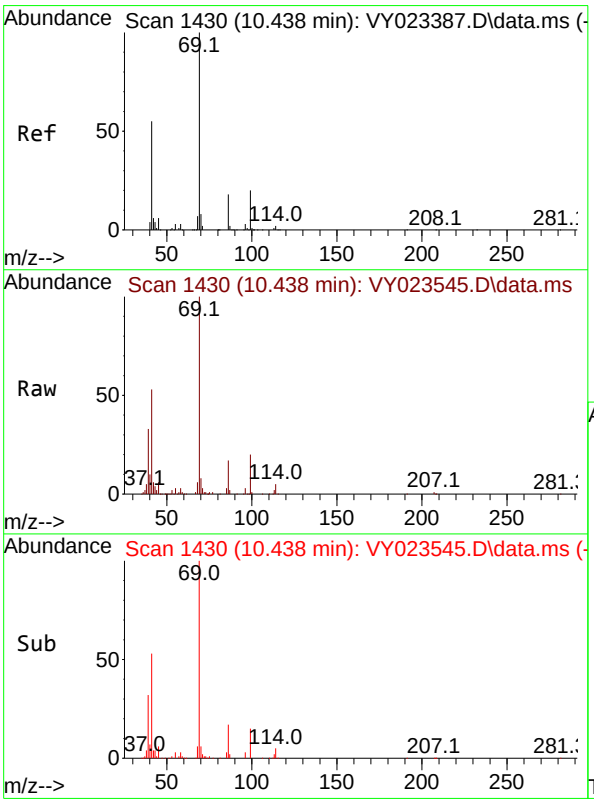
Ion	Ratio	Lower	Upper
97	100		
83	80.1	61.8	92.6
85	55.0	41.3	61.9
99	60.7	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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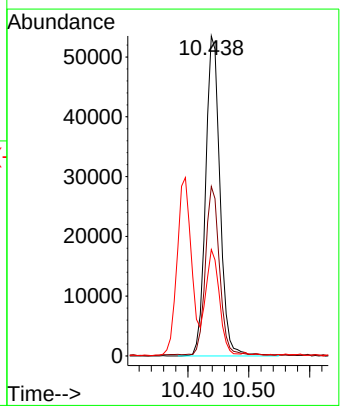
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

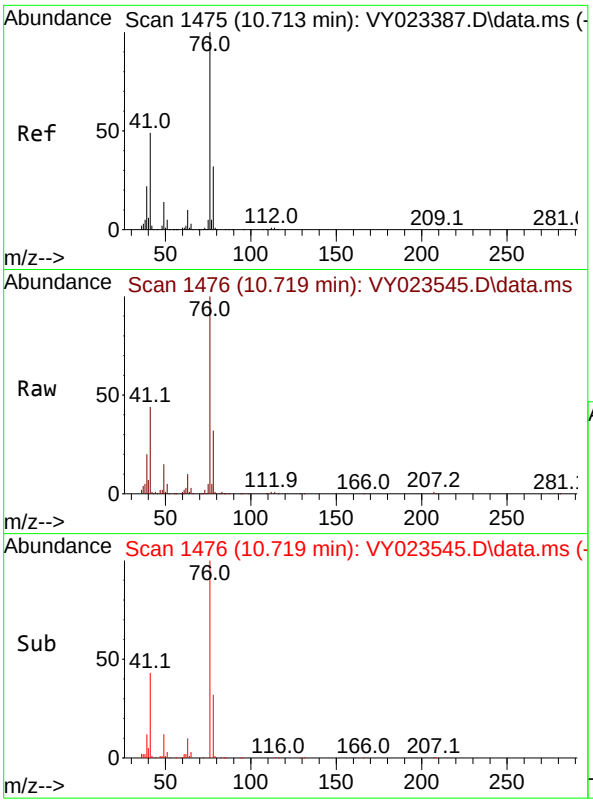


#56
Ethyl methacrylate
Concen: 19.771 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 69 Resp: 87648

Ion	Ratio	Lower	Upper
69	100		
41	50.7	44.6	67.0
39	30.3	27.0	40.4

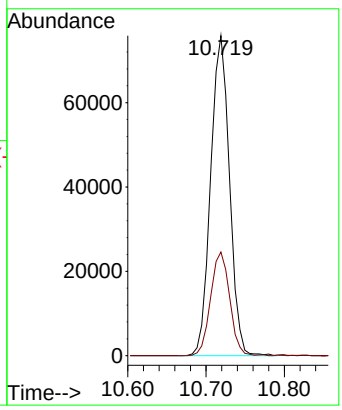




#57
1,3-Dichloropropane
Concen: 20.809 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 76 Resp: 12672

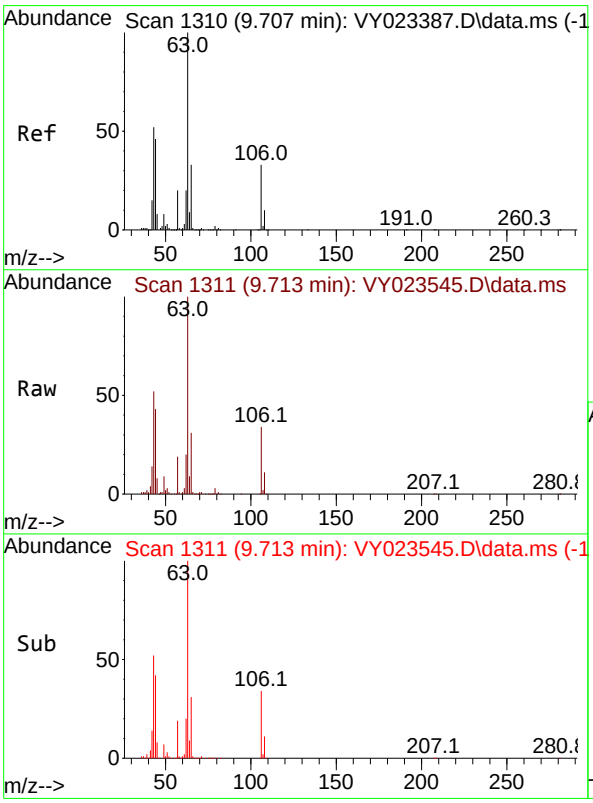
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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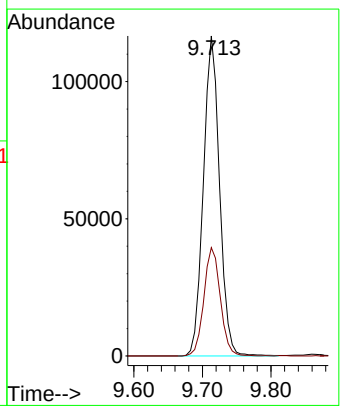
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

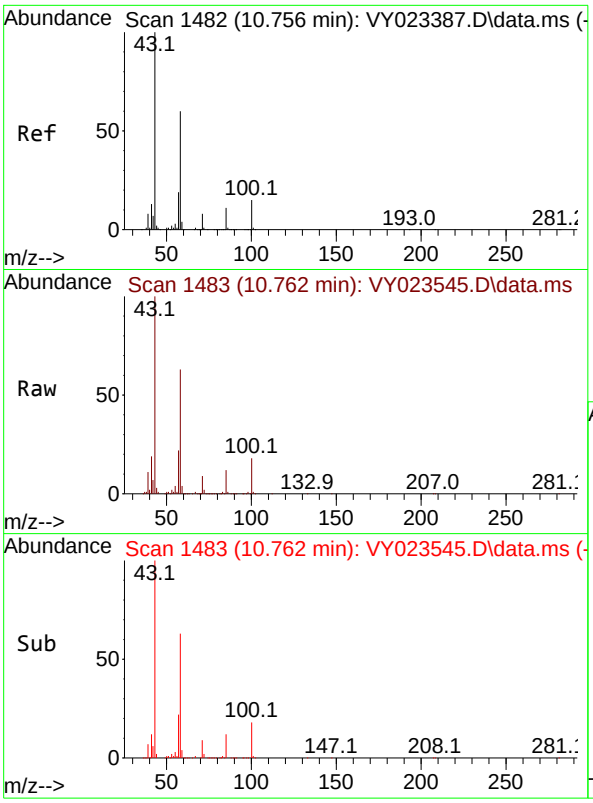


#58
2-Chloroethyl Vinyl ether
Concen: 96.421 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 63 Resp: 191490

Ion	Ratio	Lower	Upper
63	100		
106	34.4	26.6	39.8





#59
2-Hexanone
Concen: 107.056 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

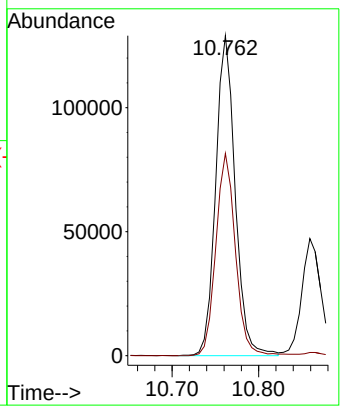
Tgt Ion: 43 Resp: 20176

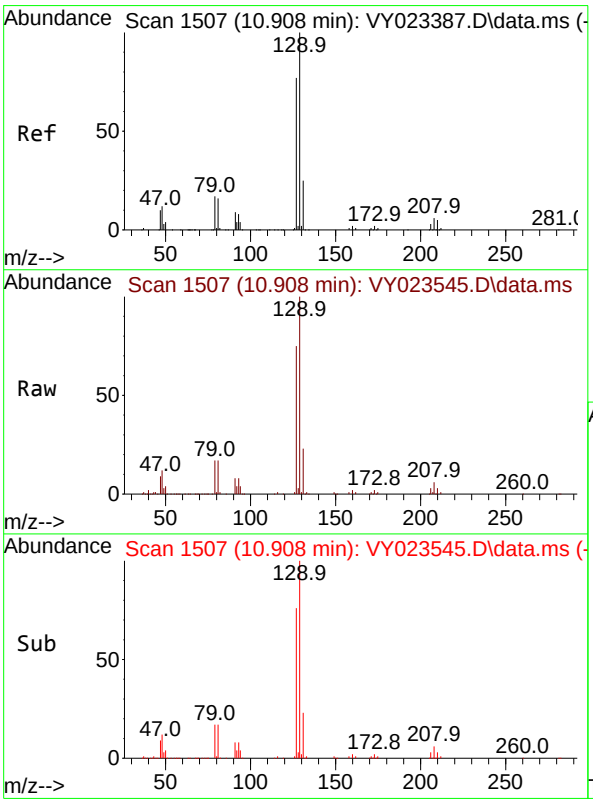
Ion	Ratio	Lower	Upper
43	100		
58	63.4	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

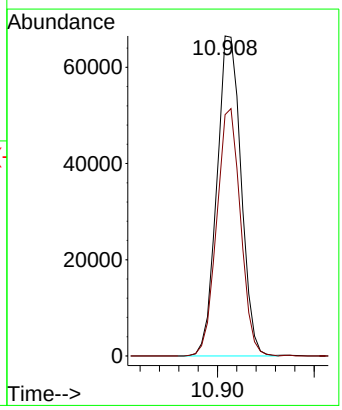


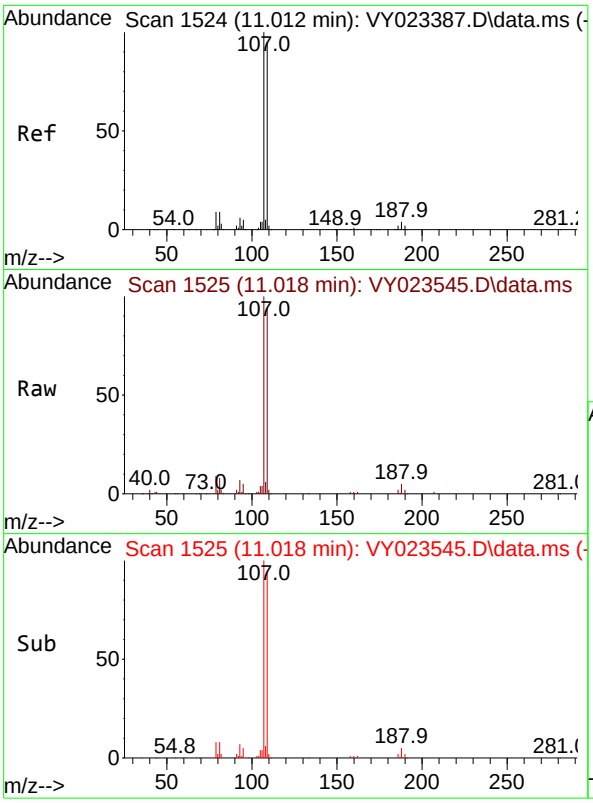


#60
Dibromochloromethane
Concen: 21.397 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:129 Resp: 115294

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.6	115.7

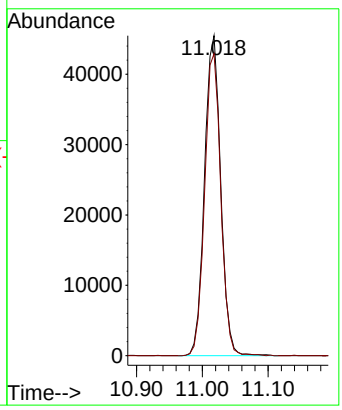




#61
1,2-Dibromoethane
Concen: 21.218 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:107 Resp: 7777

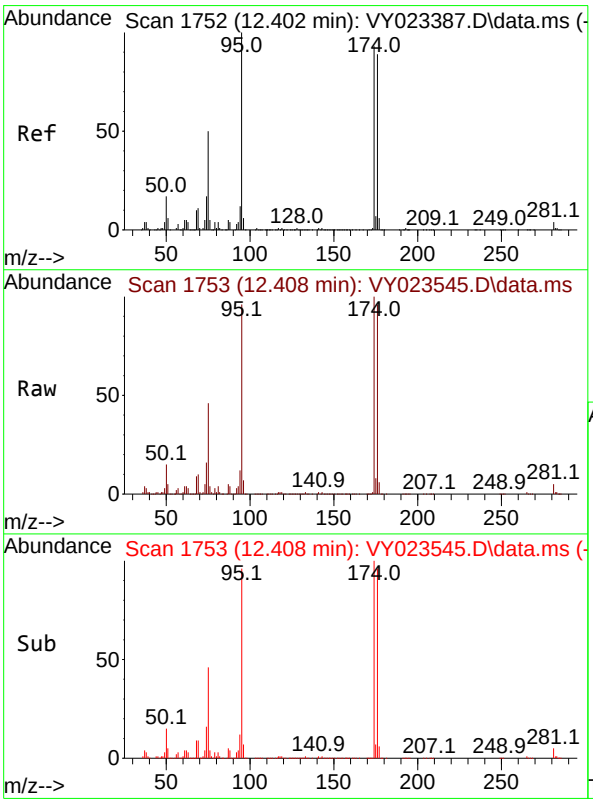
Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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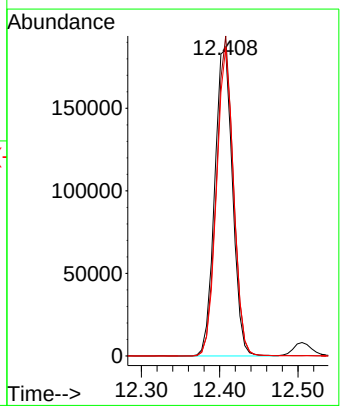
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

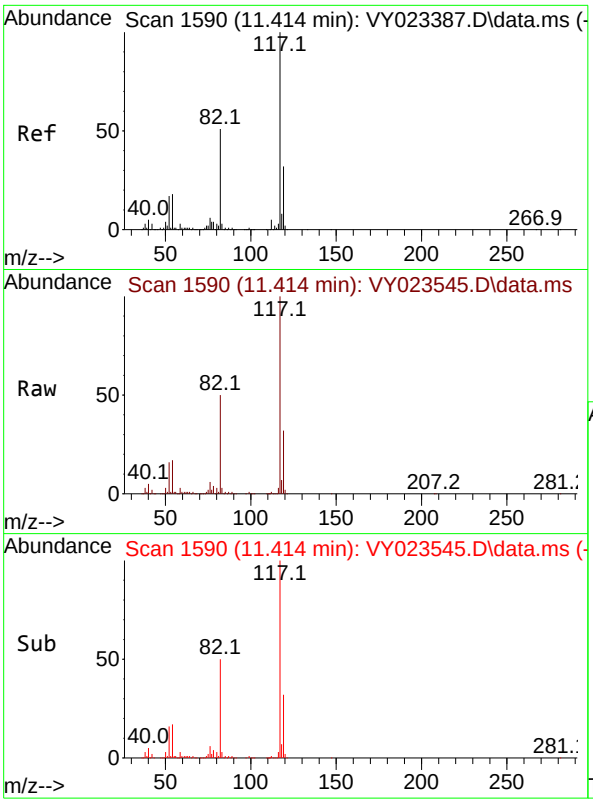


#62
4-Bromofluorobenzene
Concen: 49.281 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 95 Resp: 295724

Ion	Ratio	Lower	Upper
95	100		
174	98.8	0.0	192.8
176	95.7	0.0	187.6

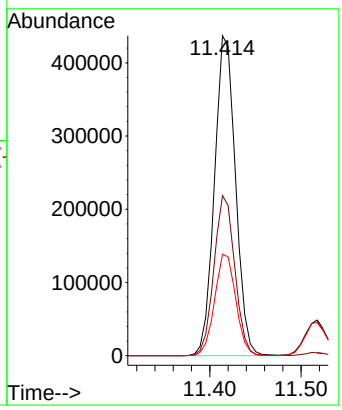




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

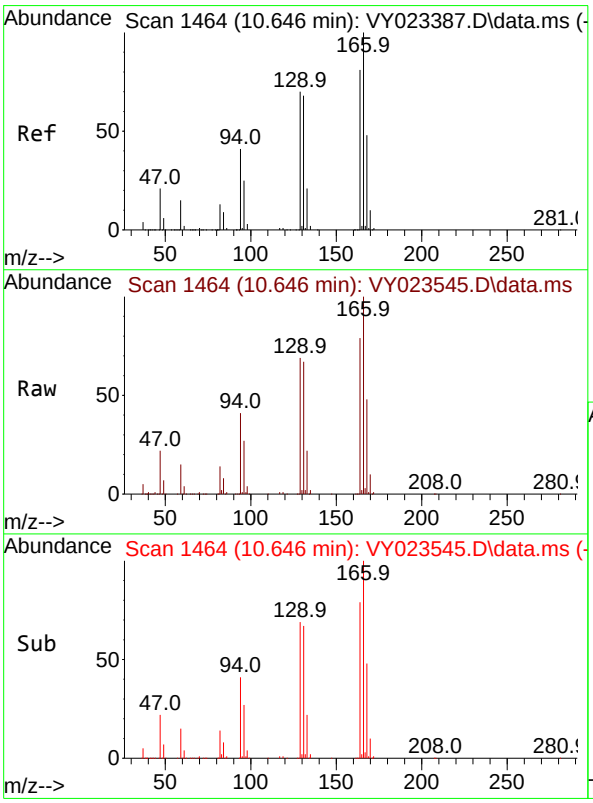
Tgt Ion:117 Resp: 70013

Ion	Ratio	Lower	Upper
117	100		
82	50.1	41.0	61.4
119	31.7	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

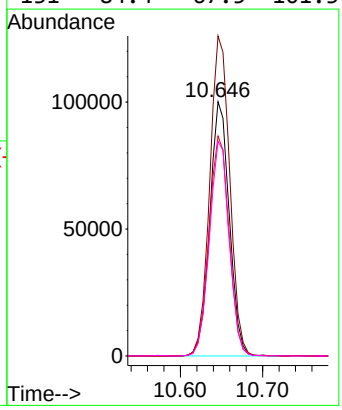
Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

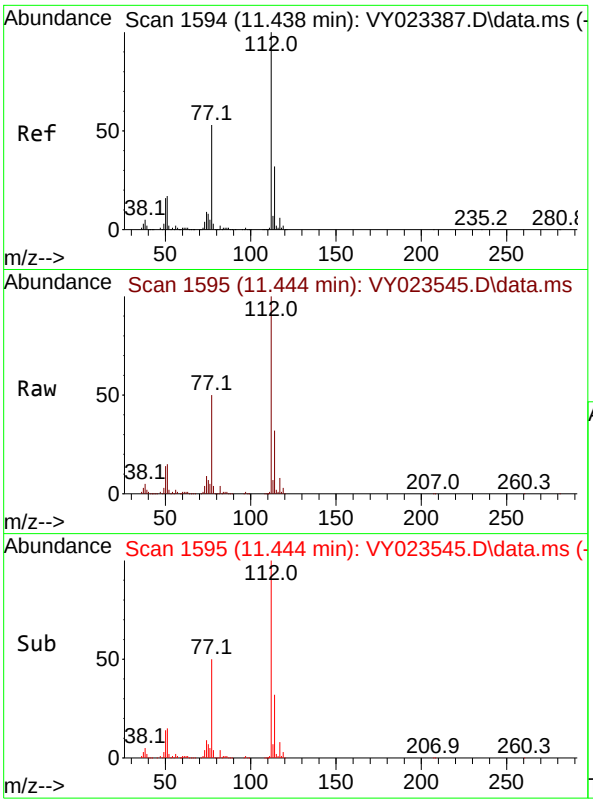


#64
Tetrachloroethene
Concen: 22.850 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:164 Resp: 165184

Ion	Ratio	Lower	Upper
164	100		
166	125.9	99.4	149.0
129	86.5	69.4	104.2
131	84.4	67.5	101.3

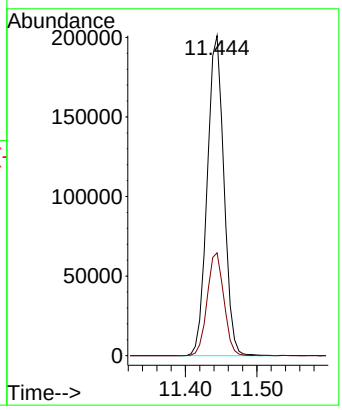




#65
Chlorobenzene
Concen: 21.371 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

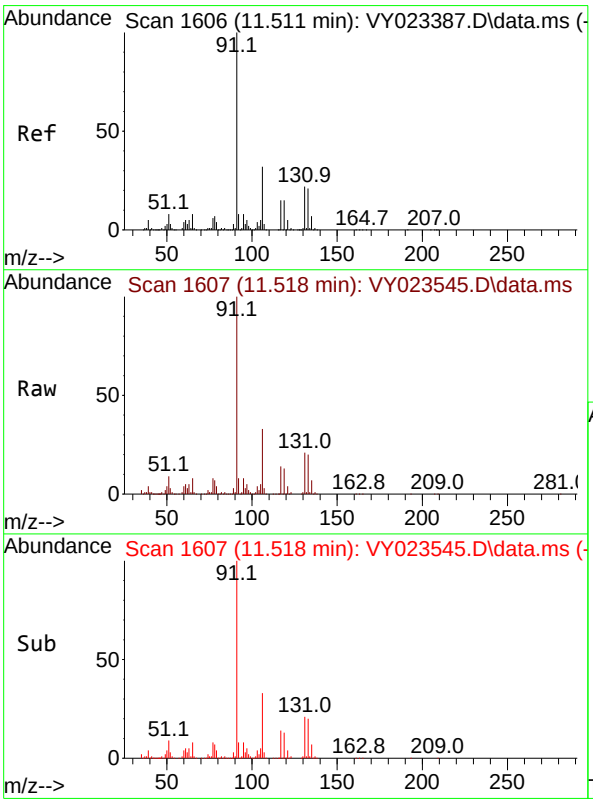
Tgt Ion:112 Resp: 32543

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

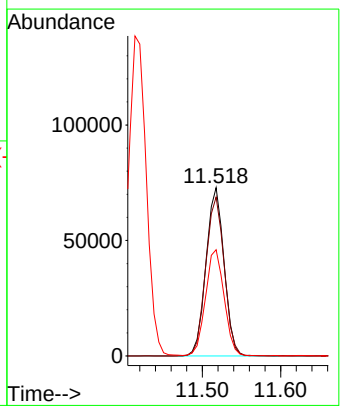
Manual Integrations
APPROVED
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

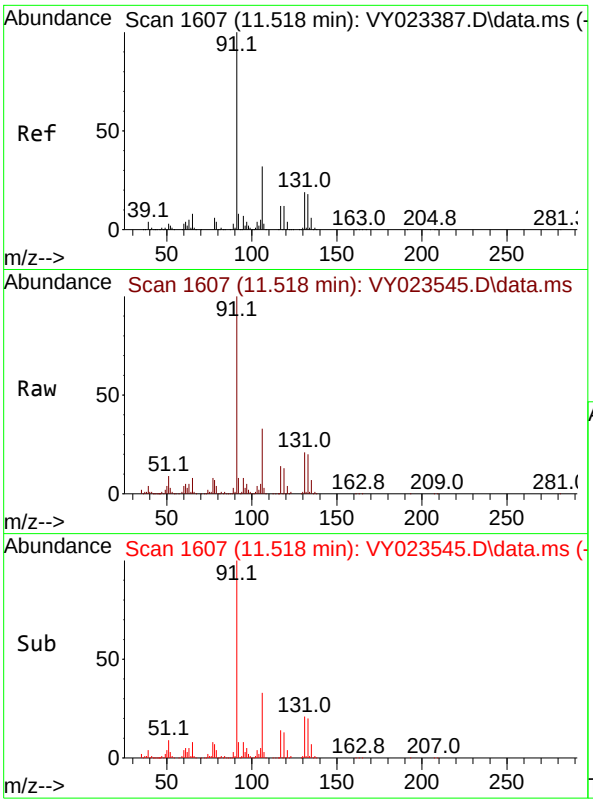


#66
1,1,1,2-Tetrachloroethane
Concen: 21.452 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:131 Resp: 116407

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.4	145.2
119	65.4	32.4	97.2

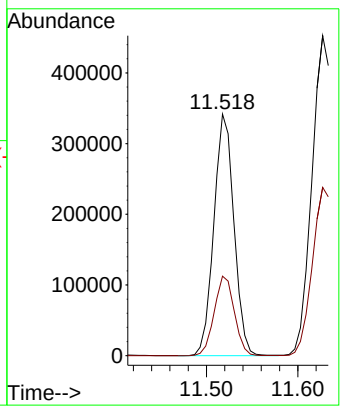




#67
Ethyl Benzene
Concen: 21.179 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 91 Resp: 52203

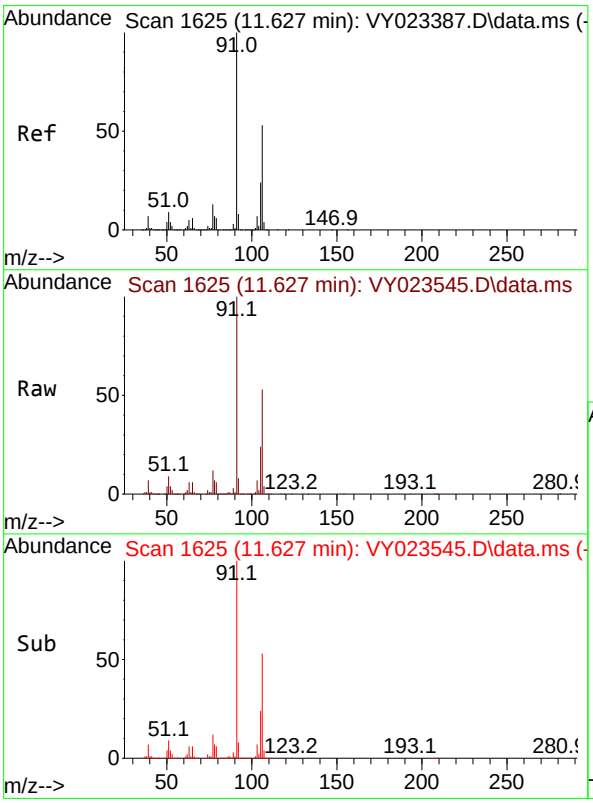
Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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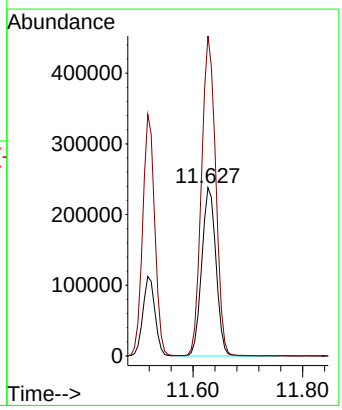
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

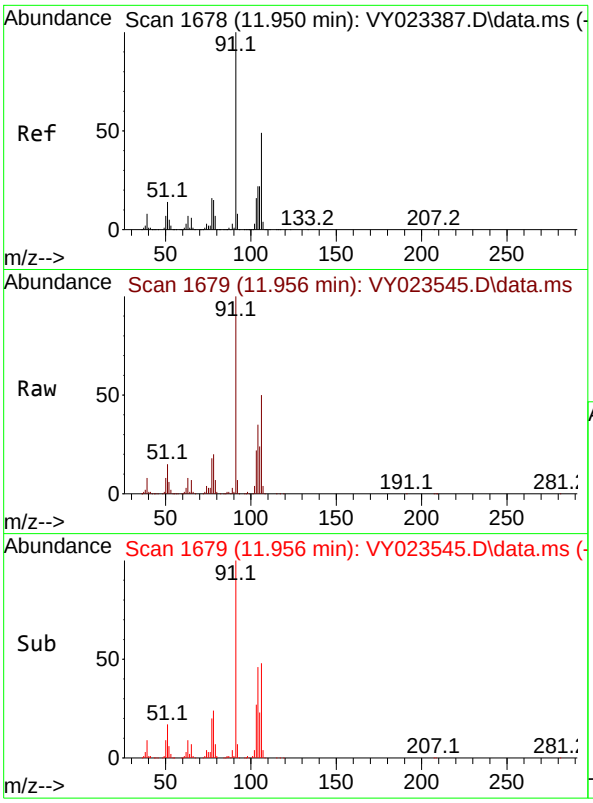


#68
m/p-Xylenes
Concen: 43.322 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:106 Resp: 428308

Ion	Ratio	Lower	Upper
106	100		
91	189.4	152.6	229.0

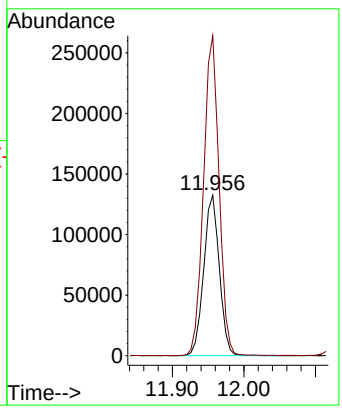




#69
o-Xylene
Concen: 21.646 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:106 Resp: 20073

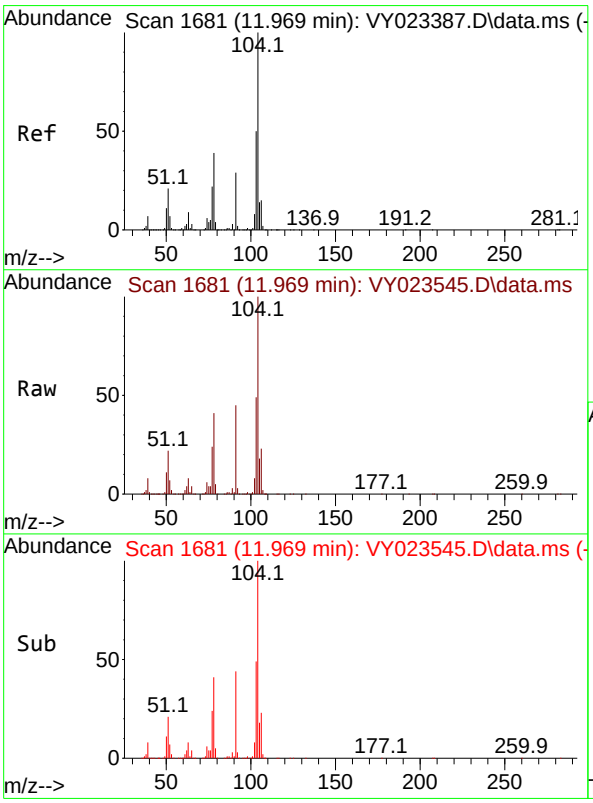
Ion	Ratio	Lower	Upper
106	100		
91	198.5	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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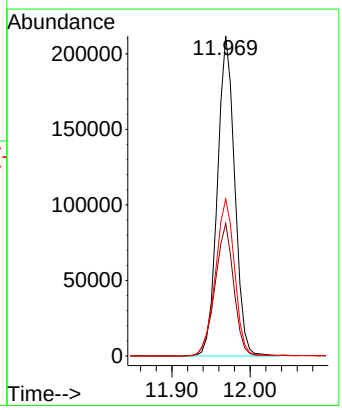
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

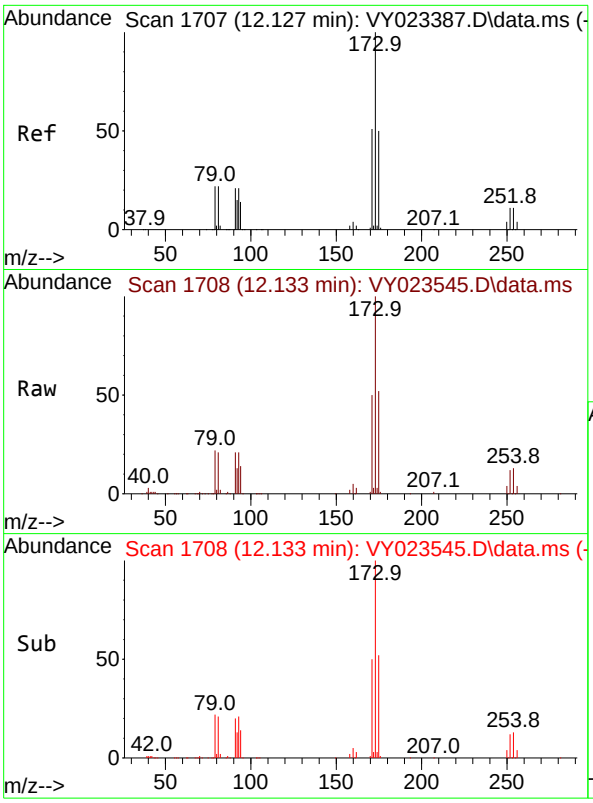


#70
Styrene
Concen: 21.324 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:104 Resp: 325186

Ion	Ratio	Lower	Upper
104	100		
78	44.8	36.1	54.1
103	54.1	43.2	64.8

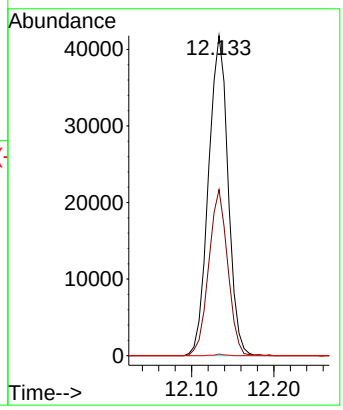




#71
Bromoform
Concen: 20.514 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

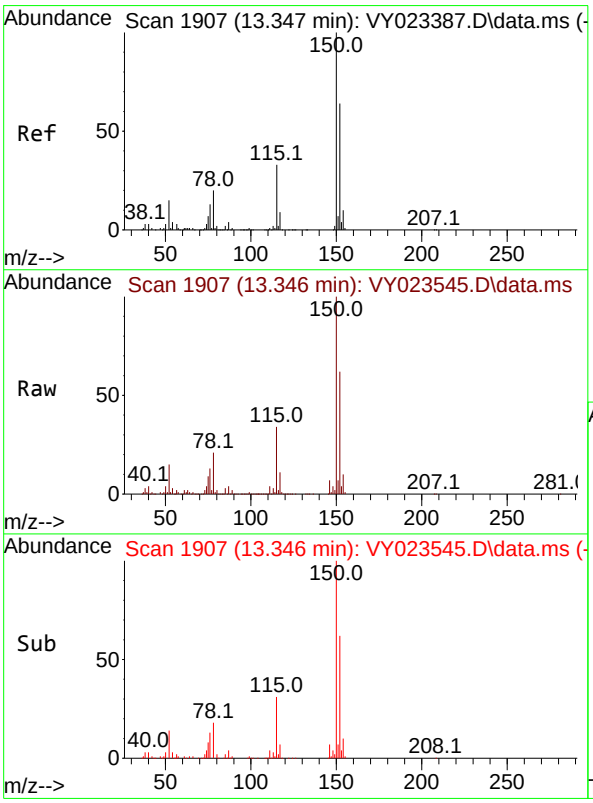
Tgt Ion:173 Resp: 6904

Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.8	74.3
254	0.3	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

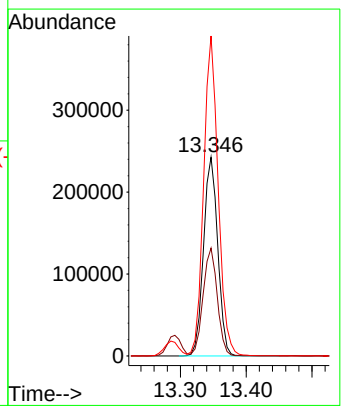
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

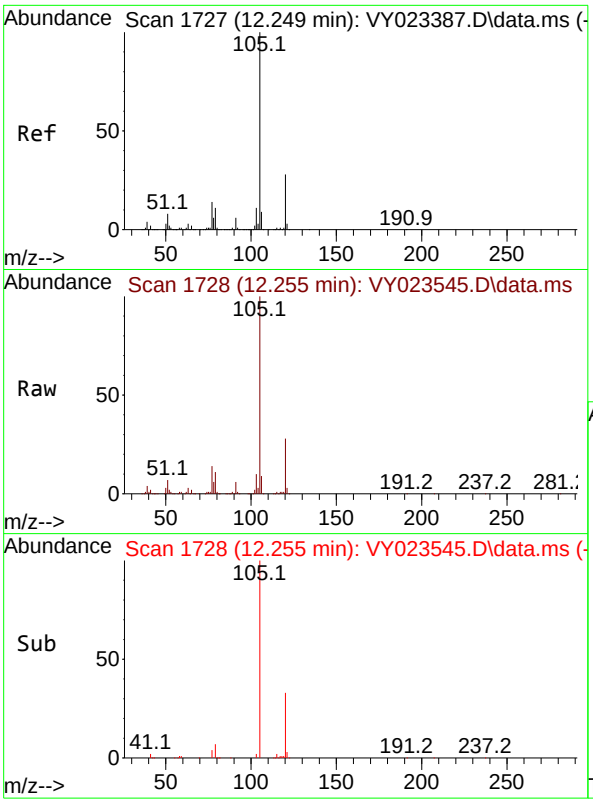


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:152 Resp: 365280

Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.1	81.2
150	163.7	0.0	347.4

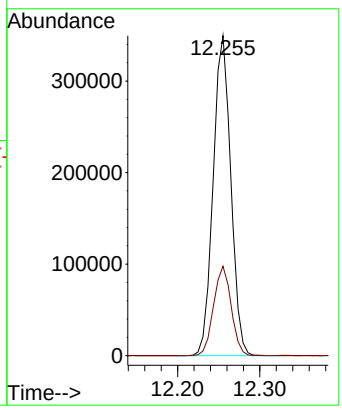




#73
Isopropylbenzene
Concen: 21.671 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:105 Resp: 52166

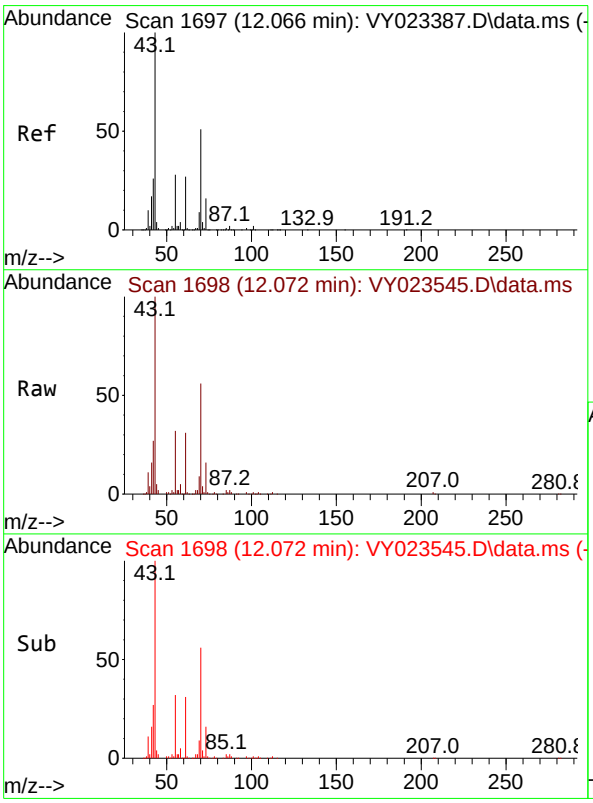
Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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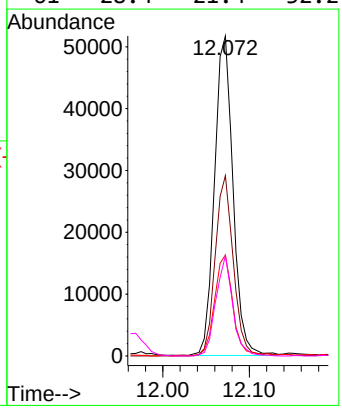
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

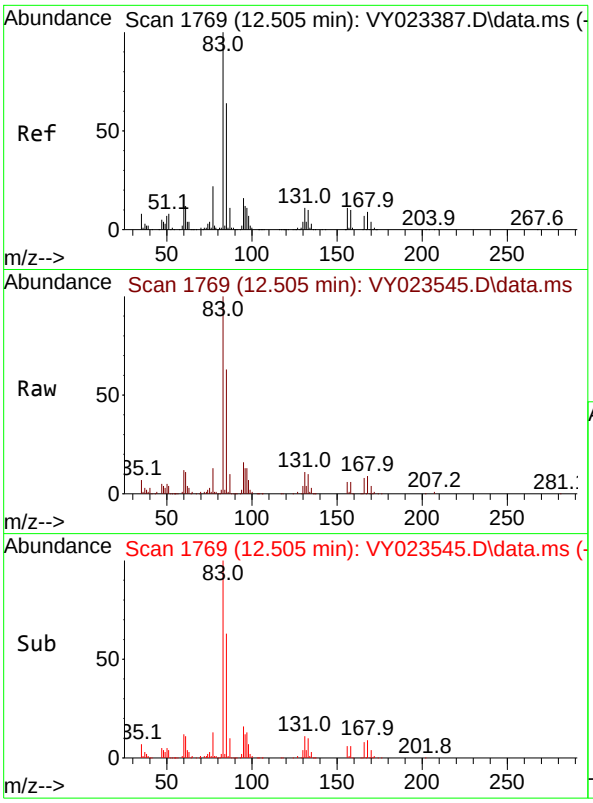


#74
N-amyl acetate
Concen: 17.731 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 43 Resp: 76665

Ion	Ratio	Lower	Upper
43	100		
70	55.8	41.1	61.7
55	30.9	23.0	34.6
61	28.4	21.4	32.2

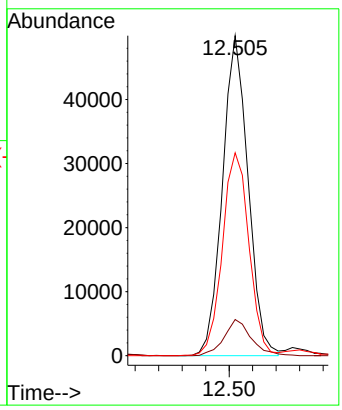




#75
1,1,2,2-Tetrachloroethane
Concen: 19.185 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 83 Resp: 7553

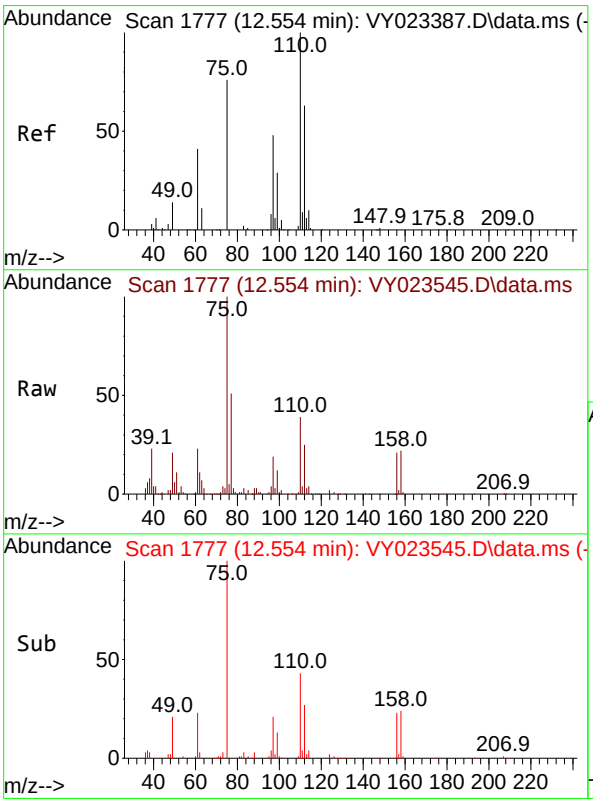
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.9	17.6
85	65.8	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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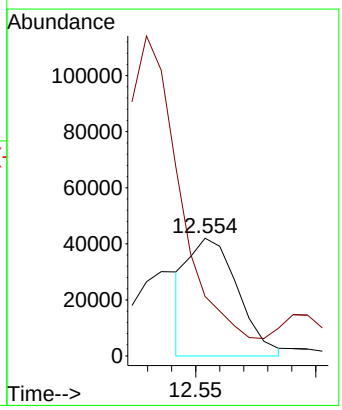
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

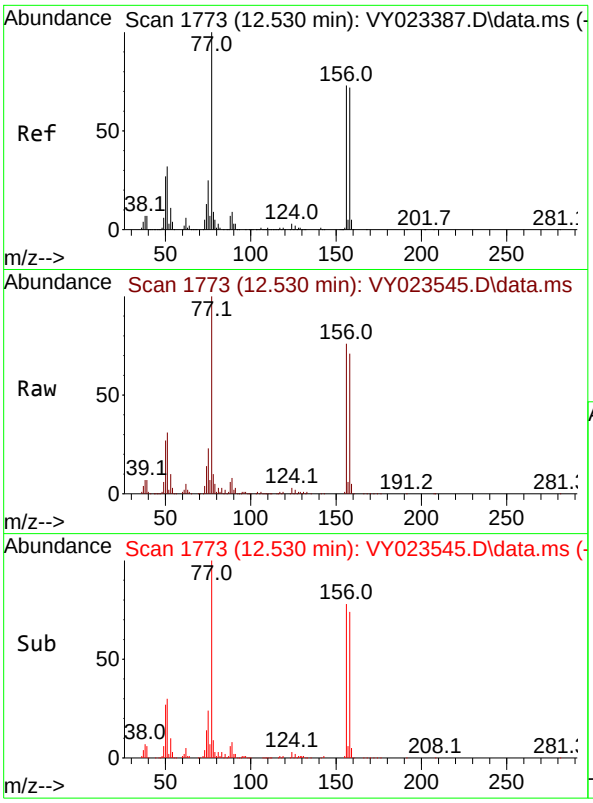


#76
1,2,3-Trichloropropane
Concen: 18.739 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 60391

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

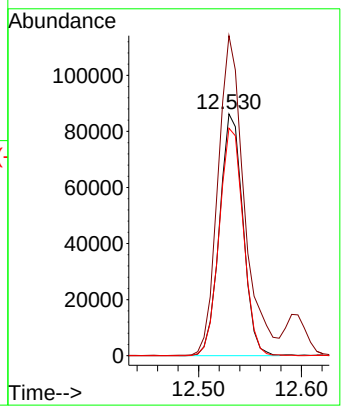




#77
Bromobenzene
Concen: 21.307 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:156 Resp: 13636

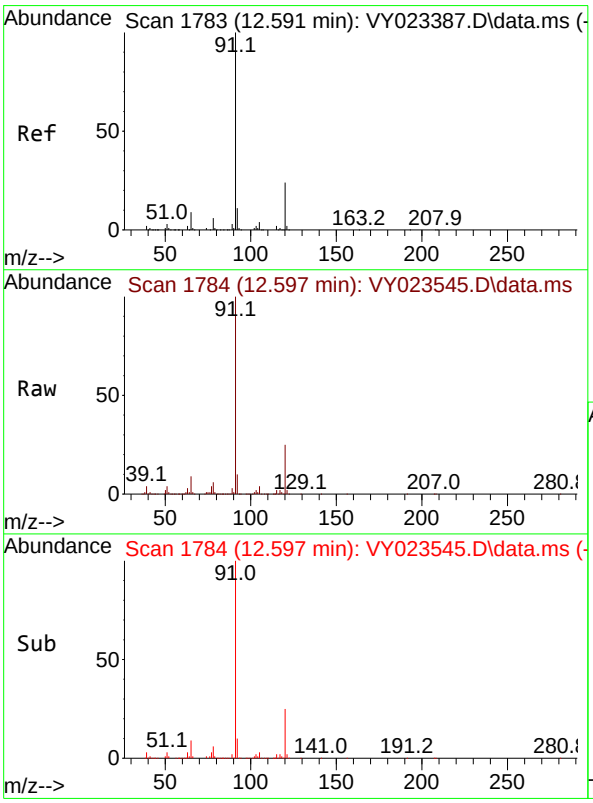
Ion	Ratio	Lower	Upper
156	100		
77	149.0	76.8	230.5
158	96.9	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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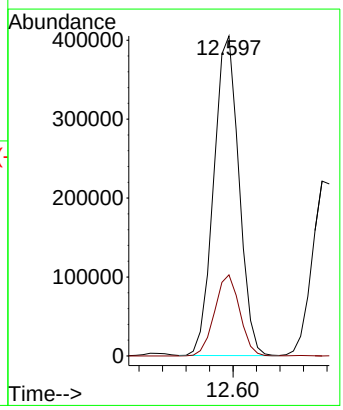
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

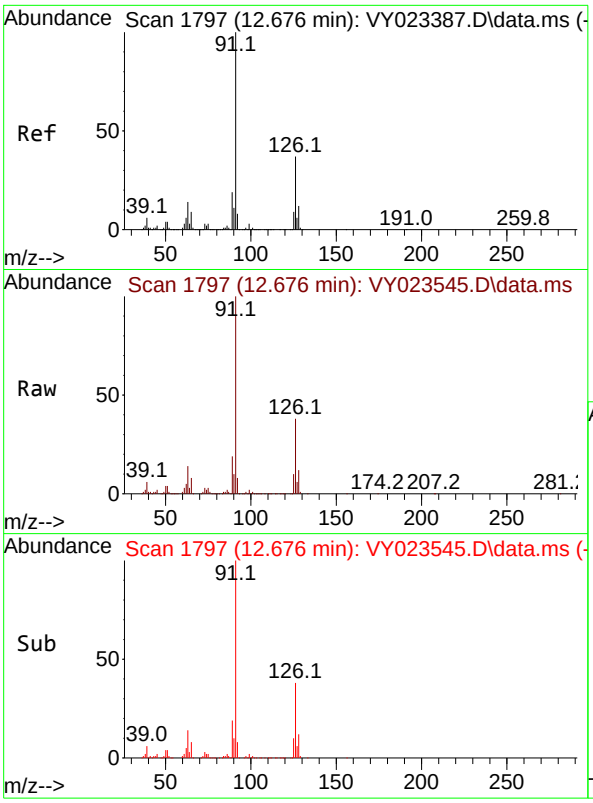


#78
n-propylbenzene
Concen: 21.651 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 91 Resp: 603121

Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.3	36.8





#79
2-Chlorotoluene
Concen: 21.335 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

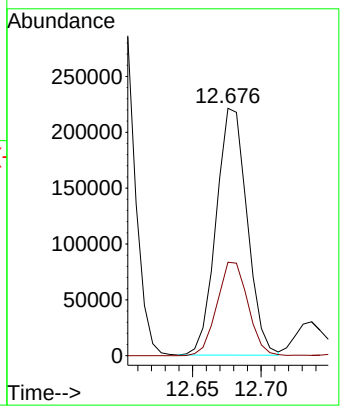
Tgt Ion: 91 Resp: 34803

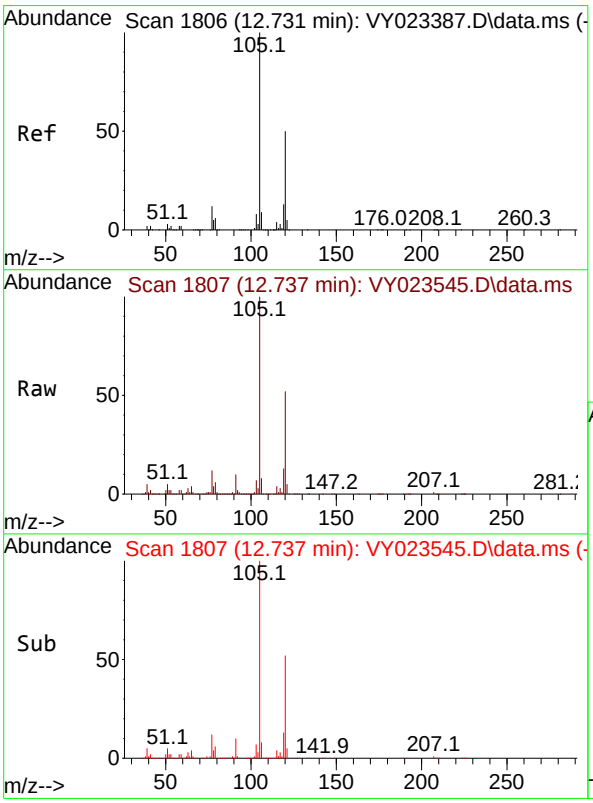
Ion	Ratio	Lower	Upper
91	100		
126	37.8	18.5	55.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

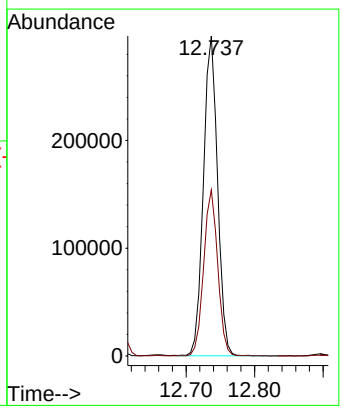


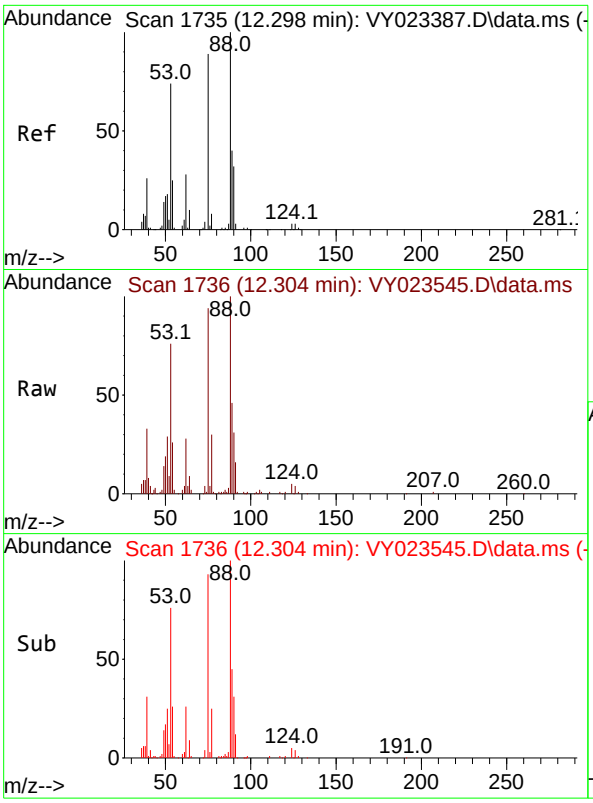


#80
1,3,5-Trimethylbenzene
Concen: 21.935 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:105 Resp: 426677

Ion	Ratio	Lower	Upper
105	100		
120	51.8	25.4	76.4

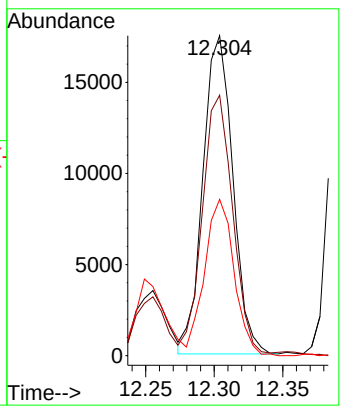




#81
trans-1,4-Dichloro-2-butene
Concen: 20.178 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

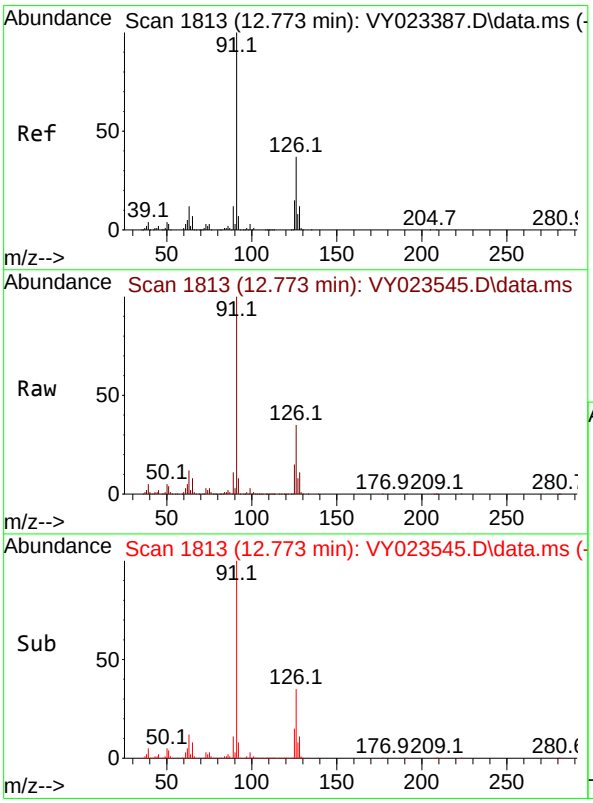
Tgt Ion: 75 Resp: 2651

Ion	Ratio	Lower	Upper
75	100		
53	81.9	68.6	102.8
89	48.4	39.0	58.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

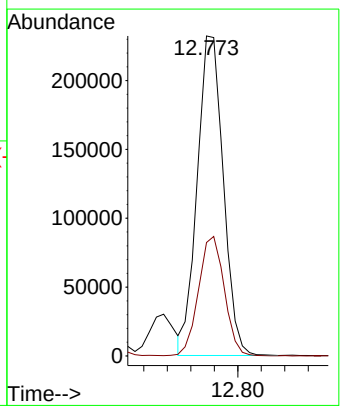
Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

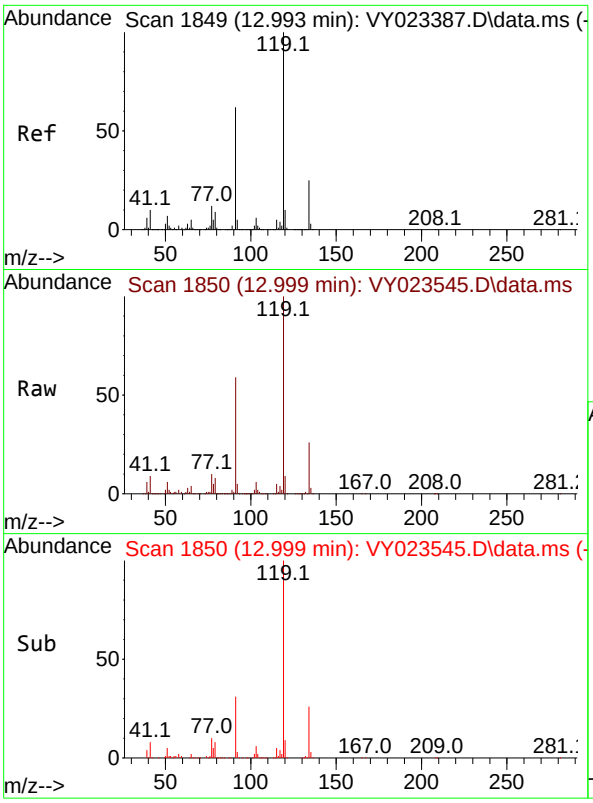


#82
4-Chlorotoluene
Concen: 21.322 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 91 Resp: 358213

Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.4	55.4

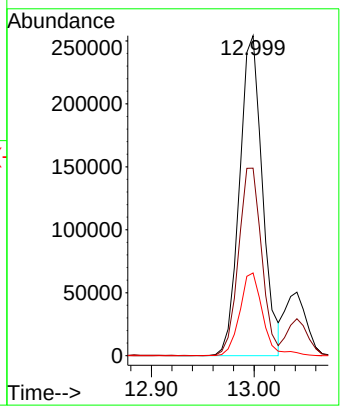




#83
tert-Butylbenzene
Concen: 21.889 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:119 Resp: 39312

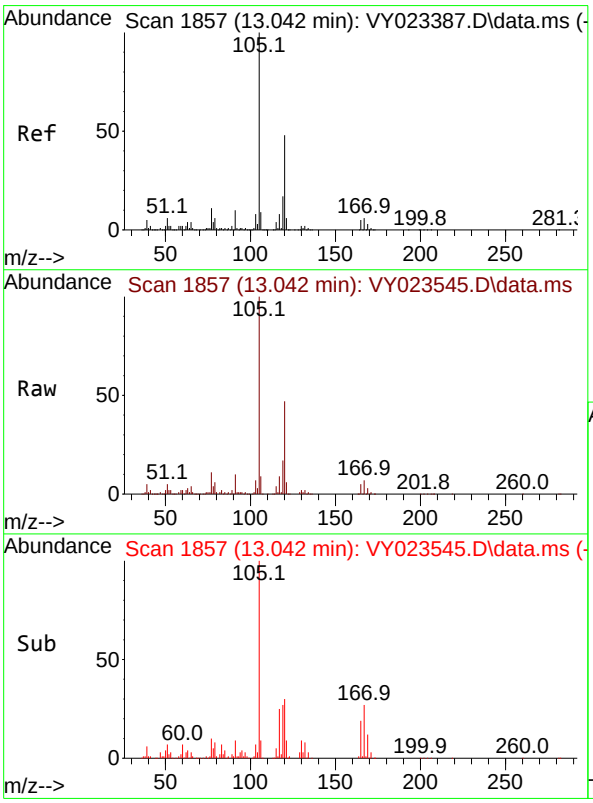
Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.9	89.8
134	26.1	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

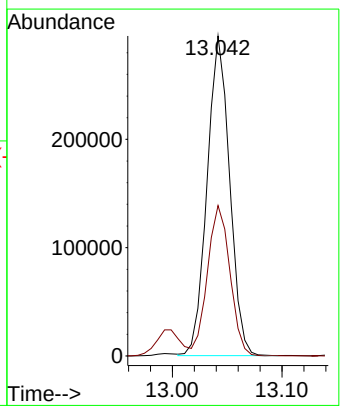
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

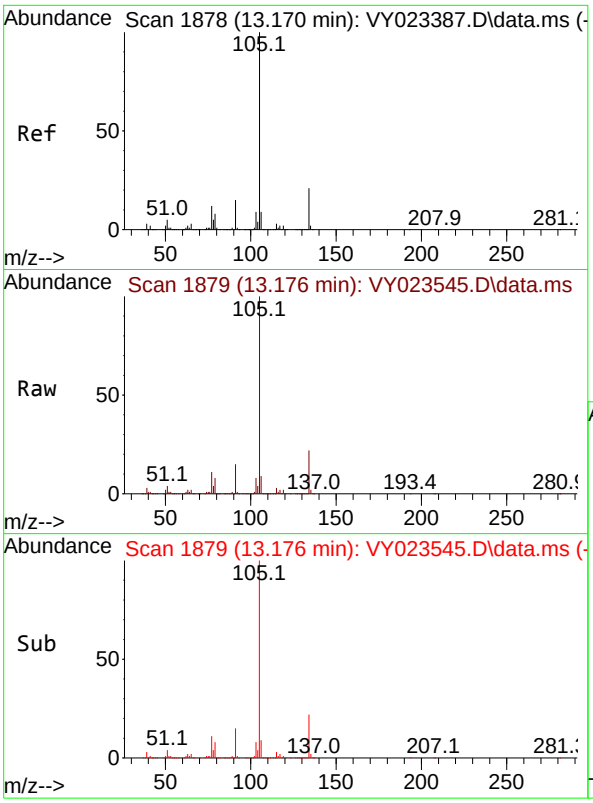


#84
1,2,4-Trimethylbenzene
Concen: 21.648 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:105 Resp: 420267

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.8	71.2





#85
sec-Butylbenzene
Concen: 21.804 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

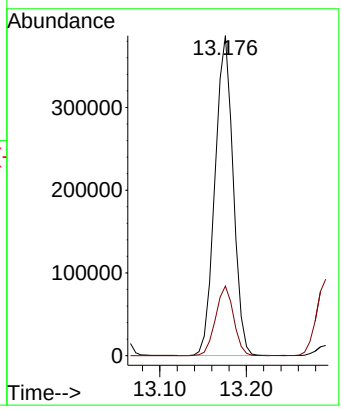
Tgt Ion:105 Resp: 56176

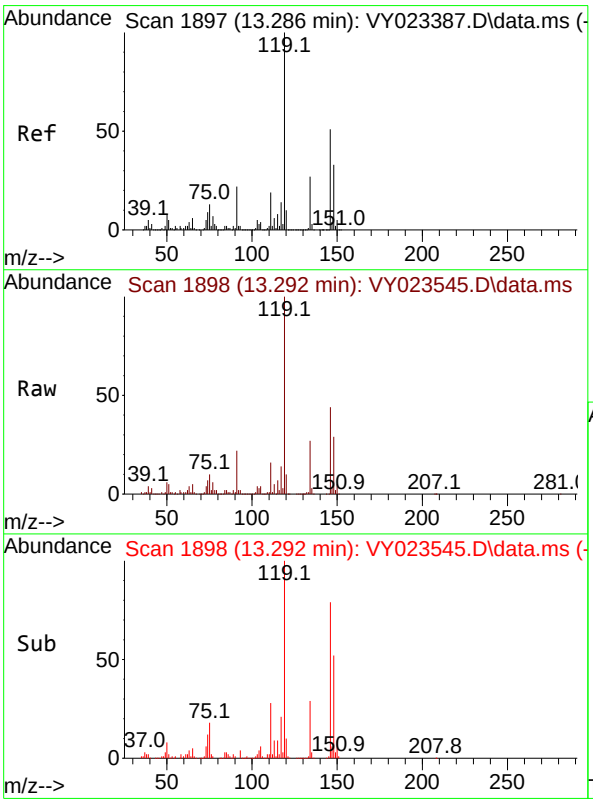
Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.7	32.1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

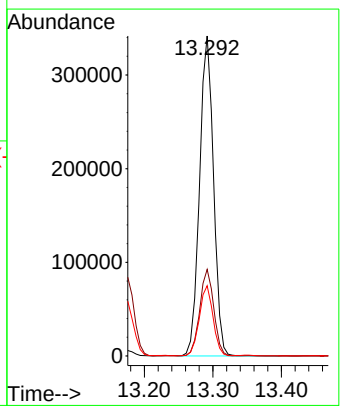


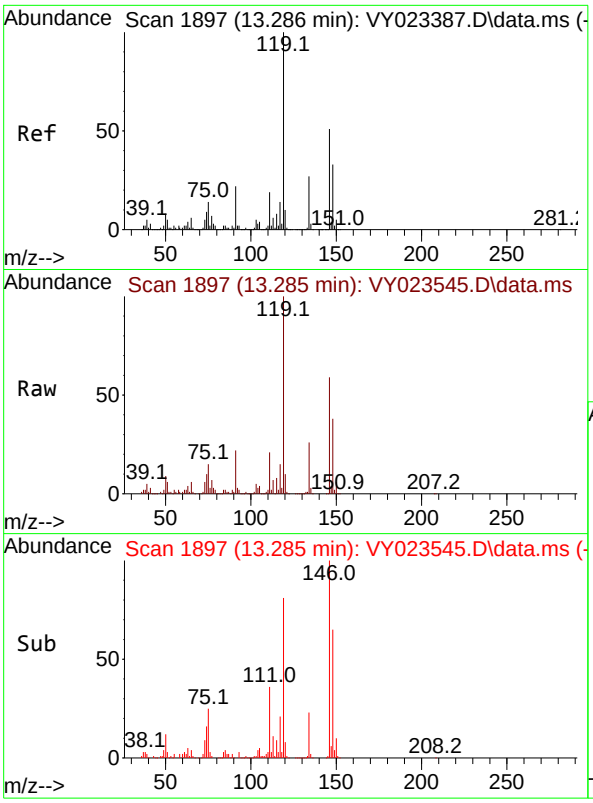


#86
p-Isopropyltoluene
Concen: 22.116 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:119 Resp: 485141

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	21.5	10.9	32.9

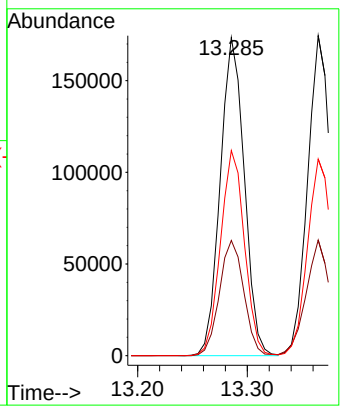




#87
1,3-Dichlorobenzene
Concen: 21.270 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:146 Resp: 26506

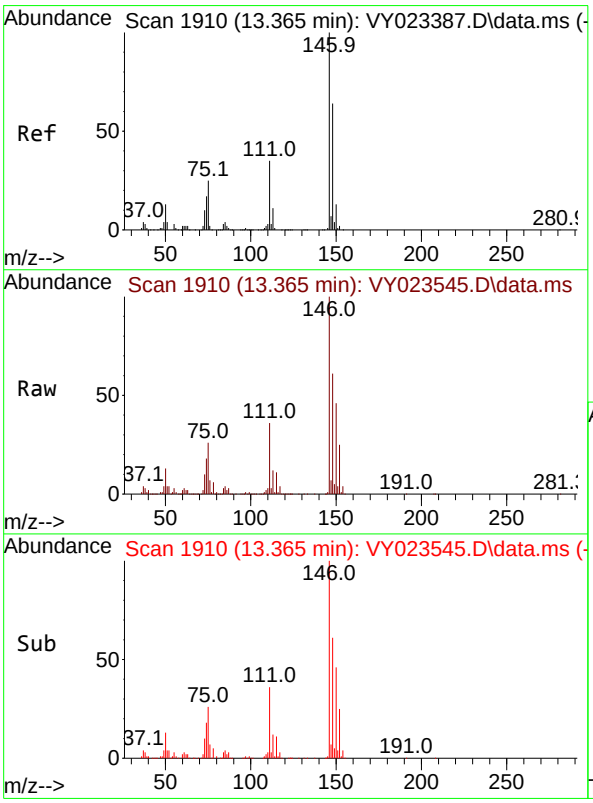
Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.7	56.1
148	64.2	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

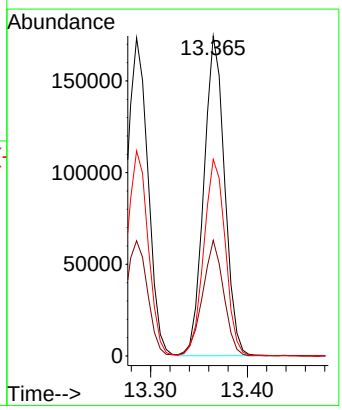
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

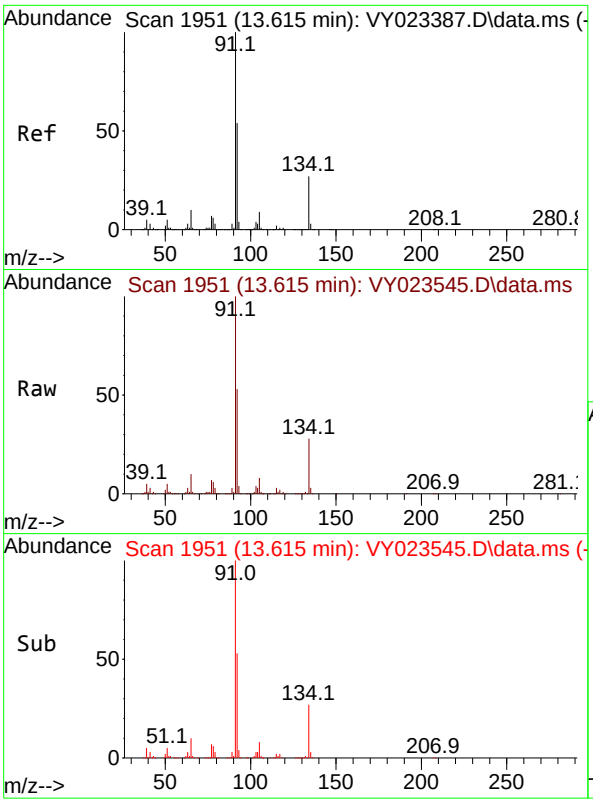


#88
1,4-Dichlorobenzene
Concen: 21.147 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:146 Resp: 260280

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.0	54.0
148	63.7	31.9	95.7

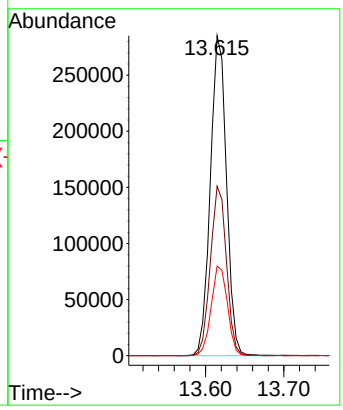




#89
n-Butylbenzene
Concen: 21.317 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 91 Resp: 40743

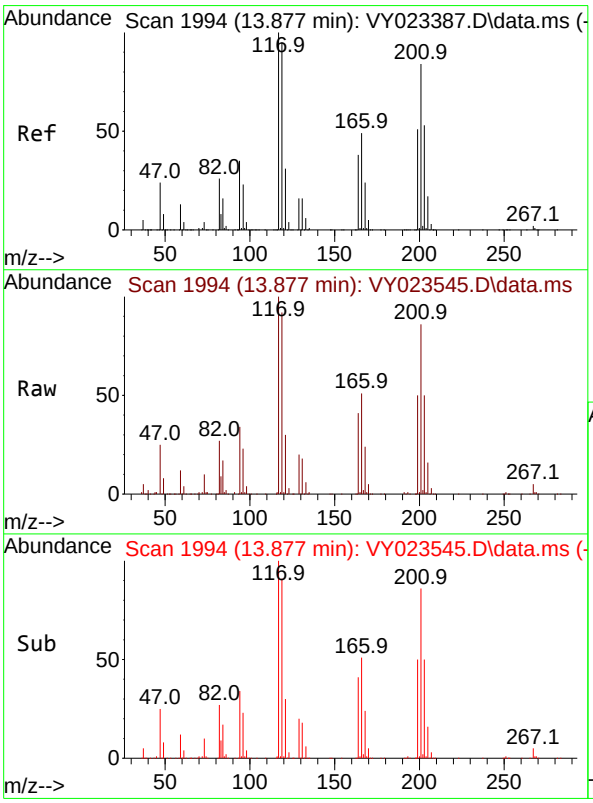
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	80.8
134	28.3	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

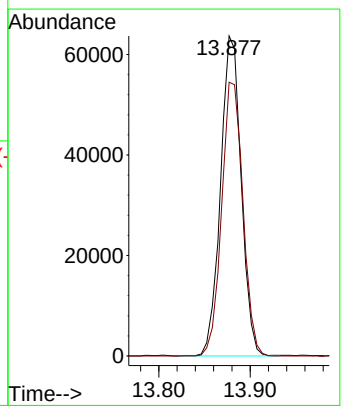
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

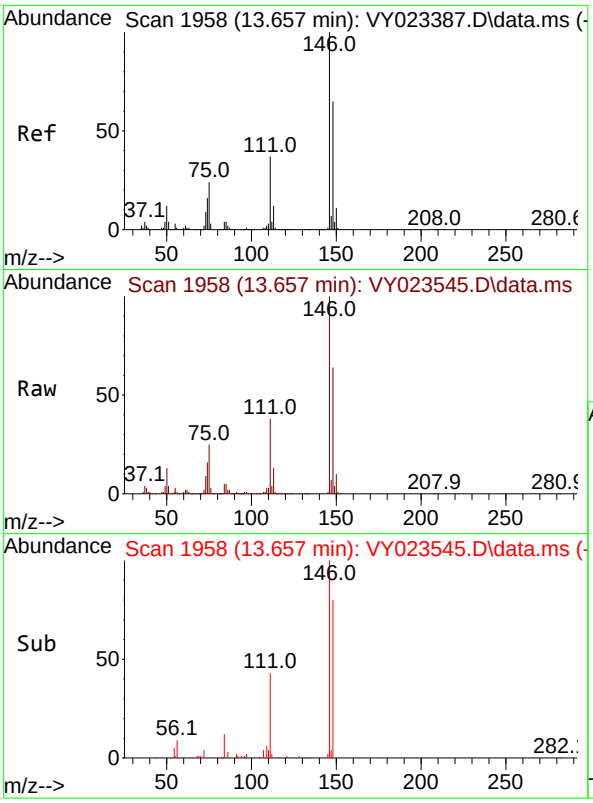


#90
Hexachloroethane
Concen: 21.199 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:117 Resp: 100017

Ion	Ratio	Lower	Upper
117	100		
201	88.2	43.8	131.4

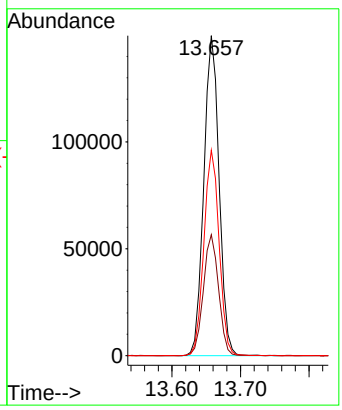




#91
1,2-Dichlorobenzene
Concen: 21.264 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

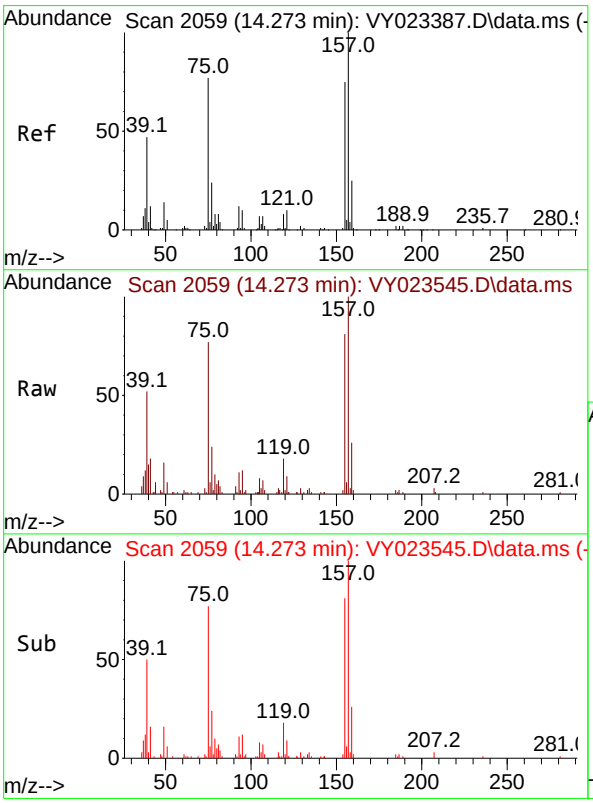
Tgt Ion:146 Resp: 23232

Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.0	57.0
148	64.1	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

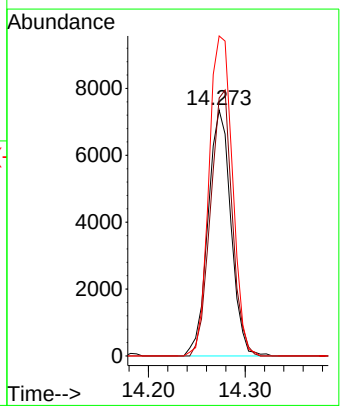
Manual Integrations
APPROVED
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

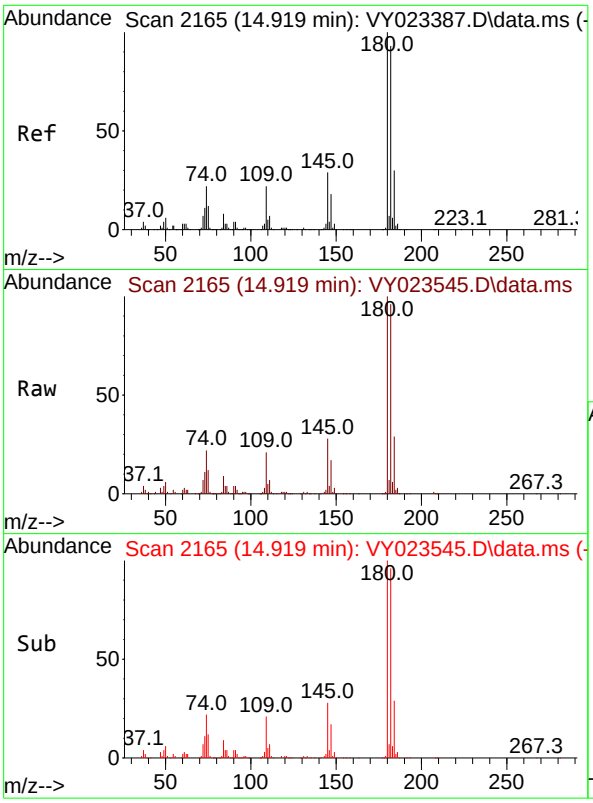


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.756 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion: 75 Resp: 12117

Ion	Ratio	Lower	Upper
75	100		
155	102.3	50.0	150.0
157	132.5	63.8	191.5

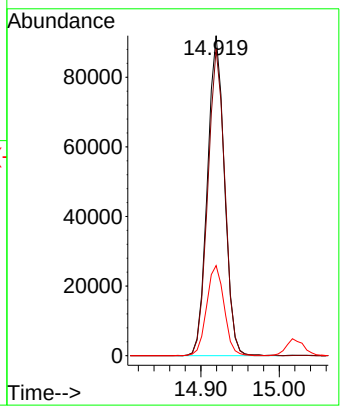




#93
1,2,4-Trichlorobenzene
Concen: 20.394 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:180 Resp: 13891

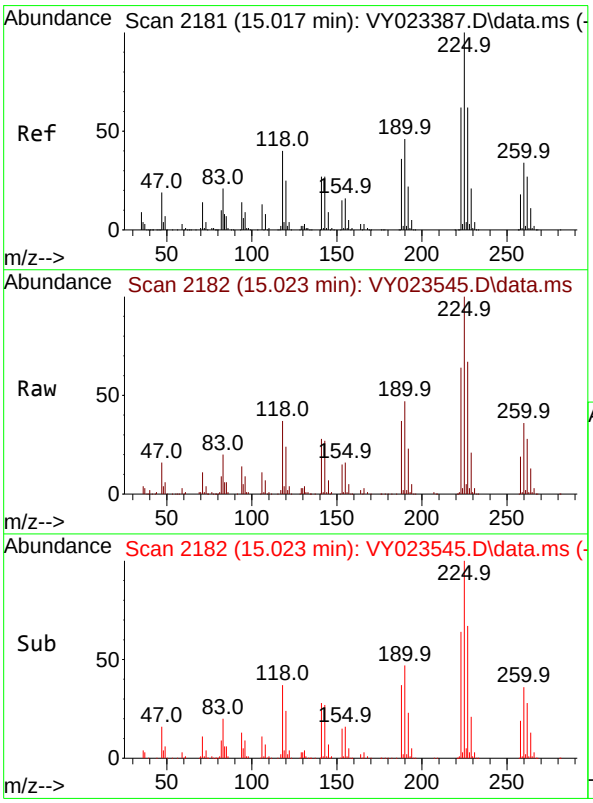
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	28.9	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

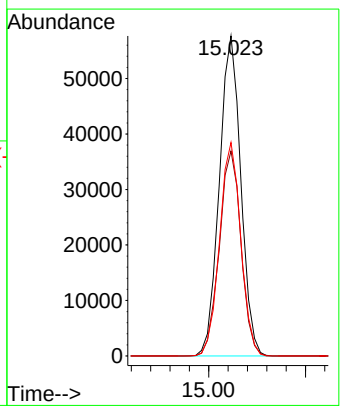
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

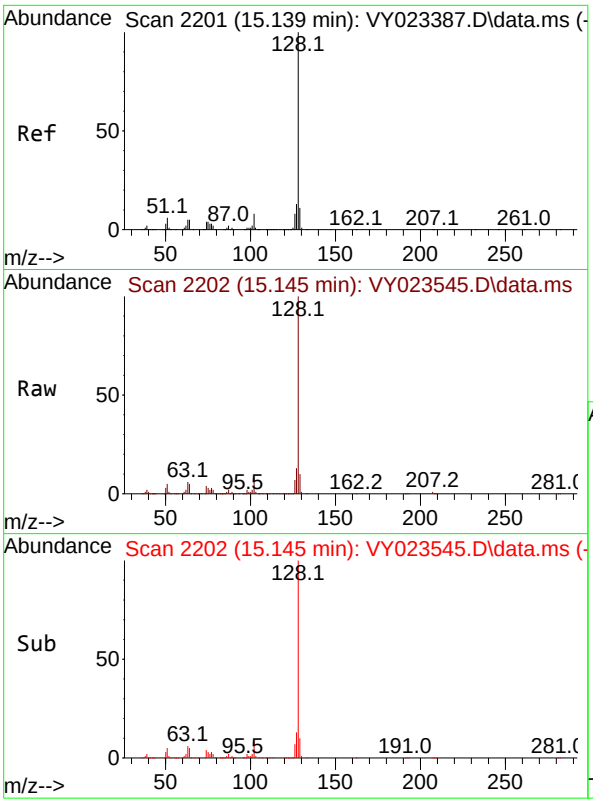


#94
Hexachlorobutadiene
Concen: 20.897 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:225 Resp: 88730

Ion	Ratio	Lower	Upper
225	100		
223	64.5	30.8	92.3
227	66.0	31.9	95.7

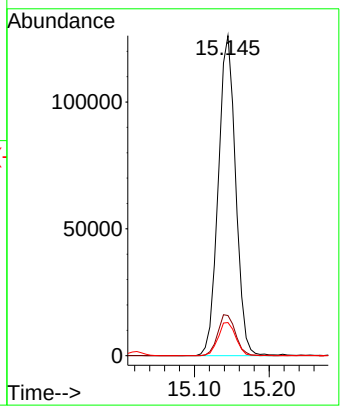




#95
Naphthalene
Concen: 18.822 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:128 Resp: 20415

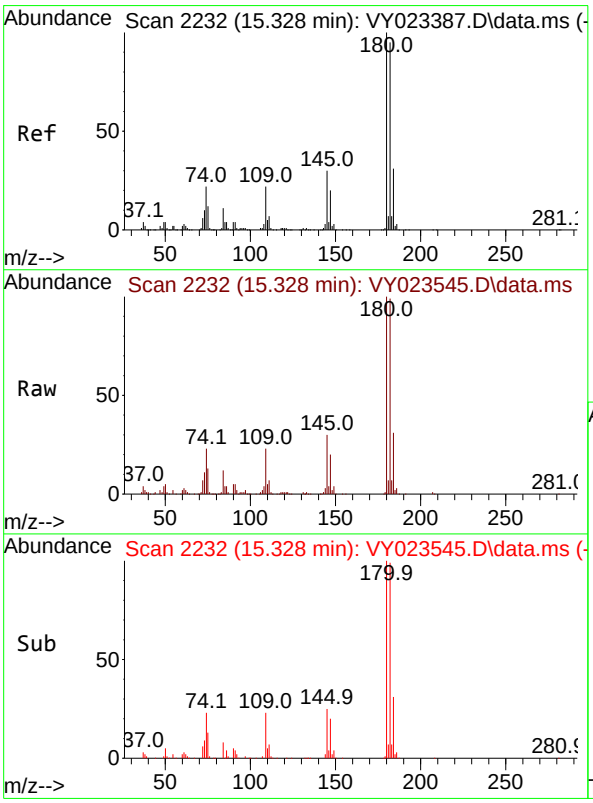
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.6	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations
APPROVED

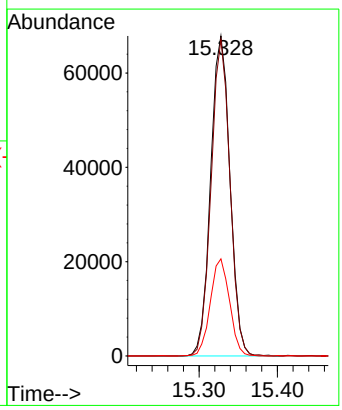
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.751 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023545.D
Acq: 22 Oct 2025 10:28

Tgt Ion:180 Resp: 116532

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	30.1	15.3	45.9



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:	VX1103WBSD01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBSD01	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	16.7		1	0.22	1.00	ug/L	11/03/25 12:44	VX110325
74-87-3	Chloromethane	19.6		1	0.32	1.00	ug/L	11/03/25 12:44	VX110325
75-01-4	Vinyl Chloride	18.4		1	0.26	1.00	ug/L	11/03/25 12:44	VX110325
74-83-9	Bromomethane	20.8		1	1.40	5.00	ug/L	11/03/25 12:44	VX110325
75-00-3	Chloroethane	17.2		1	0.47	1.00	ug/L	11/03/25 12:44	VX110325
75-69-4	Trichlorofluoromethane	18.5		1	0.33	1.00	ug/L	11/03/25 12:44	VX110325
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	1.00	ug/L	11/03/25 12:44	VX110325
75-35-4	1,1-Dichloroethene	16.5		1	0.23	1.00	ug/L	11/03/25 12:44	VX110325
67-64-1	Acetone	99.0		1	1.50	5.00	ug/L	11/03/25 12:44	VX110325
75-15-0	Carbon Disulfide	16.5		1	0.21	1.00	ug/L	11/03/25 12:44	VX110325
1634-04-4	Methyl tert-butyl Ether	17.4		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
79-20-9	Methyl Acetate	16.0		1	0.27	1.00	ug/L	11/03/25 12:44	VX110325
75-09-2	Methylene Chloride	16.8		1	0.28	1.00	ug/L	11/03/25 12:44	VX110325
156-60-5	trans-1,2-Dichloroethene	16.7		1	0.23	1.00	ug/L	11/03/25 12:44	VX110325
75-34-3	1,1-Dichloroethane	16.8		1	0.23	1.00	ug/L	11/03/25 12:44	VX110325
110-82-7	Cyclohexane	19.5		1	1.50	5.00	ug/L	11/03/25 12:44	VX110325
78-93-3	2-Butanone	98.3		1	0.98	5.00	ug/L	11/03/25 12:44	VX110325
56-23-5	Carbon Tetrachloride	21.6		1	0.25	1.00	ug/L	11/03/25 12:44	VX110325
156-59-2	cis-1,2-Dichloroethene	19.3		1	0.19	1.00	ug/L	11/03/25 12:44	VX110325
74-97-5	Bromochloromethane	17.8		1	0.22	1.00	ug/L	11/03/25 12:44	VX110325
67-66-3	Chloroform	19.1		1	0.25	1.00	ug/L	11/03/25 12:44	VX110325
71-55-6	1,1,1-Trichloroethane	19.1		1	0.20	1.00	ug/L	11/03/25 12:44	VX110325
108-87-2	Methylcyclohexane	19.3		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
71-43-2	Benzene	22.8		1	0.15	1.00	ug/L	11/03/25 12:44	VX110325
107-06-2	1,2-Dichloroethane	21.1		1	0.22	1.00	ug/L	11/03/25 12:44	VX110325
79-01-6	Trichloroethene	19.1		1	0.090	1.00	ug/L	11/03/25 12:44	VX110325
78-87-5	1,2-Dichloropropane	19.5		1	0.20	1.00	ug/L	11/03/25 12:44	VX110325
75-27-4	Bromodichloromethane	21.7		1	0.22	1.00	ug/L	11/03/25 12:44	VX110325
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	5.00	ug/L	11/03/25 12:44	VX110325
108-88-3	Toluene	19.7		1	0.14	1.00	ug/L	11/03/25 12:44	VX110325
10061-02-6	t-1,3-Dichloropropene	21.7		1	0.17	1.00	ug/L	11/03/25 12:44	VX110325
10061-01-5	cis-1,3-Dichloropropene	21.0		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
79-00-5	1,1,2-Trichloroethane	20.4		1	0.21	1.00	ug/L	11/03/25 12:44	VX110325
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	11/03/25 12:44	VX110325
124-48-1	Dibromochloromethane	21.0		1	0.18	1.00	ug/L	11/03/25 12:44	VX110325
106-93-4	1,2-Dibromoethane	20.8		1	0.15	1.00	ug/L	11/03/25 12:44	VX110325
127-18-4	Tetrachloroethene	19.9		1	0.23	1.00	ug/L	11/03/25 12:44	VX110325
108-90-7	Chlorobenzene	20.0		1	0.12	1.00	ug/L	11/03/25 12:44	VX110325
100-41-4	Ethyl Benzene	20.3		1	0.13	1.00	ug/L	11/03/25 12:44	VX110325
179601-23-1	m/p-Xylenes	40.7		1	0.24	2.00	ug/L	11/03/25 12:44	VX110325
95-47-6	o-Xylene	19.8		1	0.12	1.00	ug/L	11/03/25 12:44	VX110325
100-42-5	Styrene	20.6		1	0.15	1.00	ug/L	11/03/25 12:44	VX110325
75-25-2	Bromoform	21.5		1	0.19	1.00	ug/L	11/03/25 12:44	VX110325

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	VX1103WBSD01	SDG No.:	Q3422
Lab Sample ID:	VX1103WBSD01	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	17.5		1	0.12	1.00	ug/L	11/03/25 12:44	VX110325
79-34-5	1,1,2,2-Tetrachloroethane	17.6		1	0.26	1.00	ug/L	11/03/25 12:44	VX110325
541-73-1	1,3-Dichlorobenzene	19.7		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
106-46-7	1,4-Dichlorobenzene	19.9		1	0.19	1.00	ug/L	11/03/25 12:44	VX110325
95-50-1	1,2-Dichlorobenzene	20.2		1	0.16	1.00	ug/L	11/03/25 12:44	VX110325
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		1	0.53	1.00	ug/L	11/03/25 12:44	VX110325
120-82-1	1,2,4-Trichlorobenzene	19.5		1	0.20	1.00	ug/L	11/03/25 12:44	VX110325
87-61-6	1,2,3-Trichlorobenzene	20.6		1	0.20	1.00	ug/L	11/03/25 12:44	VX110325
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.2			74 - 125	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	59.5			75 - 124	119%	SPK: 50		
2037-26-5	Toluene-d8	50.7			86 - 113	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.5			77 - 121	101%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	167000							
540-36-3	1,4-Difluorobenzene	243000							
3114-55-4	Chlorobenzene-d5	214000							
3855-82-1	1,4-Dichlorobenzene-d4	125000							

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048450.D
Acq On : 03 Nov 2025 12:44
Operator : JC/MD
Sample : VX1103WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 00:11:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	167391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	243248	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	213899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	118363	49.168	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.340%			
35) Dibromofluoromethane	5.367	113	82463	59.461	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.920%			
50) Toluene-d8	8.635	98	310153	50.663	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.061	95	115754	50.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	28587	16.742	ug/l	98
3) Chloromethane	1.301	50	18864	19.582	ug/l	94
4) Vinyl Chloride	1.380	62	41029	18.437	ug/l	96
5) Bromomethane	1.618	94	16723	20.803	ug/l	100
6) Chloroethane	1.697	64	22765	17.202	ug/l	94
7) Trichlorofluoromethane	1.898	101	63221	18.539	ug/l	97
8) Diethyl Ether	2.136	74	22209	18.020	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	33979	17.714	ug/l	98
10) Methyl Iodide	2.459	142	116804	15.143	ug/l	97
11) Tert butyl alcohol	2.934	59	16367	88.741	ug/l	100
12) 1,1-Dichloroethene	2.325	96	32177	16.515	ug/l	99
13) Acrolein	2.233	56	30780	79.953	ug/l	99
14) Allyl chloride	2.666	41	53071	16.085	ug/l	93
15) Acrylonitrile	3.056	53	70727	84.295	ug/l	99
16) Acetone	2.374	43	54019	99.007	ug/l	98
17) Carbon Disulfide	2.514	76	91991	16.467	ug/l	99
18) Methyl Acetate	2.697	43	29148	15.973	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	108511	17.392	ug/l	99
20) Methylene Chloride	2.788	84	35256	16.763	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	34558	16.699	ug/l	97
22) Diisopropyl ether	3.745	45	116390	17.234	ug/l	90
23) Vinyl Acetate	3.715	43	420032	91.365	ug/l	100
24) 1,1-Dichloroethane	3.605	63	64269	16.768	ug/l	99
25) 2-Butanone	4.538	43	85712	98.337	ug/l	99
26) 2,2-Dichloropropane	4.465	77	57945	17.559	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	47619	19.280	ug/l	93
28) Bromochloromethane	4.879	49	30971	17.830	ug/l	85
29) Tetrahydrofuran	4.989	42	58619	94.436	ug/l	96
30) Chloroform	5.080	83	75476	19.143	ug/l	95
31) Cyclohexane	5.458	56	64995	19.536	ug/l	90
32) 1,1,1-Trichloroethane	5.373	97	66453	19.092	ug/l	99
36) 1,1-Dichloropropene	5.678	75	51407	22.073	ug/l	98
37) Ethyl Acetate	4.696	43	43278	21.811	ug/l	97
38) Carbon Tetrachloride	5.666	117	58118	21.613	ug/l	99
39) Methylcyclohexane	7.367	83	57757	19.285	ug/l	94
40) Benzene	6.019	78	161903	22.755	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048450.D
Acq On : 03 Nov 2025 12:44
Operator : JC/MD
Sample : VX1103WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 00:11:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	21606	21.618	ug/l		96
42) 1,2-Dichloroethane	6.068	62	52847	21.088	ug/l		95
43) Isopropyl Acetate	6.318	43	71645	21.870	ug/l	#	94
44) Trichloroethene	7.111	130	35651	19.125	ug/l		98
45) 1,2-Dichloropropane	7.415	63	34570	19.455	ug/l		99
46) Dibromomethane	7.562	93	26065	20.954	ug/l		98
47) Bromodichloromethane	7.806	83	57259	21.665	ug/l		99
48) Methyl methacrylate	7.678	41	32975	20.641	ug/l		97
49) 1,4-Dioxane	7.641	88	7227	398.005	ug/l		94
51) 4-Methyl-2-Pentanone	8.555	43	188925	103.625	ug/l		100
52) Toluene	8.702	92	87495	19.680	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	52024	21.717	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	54151	20.981	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	32818	20.398	ug/l		98
56) Ethyl methacrylate	9.098	69	46338	19.670	ug/l		96
57) 1,3-Dichloropropane	9.293	76	57236	20.518	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	131453	99.496	ug/l		99
59) 2-Hexanone	9.415	43	128193	108.062	ug/l		98
60) Dibromochloromethane	9.506	129	41852	21.033	ug/l		99
61) 1,2-Dibromoethane	9.592	107	34557	20.762	ug/l		99
64) Tetrachloroethene	9.257	164	34197	19.852	ug/l		96
65) Chlorobenzene	10.061	112	98457	19.980	ug/l		95
66) 1,1,1,2-Tetrachloroethane	10.147	131	35783	21.348	ug/l		98
67) Ethyl Benzene	10.177	91	168078	20.257	ug/l		99
68) m/p-Xylenes	10.287	106	127810	40.684	ug/l		99
69) o-Xylene	10.622	106	59421	19.793	ug/l		100
70) Styrene	10.640	104	104613	20.570	ug/l		99
71) Bromoform	10.781	173	26051	21.484	ug/l	#	100
73) Isopropylbenzene	10.945	105	162157	17.509	ug/l		100
74) N-amyl acetate	10.823	43	58503	17.707	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	41188	17.557	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	32874m	18.256	ug/l		
77) Bromobenzene	11.177	156	39611	17.314	ug/l		98
78) n-propylbenzene	11.287	91	192825	17.615	ug/l		99
79) 2-Chlorotoluene	11.348	91	114551	17.430	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	134673	17.739	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	8777	16.867	ug/l	#	74
82) 4-Chlorotoluene	11.433	91	137156	17.752	ug/l		98
83) tert-Butylbenzene	11.695	119	134749	17.434	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	135084	17.970	ug/l		99
85) sec-Butylbenzene	11.872	105	190712	19.803	ug/l		99
86) p-Isopropyltoluene	11.988	119	167323	20.551	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	85899	19.660	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	88526	19.893	ug/l		100
89) n-Butylbenzene	12.311	91	149301	19.531	ug/l		99
90) Hexachloroethane	12.518	117	27911	19.510	ug/l		92
91) 1,2-Dichlorobenzene	12.317	146	81672	20.172	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	9170	19.962	ug/l		94
93) 1,2,4-Trichlorobenzene	13.567	180	54589	19.539	ug/l		99
94) Hexachlorobutadiene	13.707	225	23093	19.705	ug/l		99
95) Naphthalene	13.756	128	136418	19.333	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	52342	20.625	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048450.D
Acq On : 03 Nov 2025 12:44
Operator : JC/MD
Sample : VX1103WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 00:11:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

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

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

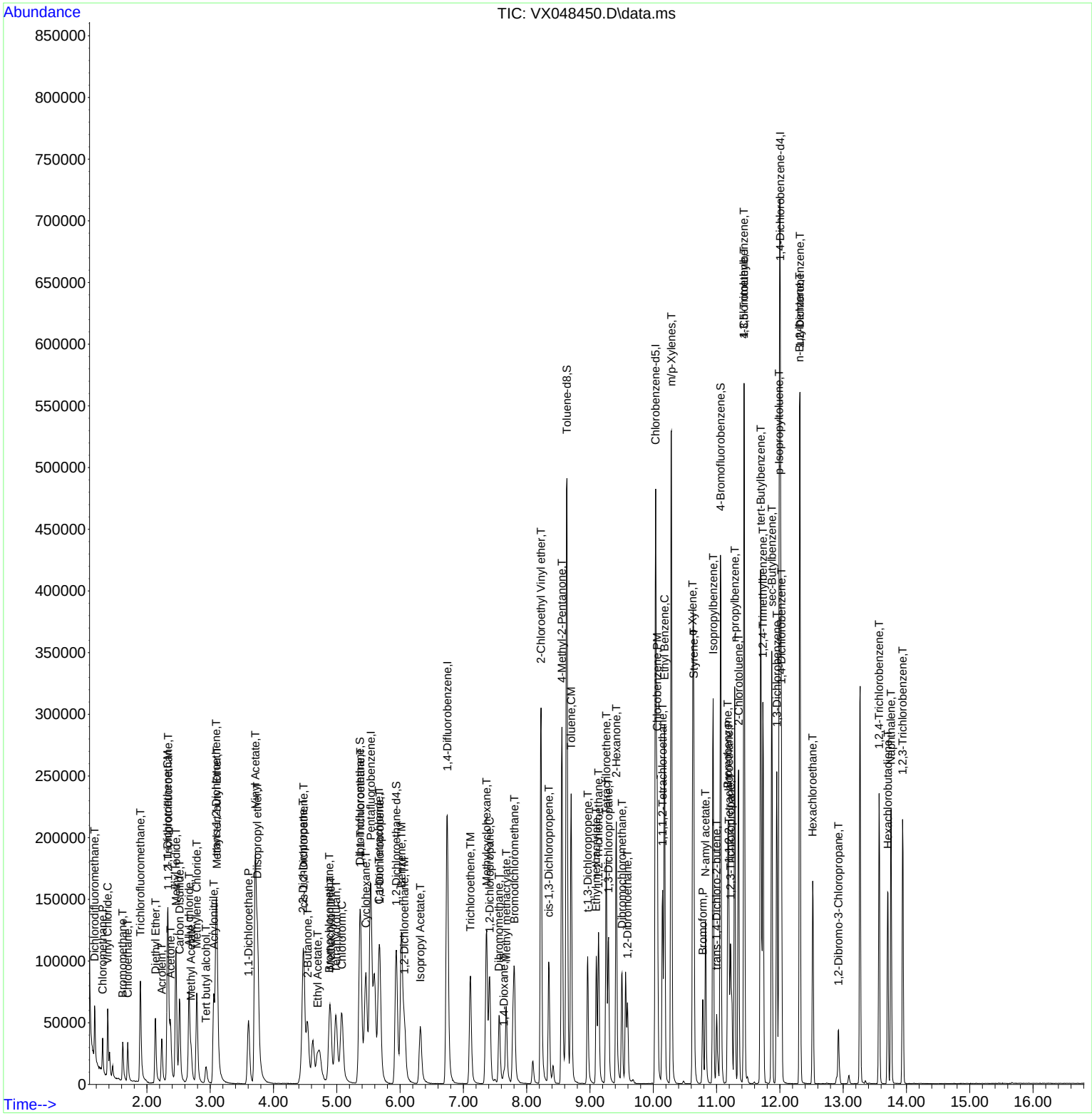
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Data File : VX048450.D
Acq On : 03 Nov 2025 12:44
Operator : JC/MD
Sample : VX1103WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

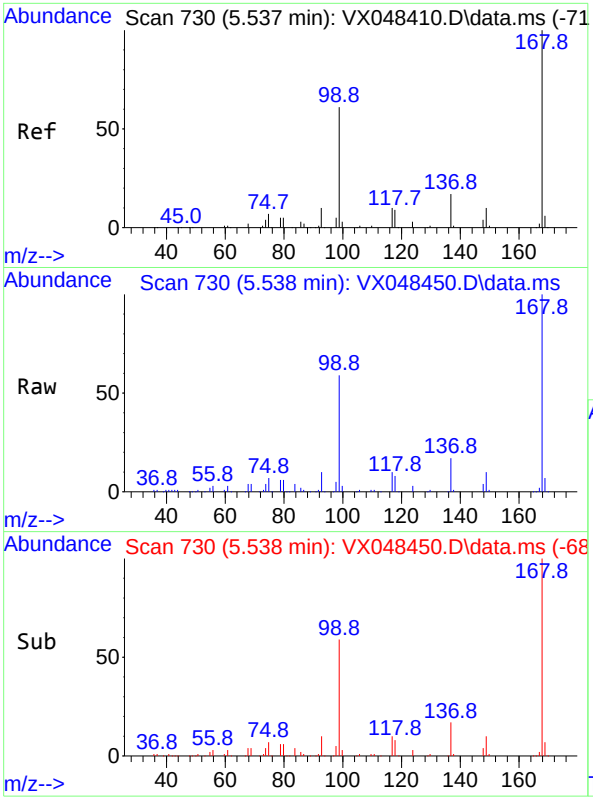
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Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

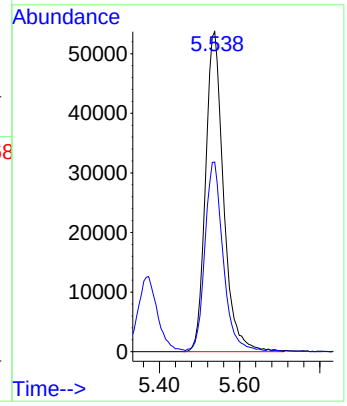




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:168 Resp: 16739

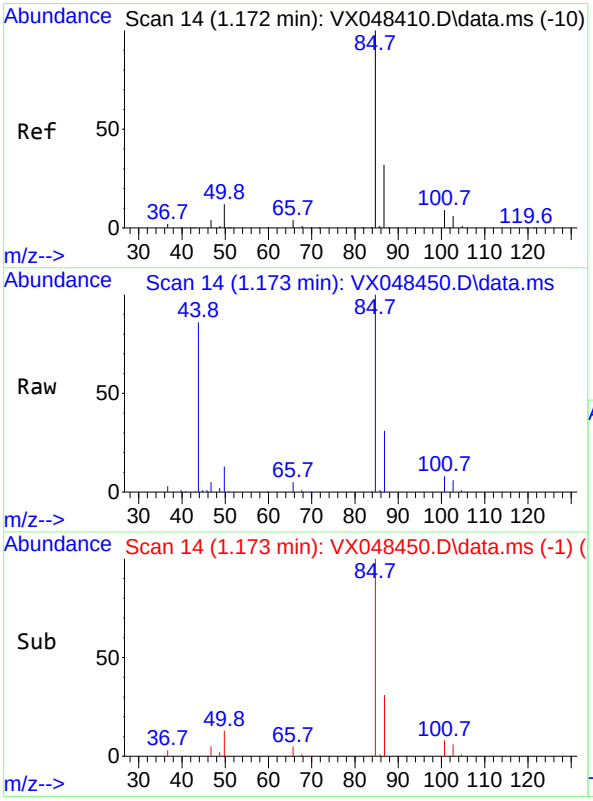
Ion	Ratio	Lower	Upper
168	100		
99	59.2	46.4	69.6



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

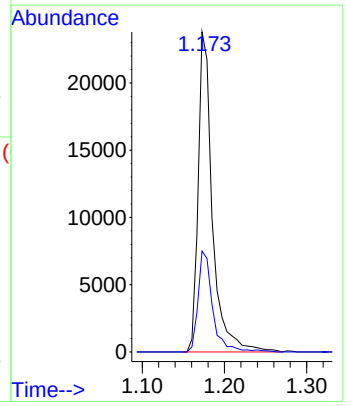
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

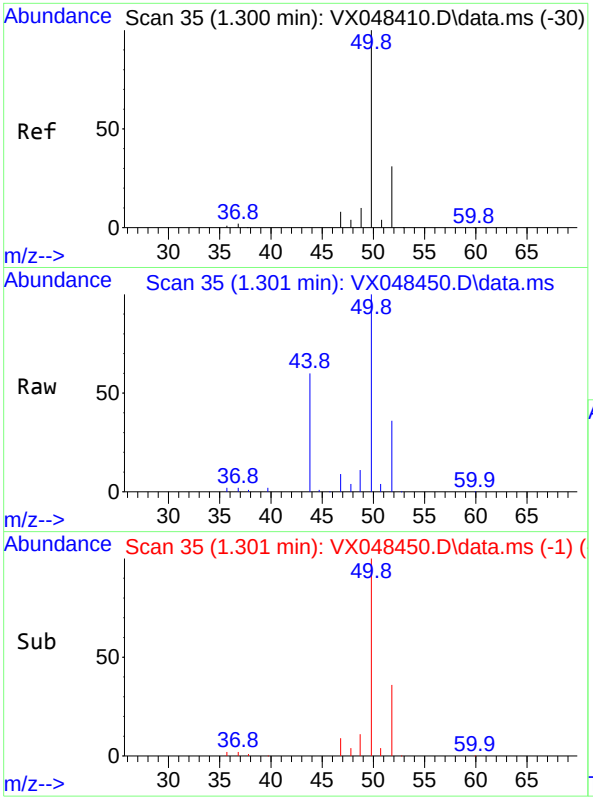


#2
Dichlorodifluoromethane
Concen: 16.742 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 85 Resp: 28587

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.3	45.9

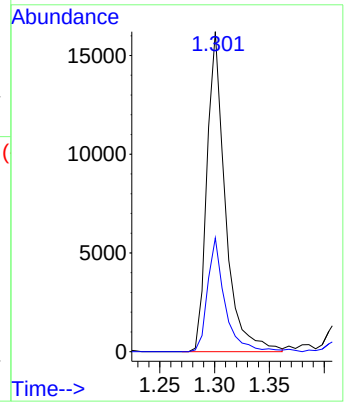




#3
Chloromethane
Concen: 19.582 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 50 Resp: 1886

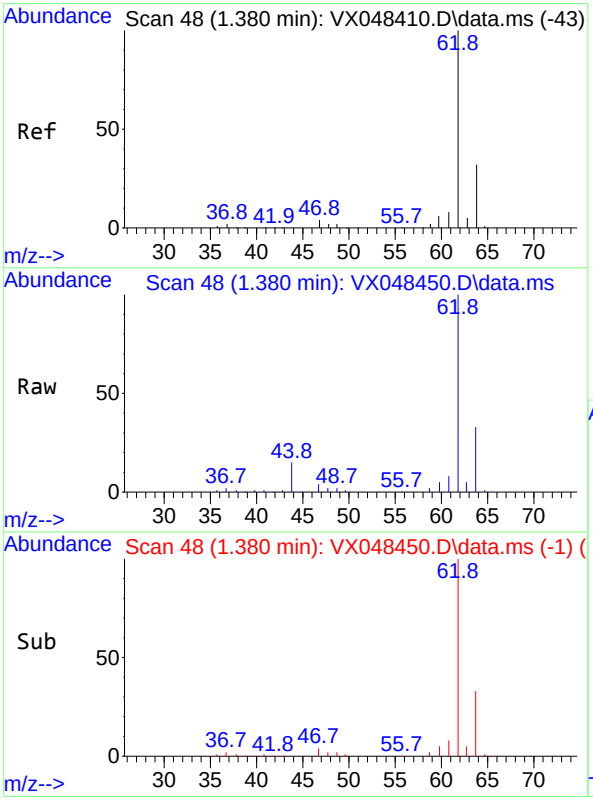
Ion	Ratio	Lower	Upper
50	100		
52	35.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

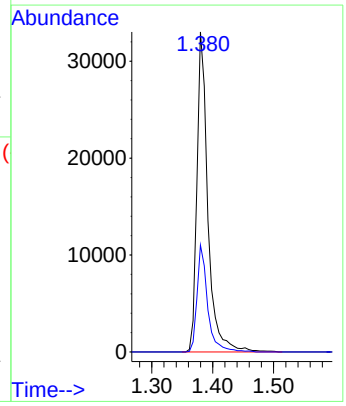
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

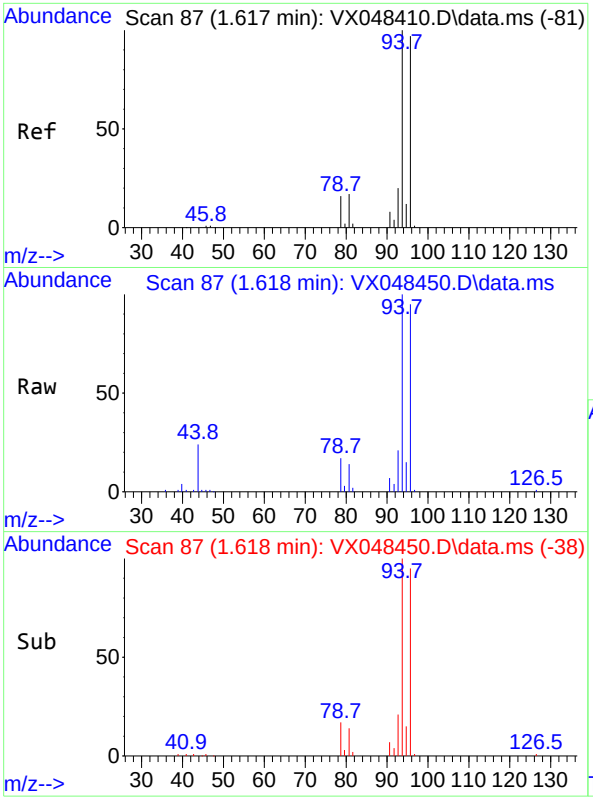


#4
Vinyl Chloride
Concen: 18.437 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 62 Resp: 41029

Ion	Ratio	Lower	Upper
62	100		
64	33.4	25.1	37.7

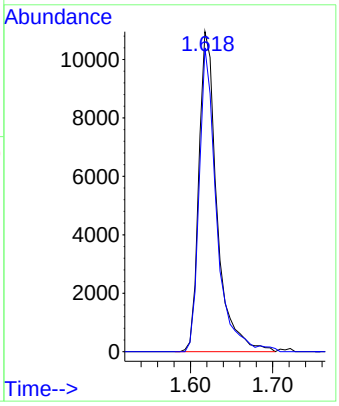




#5
Bromomethane
Concen: 20.803 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 94 Resp: 1672

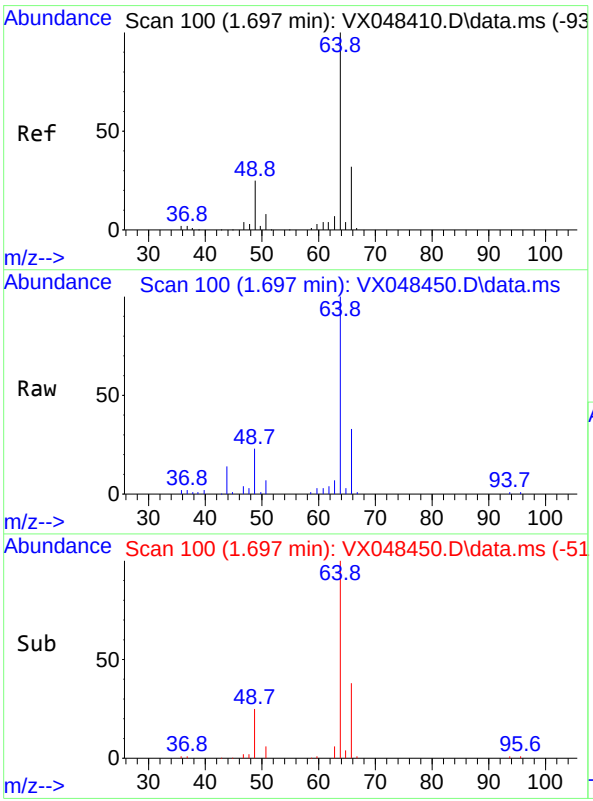
Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.0	114.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

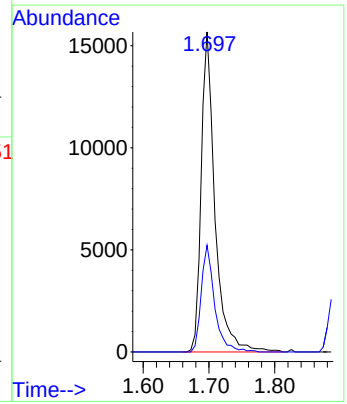
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

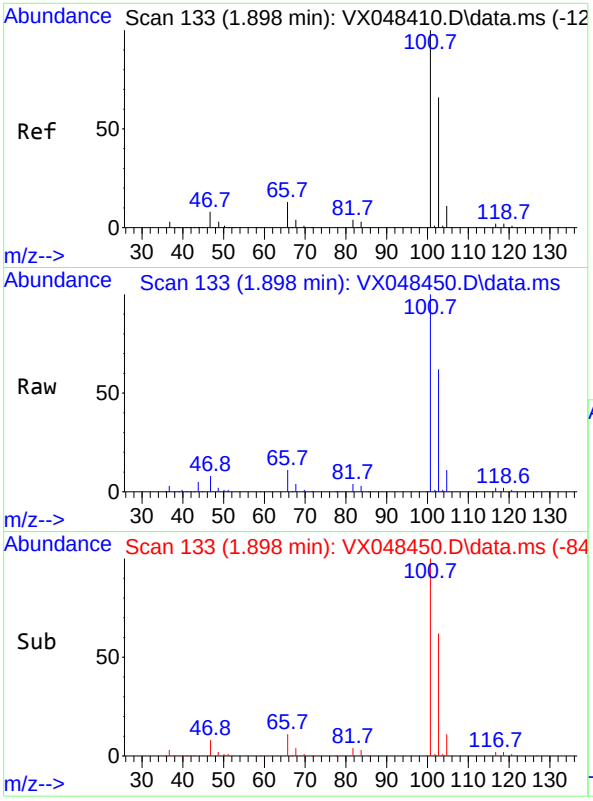


#6
Chloroethane
Concen: 17.202 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 64 Resp: 22765

Ion	Ratio	Lower	Upper
64	100		
66	33.4	23.9	35.9

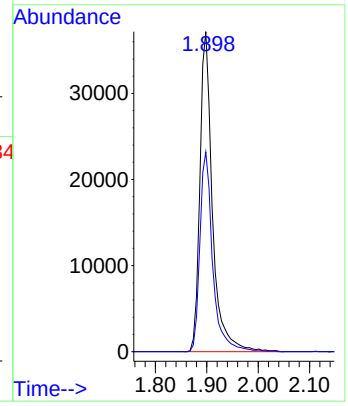




#7
Trichlorofluoromethane
Concen: 18.539 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:101 Resp: 6322

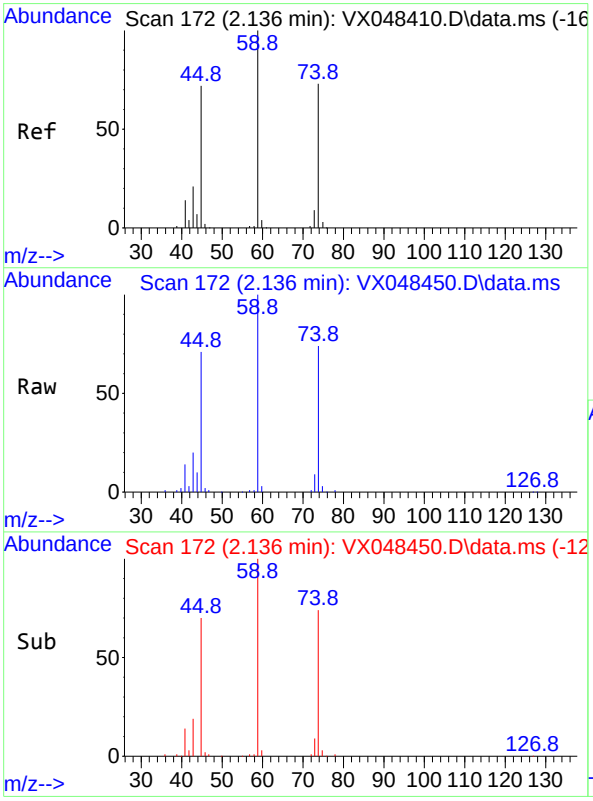
Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.6	77.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

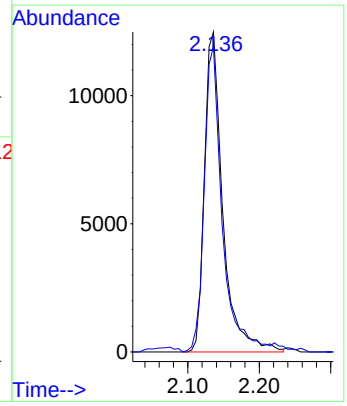
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

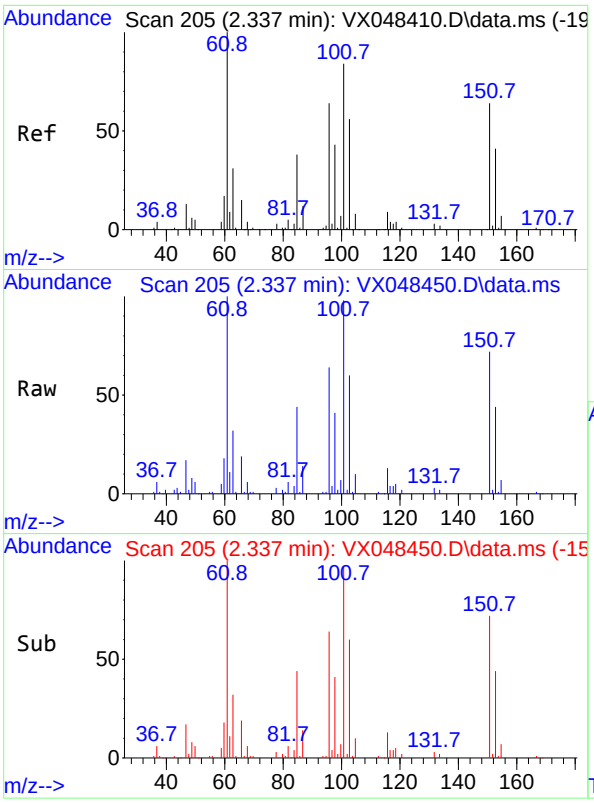


#8
Diethyl Ether
Concen: 18.020 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 74 Resp: 22209

Ion	Ratio	Lower	Upper
74	100		
45	93.9	50.0	149.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.714 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

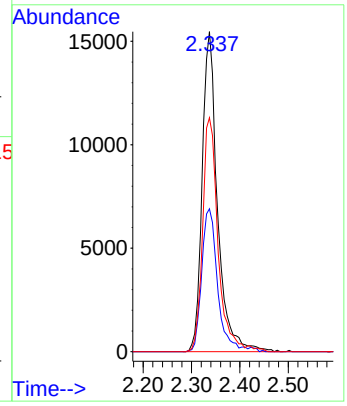
Tgt Ion:101 Resp: 3397

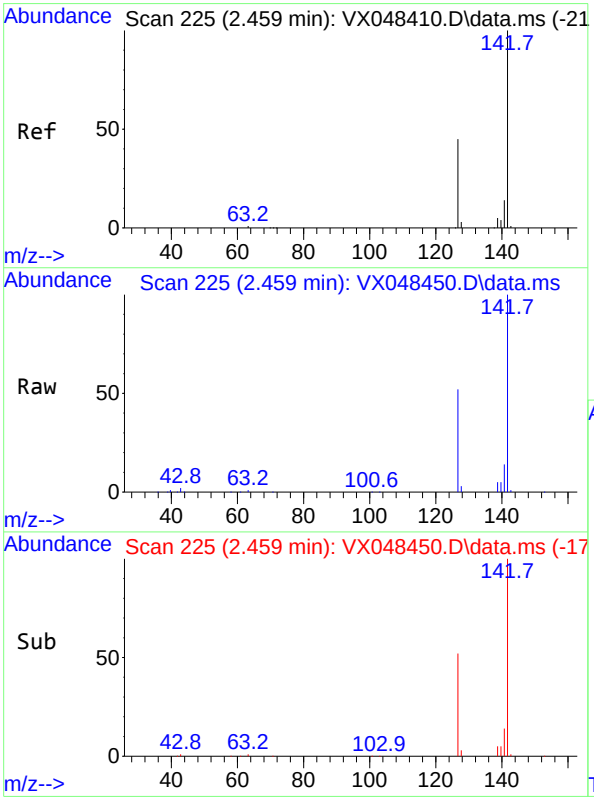
Ion	Ratio	Lower	Upper
101	100		
85	46.2	35.6	53.4
151	74.1	58.0	87.0

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

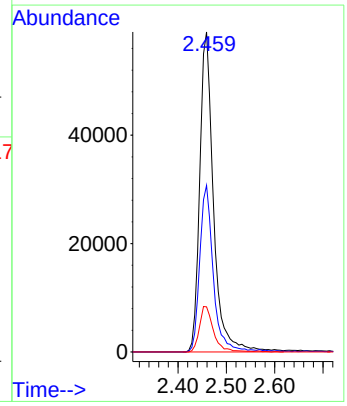


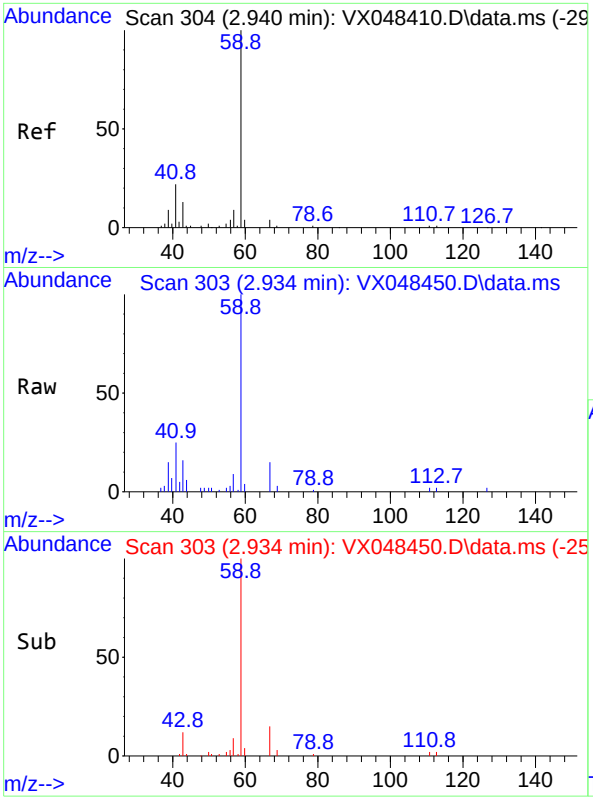


#10
Methyl Iodide
Concen: 15.143 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:142 Resp: 116804

Ion	Ratio	Lower	Upper
142	100		
127	51.0	38.5	57.7
141	14.5	11.6	17.4

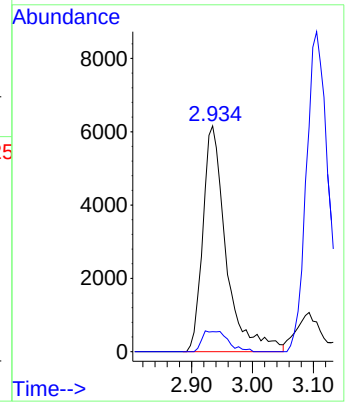




#11
Tert butyl alcohol
Concen: 88.741 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 59 Resp: 1636

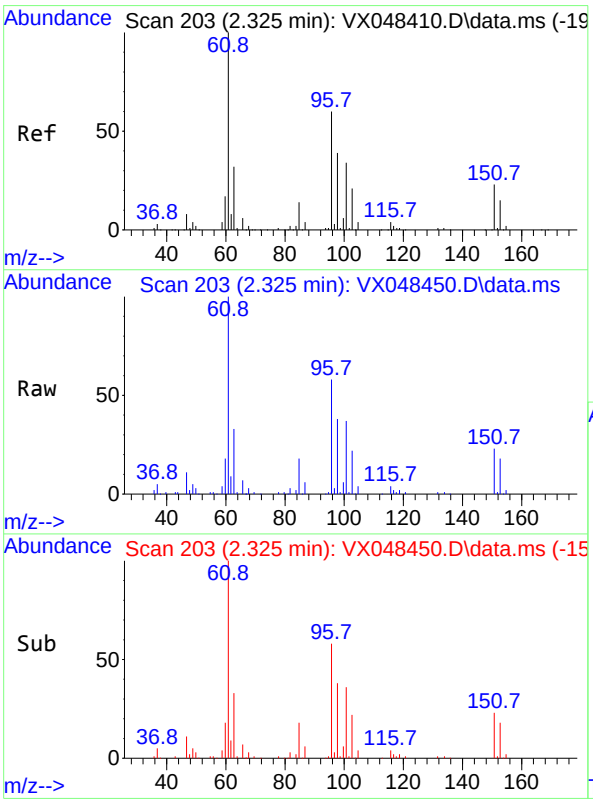
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

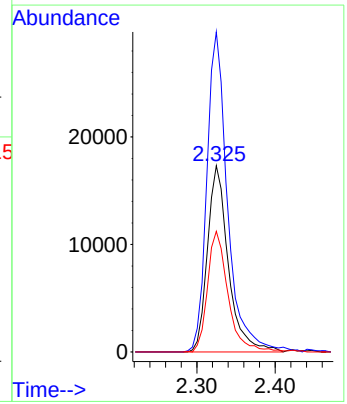
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

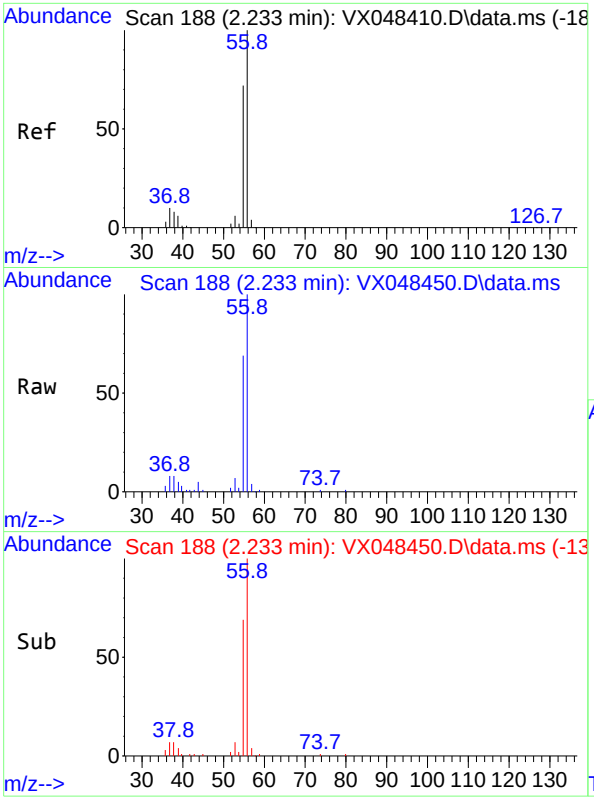


#12
1,1-Dichloroethene
Concen: 16.515 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 96 Resp: 32177

Ion	Ratio	Lower	Upper
96	100		
61	171.8	139.0	208.6
98	66.5	52.4	78.6

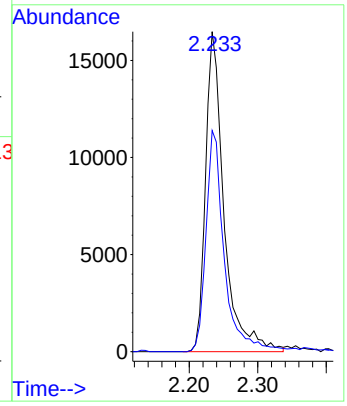




#13
Acrolein
Concen: 79.953 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 56 Resp: 3078

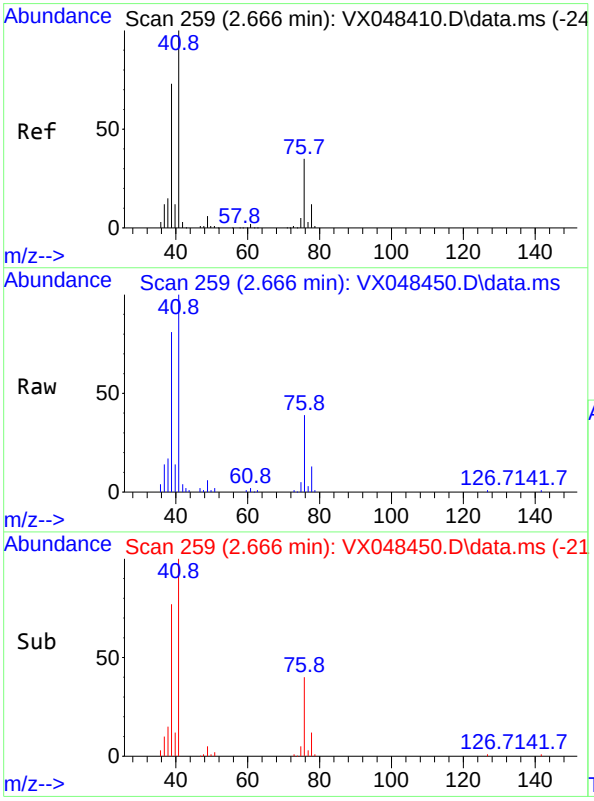
Ion	Ratio	Lower	Upper
56	100		
55	68.9	56.1	84.1



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

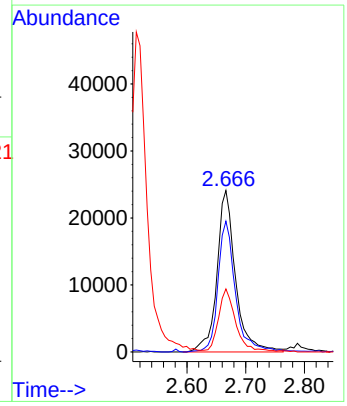
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

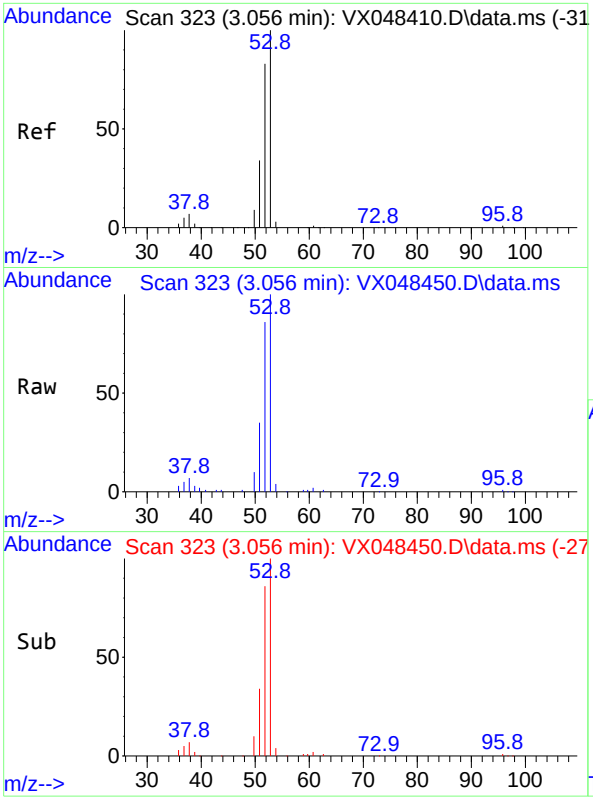


#14
Allyl chloride
Concen: 16.085 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 41 Resp: 53071

Ion	Ratio	Lower	Upper
41	100		
39	76.6	56.0	84.0
76	36.8	27.5	41.3

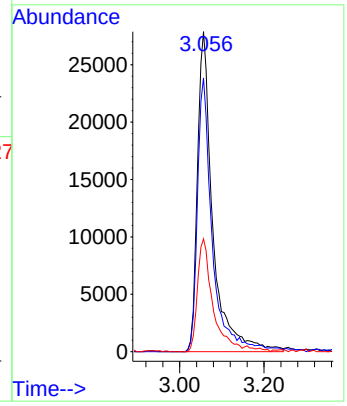




#15
Acrylonitrile
Concen: 84.295 ug/l
RT: 3.056 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 53 Resp: 7072

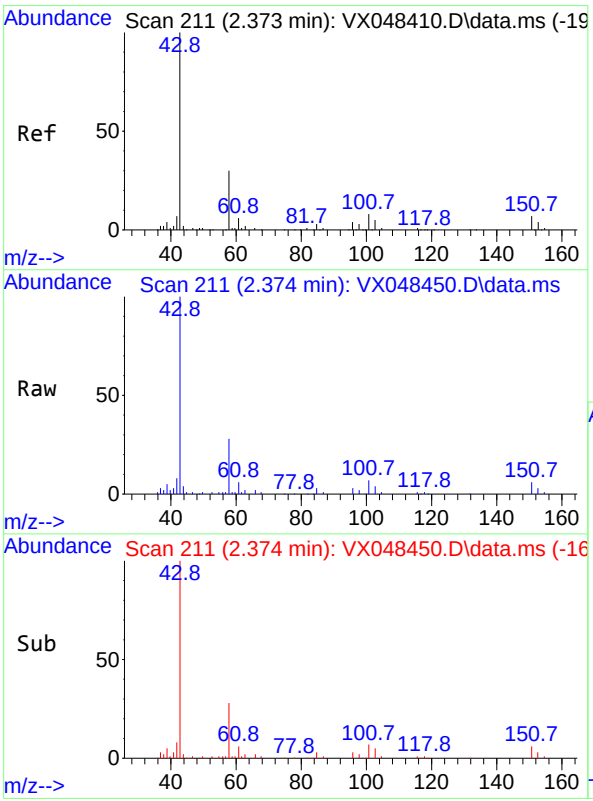
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.1	99.1
51	34.9	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

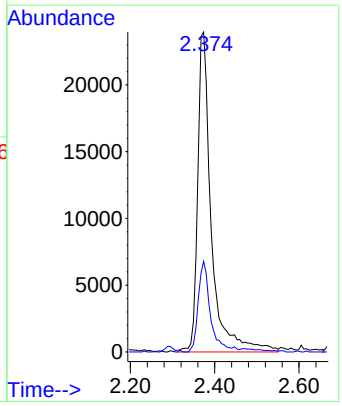
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

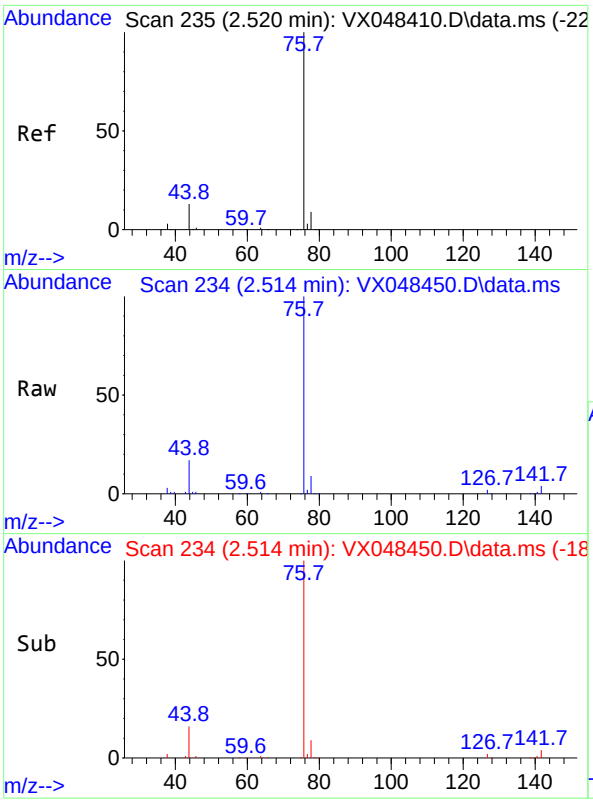


#16
Acetone
Concen: 99.007 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 54019

Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.4	35.2





#17
Carbon Disulfide
Concen: 16.467 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

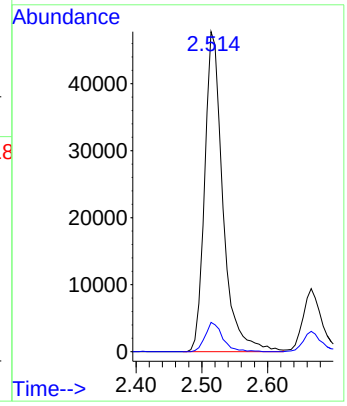
Tgt Ion: 76 Resp: 9199

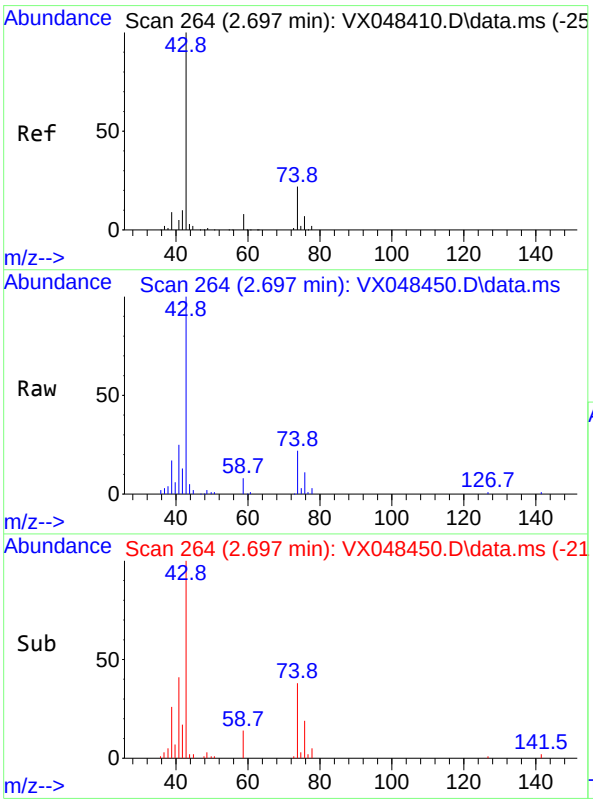
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

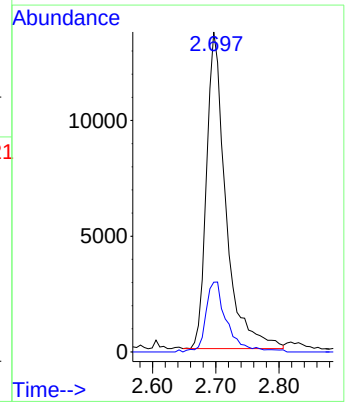


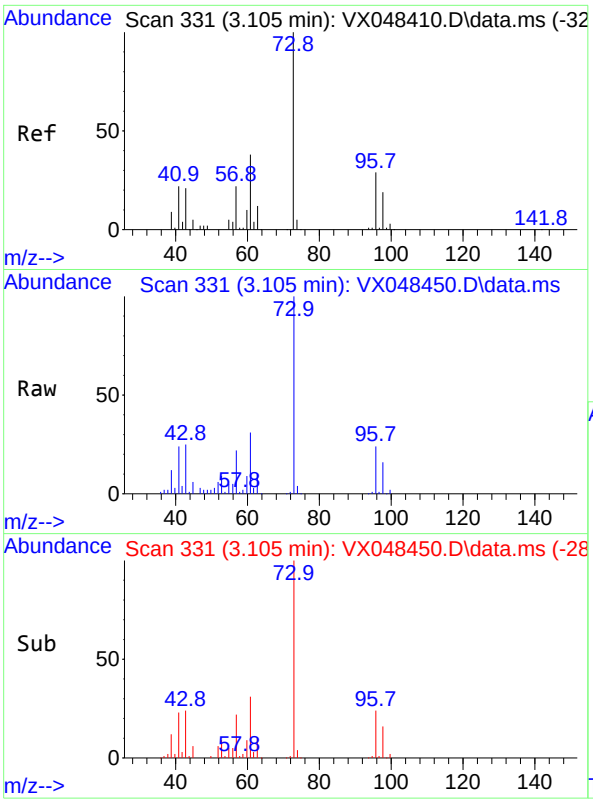


#18
Methyl Acetate
Concen: 15.973 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 29148

Ion	Ratio	Lower	Upper
43	100		
74	24.2	17.5	26.3

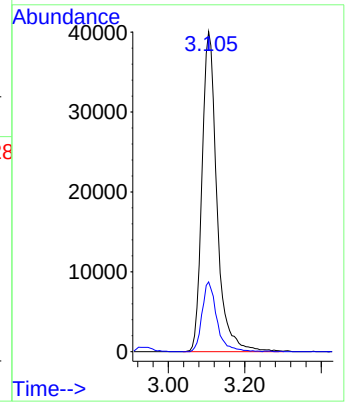




#19
Methyl tert-butyl Ether
Concen: 17.392 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 73 Resp: 10851

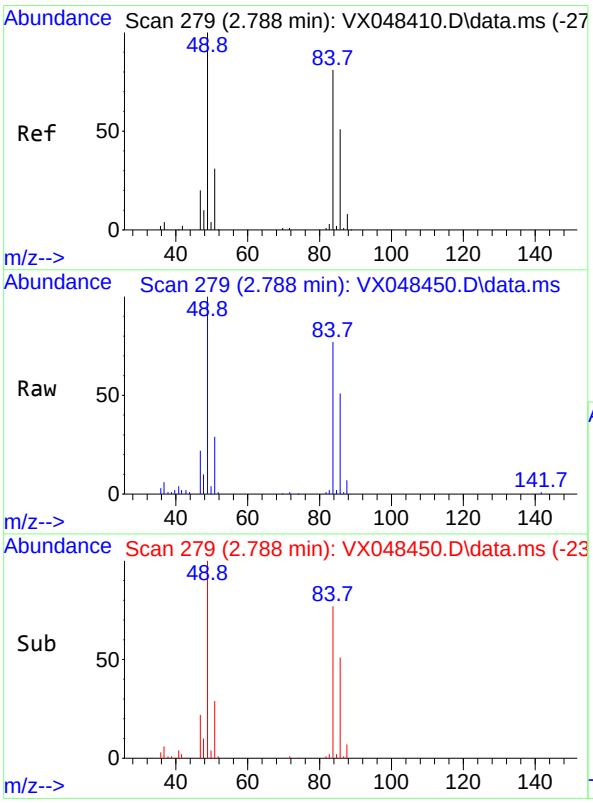
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

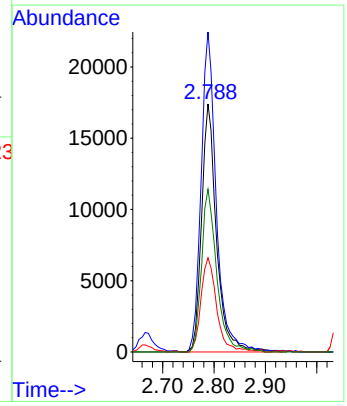
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

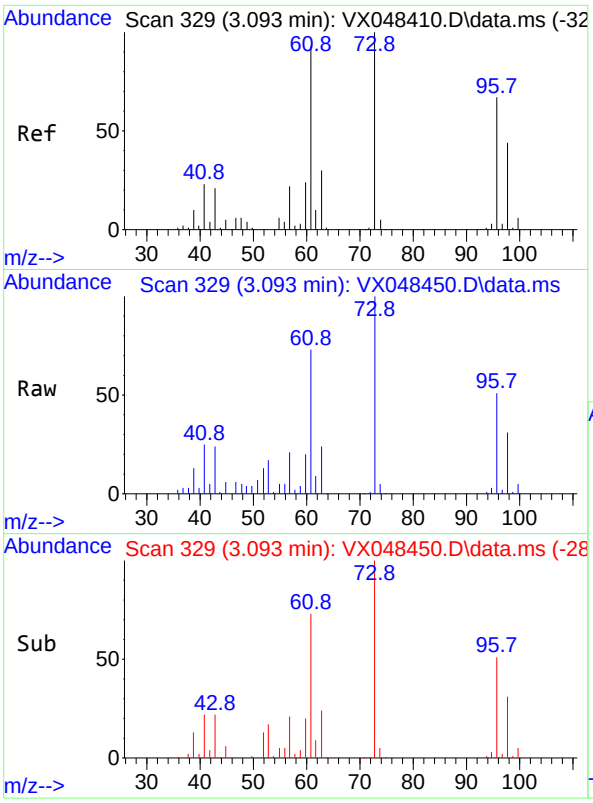


#20
Methylene Chloride
Concen: 16.763 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 84 Resp: 35256

Ion	Ratio	Lower	Upper
84	100		
49	129.1	104.1	156.1
51	37.9	31.3	46.9
86	65.6	51.3	76.9

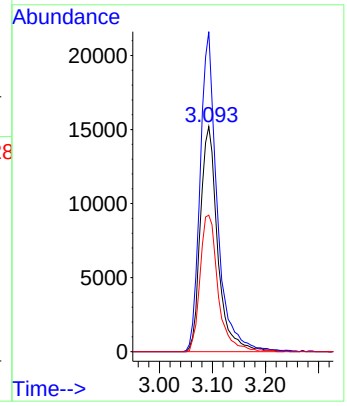




#21
trans-1,2-Dichloroethene
Concen: 16.699 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 96 Resp: 3455

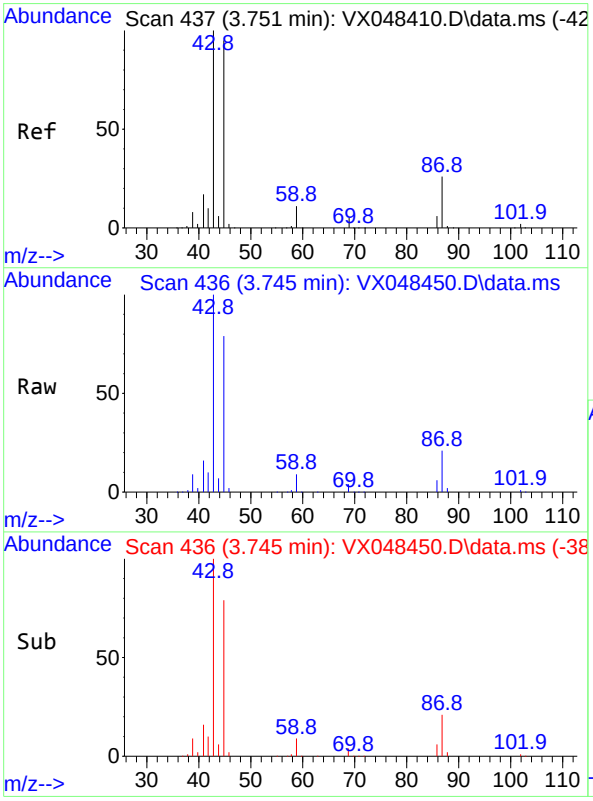
Ion	Ratio	Lower	Upper
96	100		
61	142.1	111.9	167.9
98	60.6	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

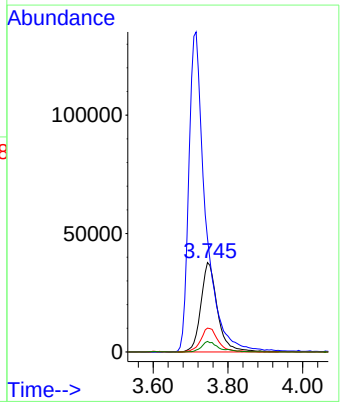
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

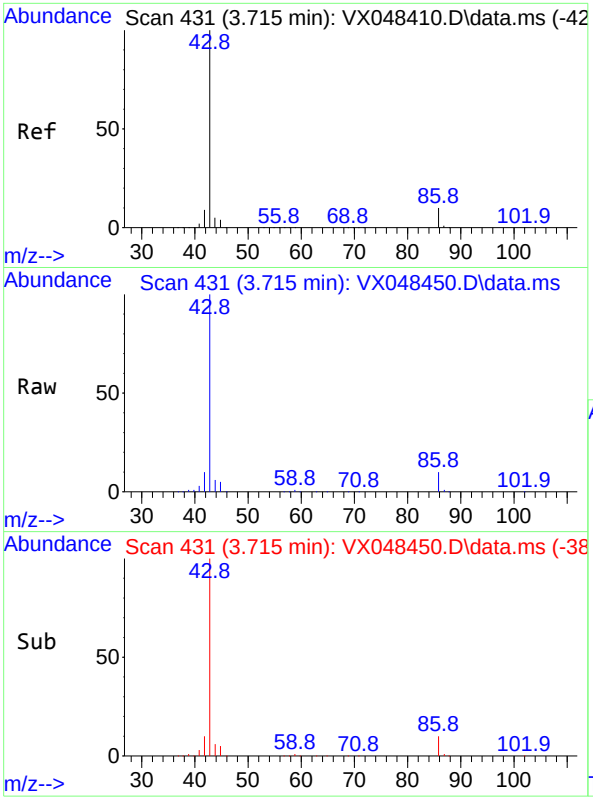


#22
Diisopropyl ether
Concen: 17.234 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 45 Resp: 116390

Ion	Ratio	Lower	Upper
45	100		
43	125.9	89.8	134.8
87	26.6	20.6	31.0
59	12.2	9.1	13.7

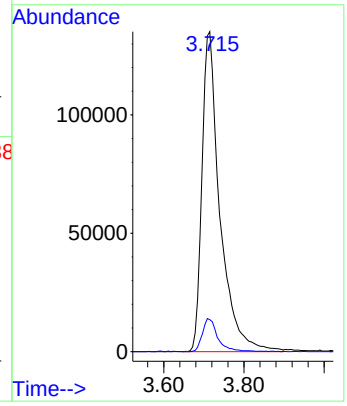




#23
Vinyl Acetate
Concen: 91.365 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 42003

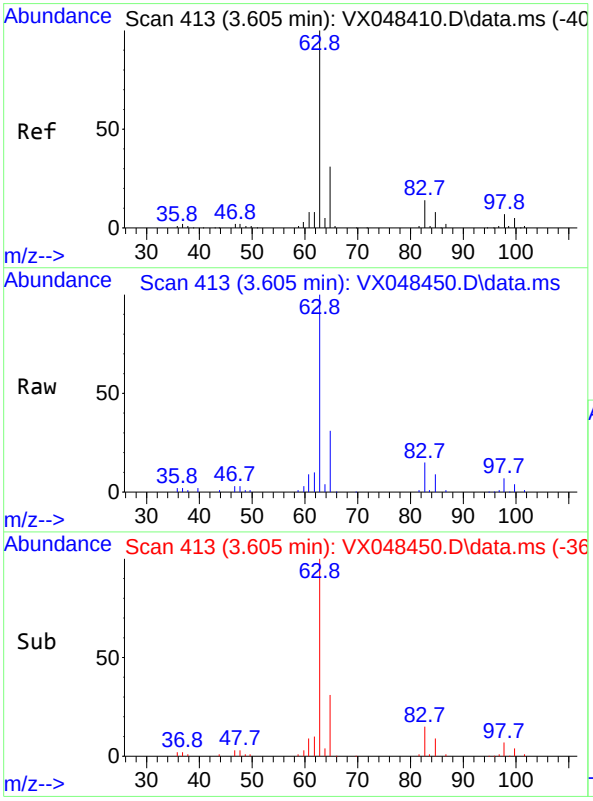
Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

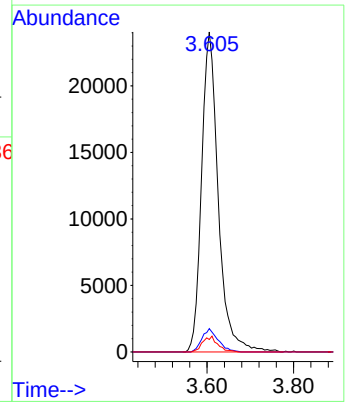
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

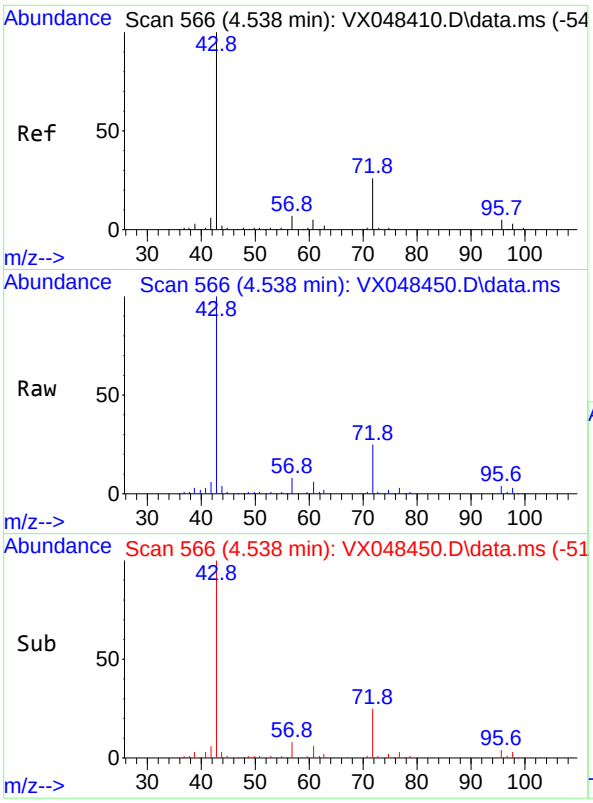


#24
1,1-Dichloroethane
Concen: 16.768 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 63 Resp: 64269

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.6
100	3.9	2.1	6.3

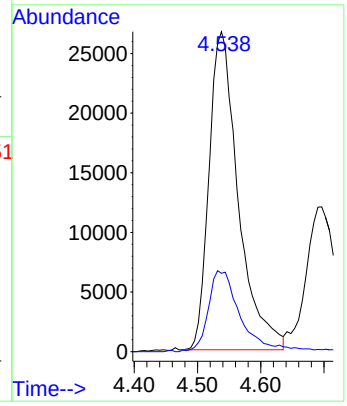




#25
2-Butanone
Concen: 98.337 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 8571

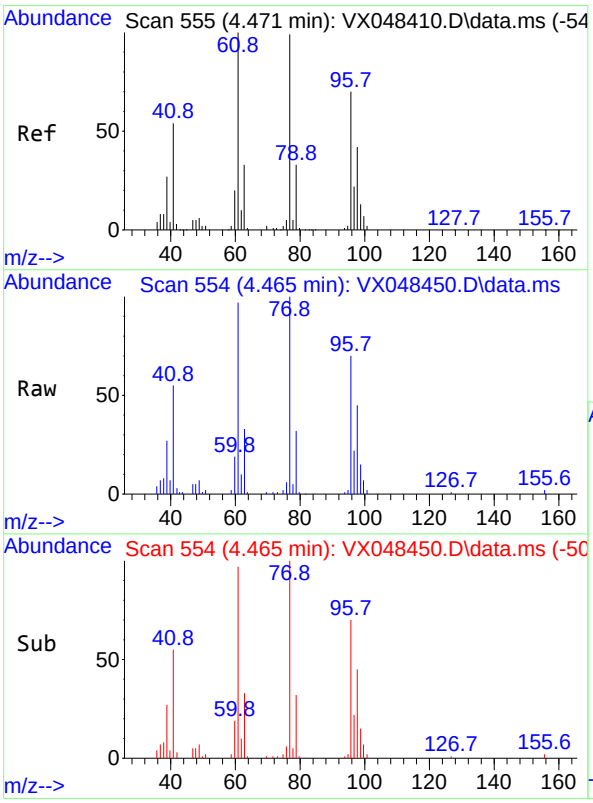
Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.9	29.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

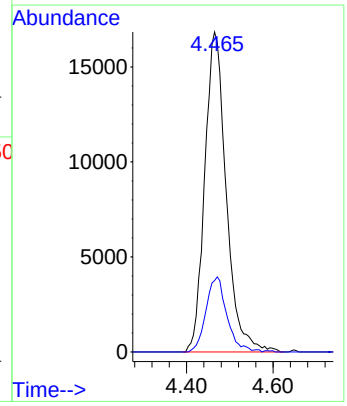
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

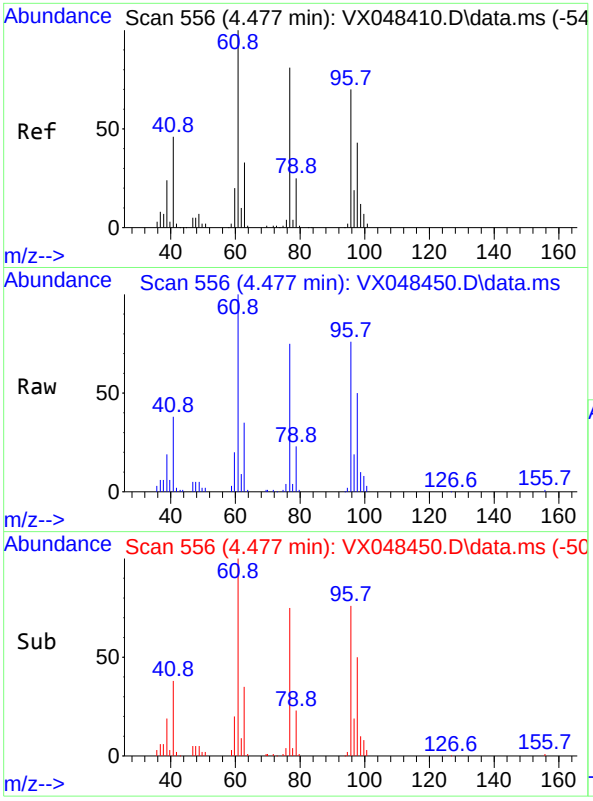


#26
2,2-Dichloropropane
Concen: 17.559 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 77 Resp: 57945

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.1	33.3

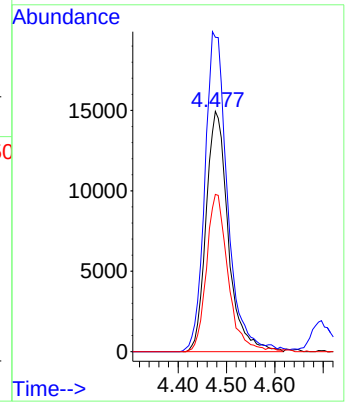




#27
cis-1,2-Dichloroethene
Concen: 19.280 ug/l
RT: 4.477 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 96 Resp: 4761

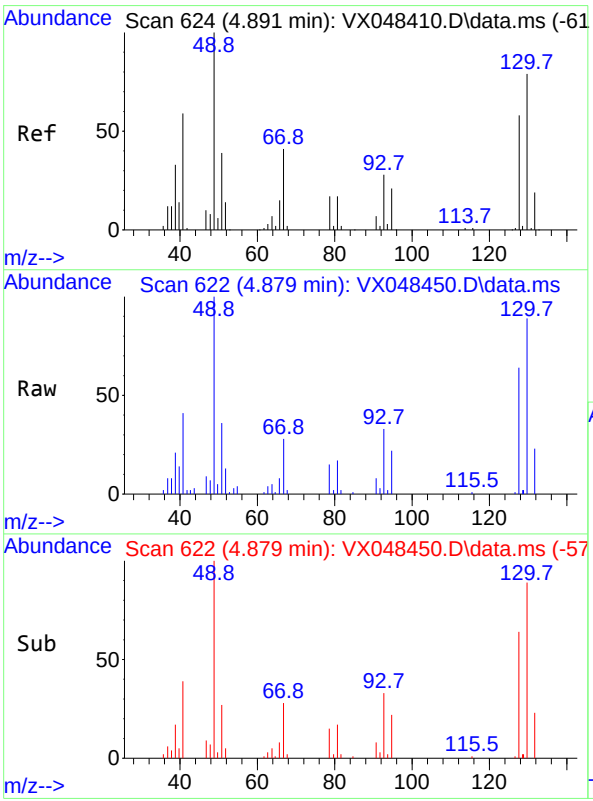
Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	294.2
98	63.3	0.0	128.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

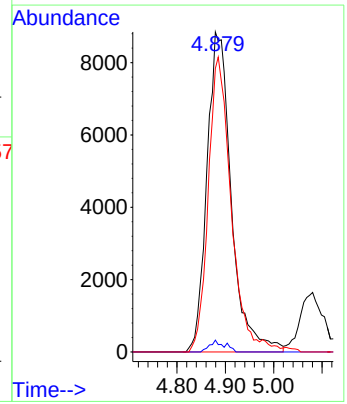
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

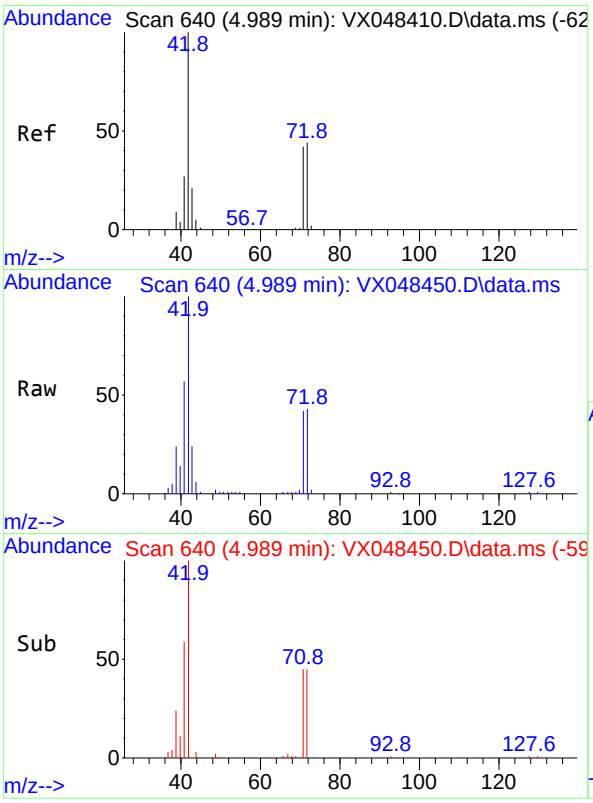


#28
Bromochloromethane
Concen: 17.830 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 49 Resp: 30971

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	86.7	59.3	88.9

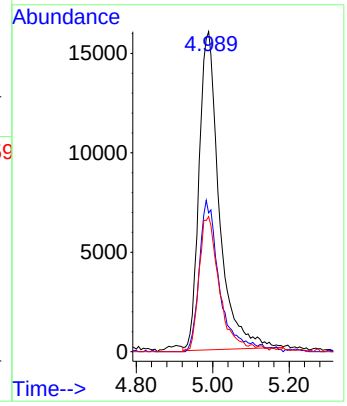




#29
Tetrahydrofuran
Concen: 94.436 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 42 Resp: 5861

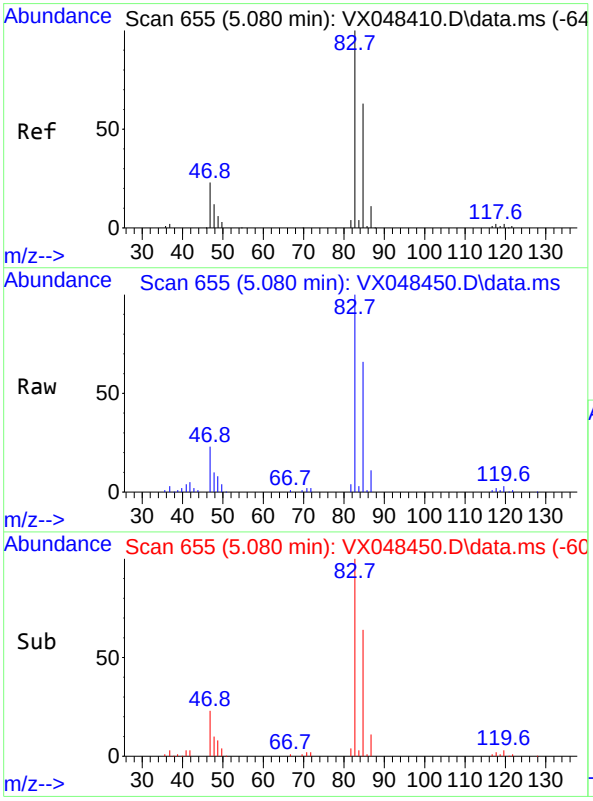
Ion	Ratio	Lower	Upper
42	100		
72	47.2	35.3	52.9
71	42.4	32.2	48.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

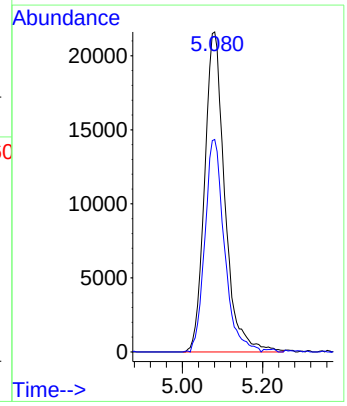
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

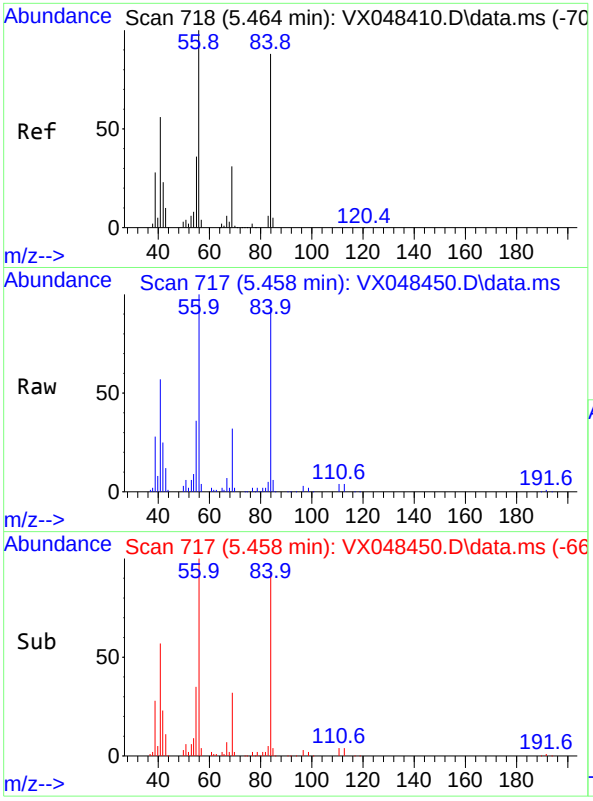


#30
Chloroform
Concen: 19.143 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 83 Resp: 75476

Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.1	75.1

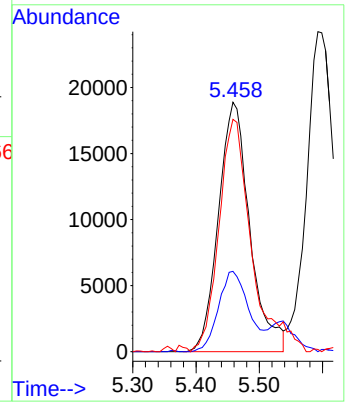




#31
Cyclohexane
Concen: 19.536 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 56 Resp: 6499

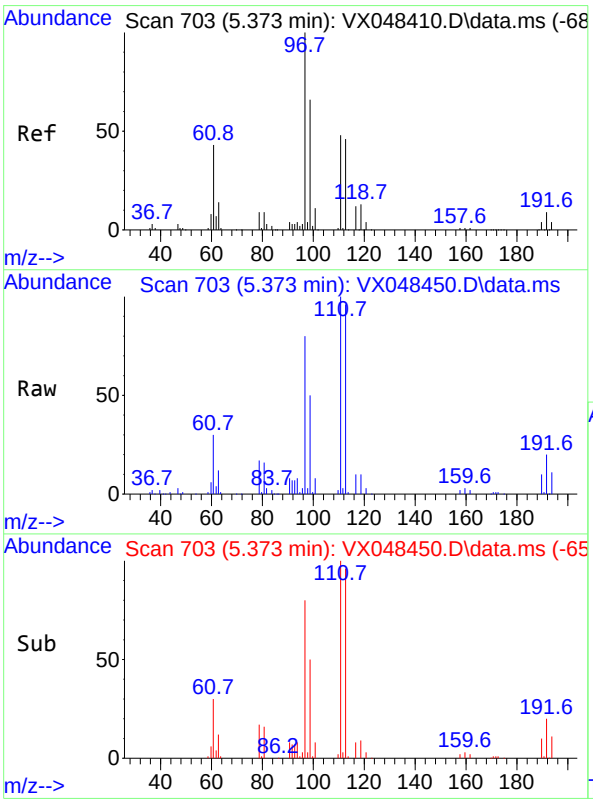
Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.0	34.6
84	91.4	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

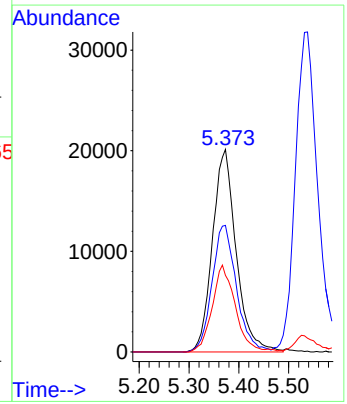
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

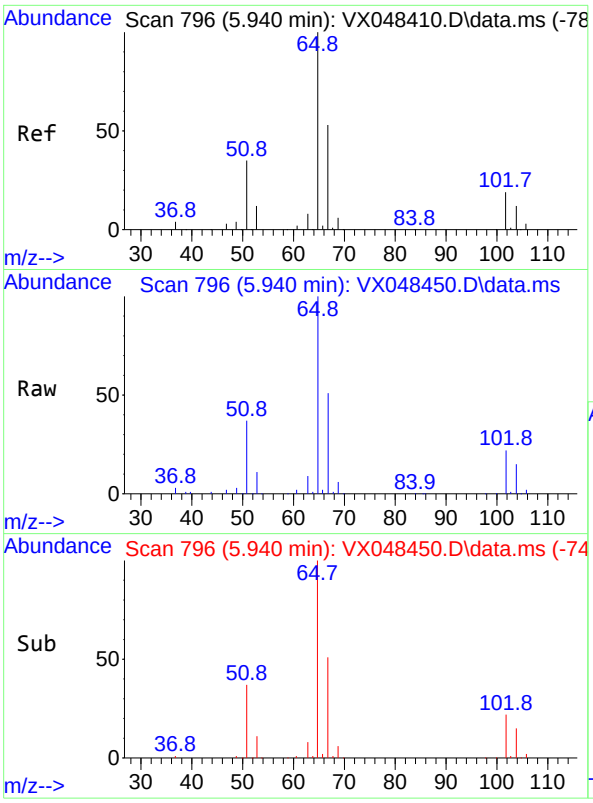


#32
1,1,1-Trichloroethane
Concen: 19.092 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 97 Resp: 66453

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	41.5	34.8	52.2

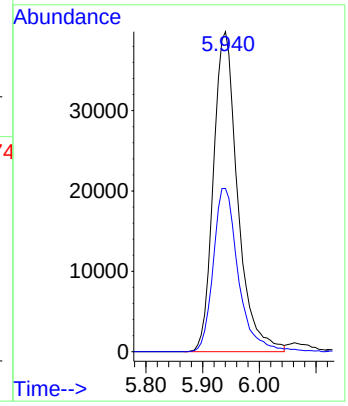




#33
1,2-Dichloroethane-d4
Concen: 49.168 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 65 Resp: 11836

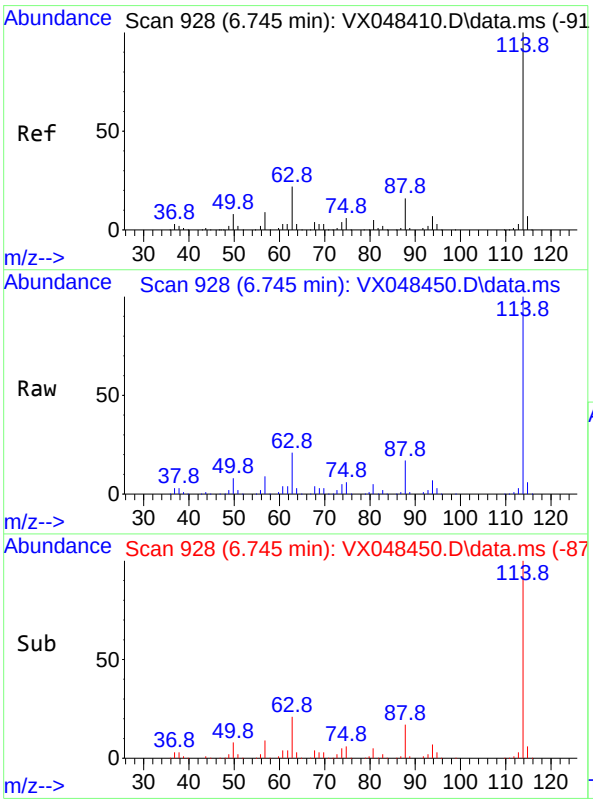
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

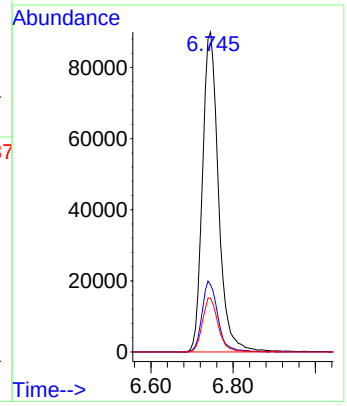
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

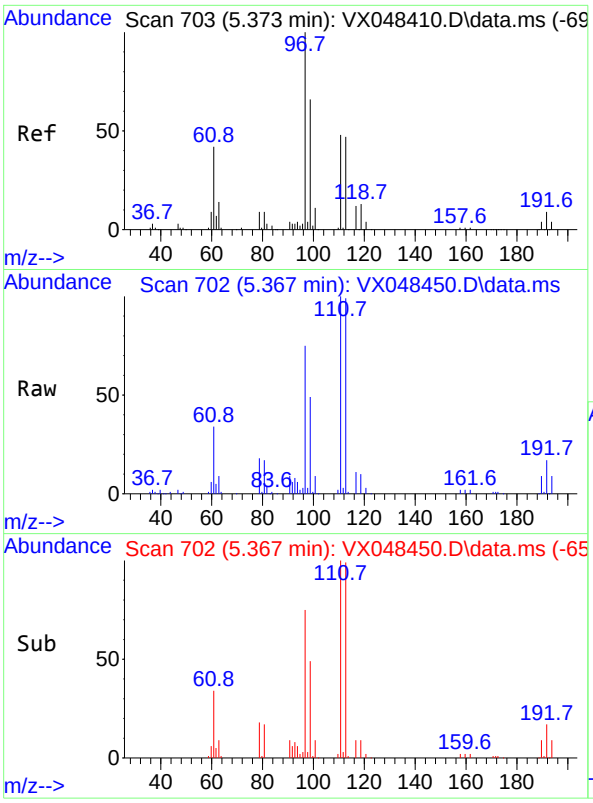


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:114 Resp: 243248

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.2
88	16.8	0.0	33.6

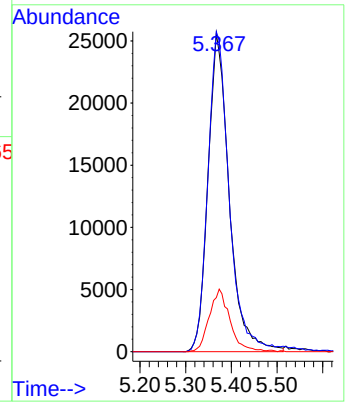




#35
Dibromofluoromethane
Concen: 59.461 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:113 Resp: 8246

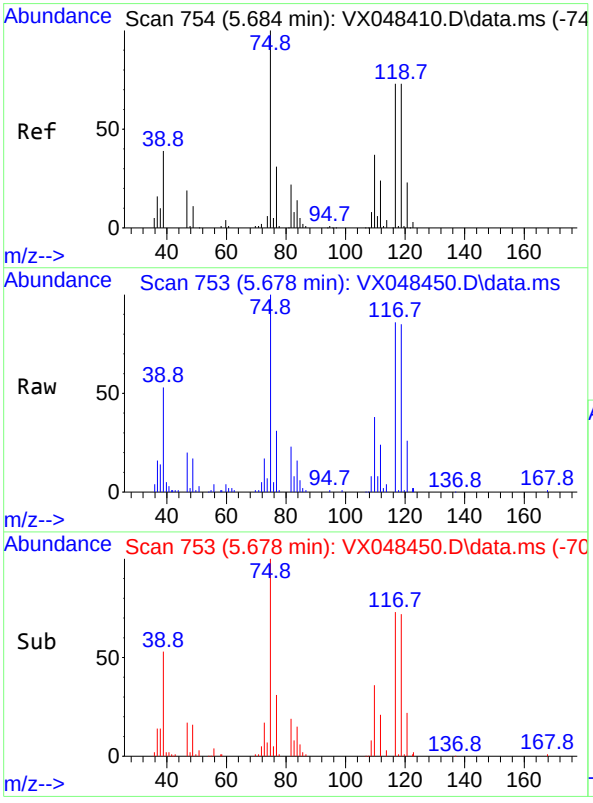
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	19.1	15.1	22.7



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

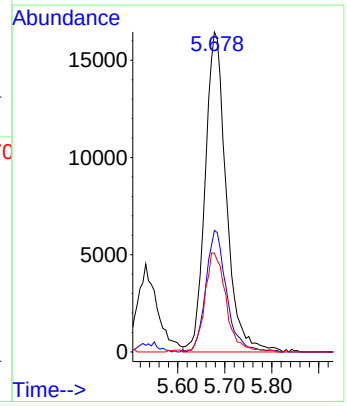
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

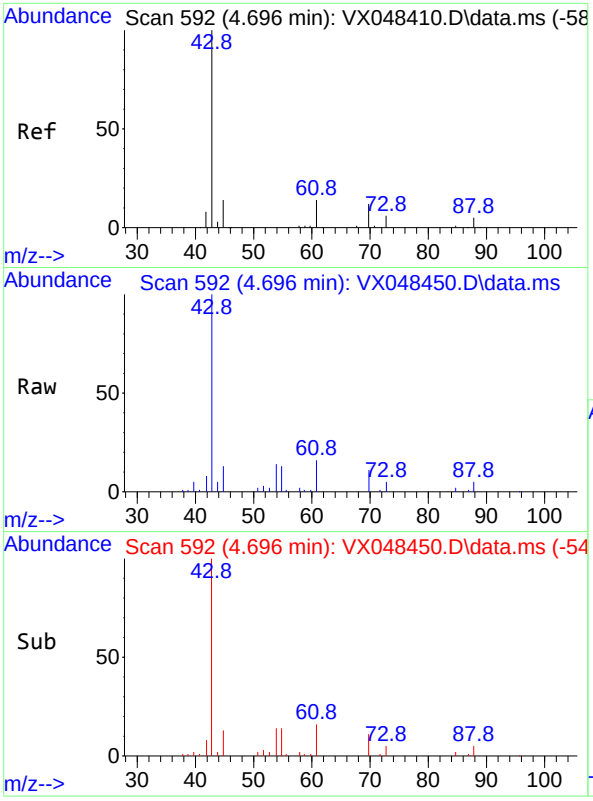


#36
1,1-Dichloropropene
Concen: 22.073 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 75 Resp: 51407

Ion	Ratio	Lower	Upper
75	100		
110	37.2	17.7	53.1
77	31.3	24.3	36.5

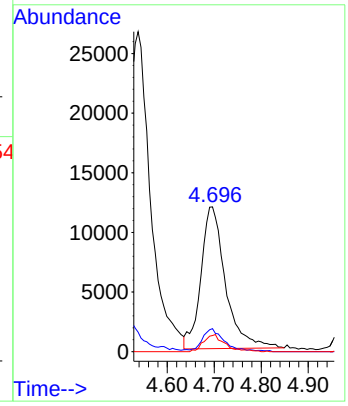




#37
Ethyl Acetate
Concen: 21.811 ug/l
RT: 4.696 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 4327

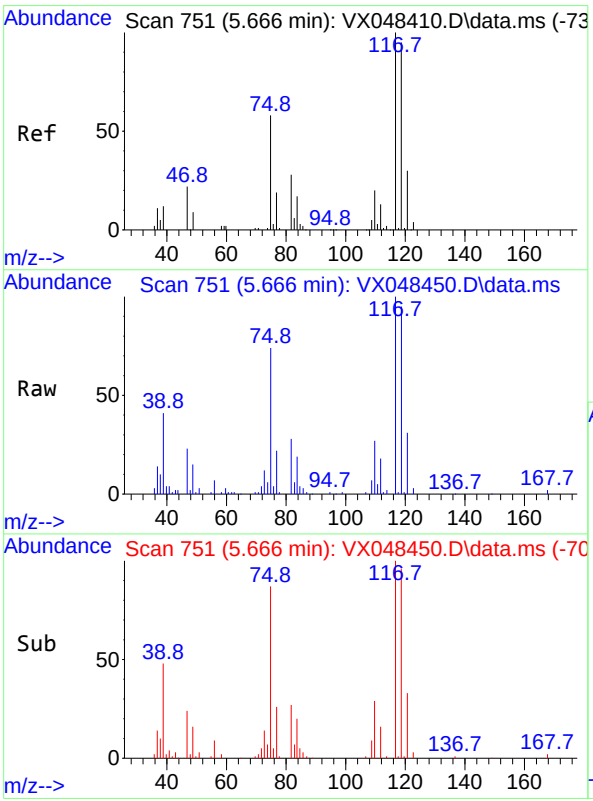
Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.6	15.8
70	10.4	7.8	11.6



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

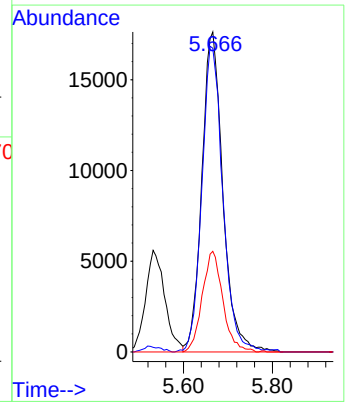
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

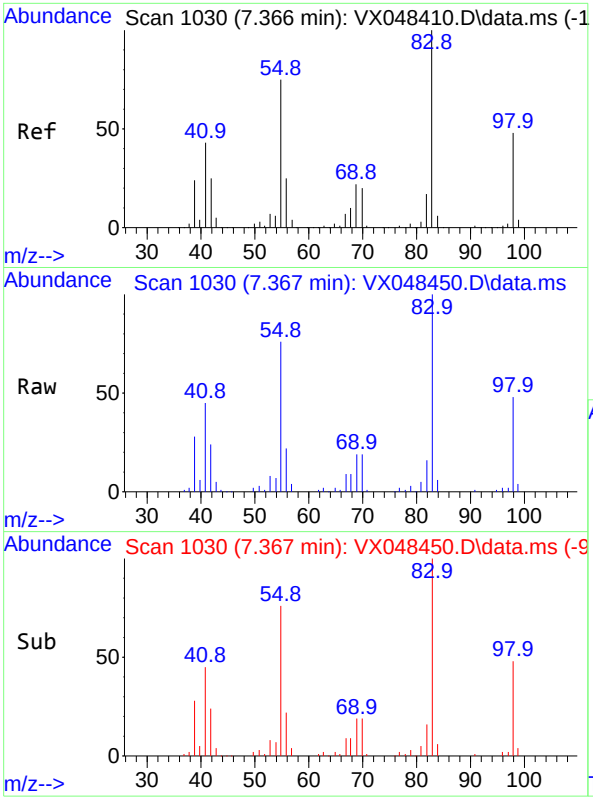


#38
Carbon Tetrachloride
Concen: 21.613 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:117 Resp: 58118

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.2	115.8
121	31.5	24.8	37.2

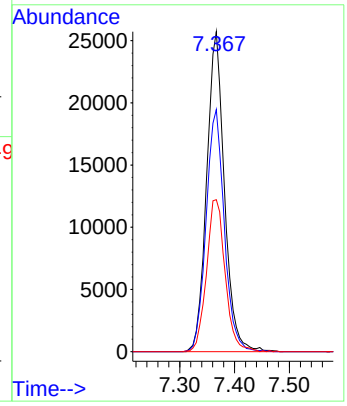




#39
Methylcyclohexane
Concen: 19.285 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 83 Resp: 5775

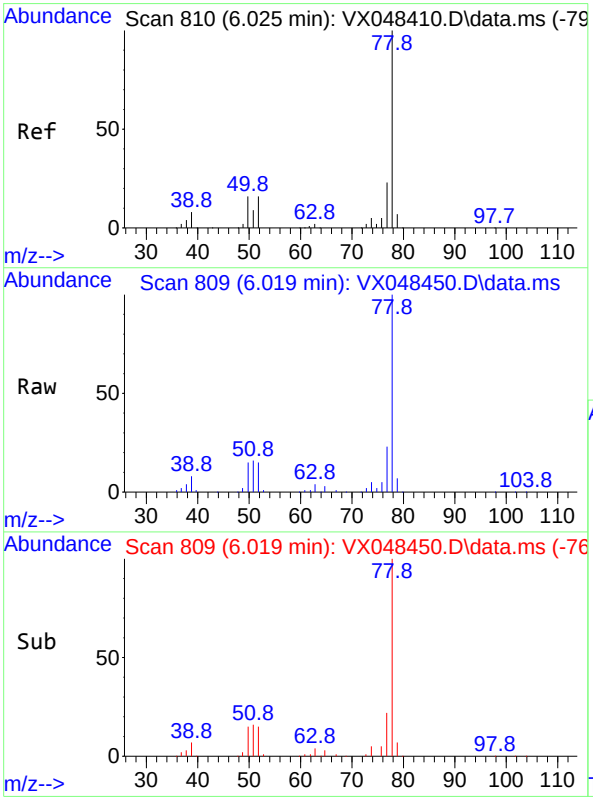
Ion	Ratio	Lower	Upper
83	100		
55	75.6	66.2	99.2
98	47.5	38.9	58.3



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

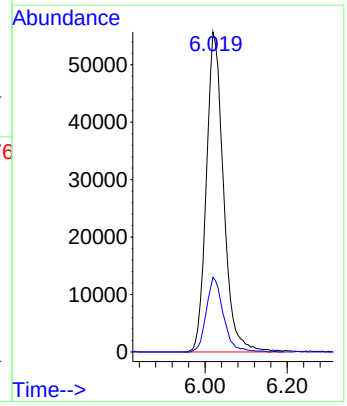
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

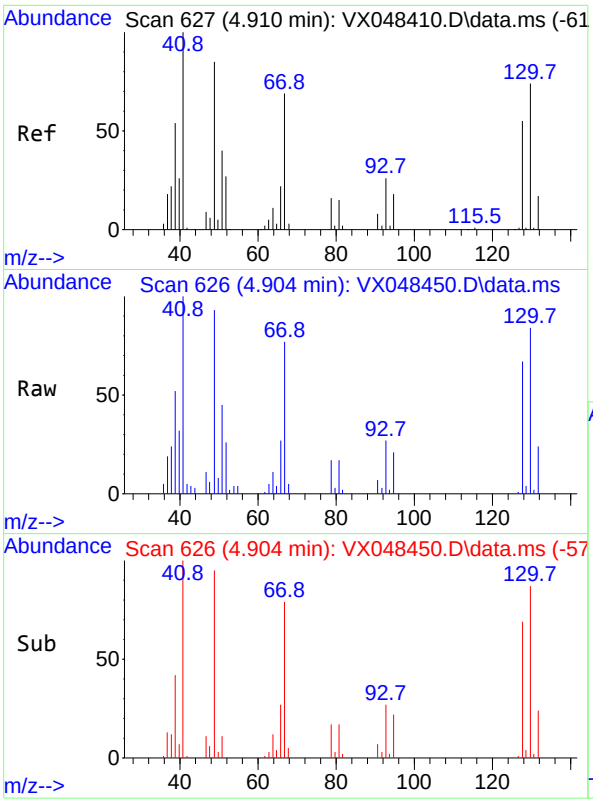


#40
Benzene
Concen: 22.755 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 78 Resp: 161903

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9

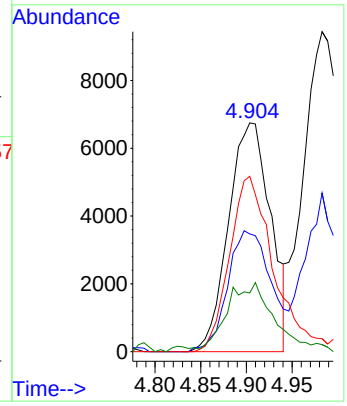




#41
Methacrylonitrile
Concen: 21.618 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 41 Resp: 2160

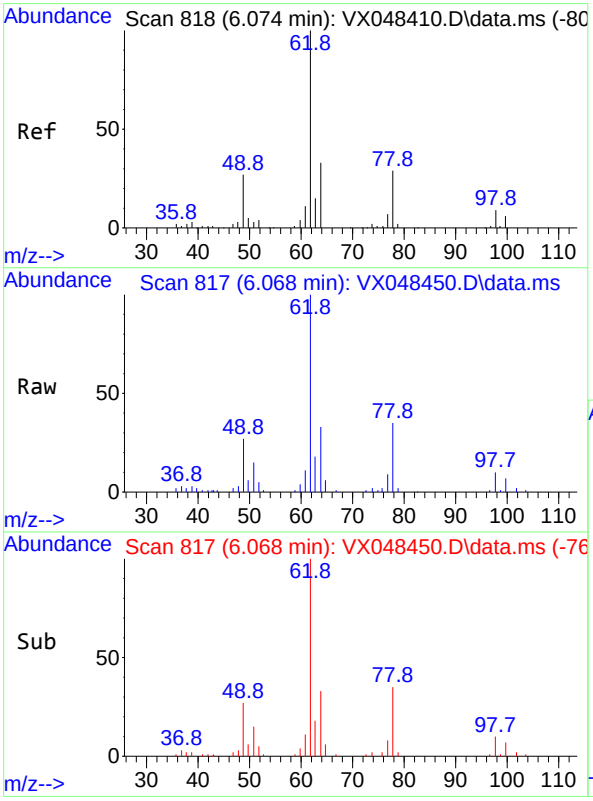
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.0	66.0
67	80.3	58.7	88.1
52	33.9	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

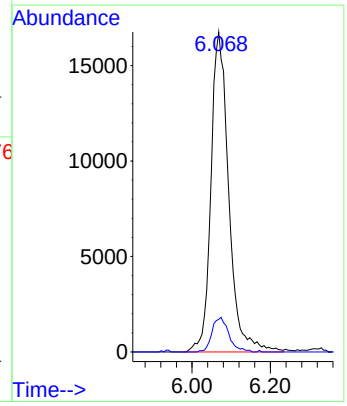
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

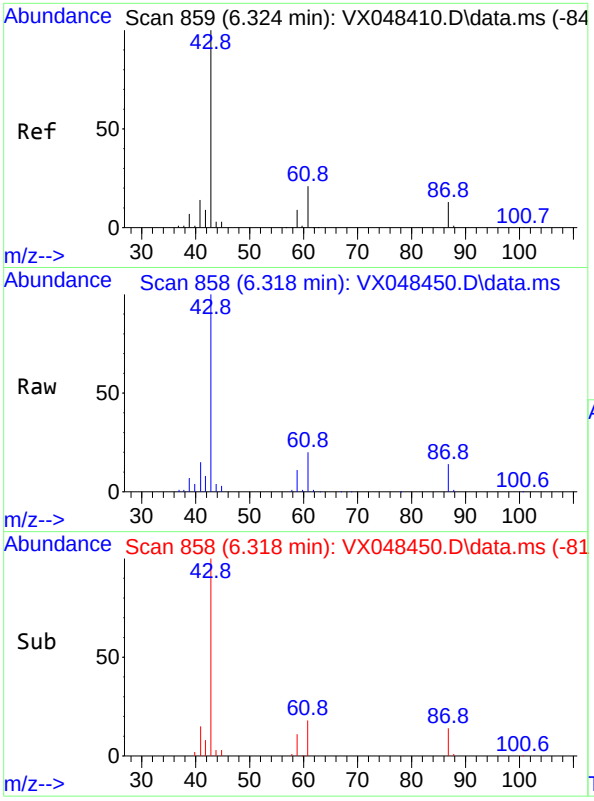


#42
1,2-Dichloroethane
Concen: 21.088 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 62 Resp: 52847

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	17.2

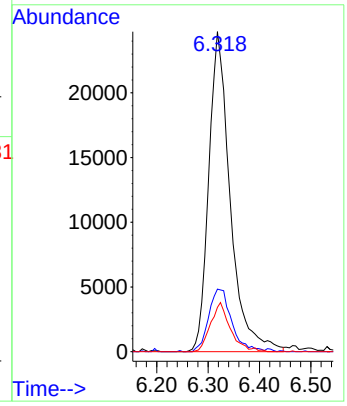




#43
Isopropyl Acetate
Concen: 21.870 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 7164

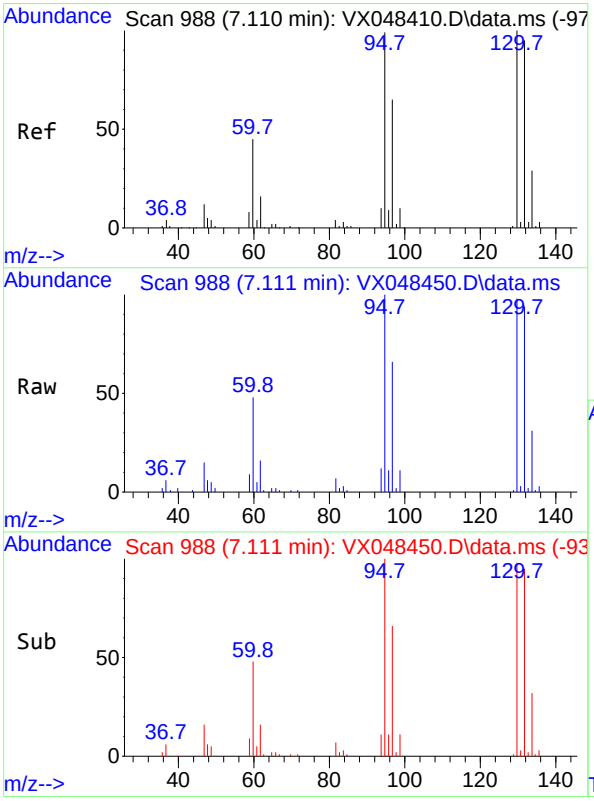
Ion	Ratio	Lower	Upper
43	100		
61	20.8	14.9	22.3
87	14.2	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

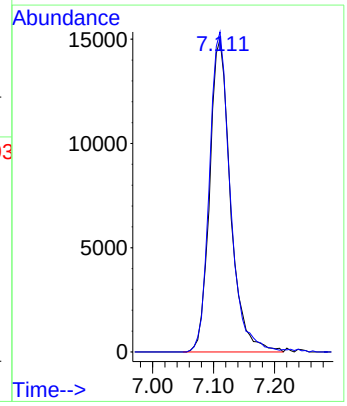
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

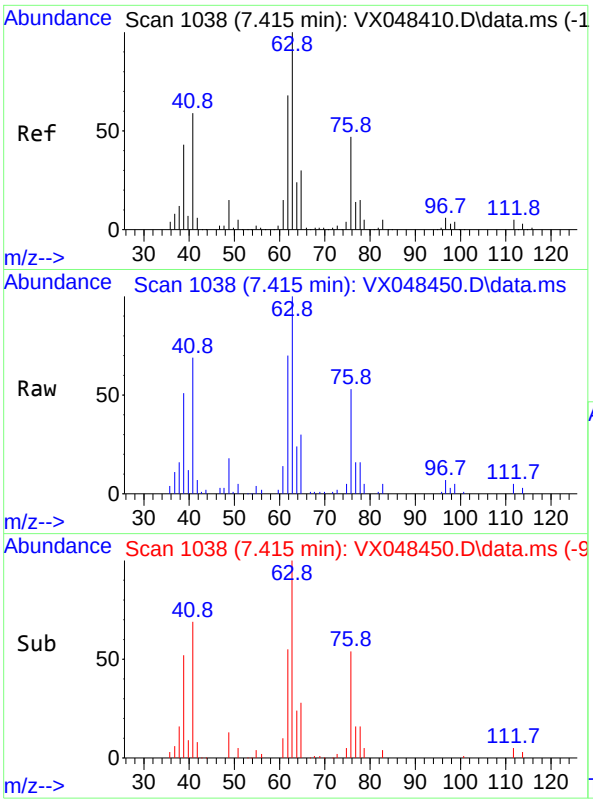


#44
Trichloroethene
Concen: 19.125 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:130 Resp: 35651

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	200.6

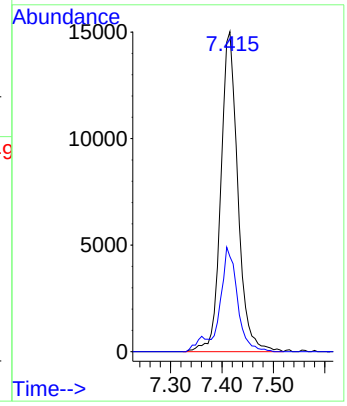




#45
1,2-Dichloropropane
Concen: 19.455 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 63 Resp: 3457

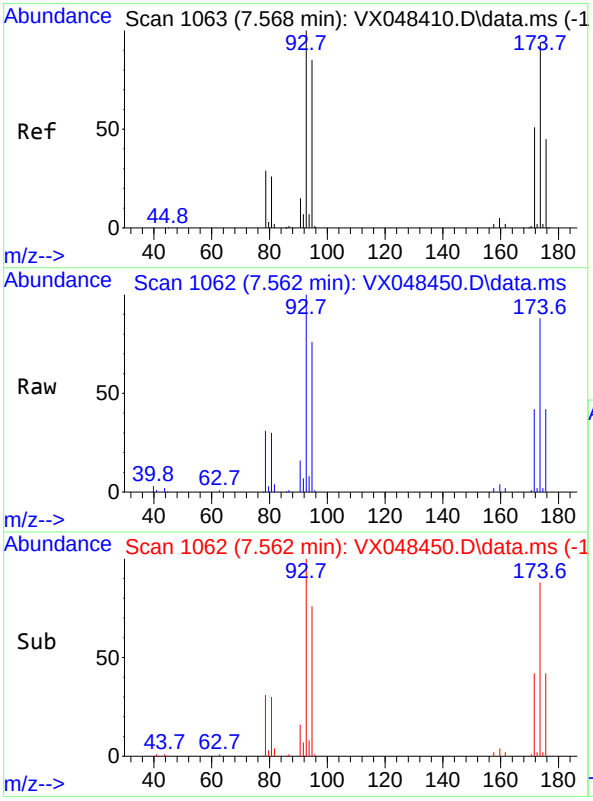
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

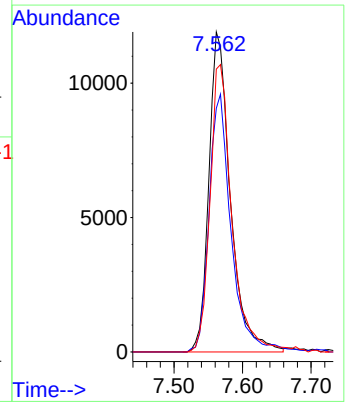
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

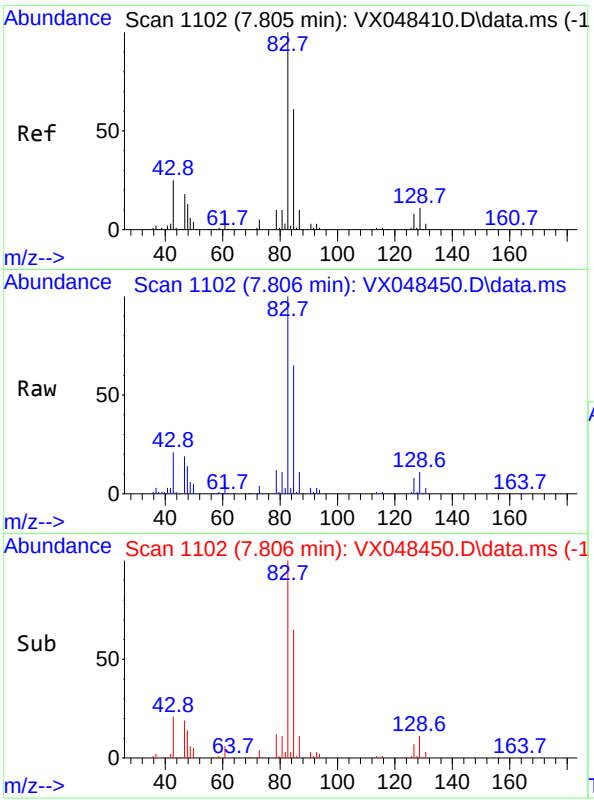


#46
Dibromomethane
Concen: 20.954 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 93 Resp: 26065

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.9	98.9
174	92.2	71.7	107.5

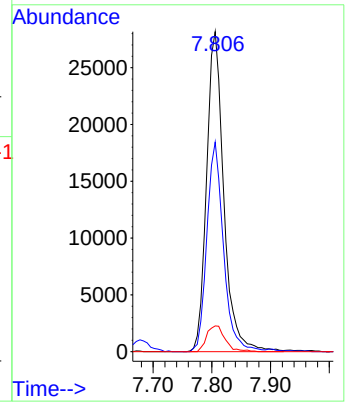




#47
Bromodichloromethane
Concen: 21.665 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 83 Resp: 5725

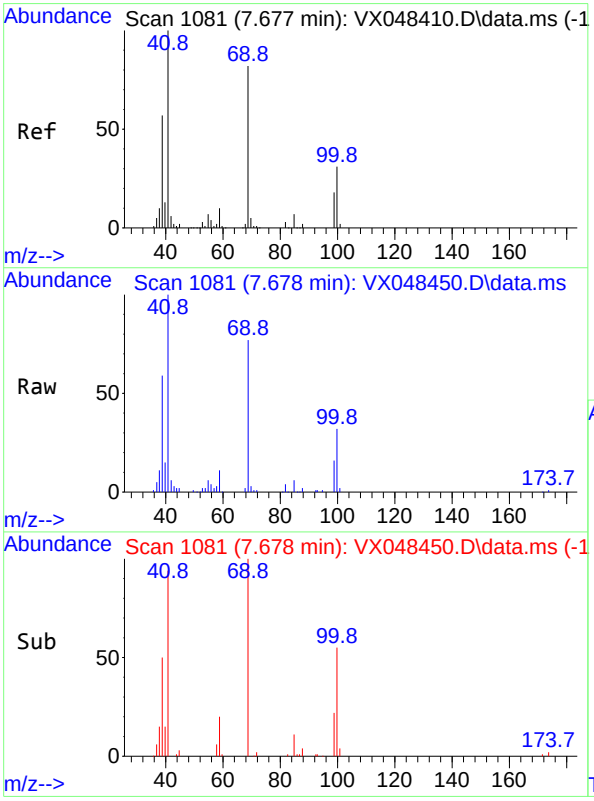
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.4
127	8.1	7.3	10.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

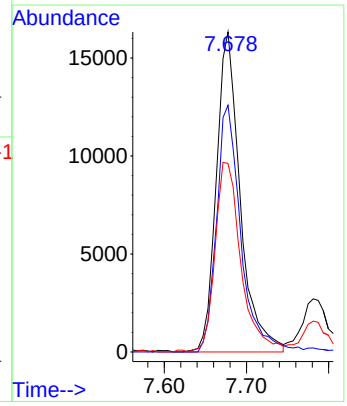
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

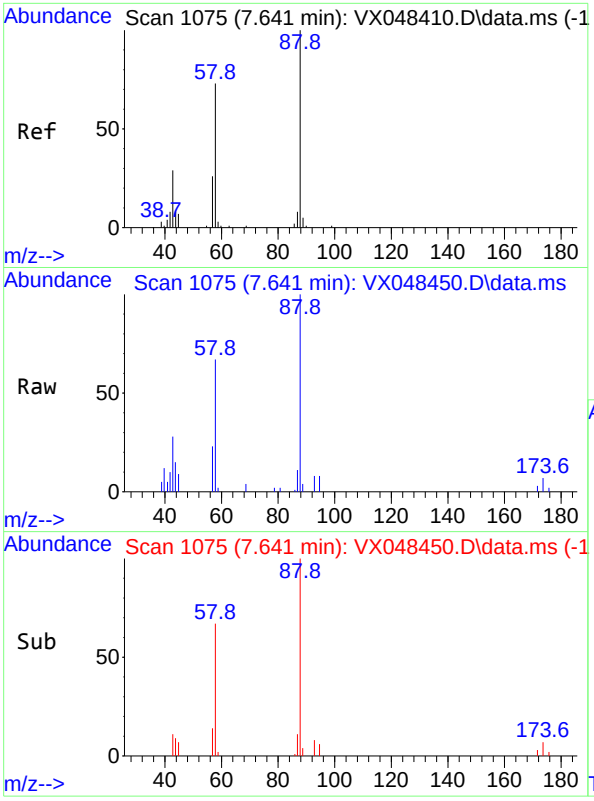


#48
Methyl methacrylate
Concen: 20.641 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 41 Resp: 32975

Ion	Ratio	Lower	Upper
41	100		
69	78.6	63.4	95.0
39	64.0	47.1	70.7

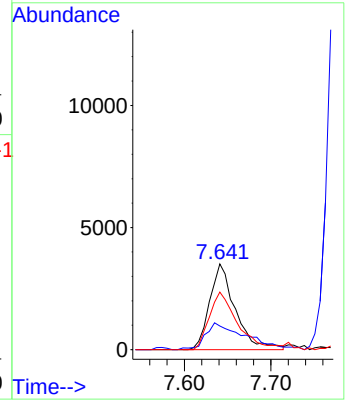




#49
1,4-Dioxane
Concen: 398.005 ug/l
RT: 7.641 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 88 Resp: 722

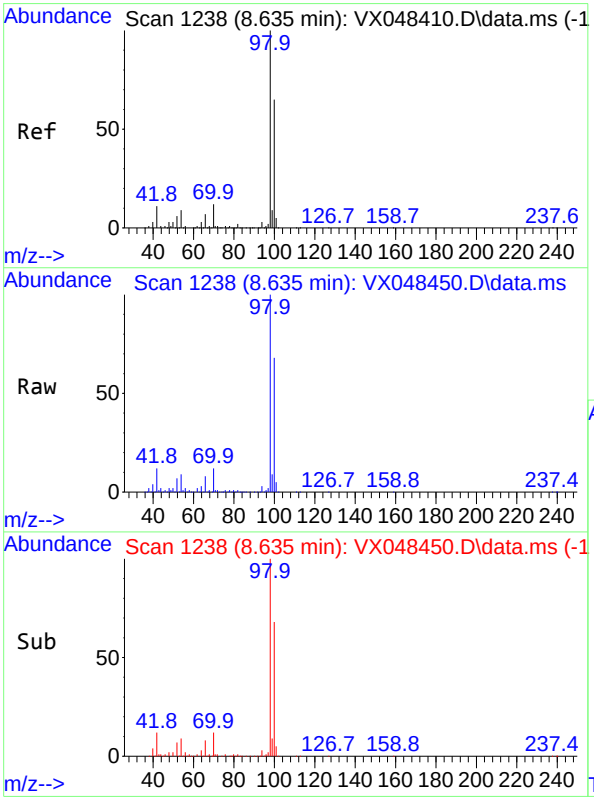
Ion	Ratio	Lower	Upper
88	100		
43	48.8	35.0	52.4
58	73.6	61.9	92.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

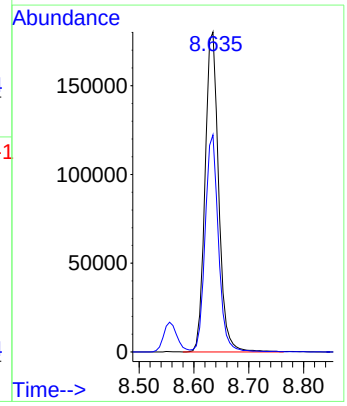
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

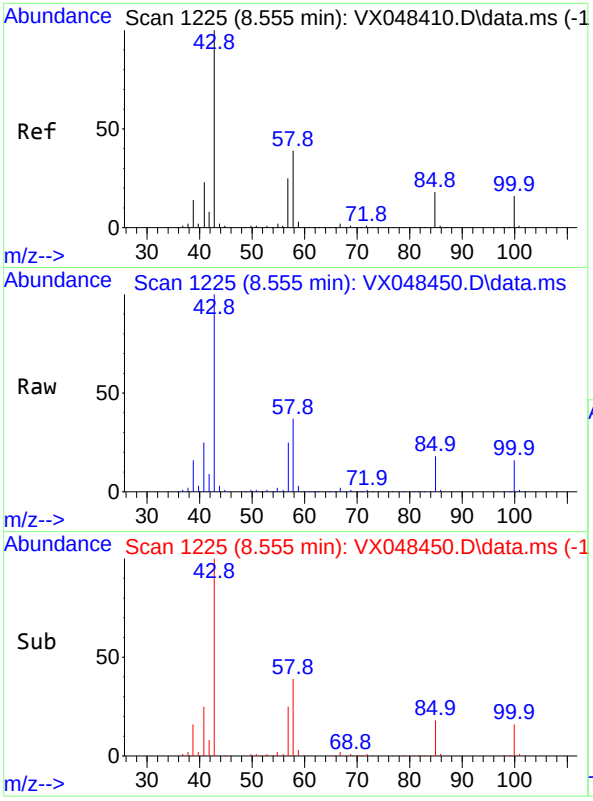


#50
Toluene-d8
Concen: 50.663 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 98 Resp: 310153

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4

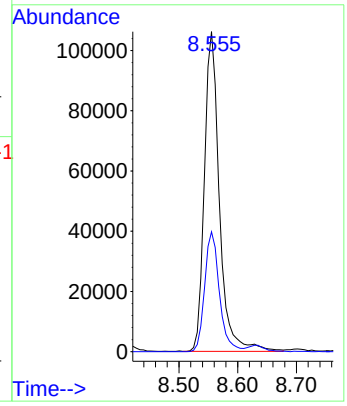




#51
4-Methyl-2-Pentanone
Concen: 103.625 ug/l
RT: 8.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 18892

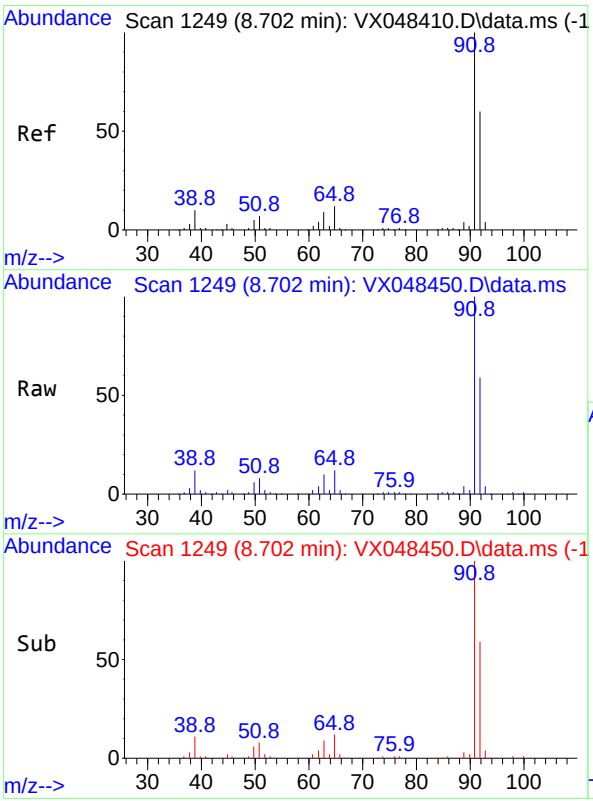
Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

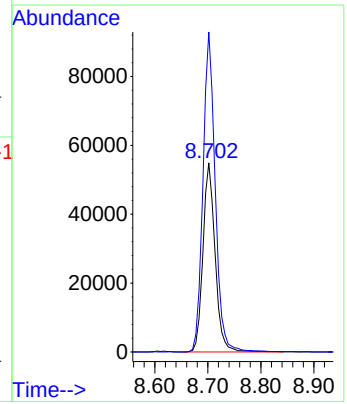
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

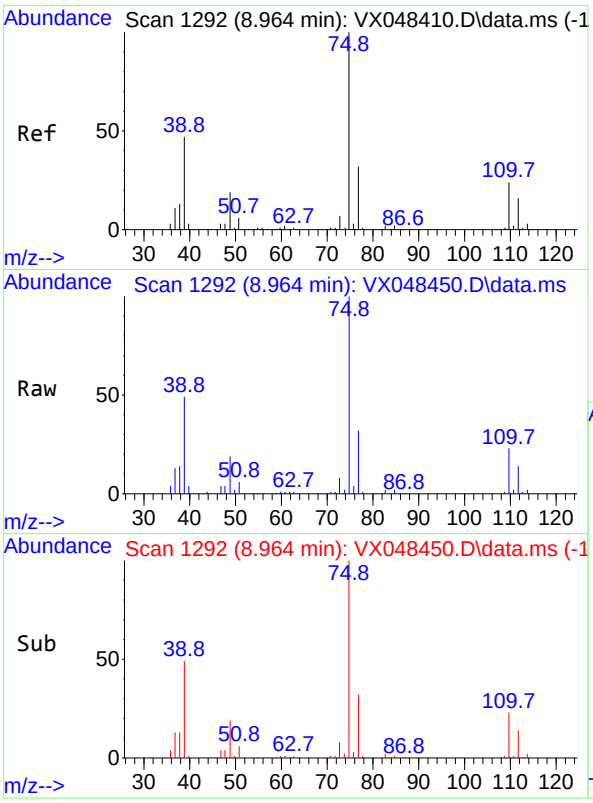


#52
Toluene
Concen: 19.680 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 92 Resp: 87495

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.1	204.1

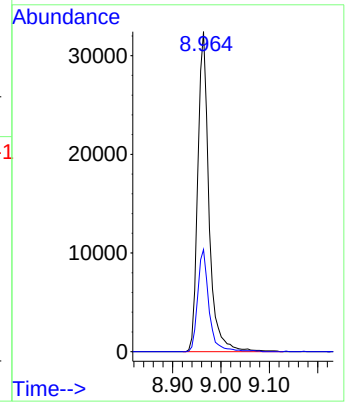




#53
t-1,3-Dichloropropene
Concen: 21.717 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 75 Resp: 5202

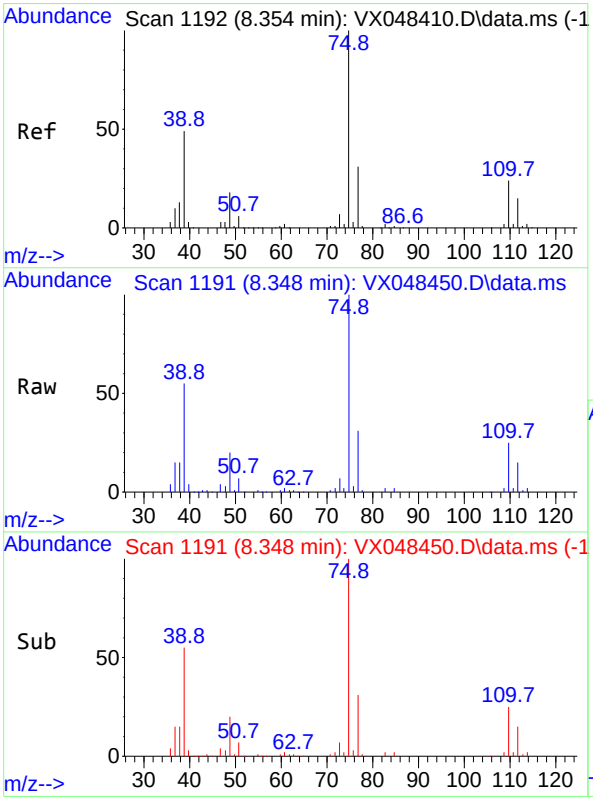
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

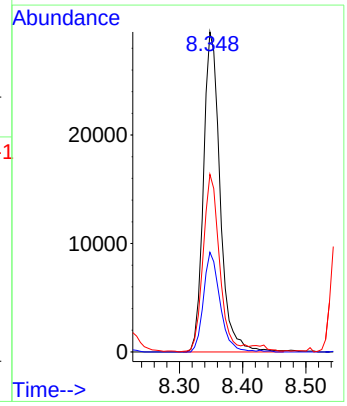
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

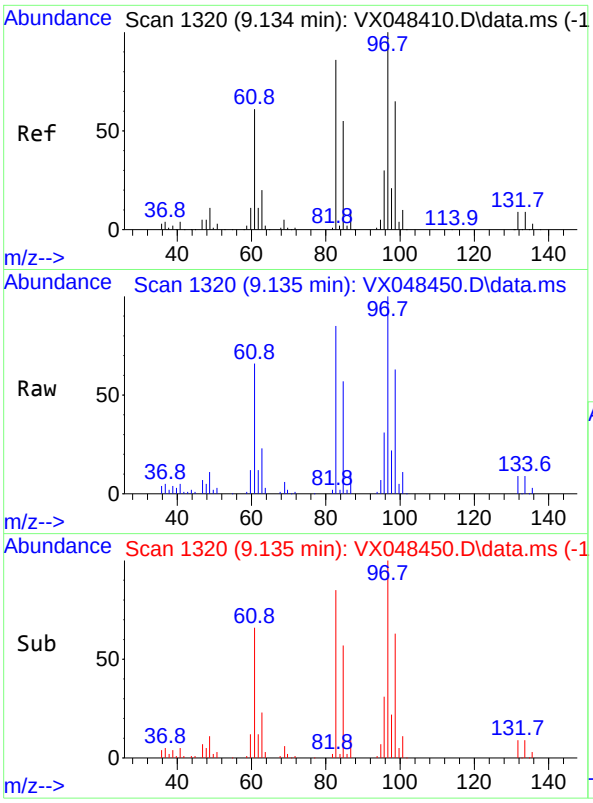


#54
cis-1,3-Dichloropropene
Concen: 20.981 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 75 Resp: 54151

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.9	37.3
39	54.3	42.6	64.0

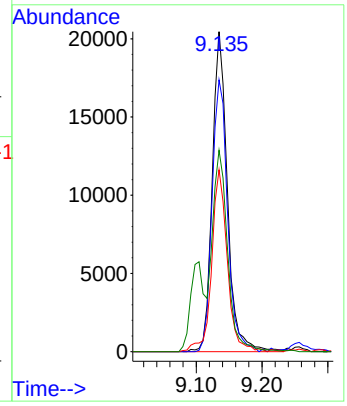




#55
1,1,2-Trichloroethane
Concen: 20.398 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 97 Resp: 3281

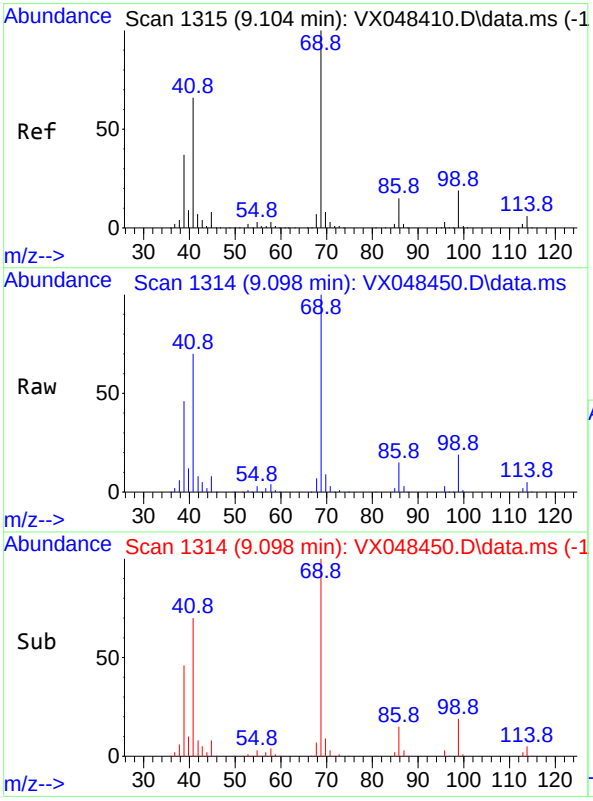
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.6	105.8
85	56.8	45.0	67.6
99	62.6	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

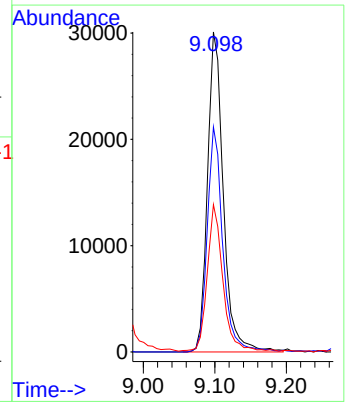
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

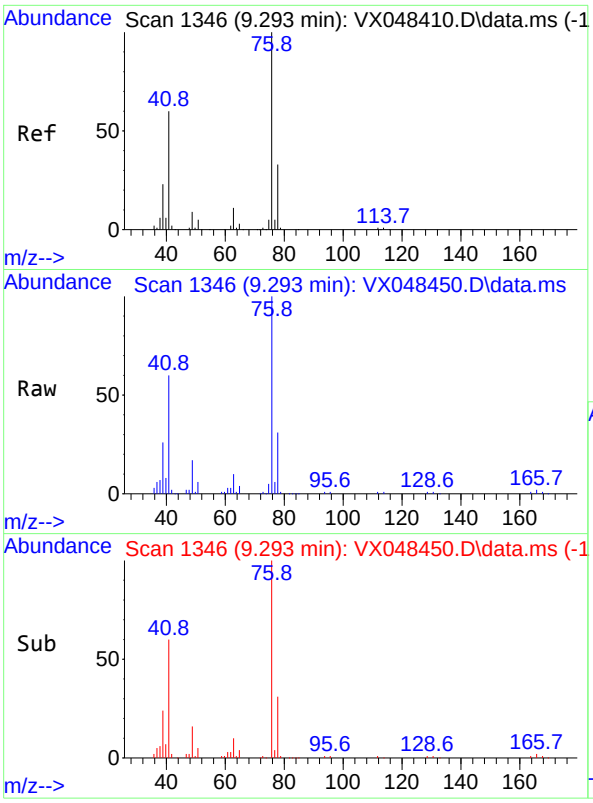


#56
Ethyl methacrylate
Concen: 19.670 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 69 Resp: 46338

Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.0	84.0
39	45.3	31.6	47.4

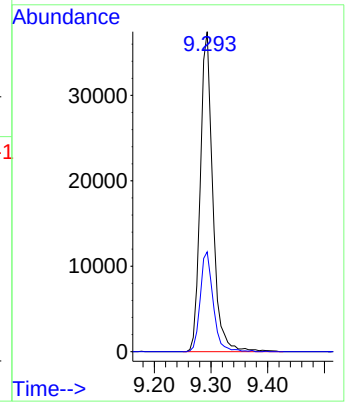




#57
1,3-Dichloropropane
Concen: 20.518 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 76 Resp: 5723

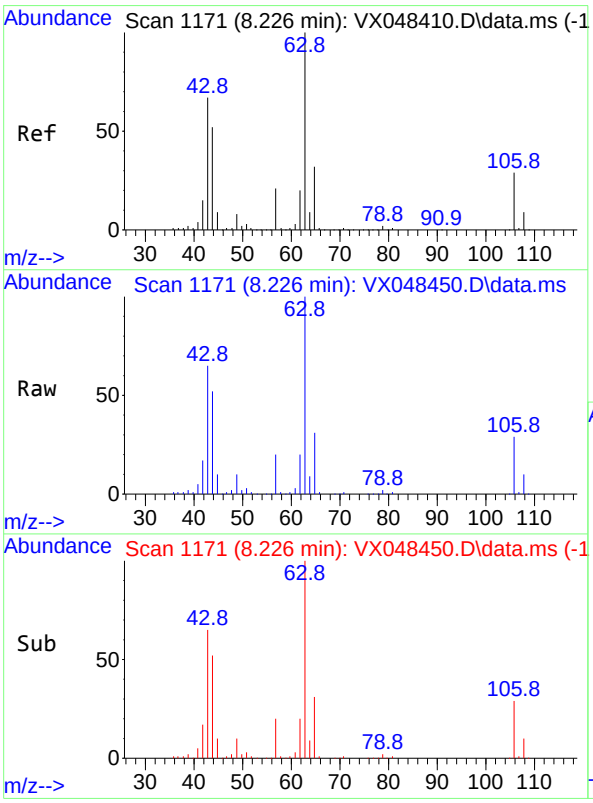
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

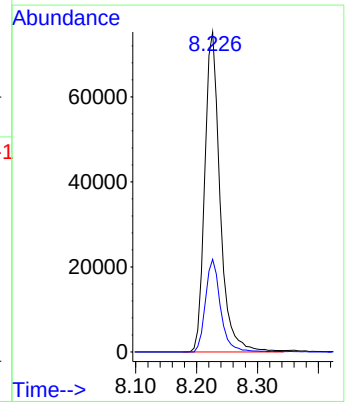
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

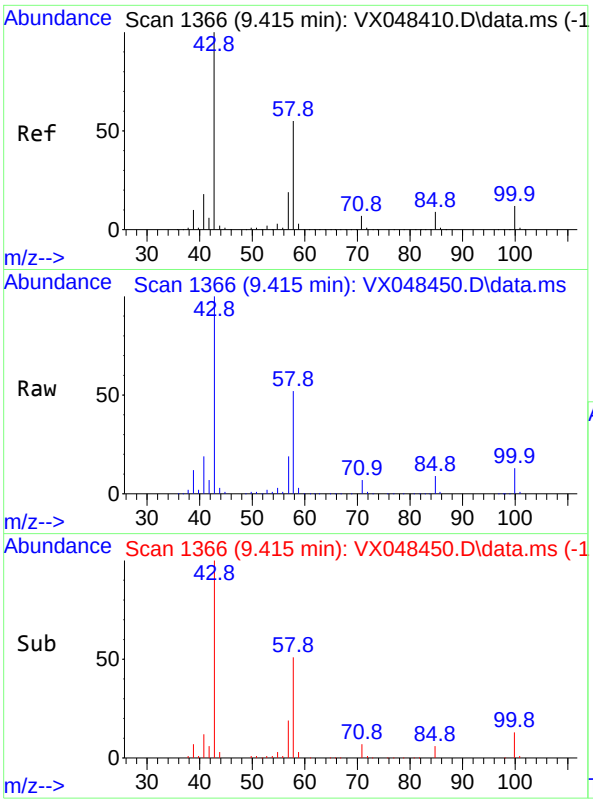


#58
2-Chloroethyl Vinyl ether
Concen: 99.496 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 63 Resp: 131453

Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.2	33.2

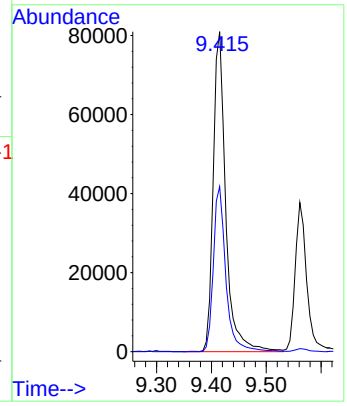




#59
2-Hexanone
Concen: 108.062 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 12819

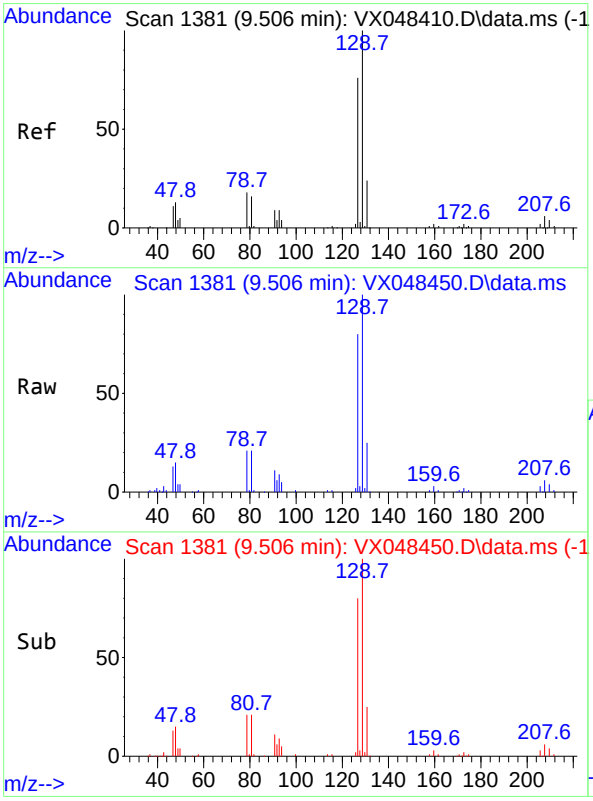
Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.3	78.8



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

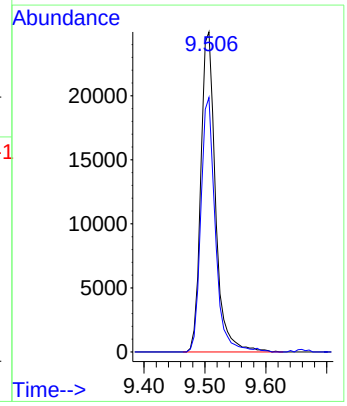
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

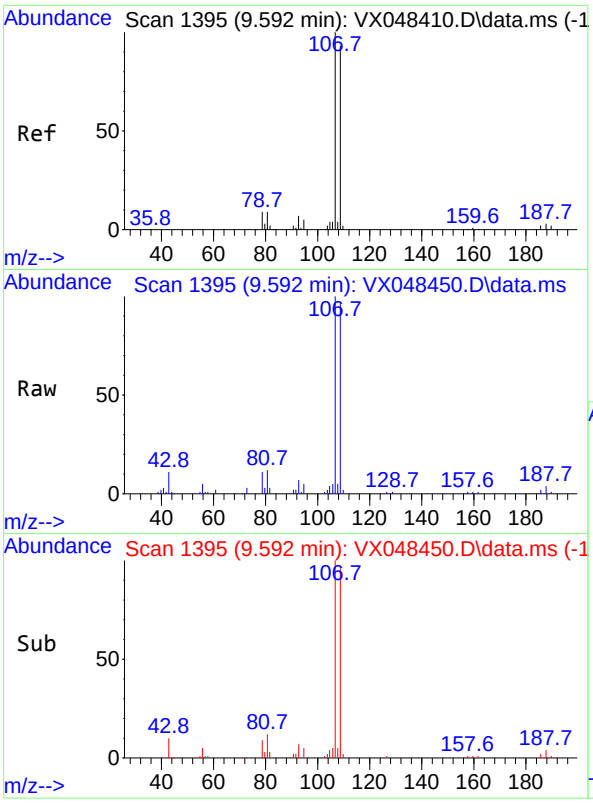


#60
Dibromochloromethane
Concen: 21.033 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:129 Resp: 41852

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.7





#61
1,2-Dibromoethane
Concen: 20.762 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

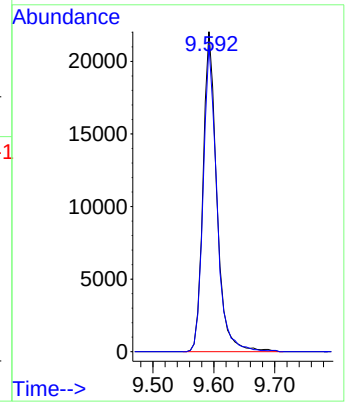
Tgt Ion:107 Resp: 3455

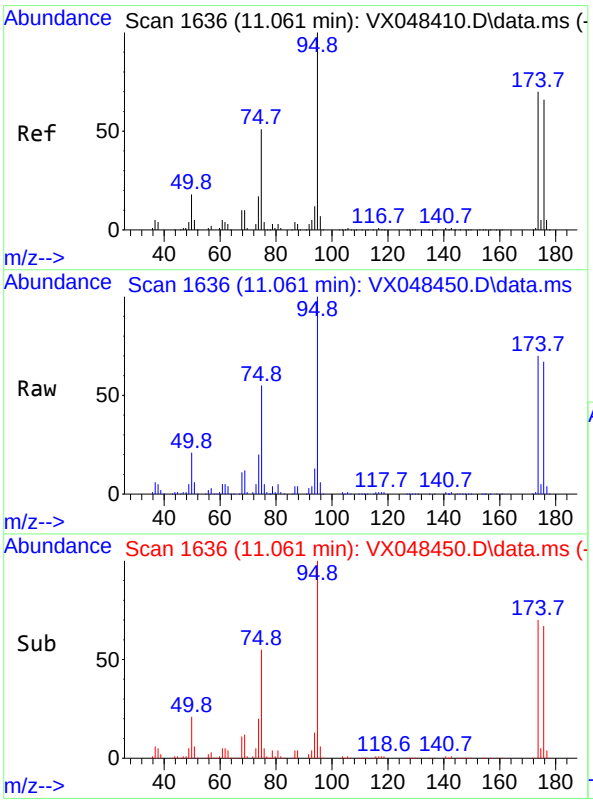
Ion	Ratio	Lower	Upper
107	100		
109	95.3	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

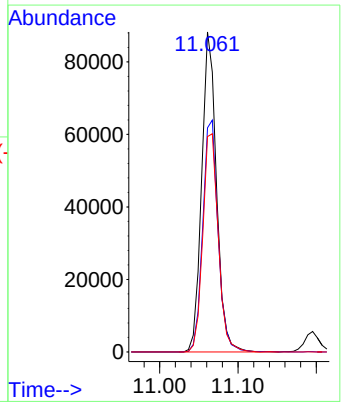


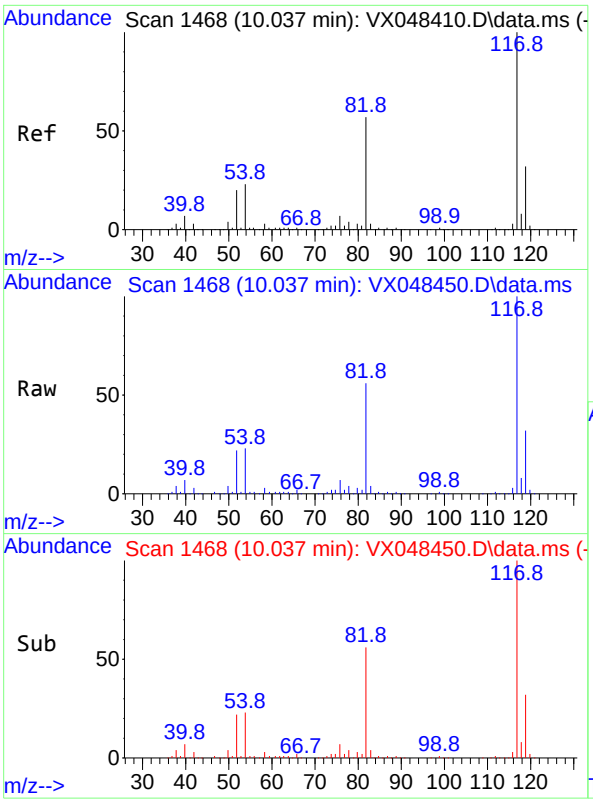


#62
4-Bromofluorobenzene
Concen: 50.546 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 95 Resp: 115754

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	147.8
176	71.4	0.0	142.8

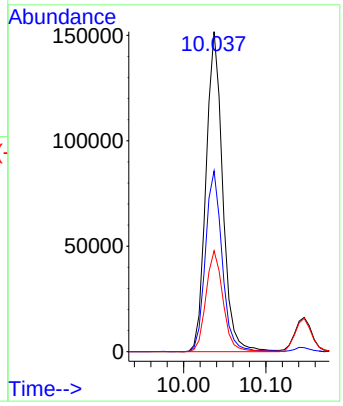




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:117 Resp: 213899

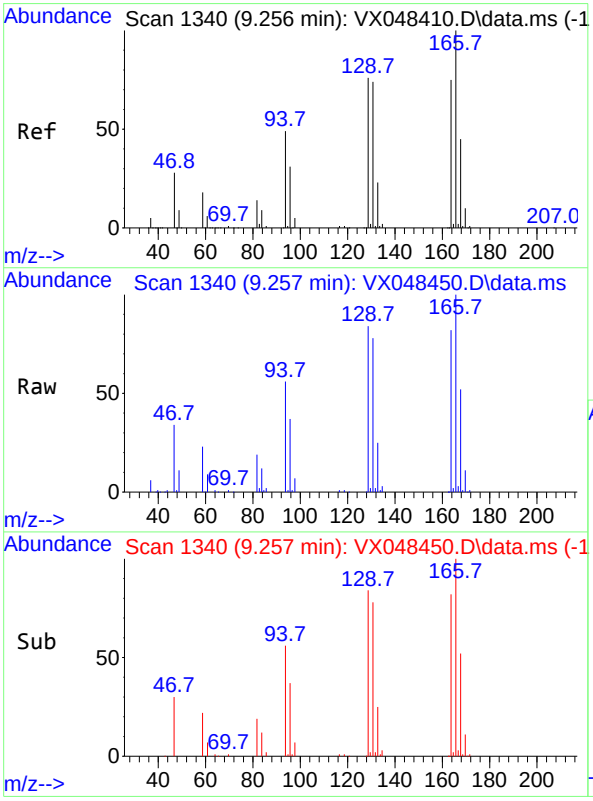
Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.5	69.7
119	31.6	25.9	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

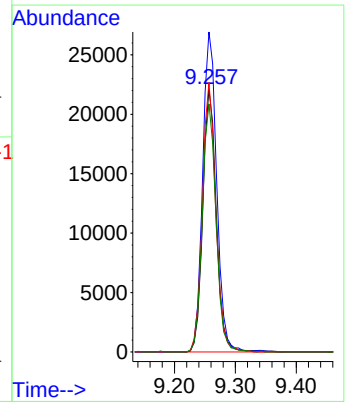
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

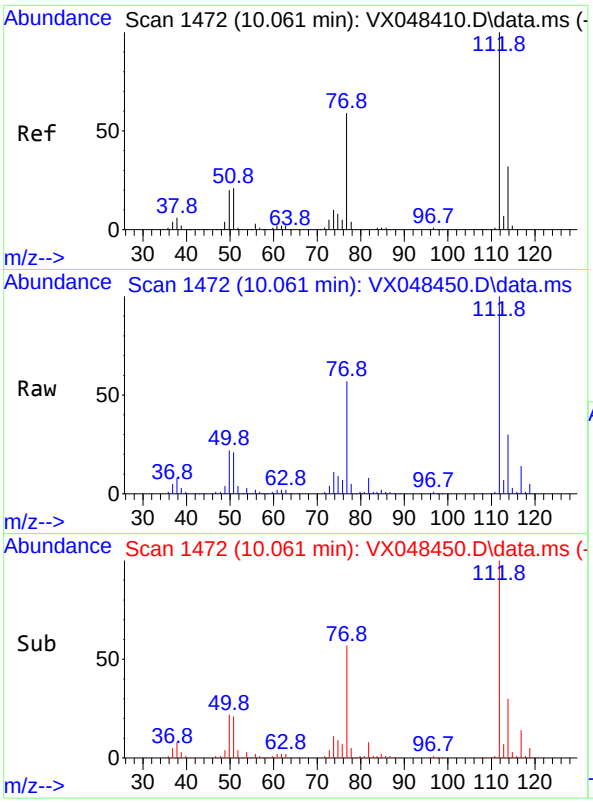


#64
Tetrachloroethene
Concen: 19.852 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:164 Resp: 34197

Ion	Ratio	Lower	Upper
164	100		
166	121.8	104.5	156.7
129	102.6	81.8	122.6
131	94.5	77.0	115.6

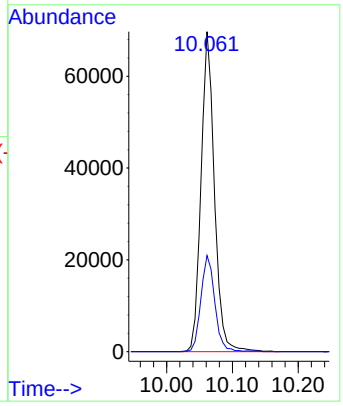




#65
Chlorobenzene
Concen: 19.980 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:112 Resp: 9845

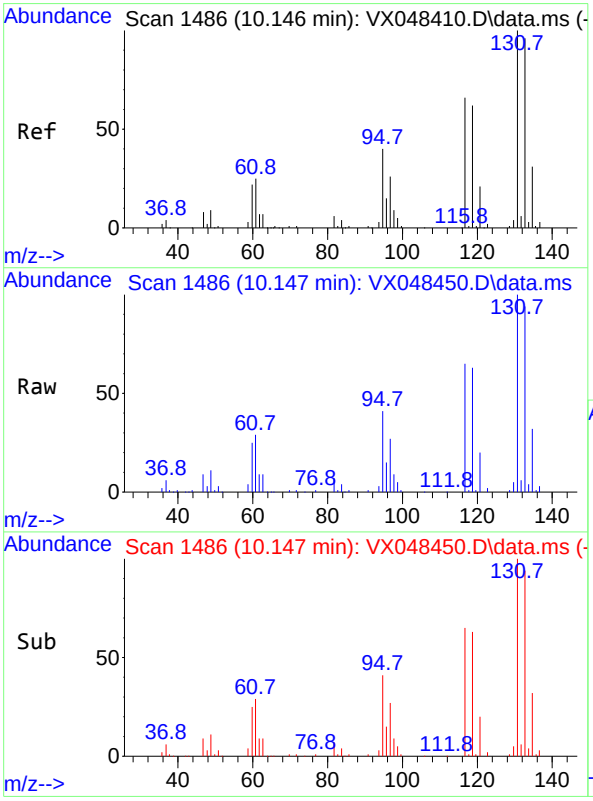
Ion	Ratio	Lower	Upper
112	100		
114	30.1	26.2	39.2



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

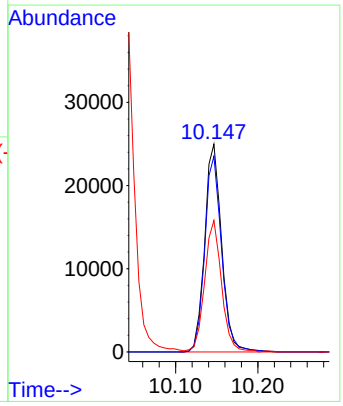
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

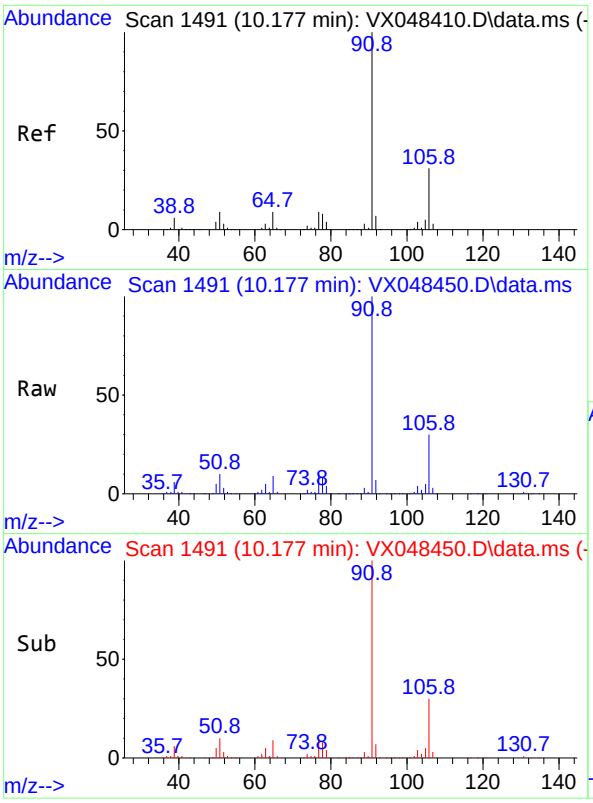


#66
1,1,1,2-Tetrachloroethane
Concen: 21.348 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:131 Resp: 35783

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.6	142.8
119	63.1	32.5	97.5

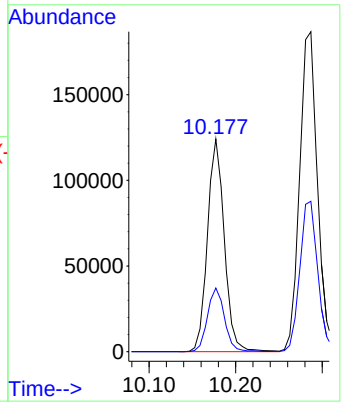




#67
Ethyl Benzene
Concen: 20.257 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 91 Resp: 16807

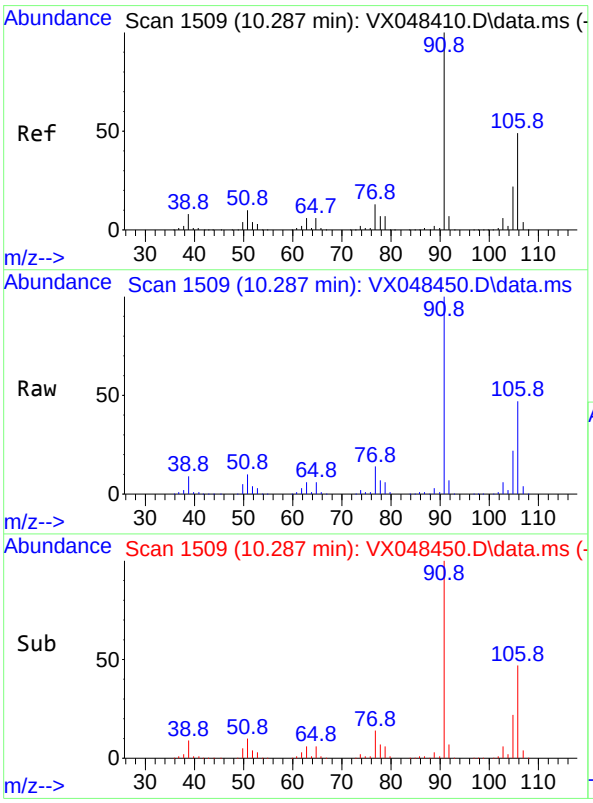
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

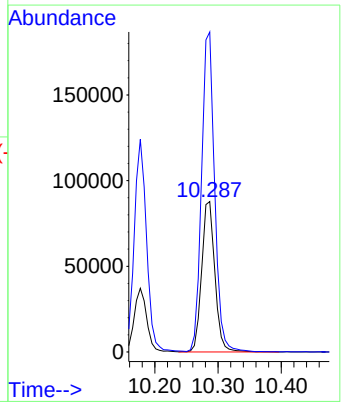
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

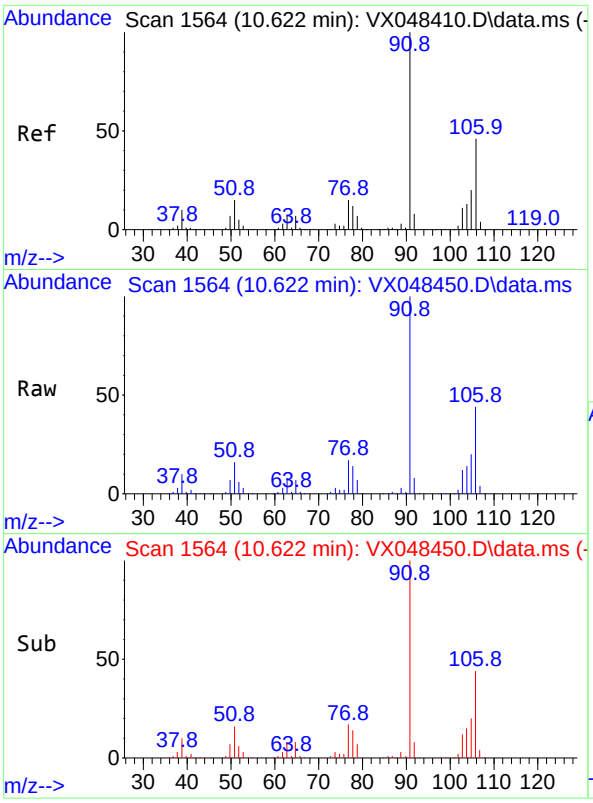


#68
m/p-Xylenes
Concen: 40.684 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:106 Resp: 127810

Ion	Ratio	Lower	Upper
106	100		
91	210.7	167.9	251.9

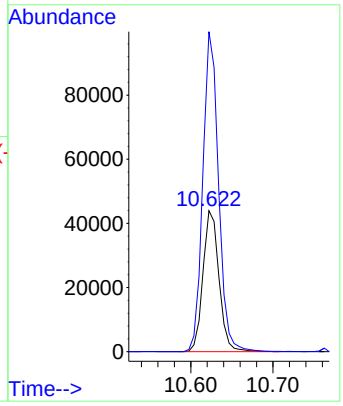




#69
o-Xylene
Concen: 19.793 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:106 Resp: 5942

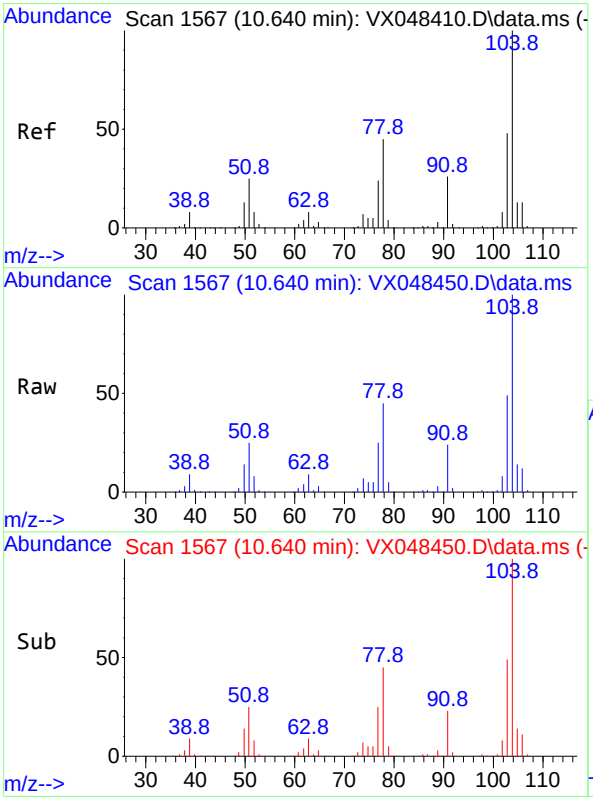
Ion	Ratio	Lower	Upper
106	100		
91	222.8	111.3	333.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

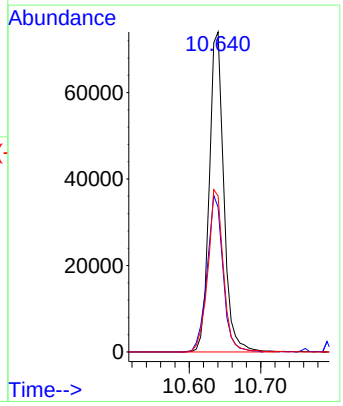
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

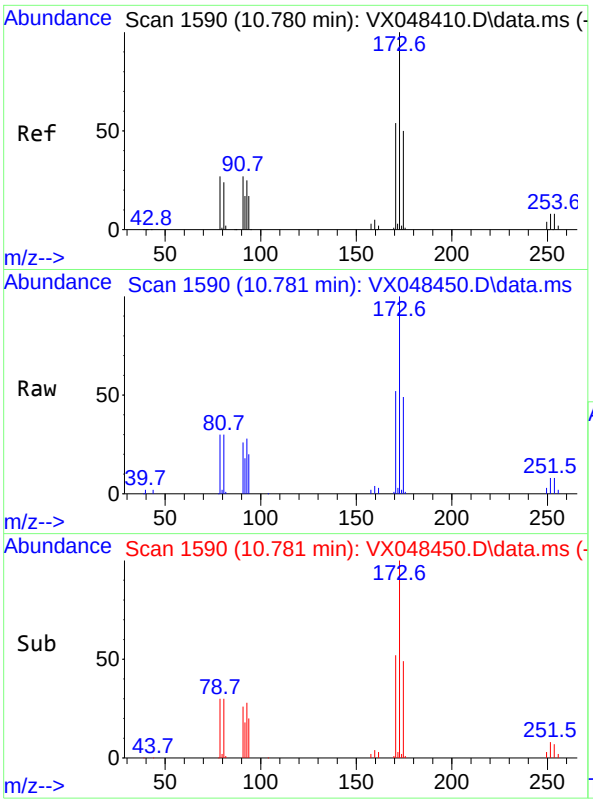


#70
Styrene
Concen: 20.570 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:104 Resp: 104613

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.2	63.4
103	54.0	43.0	64.4

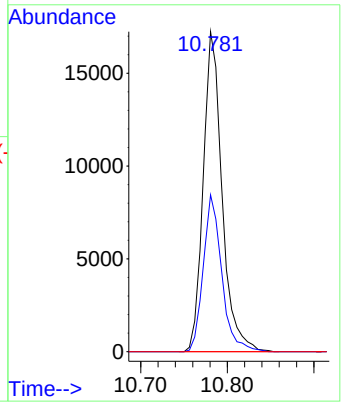




#71
Bromoform
Concen: 21.484 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:173 Resp: 2605

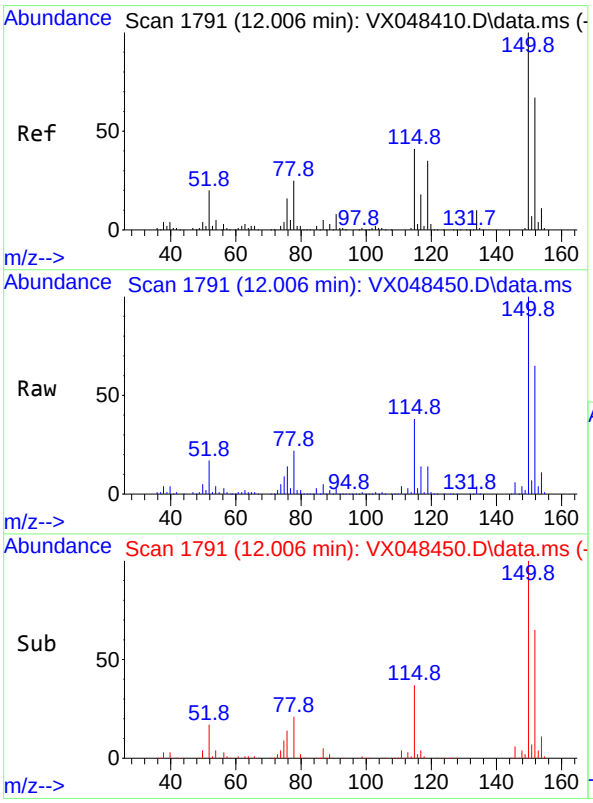
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.0	72.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

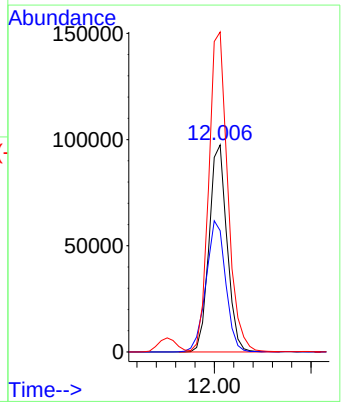
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

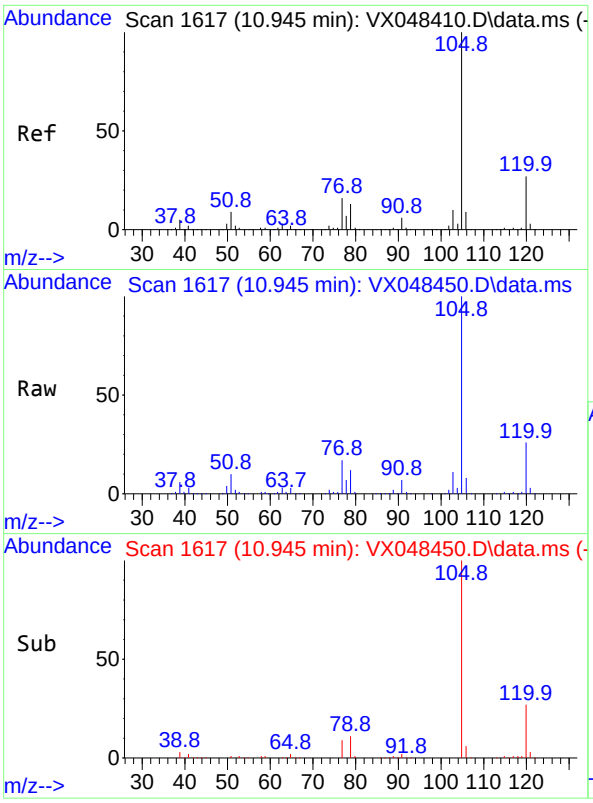


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:152 Resp: 125216

Ion	Ratio	Lower	Upper
152	100		
115	69.6	43.1	129.4
150	163.5	0.0	353.0

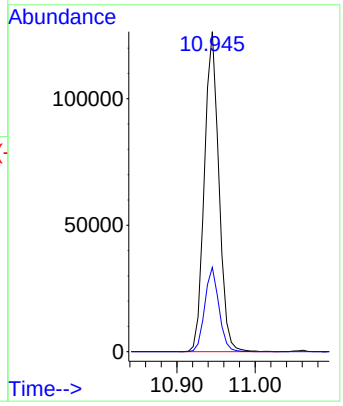




#73
Isopropylbenzene
Concen: 17.509 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:105 Resp: 16215

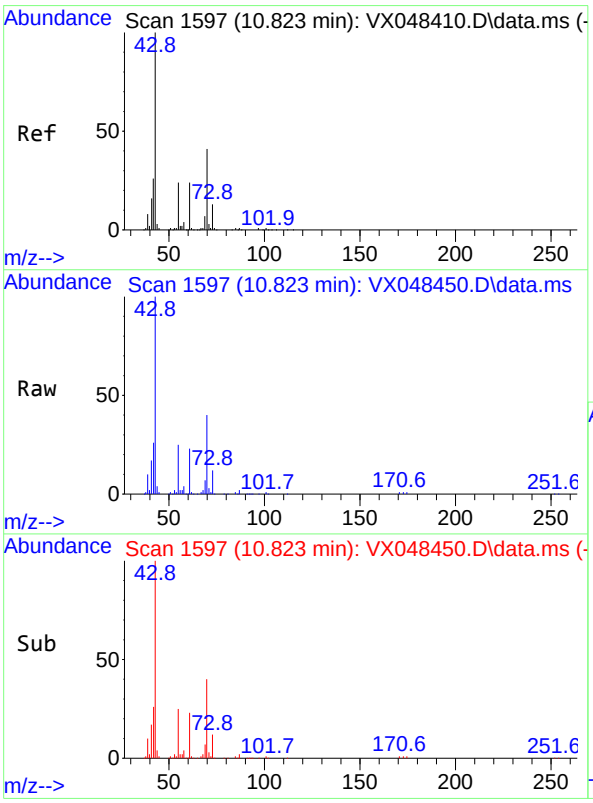
Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	38.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

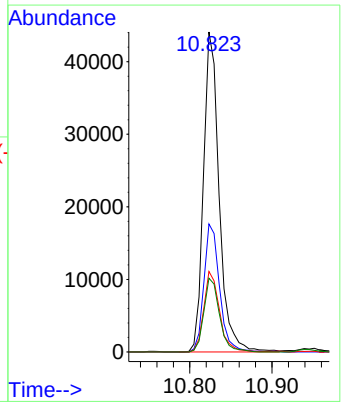
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

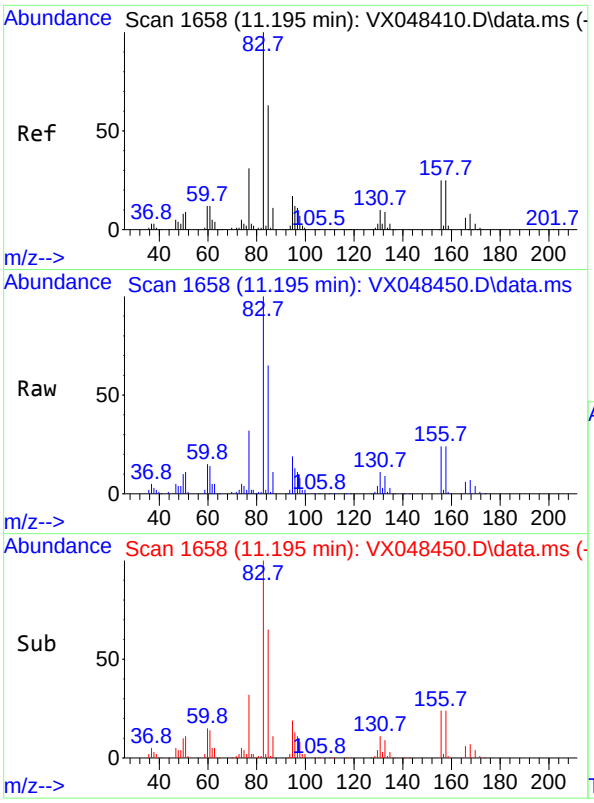


#74
N-amyl acetate
Concen: 17.707 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 43 Resp: 58503

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.2	48.2
55	25.2	19.1	28.7
61	23.0	18.6	28.0

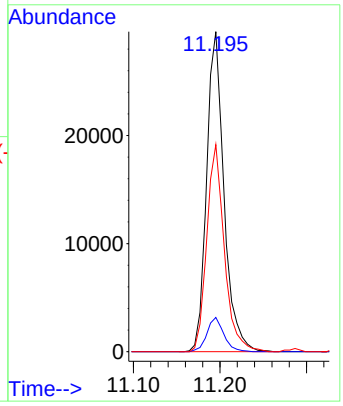




#75
1,1,2,2-Tetrachloroethane
Concen: 17.557 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 83 Resp: 4118

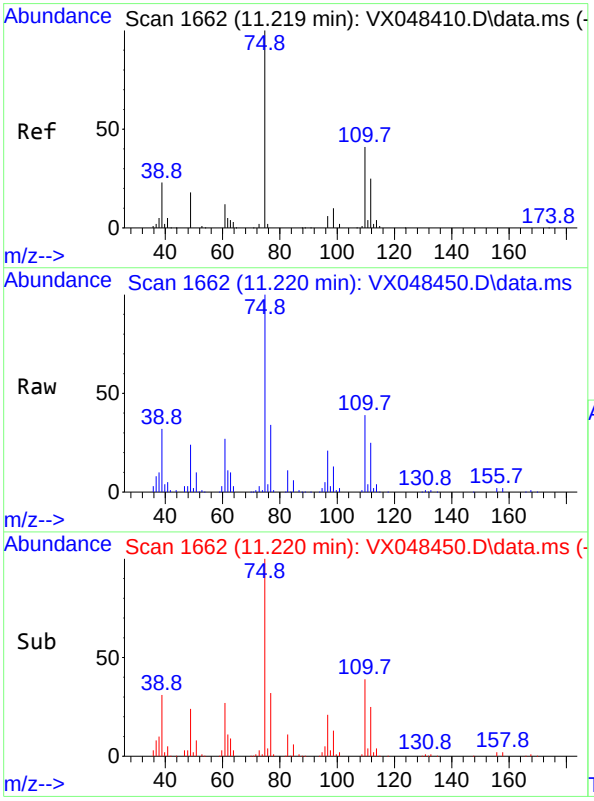
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	65.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

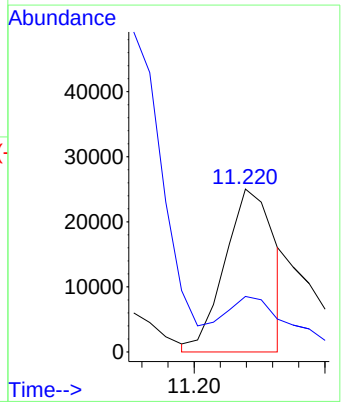
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

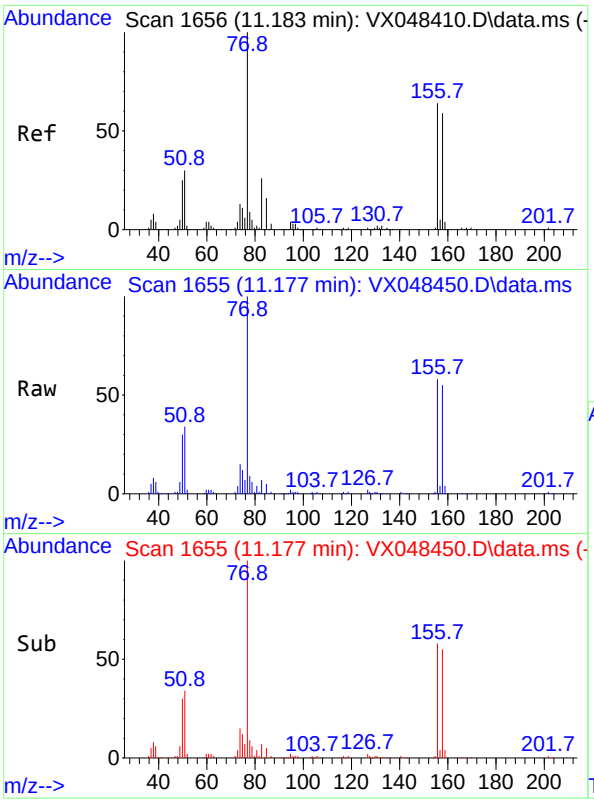


#76
1,2,3-Trichloropropane
Concen: 18.256 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 75 Resp: 32874

Ion	Ratio	Lower	Upper
75	100		
77	43.4	22.4	67.2

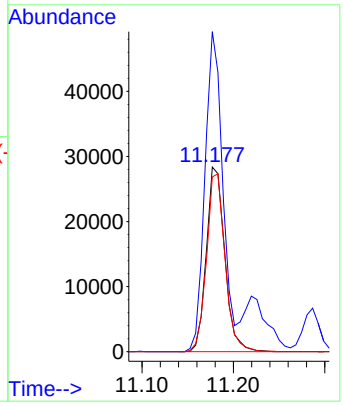




#77
Bromobenzene
Concen: 17.314 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:156 Resp: 3961

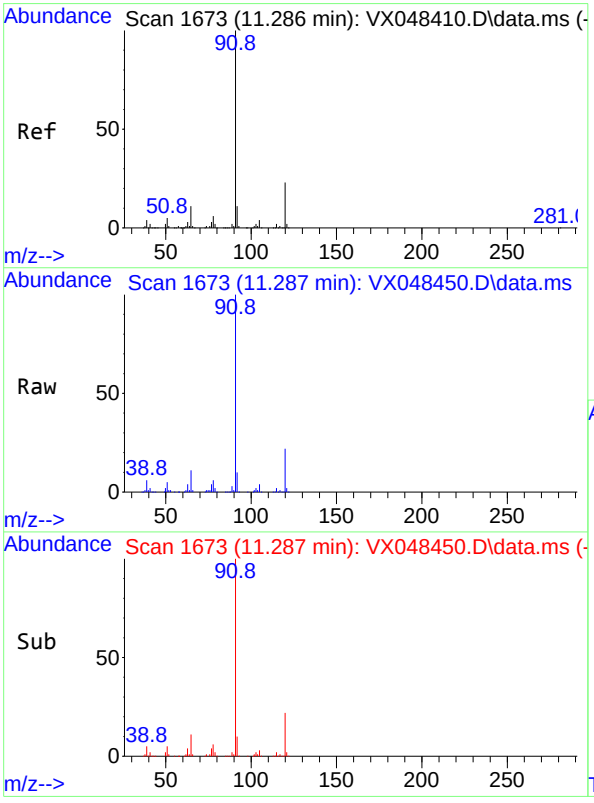
Ion	Ratio	Lower	Upper
156	100		
77	170.2	87.0	261.0
158	97.2	47.8	143.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

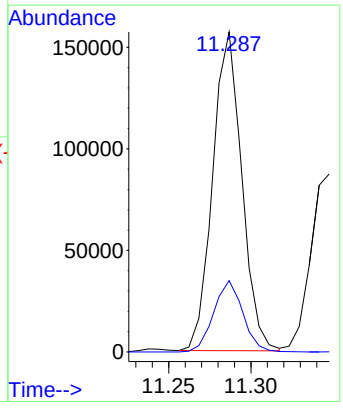
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

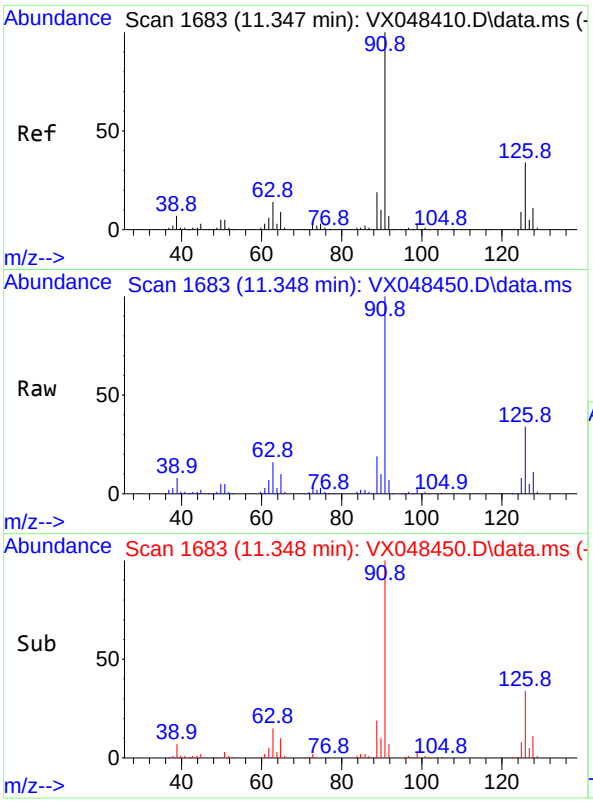


#78
n-propylbenzene
Concen: 17.615 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 91 Resp: 192825

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

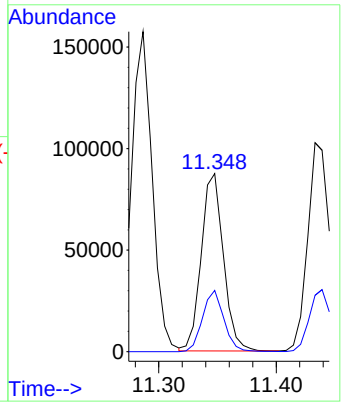




#79
2-Chlorotoluene
Concen: 17.430 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 91 Resp: 11455

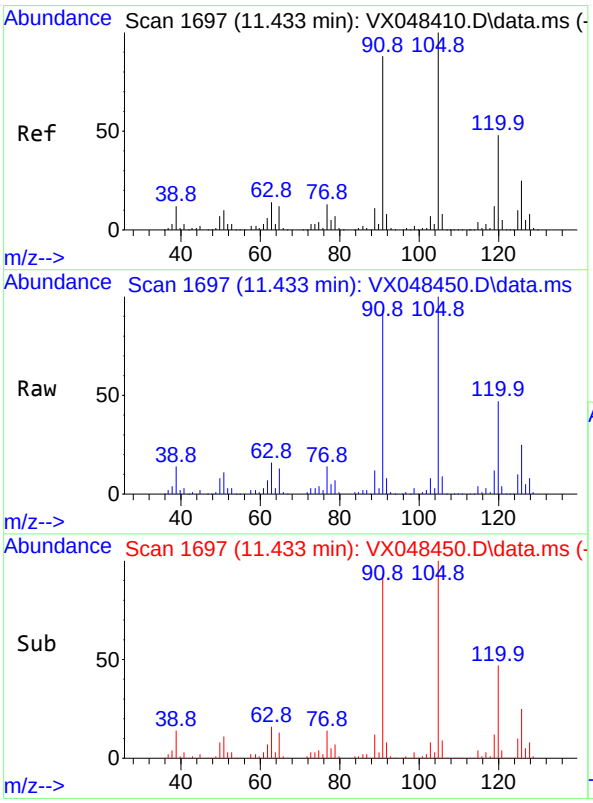
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

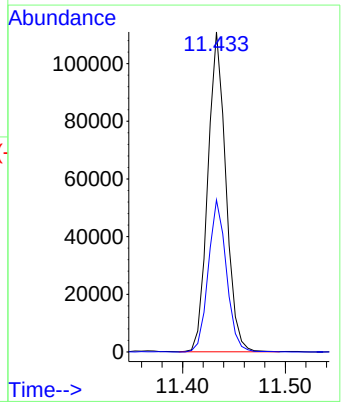
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

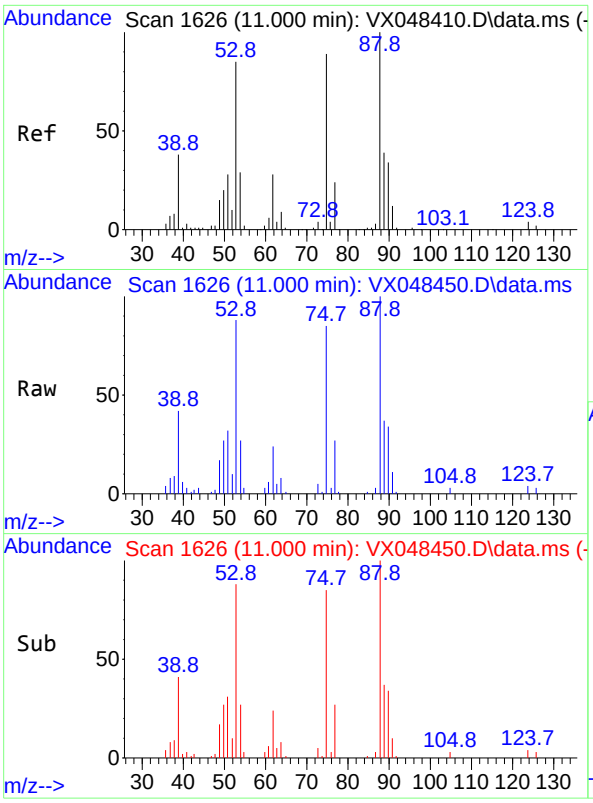


#80
1,3,5-Trimethylbenzene
Concen: 17.739 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:105 Resp: 134673

Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.0	72.0

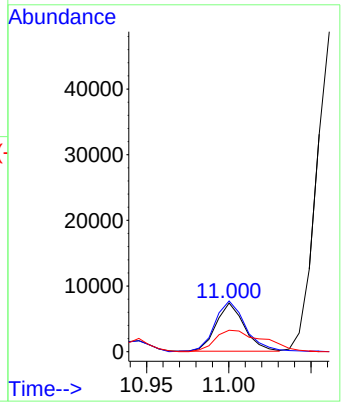




#81
trans-1,4-Dichloro-2-butene
Concen: 16.867 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 75 Resp: 877

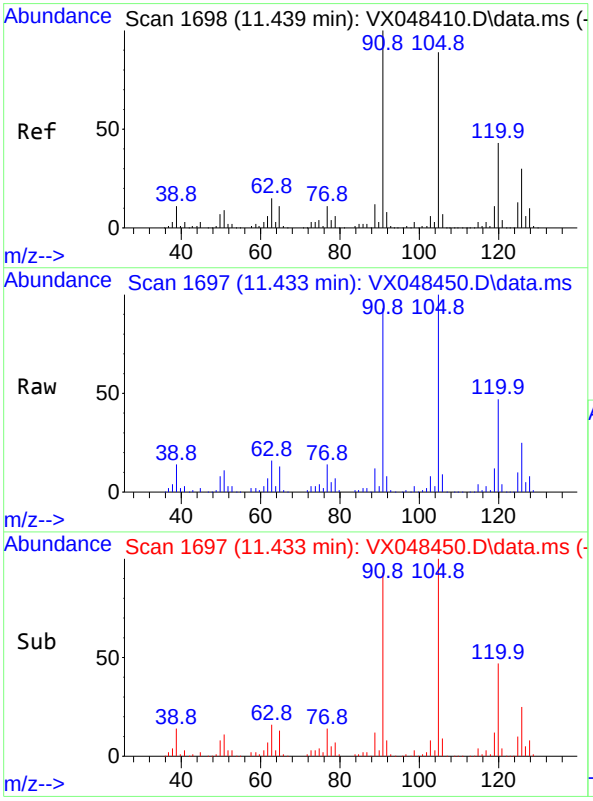
Ion	Ratio	Lower	Upper
75	100		
53	116.2	79.5	119.3
89	75.8	36.8	55.2#



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

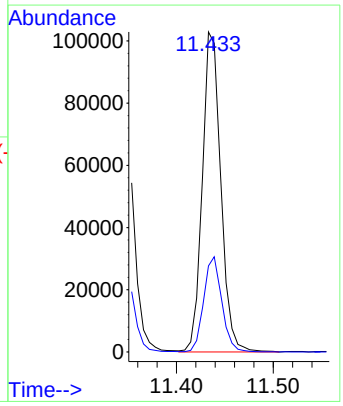
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

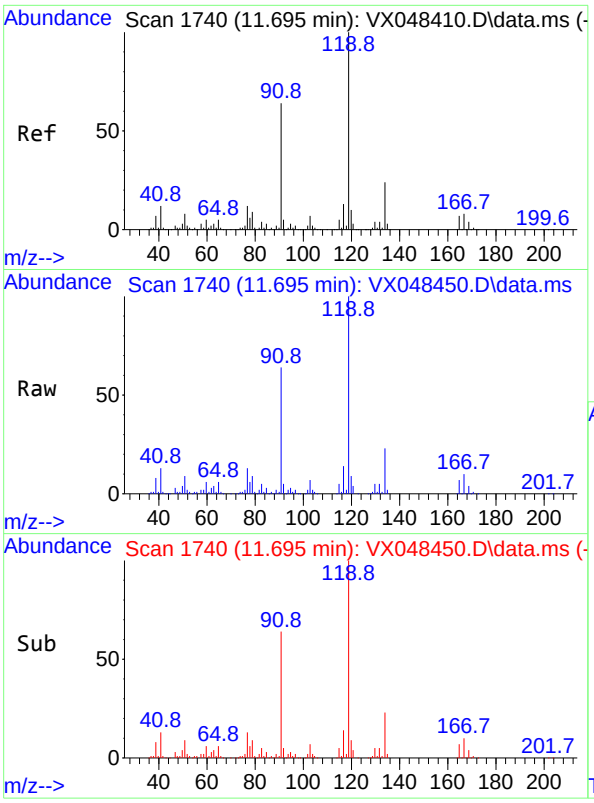


#82
4-Chlorotoluene
Concen: 17.752 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 91 Resp: 137156

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

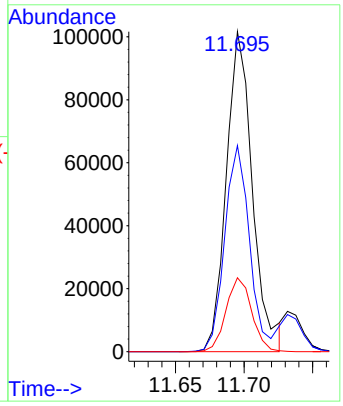




#83
tert-Butylbenzene
Concen: 17.434 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:119 Resp: 13474

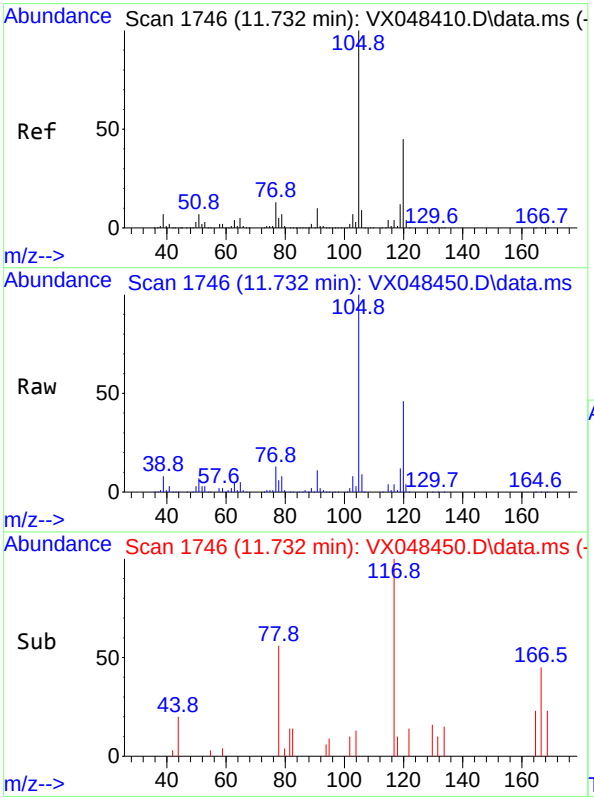
Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.3	91.0
134	22.8	11.4	34.2



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

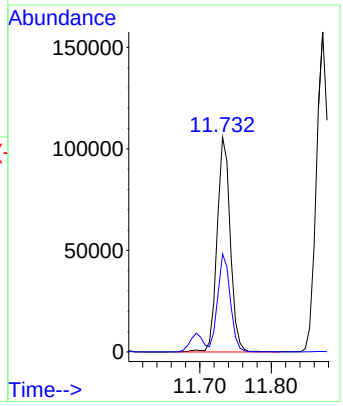
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

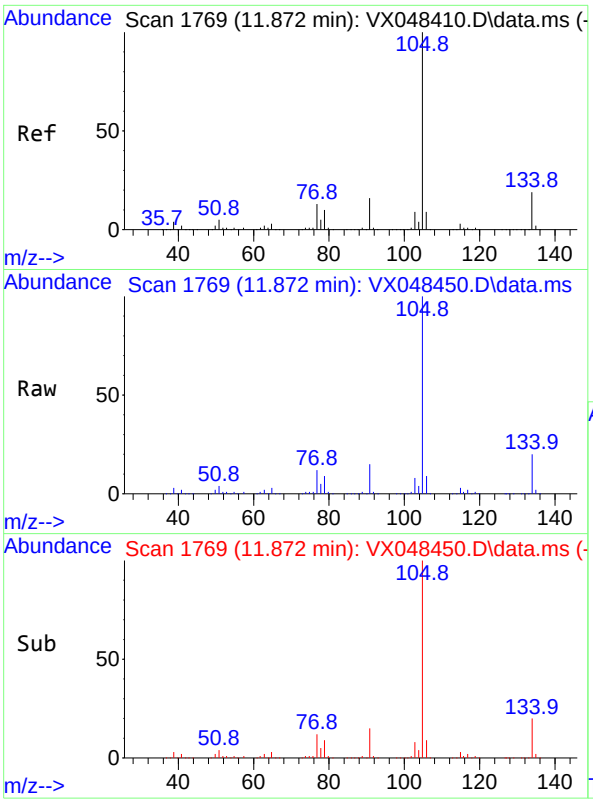


#84
1,2,4-Trimethylbenzene
Concen: 17.970 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:105 Resp: 135084

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.5

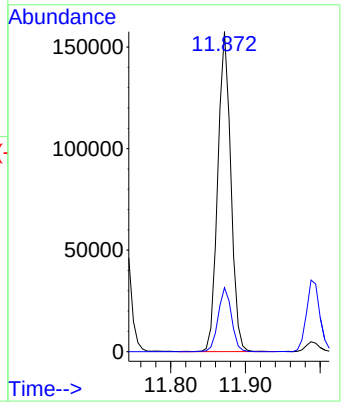




#85
sec-Butylbenzene
Concen: 19.803 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:105 Resp: 19071

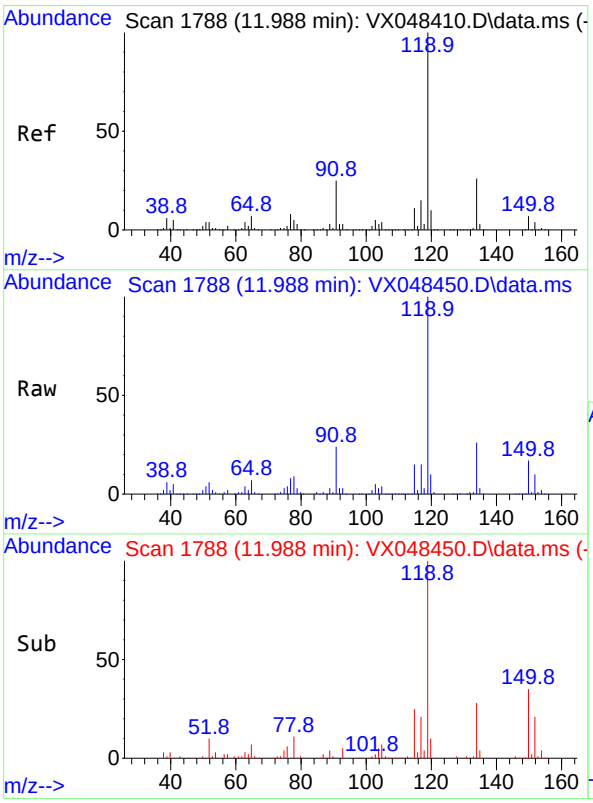
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

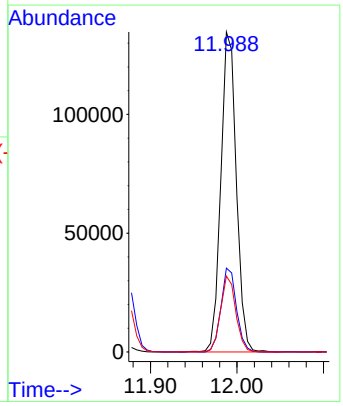
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

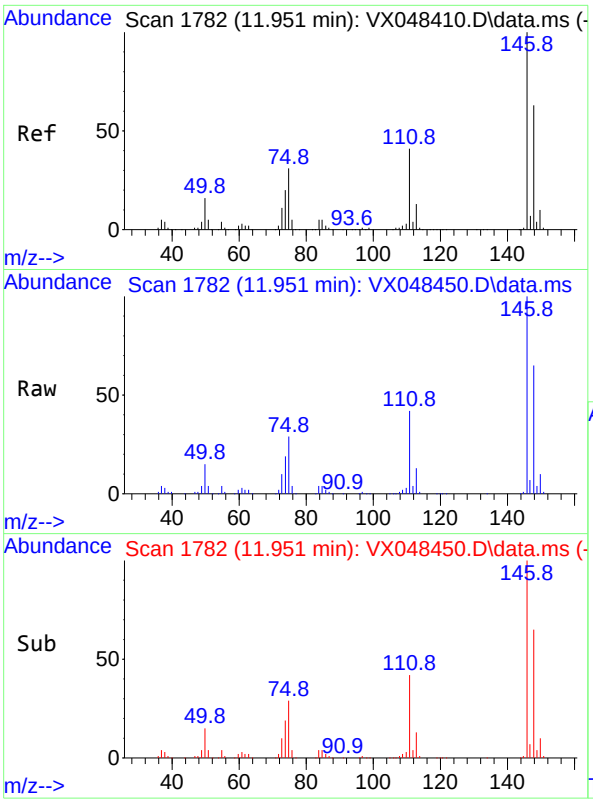


#86
p-Isopropyltoluene
Concen: 20.551 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:119 Resp: 167323

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	39.0
91	23.2	12.1	36.3

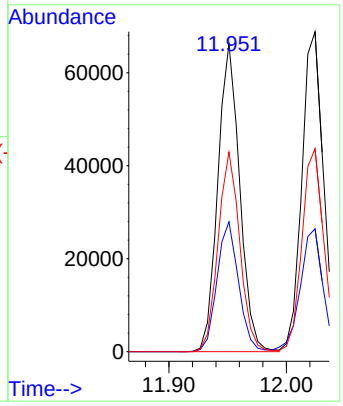




#87
1,3-Dichlorobenzene
Concen: 19.660 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:146 Resp: 8589

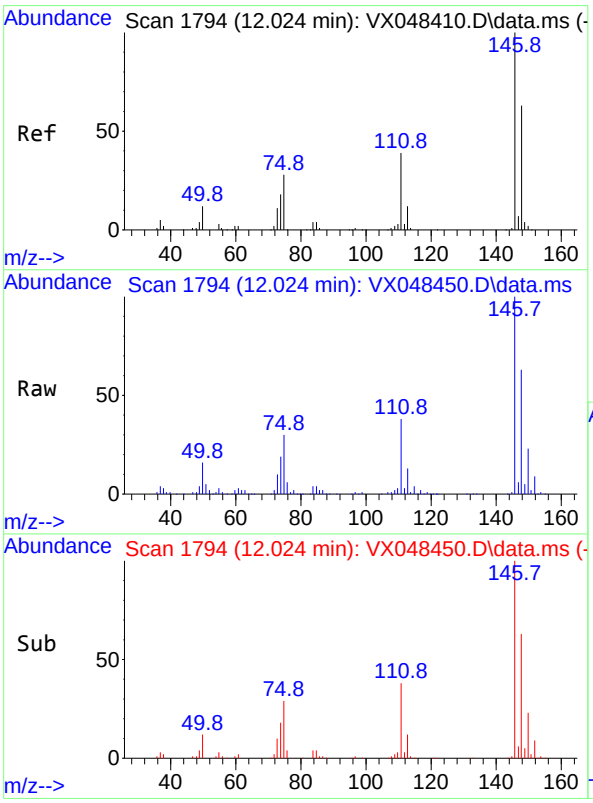
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	64.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

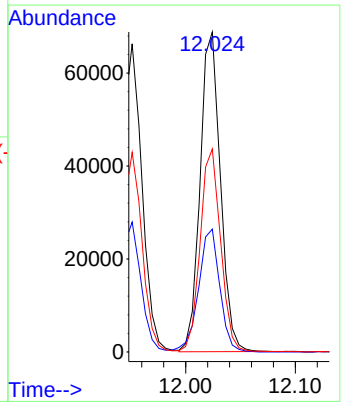
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

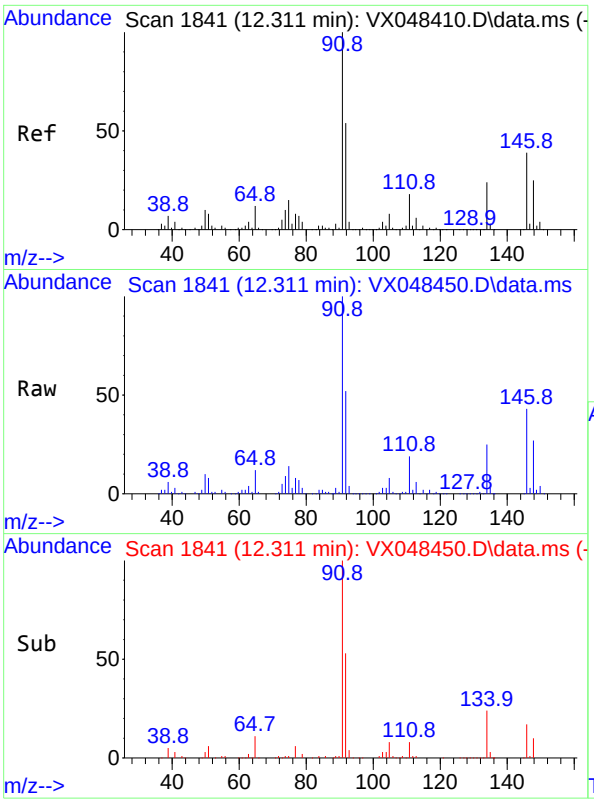


#88
1,4-Dichlorobenzene
Concen: 19.893 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:146 Resp: 88526

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	63.9	31.8	95.3

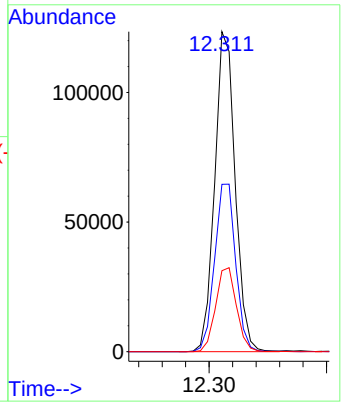




#89
n-Butylbenzene
Concen: 19.531 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 91 Resp: 14930

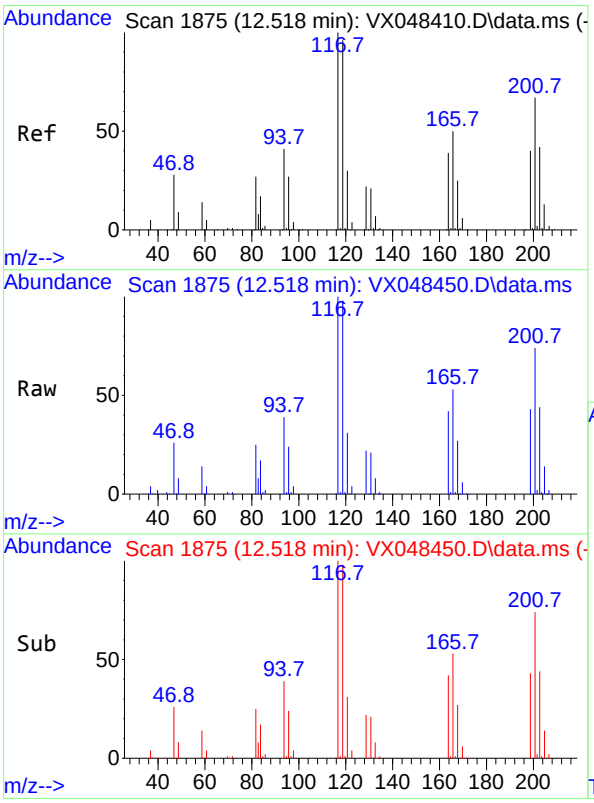
Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.9	80.6
134	26.8	12.7	38.1



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

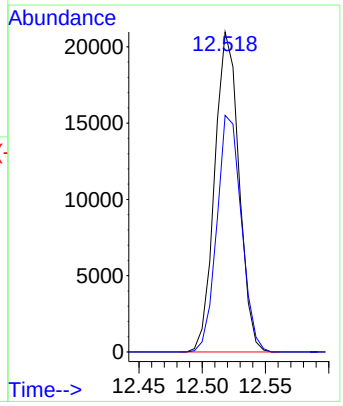
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

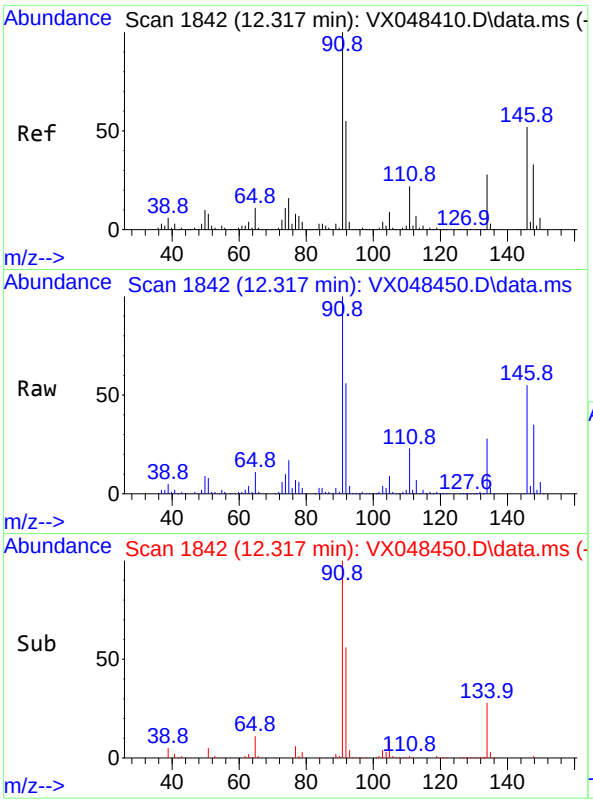


#90
Hexachloroethane
Concen: 19.510 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:117 Resp: 27911

Ion	Ratio	Lower	Upper
117	100		
201	74.9	34.1	102.2

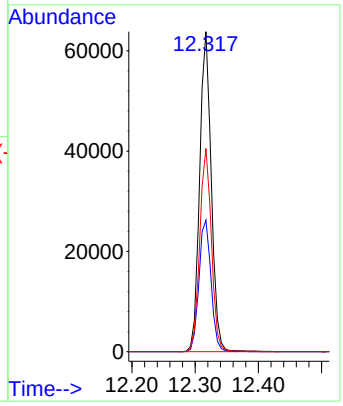




#91
1,2-Dichlorobenzene
Concen: 20.172 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:146 Resp: 8167

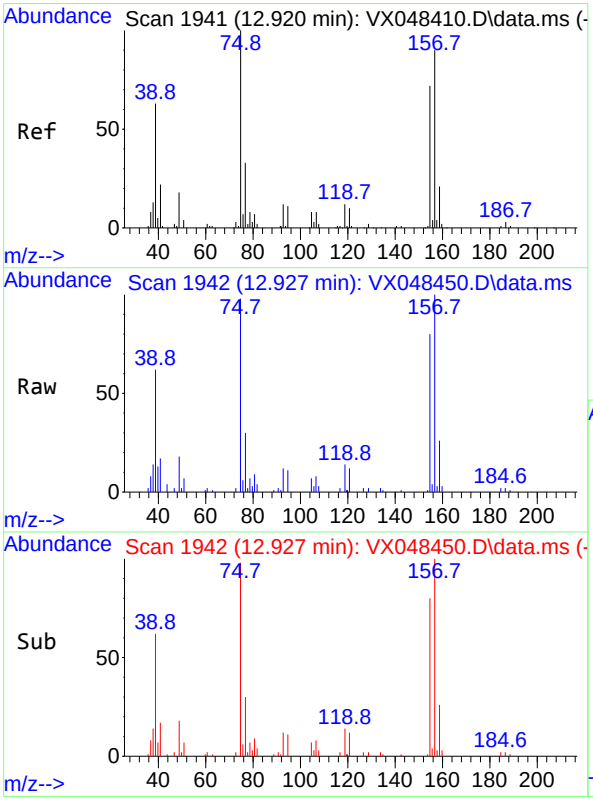
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.9	65.5
148	63.8	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

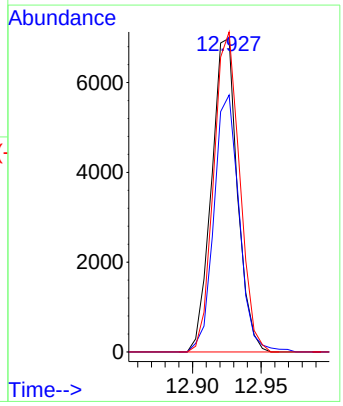
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

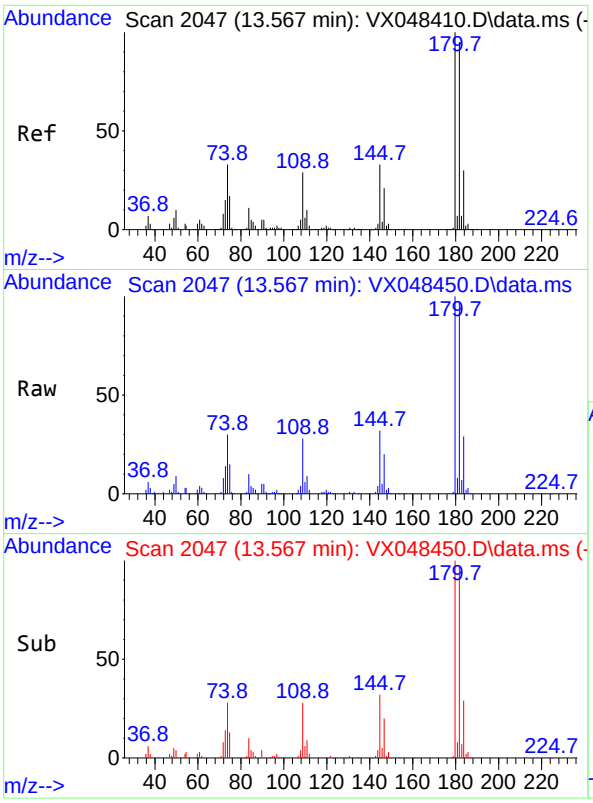


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.962 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion: 75 Resp: 9170

Ion	Ratio	Lower	Upper
75	100		
155	79.9	42.8	128.4
157	101.9	54.2	162.6

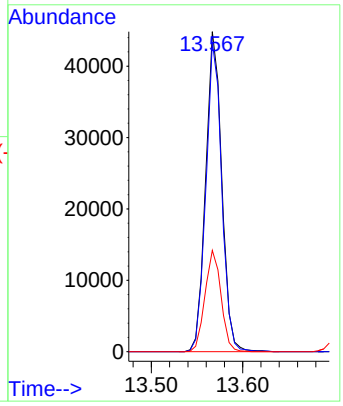




#93
1,2,4-Trichlorobenzene
Concen: 19.539 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:180 Resp: 5458

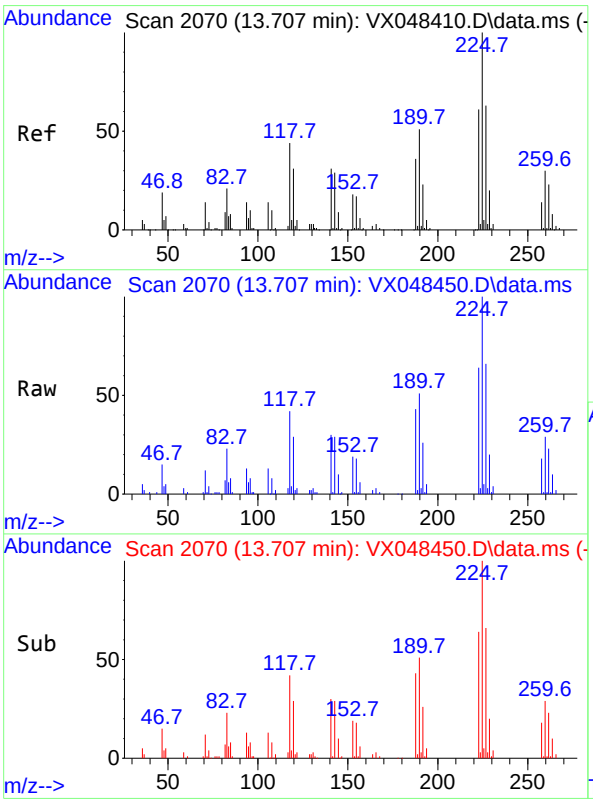
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	31.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

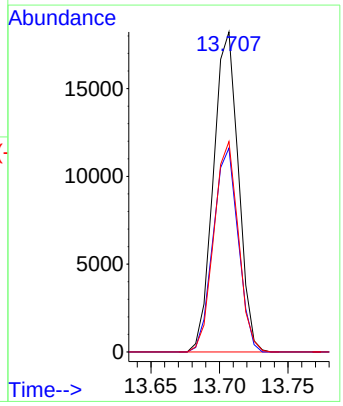
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025

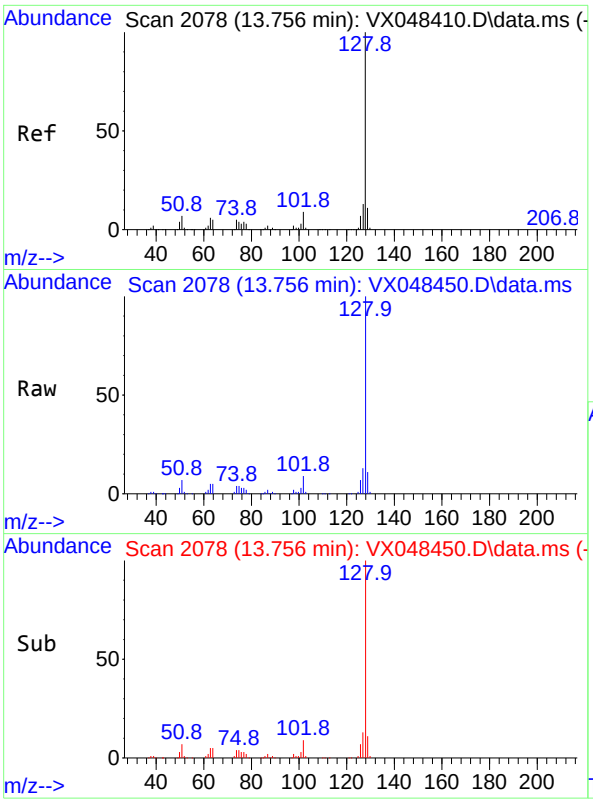


#94
Hexachlorobutadiene
Concen: 19.705 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:225 Resp: 23093

Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.6	97.7
227	64.4	32.5	97.4

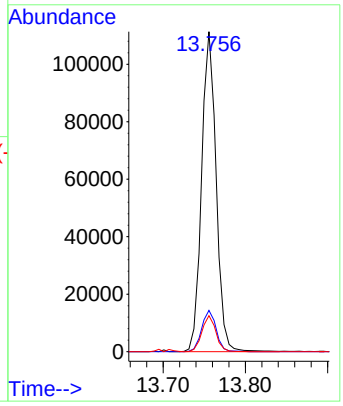




#95
Naphthalene
Concen: 19.333 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:128 Resp: 13641

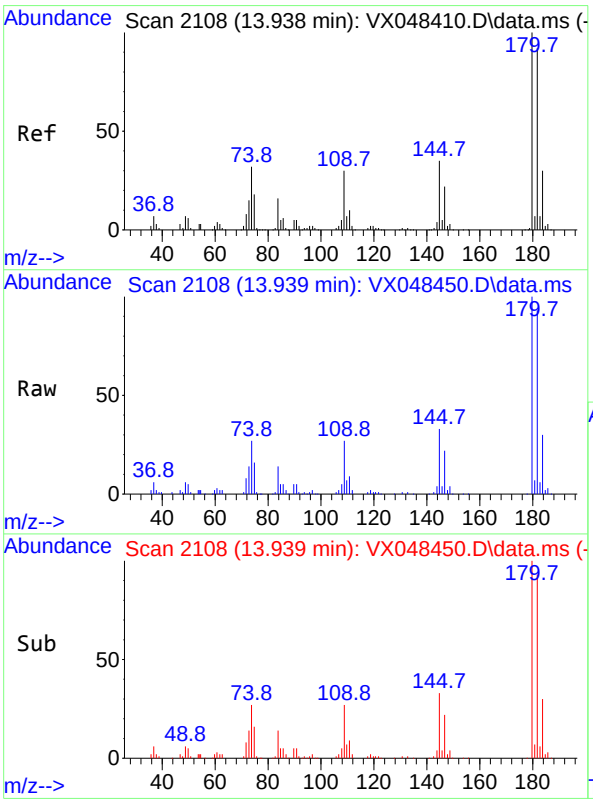
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX1103WBSD01

Manual Integrations
APPROVED

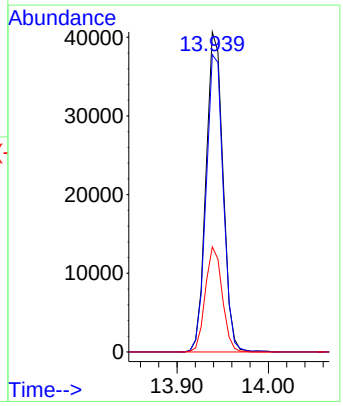
Reviewed By :Mahesh Dadoda 11/04/2025
Supervised By :mohammad ahmed 11/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.625 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048450.D
Acq: 03 Nov 2025 12:44

Tgt Ion:180 Resp: 52342

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.6	139.7
145	32.7	16.9	50.7



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:	VY1022SBSD01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBSD01	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	19.5		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
74-87-3	Chloromethane	17.5		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
75-01-4	Vinyl Chloride	18.3		1	0.79	5.00	ug/Kg	10/22/25 10:51	VY102225
74-83-9	Bromomethane	19.0		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
75-00-3	Chloroethane	18.9		1	1.30	5.00	ug/Kg	10/22/25 10:51	VY102225
75-69-4	Trichlorofluoromethane	19.5		1	1.20	5.00	ug/Kg	10/22/25 10:51	VY102225
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
75-35-4	1,1-Dichloroethene	19.9		1	1.00	5.00	ug/Kg	10/22/25 10:51	VY102225
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	10/22/25 10:51	VY102225
75-15-0	Carbon Disulfide	18.8		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
1634-04-4	Methyl tert-butyl Ether	19.3		1	0.73	5.00	ug/Kg	10/22/25 10:51	VY102225
79-20-9	Methyl Acetate	16.0		1	1.50	5.00	ug/Kg	10/22/25 10:51	VY102225
75-09-2	Methylene Chloride	18.0		1	3.50	10.0	ug/Kg	10/22/25 10:51	VY102225
156-60-5	trans-1,2-Dichloroethene	20.1		1	0.86	5.00	ug/Kg	10/22/25 10:51	VY102225
75-34-3	1,1-Dichloroethane	19.9		1	0.80	5.00	ug/Kg	10/22/25 10:51	VY102225
110-82-7	Cyclohexane	18.5		1	0.79	5.00	ug/Kg	10/22/25 10:51	VY102225
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	10/22/25 10:51	VY102225
56-23-5	Carbon Tetrachloride	20.5		1	0.97	5.00	ug/Kg	10/22/25 10:51	VY102225
156-59-2	cis-1,2-Dichloroethene	20.7		1	0.75	5.00	ug/Kg	10/22/25 10:51	VY102225
74-97-5	Bromochloromethane	19.3		1	1.20	5.00	ug/Kg	10/22/25 10:51	VY102225
67-66-3	Chloroform	20.6		1	0.84	5.00	ug/Kg	10/22/25 10:51	VY102225
71-55-6	1,1,1-Trichloroethane	20.7		1	0.93	5.00	ug/Kg	10/22/25 10:51	VY102225
108-87-2	Methylcyclohexane	20.0		1	0.91	5.00	ug/Kg	10/22/25 10:51	VY102225
71-43-2	Benzene	20.7		1	0.79	5.00	ug/Kg	10/22/25 10:51	VY102225
107-06-2	1,2-Dichloroethane	19.4		1	0.79	5.00	ug/Kg	10/22/25 10:51	VY102225
79-01-6	Trichloroethene	21.2		1	0.81	5.00	ug/Kg	10/22/25 10:51	VY102225
78-87-5	1,2-Dichloropropane	20.3		1	0.91	5.00	ug/Kg	10/22/25 10:51	VY102225
75-27-4	Bromodichloromethane	20.7		1	0.78	5.00	ug/Kg	10/22/25 10:51	VY102225
108-10-1	4-Methyl-2-Pentanone	91.4		1	3.60	25.0	ug/Kg	10/22/25 10:51	VY102225
108-88-3	Toluene	21.2		1	0.78	5.00	ug/Kg	10/22/25 10:51	VY102225
10061-02-6	t-1,3-Dichloropropene	20.1		1	0.65	5.00	ug/Kg	10/22/25 10:51	VY102225
10061-01-5	cis-1,3-Dichloropropene	20.4		1	0.62	5.00	ug/Kg	10/22/25 10:51	VY102225
79-00-5	1,1,2-Trichloroethane	21.2		1	0.92	5.00	ug/Kg	10/22/25 10:51	VY102225
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	10/22/25 10:51	VY102225
124-48-1	Dibromochloromethane	20.7		1	0.87	5.00	ug/Kg	10/22/25 10:51	VY102225
106-93-4	1,2-Dibromoethane	20.5		1	0.88	5.00	ug/Kg	10/22/25 10:51	VY102225
127-18-4	Tetrachloroethene	22.3		1	1.10	5.00	ug/Kg	10/22/25 10:51	VY102225
108-90-7	Chlorobenzene	21.0		1	0.91	5.00	ug/Kg	10/22/25 10:51	VY102225
100-41-4	Ethyl Benzene	20.8		1	0.67	5.00	ug/Kg	10/22/25 10:51	VY102225
179601-23-1	m/p-Xylenes	42.2		1	1.20	10.0	ug/Kg	10/22/25 10:51	VY102225
95-47-6	o-Xylene	21.1		1	0.82	5.00	ug/Kg	10/22/25 10:51	VY102225
100-42-5	Styrene	21.2		1	0.71	5.00	ug/Kg	10/22/25 10:51	VY102225
75-25-2	Bromoform	20.3		1	0.86	5.00	ug/Kg	10/22/25 10:51	VY102225

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:	VY1022SBSD01	SDG No.:	Q3422
Lab Sample ID:	VY1022SBSD01	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	20.8		1	0.78	5.00	ug/Kg	10/22/25 10:51	VY102225
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1	1.20	5.00	ug/Kg	10/22/25 10:51	VY102225
541-73-1	1,3-Dichlorobenzene	20.8		1	1.70	5.00	ug/Kg	10/22/25 10:51	VY102225
106-46-7	1,4-Dichlorobenzene	20.7		1	1.60	5.00	ug/Kg	10/22/25 10:51	VY102225
95-50-1	1,2-Dichlorobenzene	20.9		1	1.50	5.00	ug/Kg	10/22/25 10:51	VY102225
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1	1.80	5.00	ug/Kg	10/22/25 10:51	VY102225
120-82-1	1,2,4-Trichlorobenzene	20.2		1	3.00	5.00	ug/Kg	10/22/25 10:51	VY102225
87-61-6	1,2,3-Trichlorobenzene	19.5		1	3.20	5.00	ug/Kg	10/22/25 10:51	VY102225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	45.1			63 - 155	90%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			70 - 134	99%	SPK: 50		
2037-26-5	Toluene-d8	48.6			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.7			17 - 146	97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	543000							
540-36-3	1,4-Difluorobenzene	794000							
3114-55-4	Chlorobenzene-d5	692000							
3855-82-1	1,4-Dichlorobenzene-d4	365000							

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\VY102225\
Data File : VY023546.D
Acq On : 22 Oct 2025 10:51
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 02:27:18 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 :
VY1022SBSD01

Manual Integrations APPROVED
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	542616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	794200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	691787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	364513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	204806	45.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.280%			
35) Dibromofluoromethane	7.634	113	240748	49.334	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.660%			
50) Toluene-d8	10.109	98	883426	48.611	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.402	95	292410	48.735	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	75983	19.455	ug/l	97
3) Chloromethane	2.074	50	92933	17.467	ug/l	99
4) Vinyl Chloride	2.208	62	126494	18.253	ug/l	98
5) Bromomethane	2.592	94	110374	18.979	ug/l	100
6) Chloroethane	2.739	64	89057	18.853	ug/l	97
7) Trichlorofluoromethane	3.056	101	187963	19.534	ug/l	100
8) Diethyl Ether	3.458	74	48922	19.457	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	101676	20.363	ug/l	99
10) Methyl Iodide	4.007	142	118807	21.373	ug/l	98
11) Tert butyl alcohol	4.860	59	31636	93.720	ug/l	94
12) 1,1-Dichloroethene	3.793	96	96256	19.887	ug/l	92
13) Acrolein	3.653	56	23721	49.732	ug/l	96
14) Allyl chloride	4.391	41	107766	18.269	ug/l	96
15) Acrylonitrile	5.067	53	88820	92.308	ug/l	99
16) Acetone	3.866	43	128229	118.706	ug/l	100
17) Carbon Disulfide	4.110	76	260315	18.791	ug/l	99
18) Methyl Acetate	4.385	43	45233	15.963	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	224408	19.290	ug/l	95
20) Methylene Chloride	4.616	84	105150	18.001	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	106942	20.068	ug/l	98
22) Diisopropyl ether	6.019	45	250099	19.167	ug/l	93
23) Vinyl Acetate	5.964	43	664719	94.117	ug/l	98
24) 1,1-Dichloroethane	5.921	63	171993	19.899	ug/l	97
25) 2-Butanone	6.896	43	138738	105.202	ug/l	100
26) 2,2-Dichloropropane	6.884	77	161087	20.311	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	127379	20.693	ug/l	95
28) Bromochloromethane	7.250	49	62387	19.335	ug/l	93
29) Tetrahydrofuran	7.268	42	63173	84.474	ug/l	93
30) Chloroform	7.427	83	195371	20.573	ug/l	99
31) Cyclohexane	7.707	56	139704	18.508	ug/l	88
32) 1,1,1-Trichloroethane	7.622	97	178412	20.674	ug/l	98
36) 1,1-Dichloropropene	7.841	75	132638	20.530	ug/l	100
37) Ethyl Acetate	6.988	43	48392	18.907	ug/l	98
38) Carbon Tetrachloride	7.823	117	160505	20.489	ug/l	95
39) Methylcyclohexane	9.109	83	168002	19.972	ug/l	99
40) Benzene	8.085	78	423056	20.677	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023546.D
Acq On : 22 Oct 2025 10:51
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 02:27:18 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 :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	23527	16.996	ug/l	88
42) 1,2-Dichloroethane	8.158	62	102298	19.387	ug/l	97
43) Isopropyl Acetate	8.201	43	92102	18.046	ug/l	98
44) Trichloroethene	8.866	130	126688	21.155	ug/l	98
45) 1,2-Dichloropropane	9.140	63	91803	20.314	ug/l	100
46) Dibromomethane	9.231	93	56943	19.927	ug/l	97
47) Bromodichloromethane	9.426	83	149048	20.710	ug/l	98
48) Methyl methacrylate	9.225	41	41870	17.463	ug/l	93
49) 1,4-Dioxane	9.231	88	12343	372.543	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	240905	91.359	ug/l	98
52) Toluene	10.170	92	281449	21.186	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	125699	20.087	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	150591	20.389	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	81403	21.184	ug/l	97
56) Ethyl methacrylate	10.438	69	84192	18.994	ug/l	95
57) 1,3-Dichloropropane	10.719	76	123408	20.266	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	194748	98.074	ug/l	99
59) 2-Hexanone	10.762	43	193121	102.481	ug/l	97
60) Dibromochloromethane	10.908	129	111638	20.721	ug/l	100
61) 1,2-Dibromoethane	11.018	107	75216	20.524	ug/l	99
64) Tetrachloroethene	10.646	164	159402	22.316	ug/l	99
65) Chlorobenzene	11.444	112	315885	20.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	113849	21.234	ug/l	99
67) Ethyl Benzene	11.518	91	506760	20.807	ug/l	99
68) m/p-Xylenes	11.627	106	412583	42.235	ug/l	100
69) o-Xylene	11.957	106	193428	21.110	ug/l	98
70) Styrene	11.969	104	319023	21.173	ug/l	99
71) Bromoform	12.133	173	67370	20.257	ug/l	100
73) Isopropylbenzene	12.255	105	500033	20.816	ug/l	99
74) N-amyl acetate	12.072	43	76114	17.641	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	75476	19.210	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	68415m	21.273	ug/l	
77) Bromobenzene	12.530	156	135048	21.147	ug/l	95
78) n-propylbenzene	12.597	91	582648	20.960	ug/l	99
79) 2-Chlorotoluene	12.676	91	337780	20.750	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	412957	21.274	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	25722	19.613	ug/l	97
82) 4-Chlorotoluene	12.773	91	343300	20.477	ug/l	98
83) tert-Butylbenzene	12.999	119	374031	20.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	406596	20.988	ug/l	99
85) sec-Butylbenzene	13.176	105	550279	21.403	ug/l	100
86) p-Isopropyltoluene	13.292	119	467814	21.371	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	258722	20.804	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	254047	20.684	ug/l	99
89) n-Butylbenzene	13.615	91	392922	20.600	ug/l	99
90) Hexachloroethane	13.877	117	95771	20.342	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	227404	20.857	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12234	18.977	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	137068	20.166	ug/l	98
94) Hexachlorobutadiene	15.023	225	86848	20.497	ug/l	97
95) Naphthalene	15.145	128	204628	18.906	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	114859	19.509	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023546.D
Acq On : 22 Oct 2025 10:51
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 02:27:18 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 :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

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

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

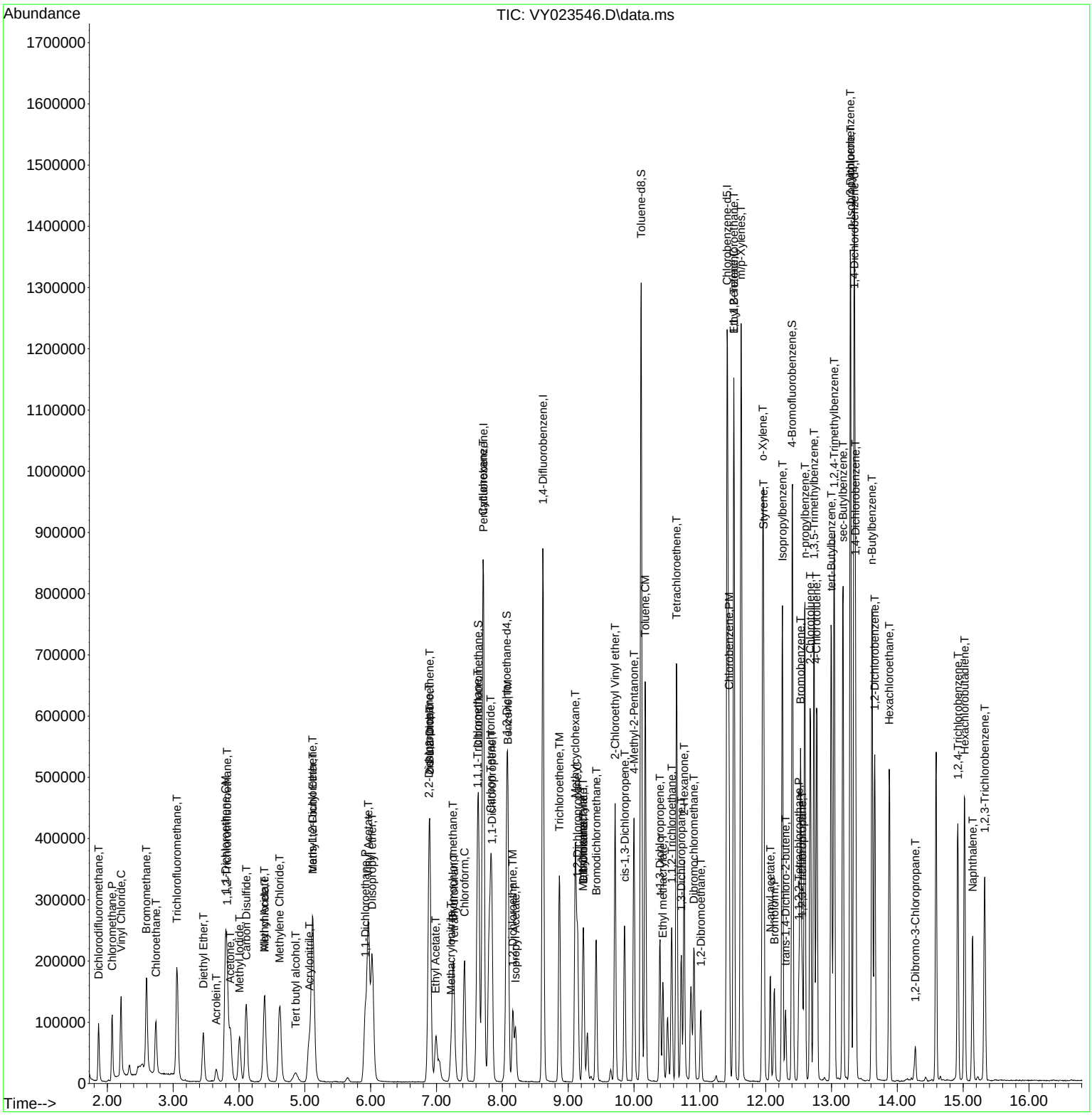
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Data File : VY023546.D
Acq On : 22 Oct 2025 10:51
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

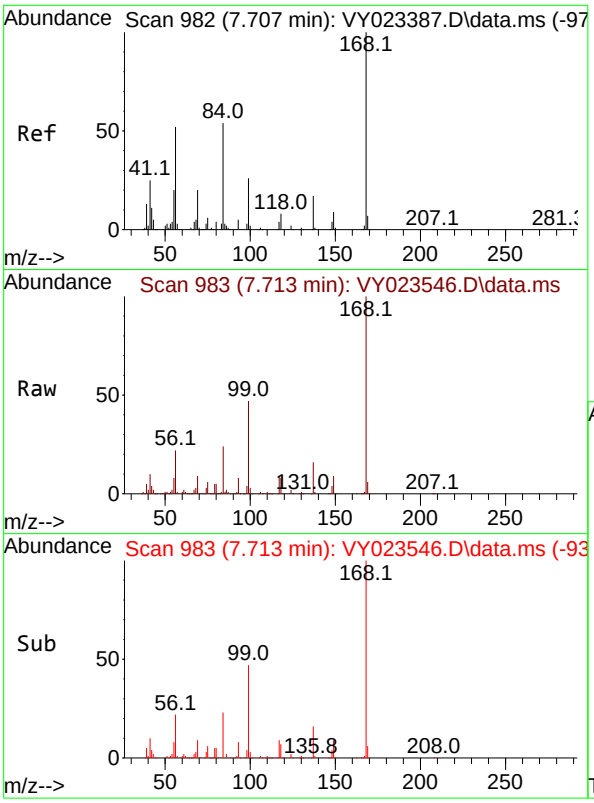
Quant Time: Oct 24 02:27:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
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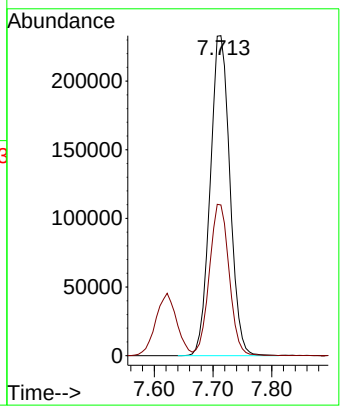




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:168 Resp: 54261

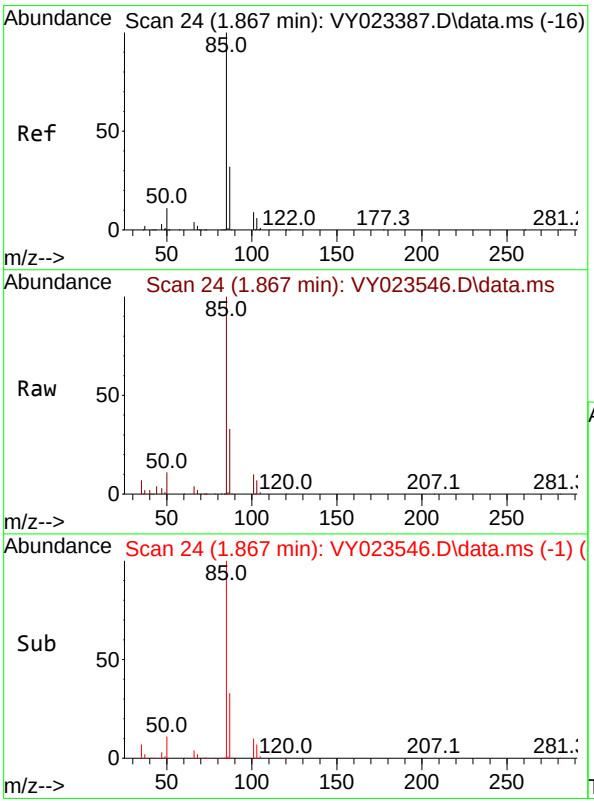
Ion	Ratio	Lower	Upper
168	100		
99	47.0	39.7	59.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

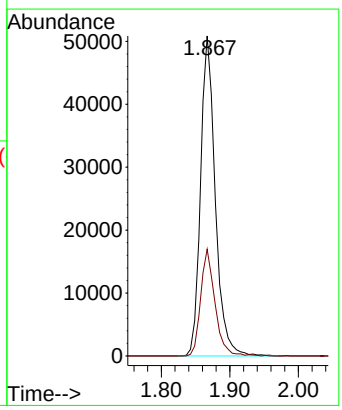
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

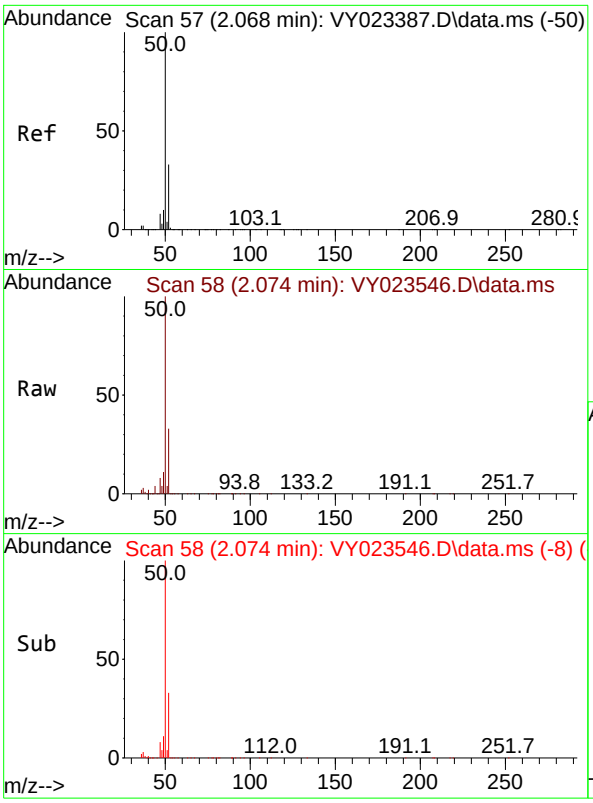


#2
Dichlorodifluoromethane
Concen: 19.455 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 85 Resp: 75983

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.0	47.9

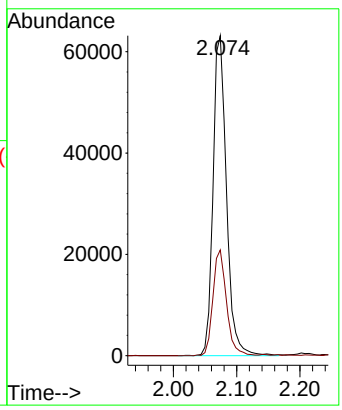




#3
Chloromethane
Concen: 17.467 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 50 Resp: 9293

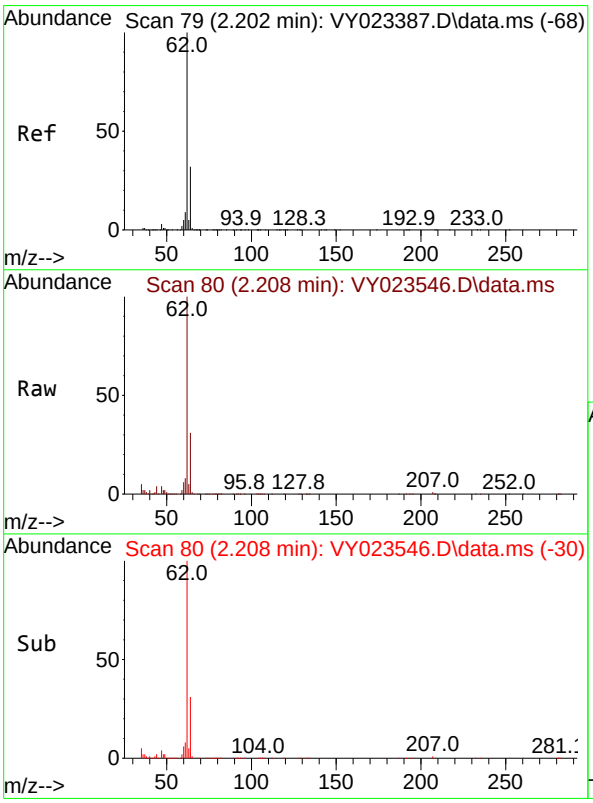
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

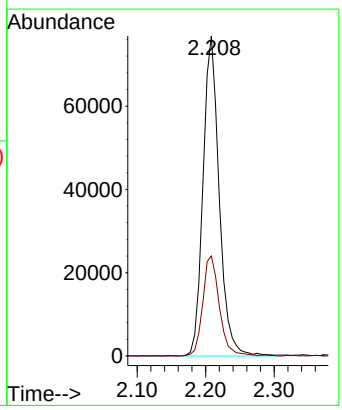
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

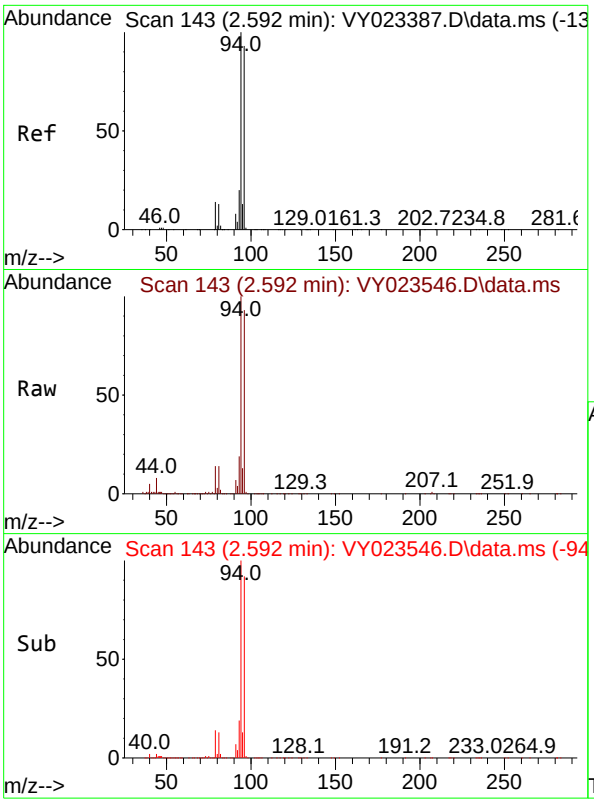


#4
Vinyl Chloride
Concen: 18.253 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 62 Resp: 126494

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.8	38.8

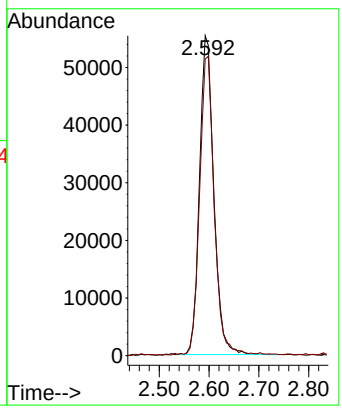




#5
Bromomethane
Concen: 18.979 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 94 Resp: 11037

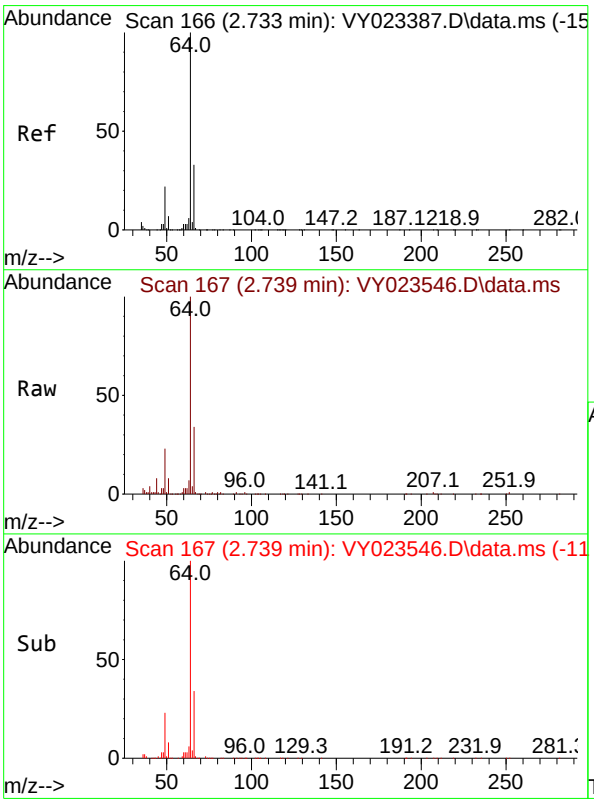
Ion	Ratio	Lower	Upper
94	100		
96	92.7	74.5	111.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

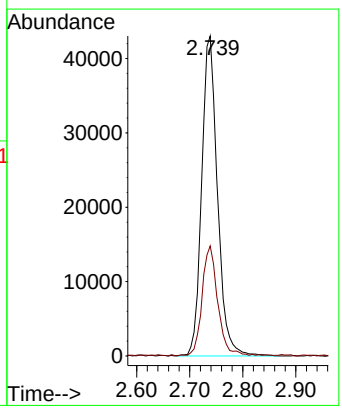
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

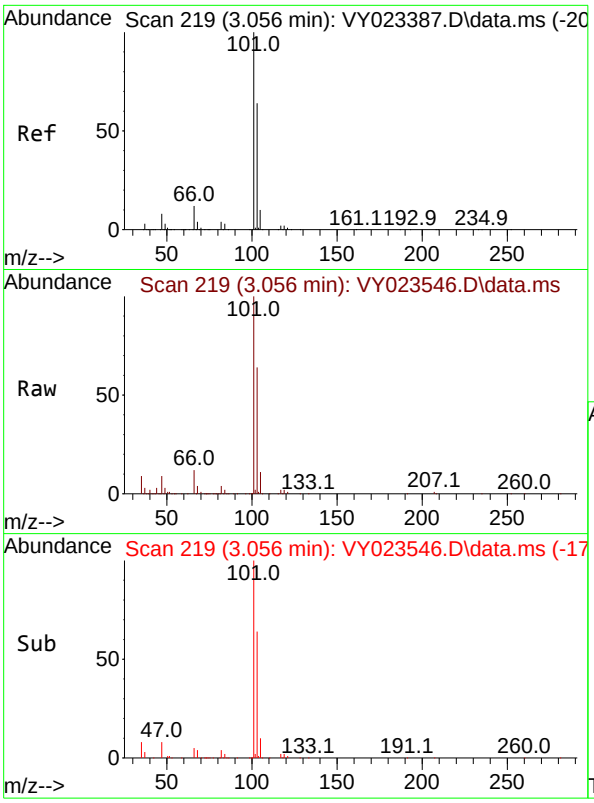


#6
Chloroethane
Concen: 18.853 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 64 Resp: 89057

Ion	Ratio	Lower	Upper
64	100		
66	34.3	26.2	39.4





#7
Trichlorofluoromethane
Concen: 19.534 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

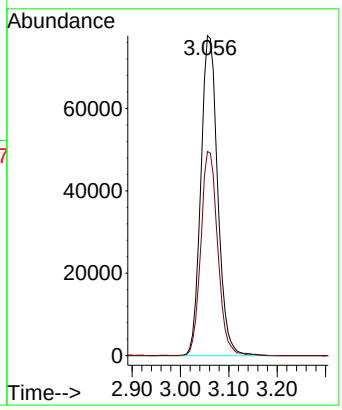
Tgt Ion:101 Resp: 18796

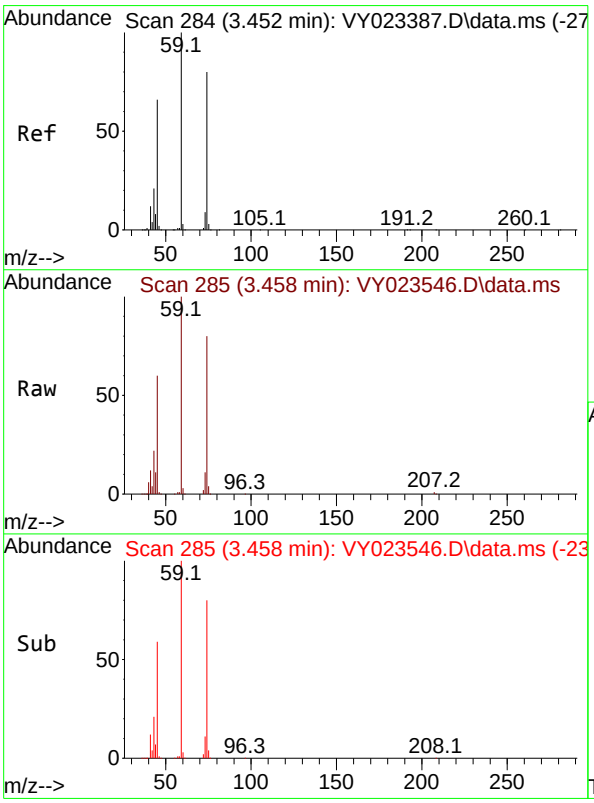
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.3	76.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

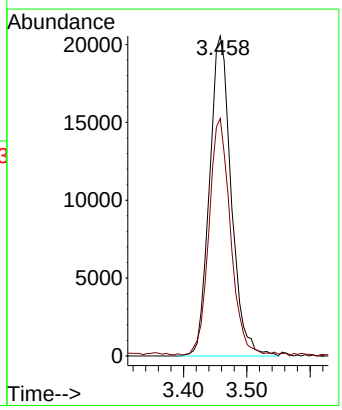


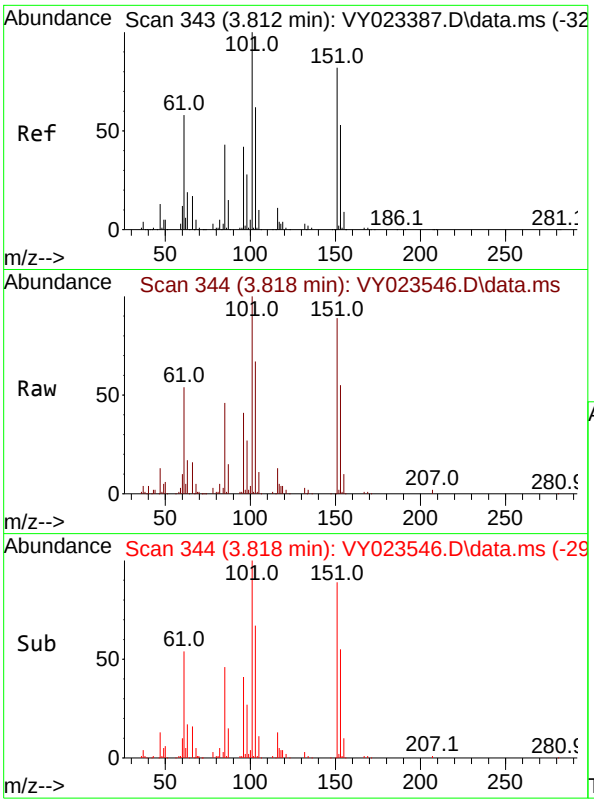


#8
Diethyl Ether
Concen: 19.457 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 74 Resp: 48922

Ion	Ratio	Lower	Upper
74	100		
45	72.8	39.9	119.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.363 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

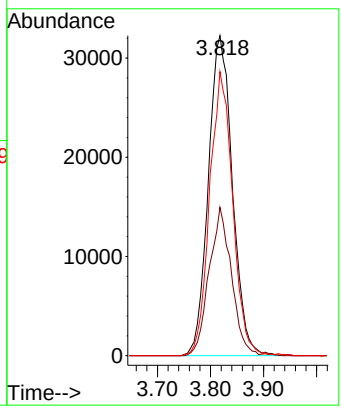
Tgt Ion:101 Resp: 10167

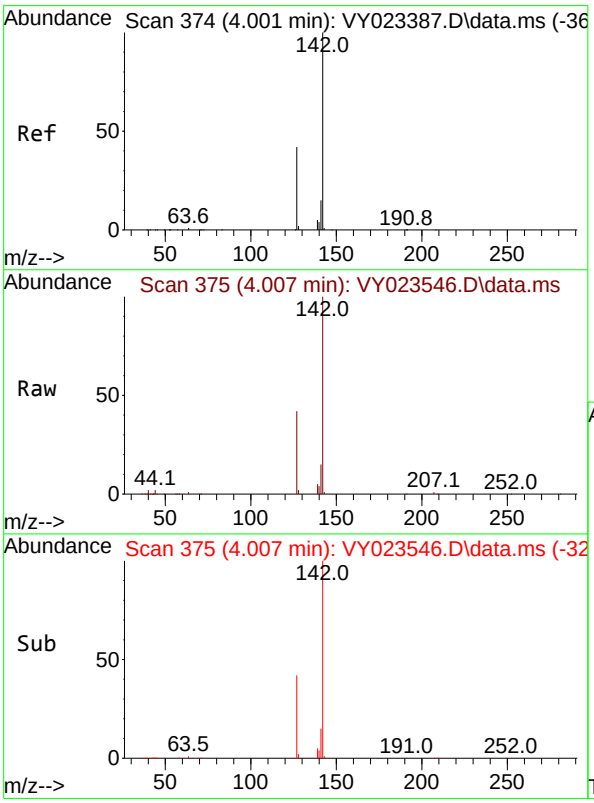
Ion	Ratio	Lower	Upper
101	100		
85	43.0	34.6	51.8
151	84.8	67.0	100.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

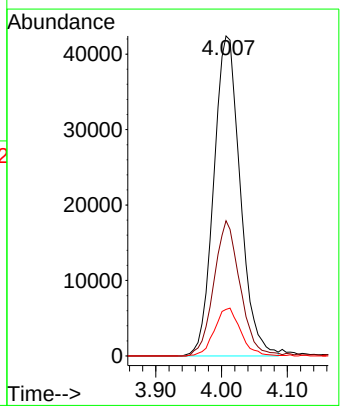


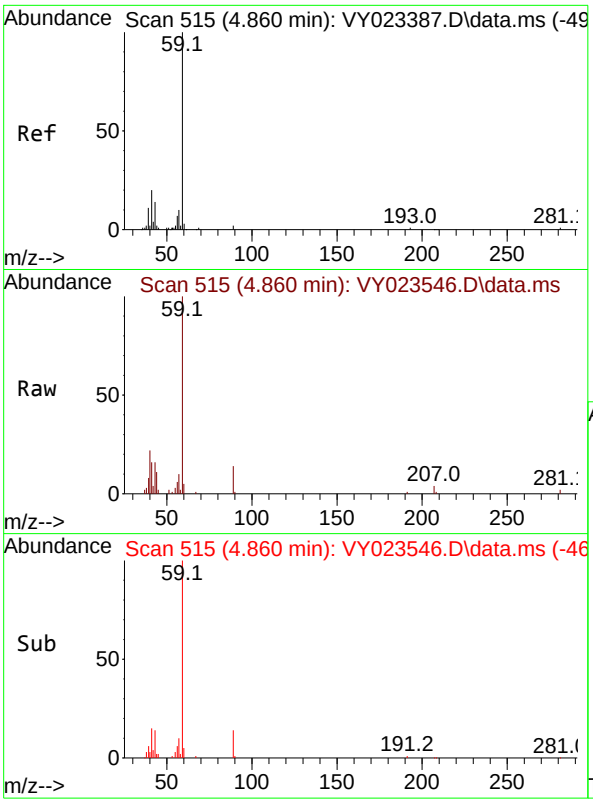


#10
Methyl Iodide
Concen: 21.373 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:142 Resp: 118807

Ion	Ratio	Lower	Upper
142	100		
127	41.8	34.8	52.2
141	14.8	11.6	17.4

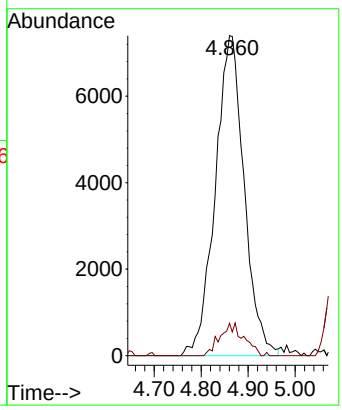




#11
Tert butyl alcohol
Concen: 93.720 ug/l
RT: 4.860 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 59 Resp: 3163

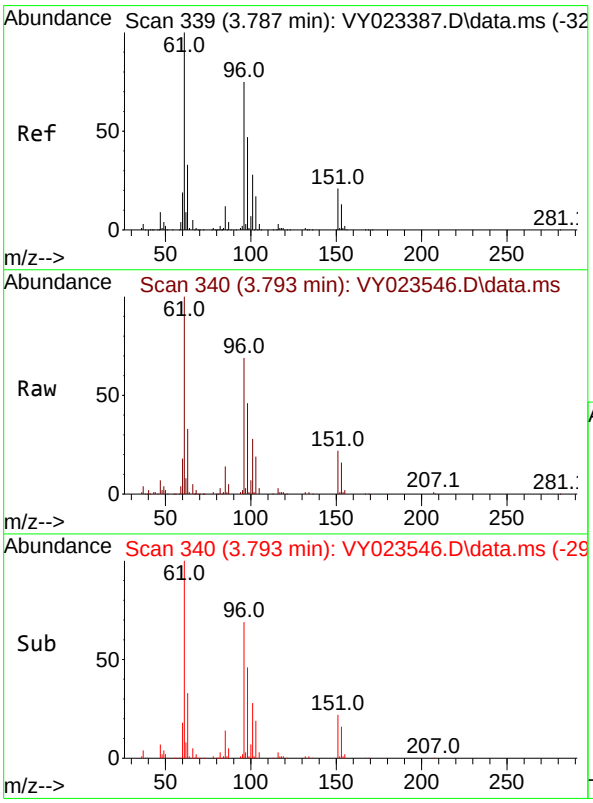
Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.3	12.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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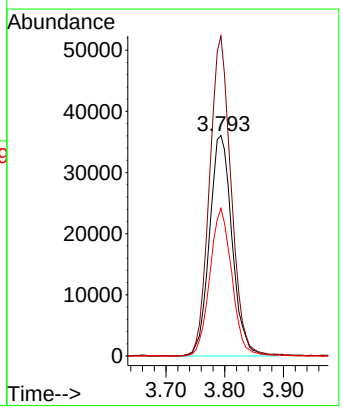
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

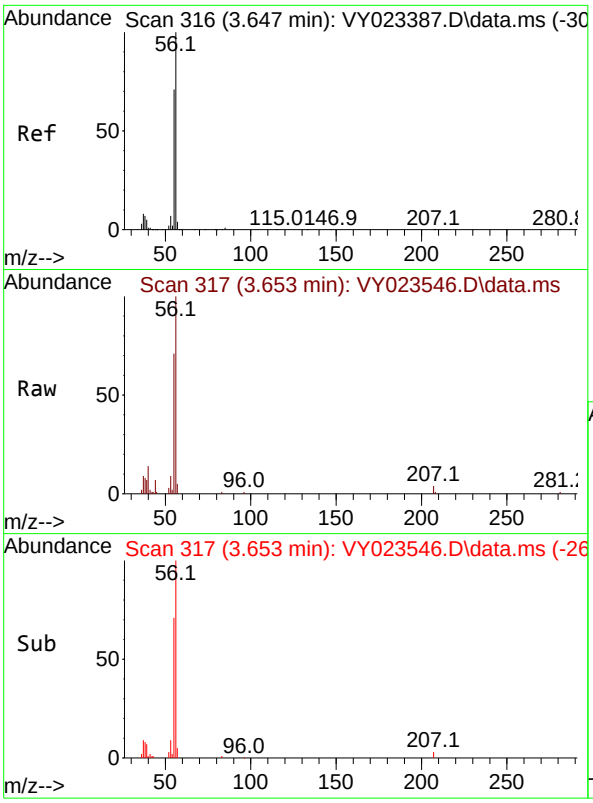


#12
1,1-Dichloroethene
Concen: 19.887 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 96 Resp: 96256

Ion	Ratio	Lower	Upper
96	100		
61	145.1	106.7	160.1
98	66.9	50.2	75.4

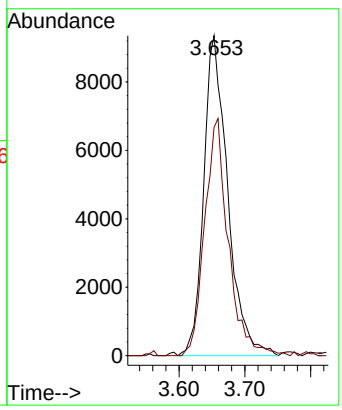




#13
Acrolein
Concen: 49.732 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 56 Resp: 2372

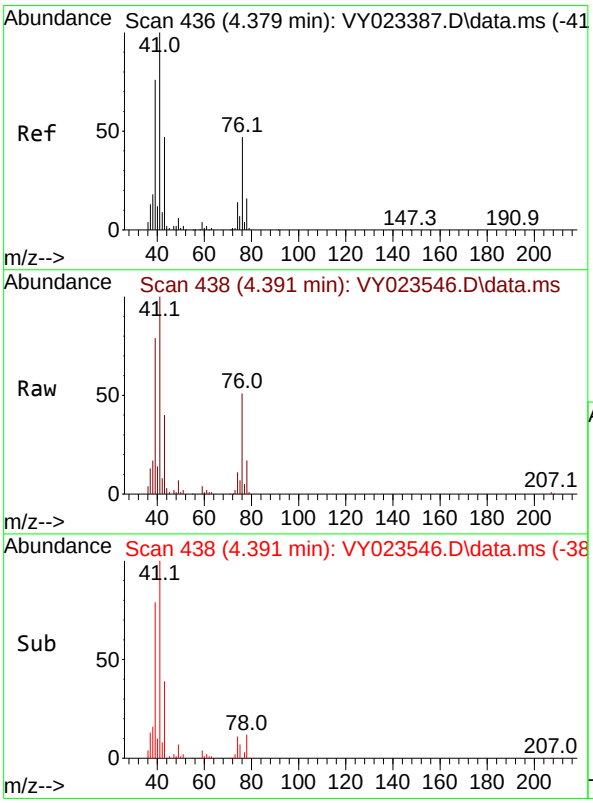
Ion	Ratio	Lower	Upper
56	100		
55	73.2	56.1	84.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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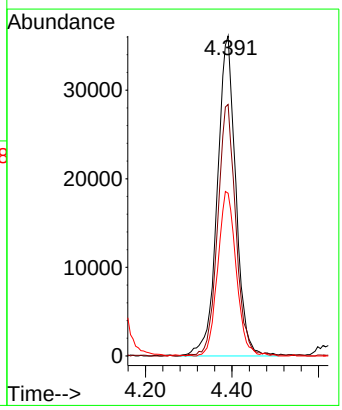
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

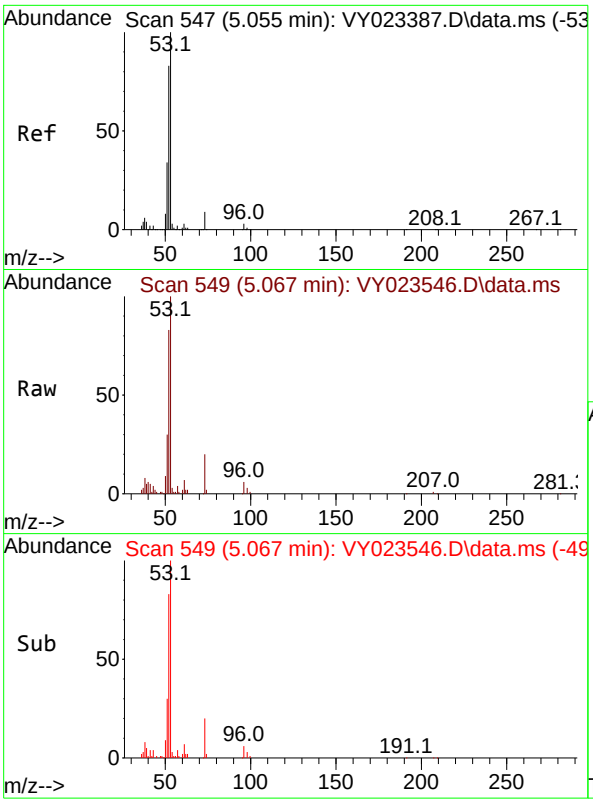


#14
Allyl chloride
Concen: 18.269 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 41 Resp: 107766

Ion	Ratio	Lower	Upper
41	100		
39	77.1	59.9	89.9
76	51.0	38.0	57.0

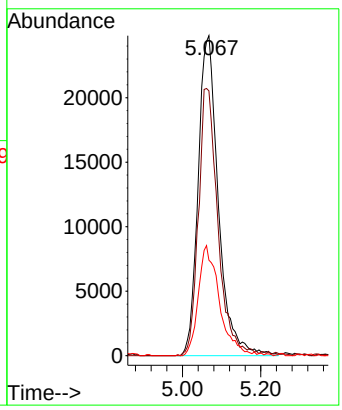




#15
Acrylonitrile
Concen: 92.308 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 53 Resp: 8882

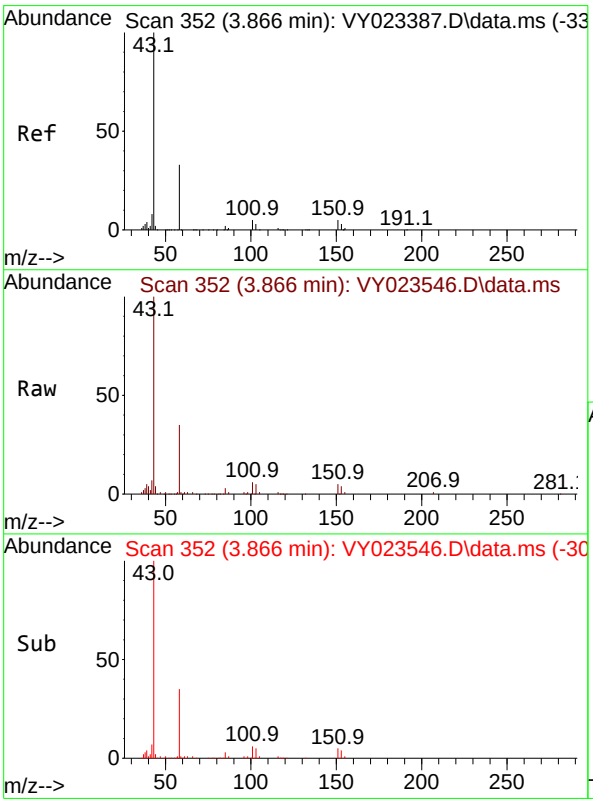
Ion	Ratio	Lower	Upper
53	100		
52	80.6	64.6	97.0
51	36.1	29.5	44.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

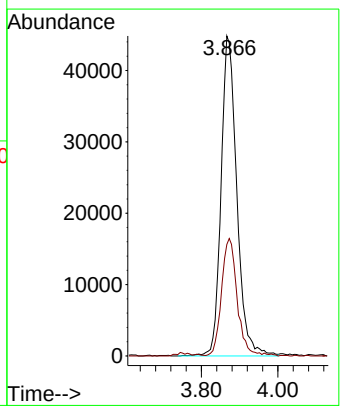
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

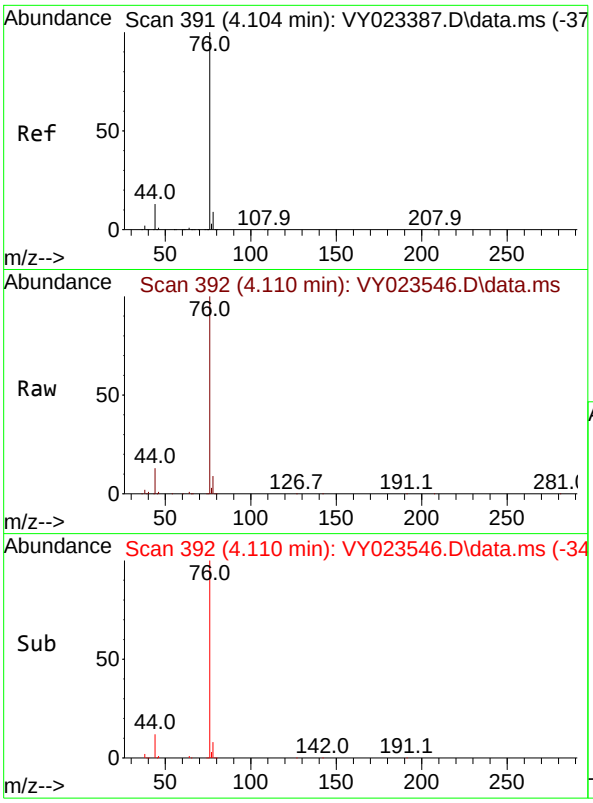


#16
Acetone
Concen: 118.706 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 43 Resp: 128229

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.7	41.5

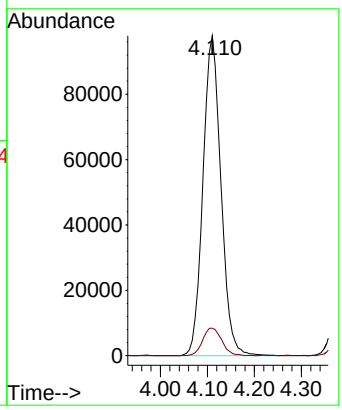




#17
Carbon Disulfide
Concen: 18.791 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 76 Resp: 26031

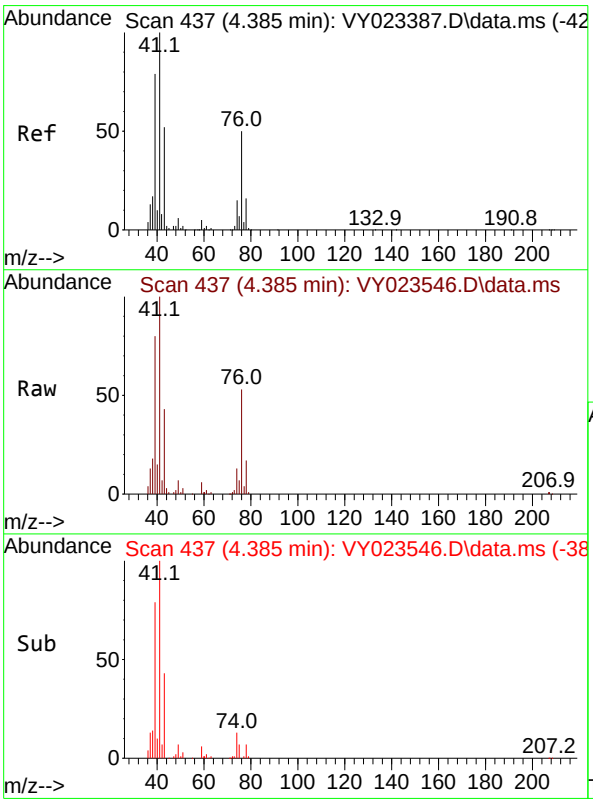
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

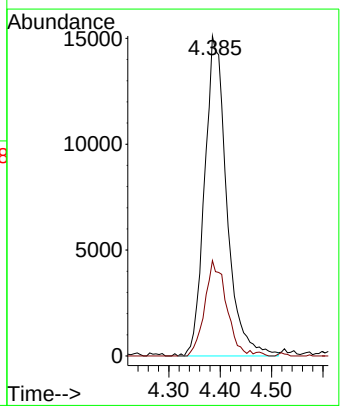
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

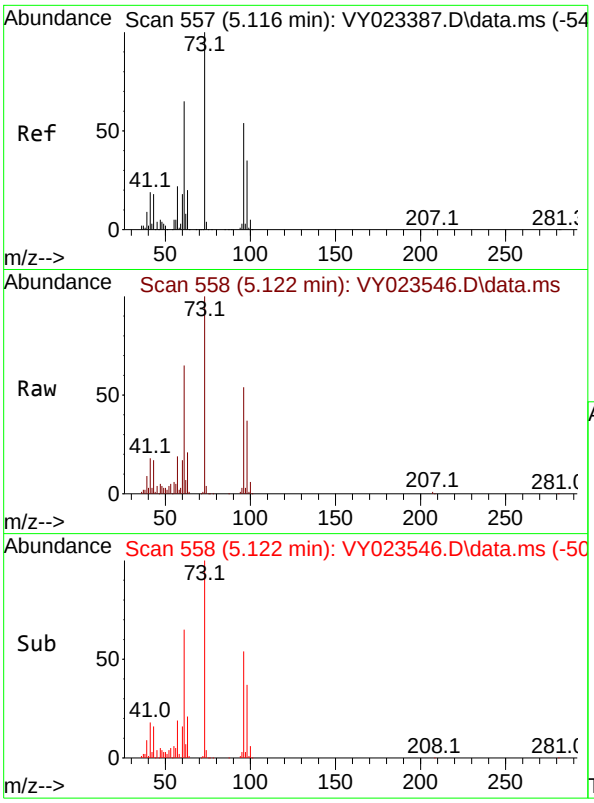


#18
Methyl Acetate
Concen: 15.963 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 43 Resp: 45233

Ion	Ratio	Lower	Upper
43	100		
74	29.6	24.2	36.4

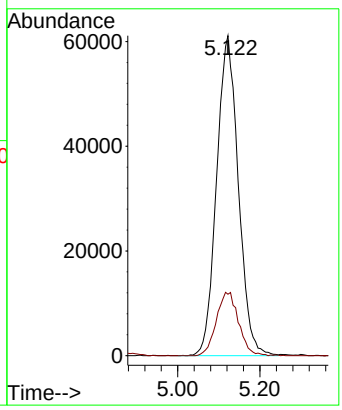




#19
Methyl tert-butyl Ether
Concen: 19.290 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 73 Resp: 22440

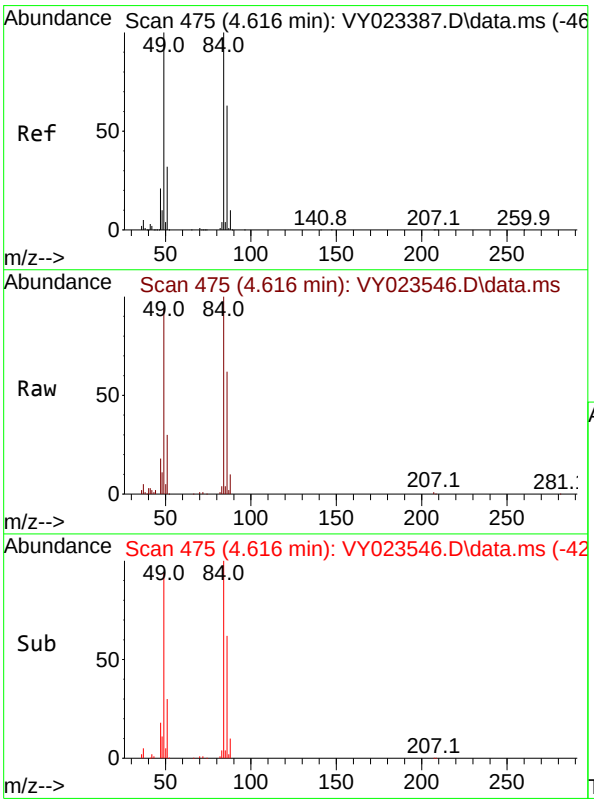
Ion	Ratio	Lower	Upper
73	100		
57	19.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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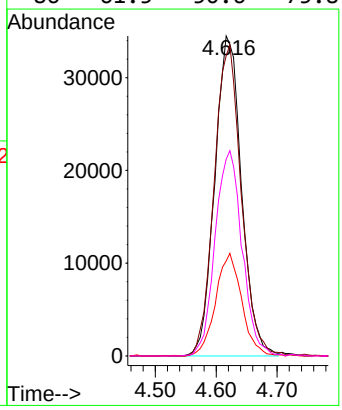
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

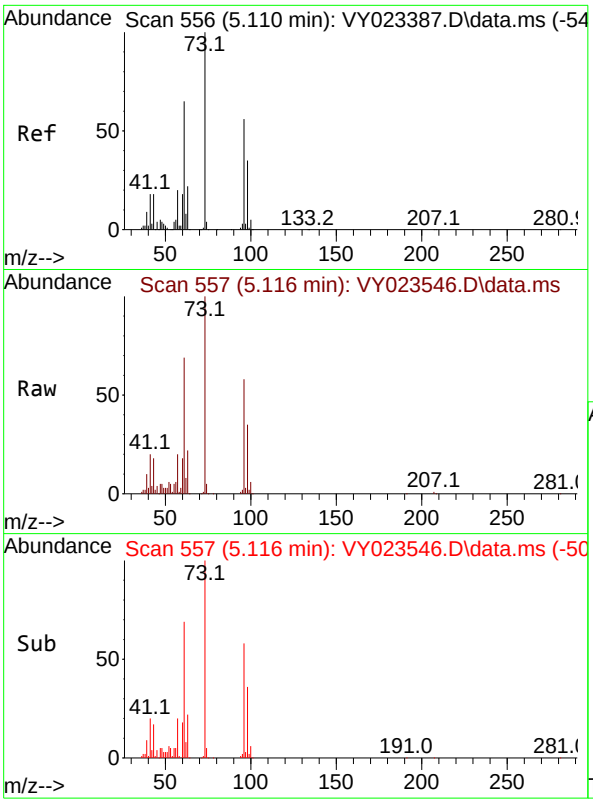


#20
Methylene Chloride
Concen: 18.001 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 84 Resp: 105150

Ion	Ratio	Lower	Upper
84	100		
49	93.9	80.2	120.4
51	29.7	25.9	38.9
86	61.5	50.6	75.8

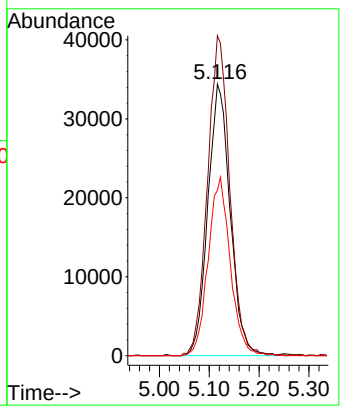




#21
trans-1,2-Dichloroethene
Concen: 20.068 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 96 Resp: 10694

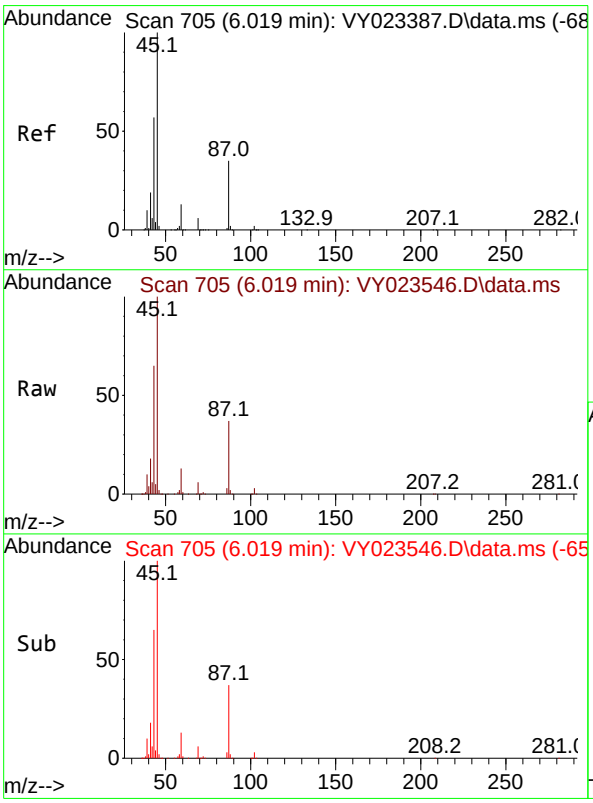
Ion	Ratio	Lower	Upper
96	100		
61	117.8	92.7	139.1
98	60.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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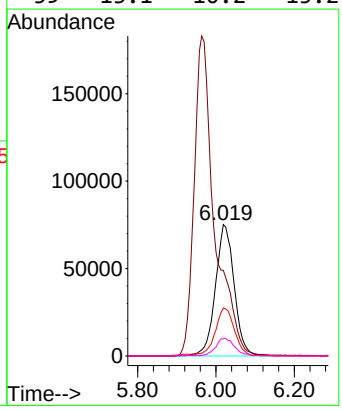
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

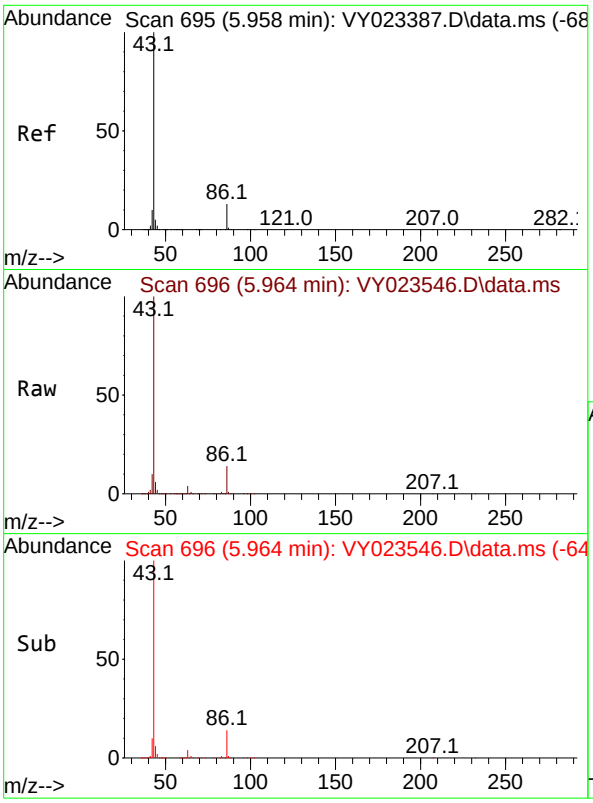


#22
Diisopropyl ether
Concen: 19.167 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 45 Resp: 250099

Ion	Ratio	Lower	Upper
45	100		
43	64.7	45.6	68.4
87	36.5	28.1	42.1
59	13.1	10.2	15.2

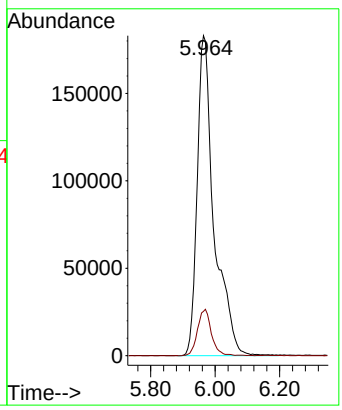




#23
Vinyl Acetate
Concen: 94.117 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 43 Resp: 66471

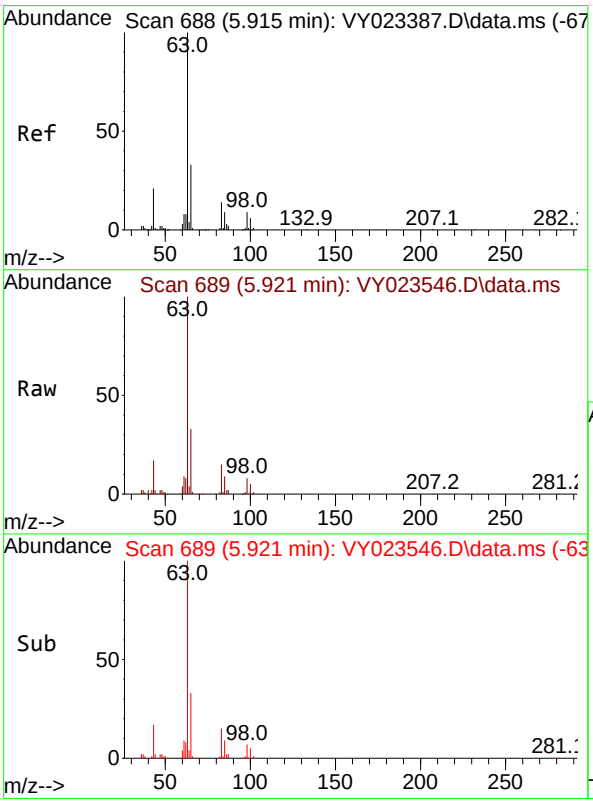
Ion	Ratio	Lower	Upper
43	100		
86	13.9	10.6	15.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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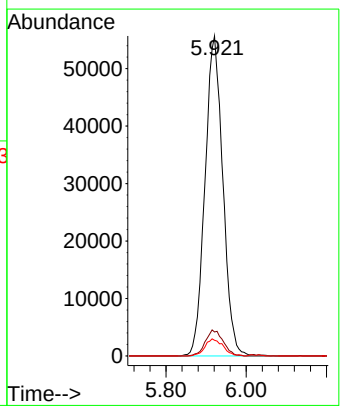
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

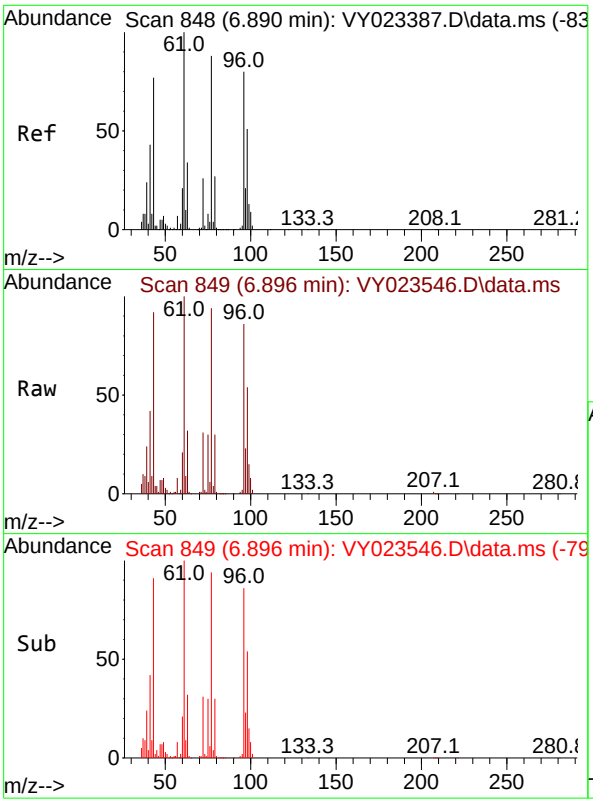


#24
1,1-Dichloroethane
Concen: 19.899 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 63 Resp: 171993

Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.3	13.1
100	4.9	2.8	8.4





#25
2-Butanone
Concen: 105.202 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

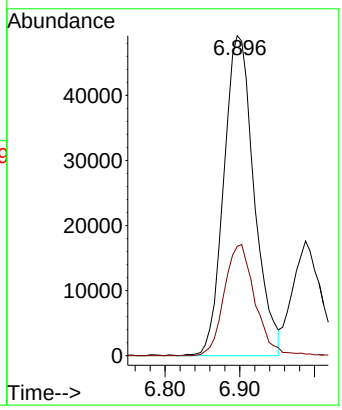
Tgt Ion: 43 Resp: 13873

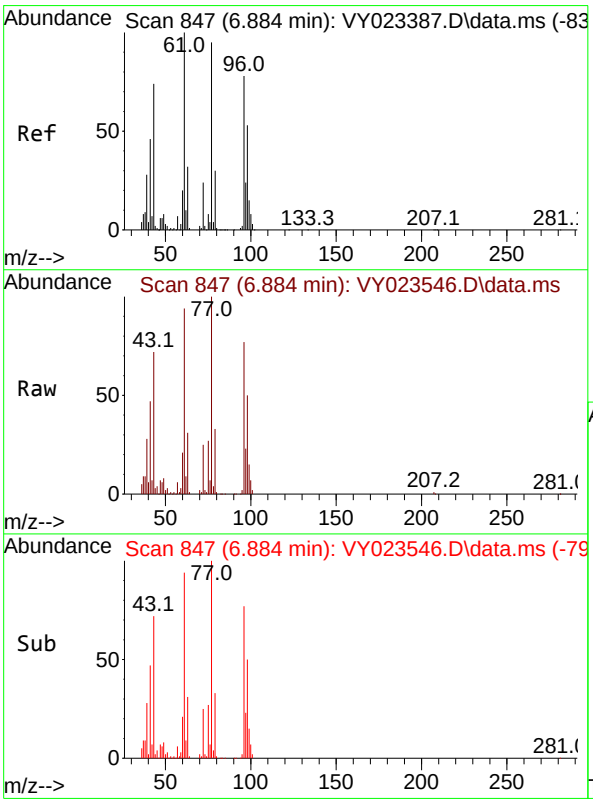
Ion	Ratio	Lower	Upper
43	100		
72	34.1	27.4	41.2

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

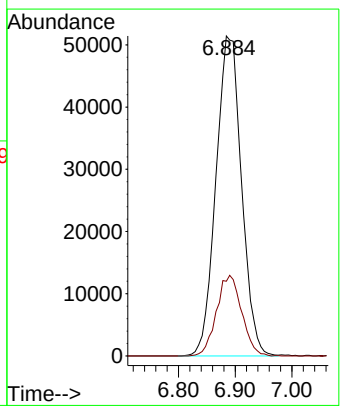


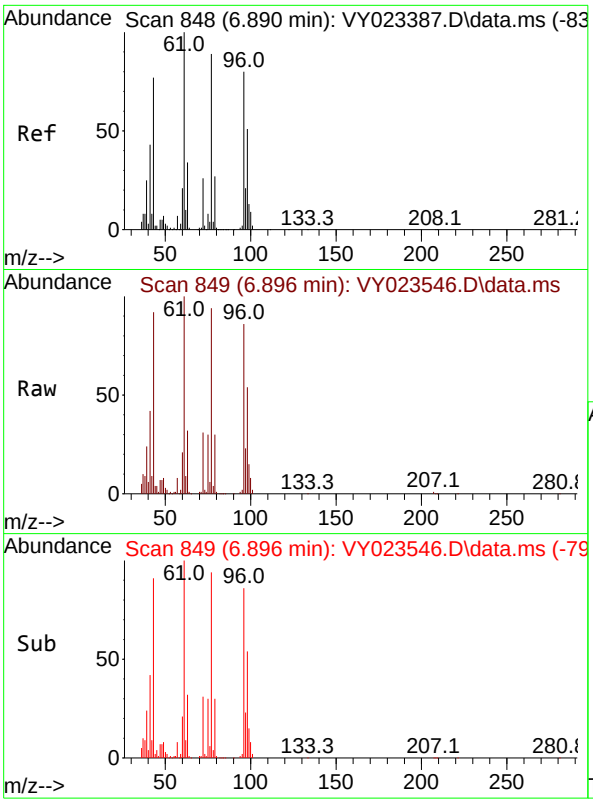


#26
2,2-Dichloropropane
Concen: 20.311 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 77 Resp: 161087

Ion	Ratio	Lower	Upper
77	100		
97	24.8	12.1	36.3





#27
cis-1,2-Dichloroethene
Concen: 20.693 ug/l
RT: 6.896 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

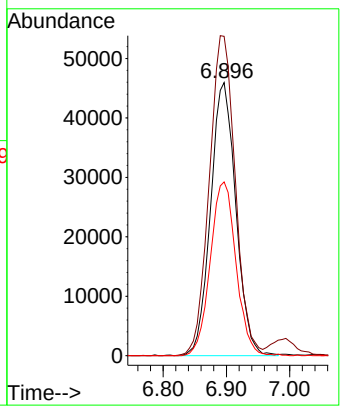
Tgt Ion: 96 Resp: 12737

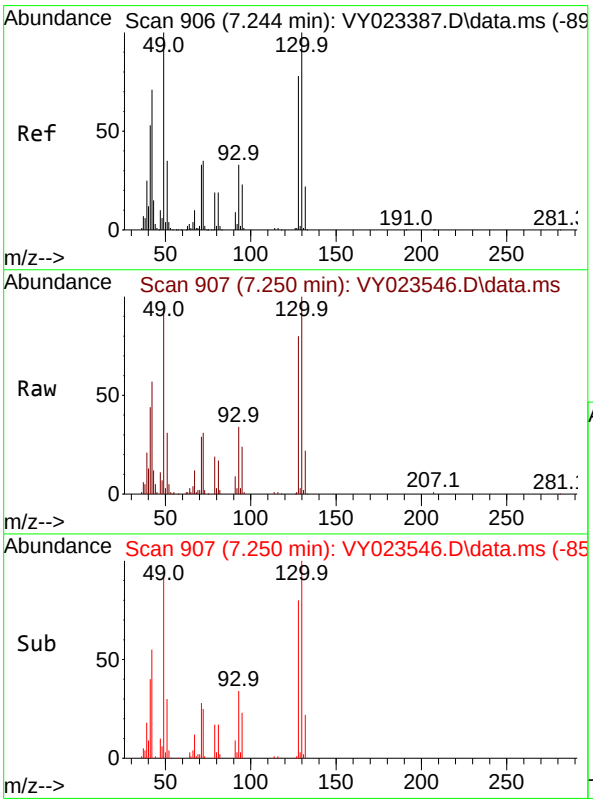
Ion	Ratio	Lower	Upper
96	100		
61	120.7	0.0	258.2
98	64.8	0.0	132.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

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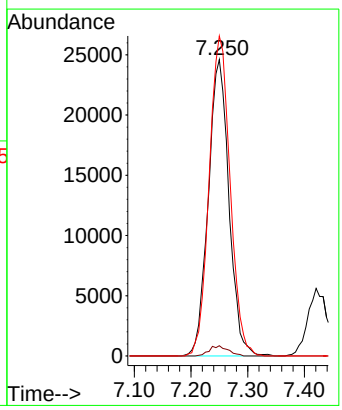


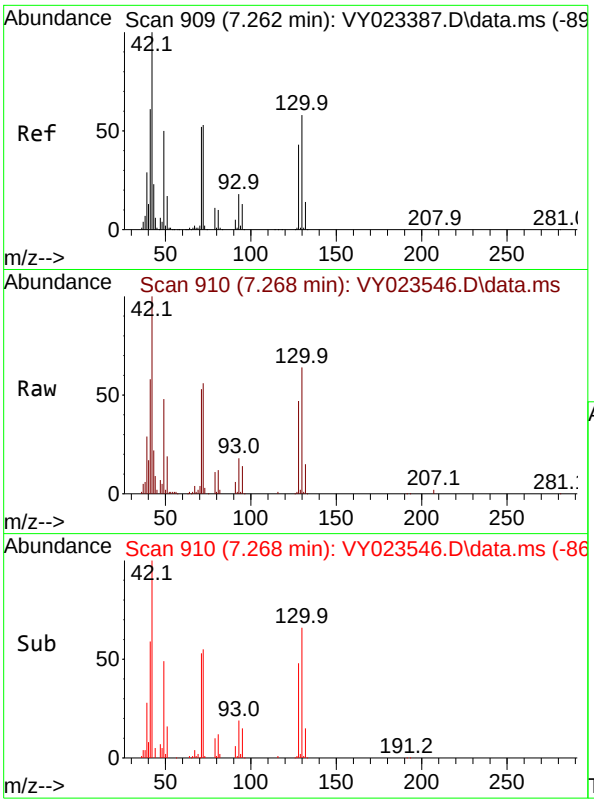


#28
Bromochloromethane
Concen: 19.335 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 49 Resp: 62387

Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	109.4	81.9	122.9

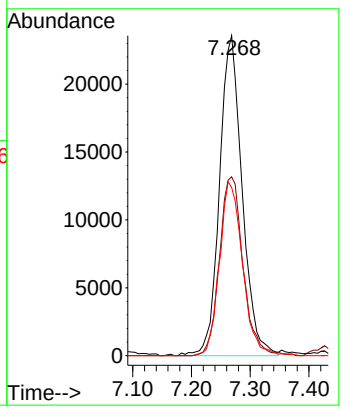




#29
Tetrahydrofuran
Concen: 84.474 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 42 Resp: 6317

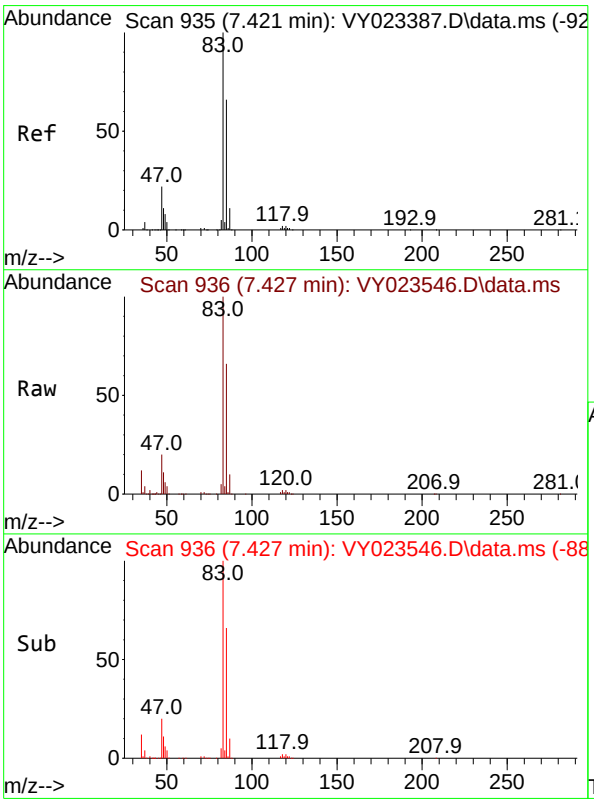
Ion	Ratio	Lower	Upper
42	100		
72	58.1	43.0	64.6
71	55.5	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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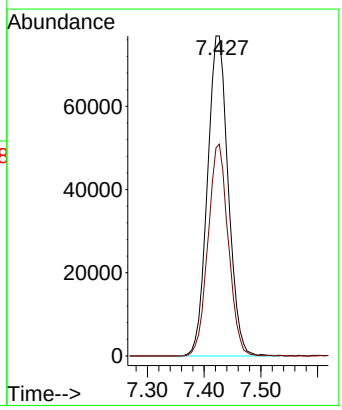
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

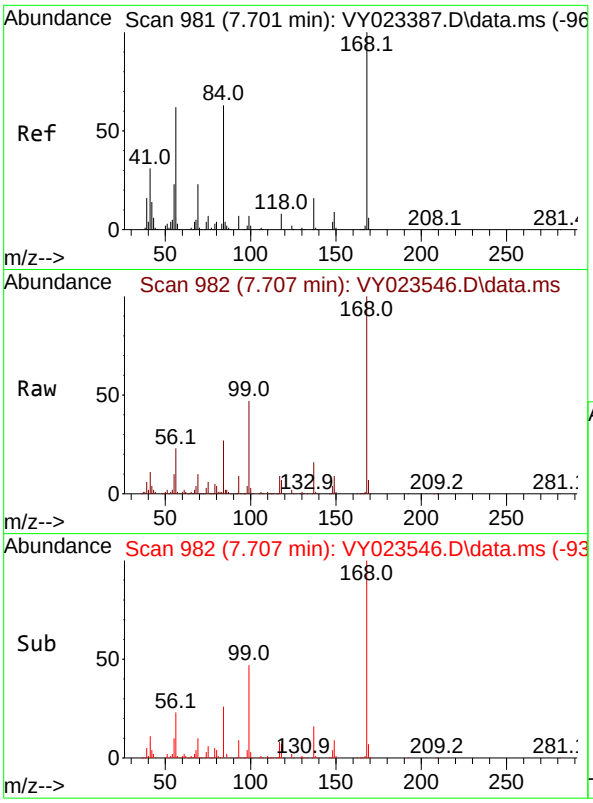


#30
Chloroform
Concen: 20.573 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 83 Resp: 195371

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.5	78.7

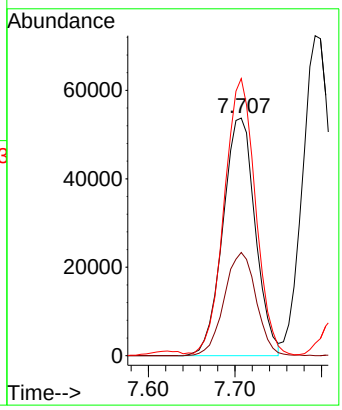




#31
Cyclohexane
Concen: 18.508 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 56 Resp: 13970

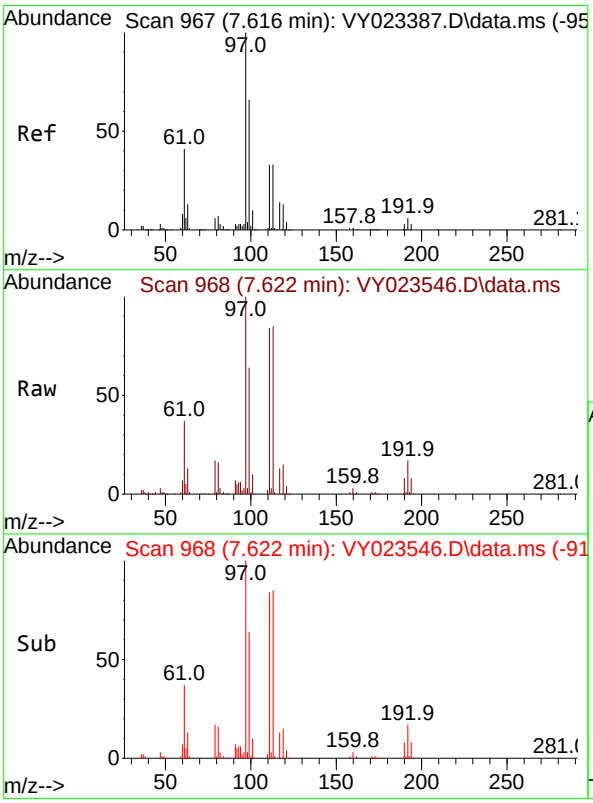
Ion	Ratio	Lower	Upper
56	100		
69	43.4	30.0	45.0
84	114.9	81.2	121.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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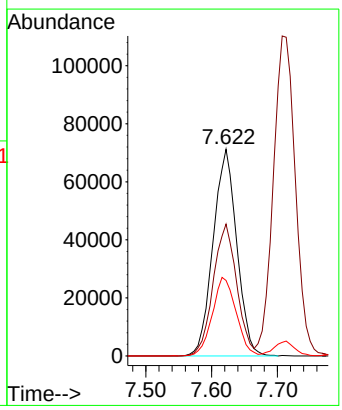
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

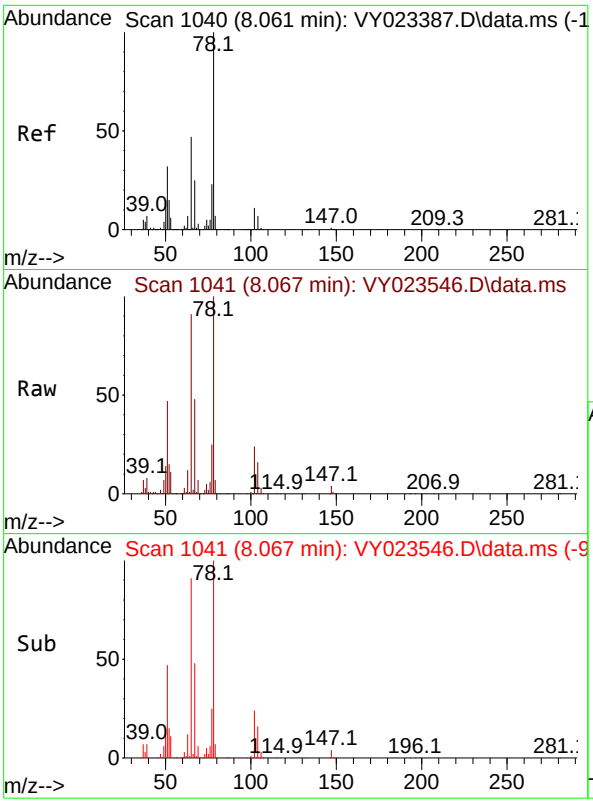


#32
1,1,1-Trichloroethane
Concen: 20.674 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 97 Resp: 178412

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.2
61	38.2	31.9	47.9

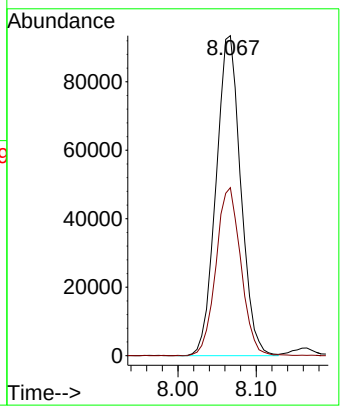




#33
1,2-Dichloroethane-d4
Concen: 45.137 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 65 Resp: 20480

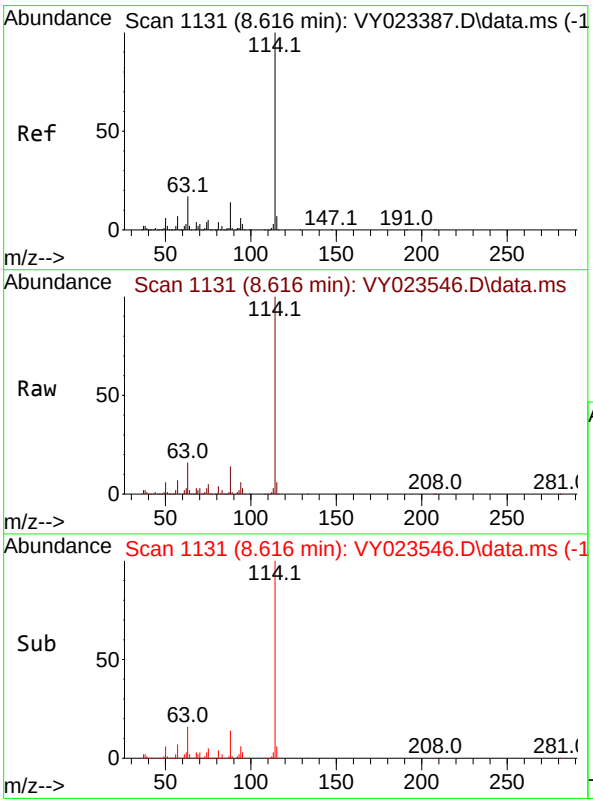
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

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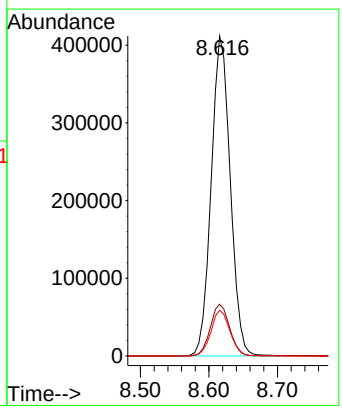
Reviewed By :Amit Patel 10/24/2025
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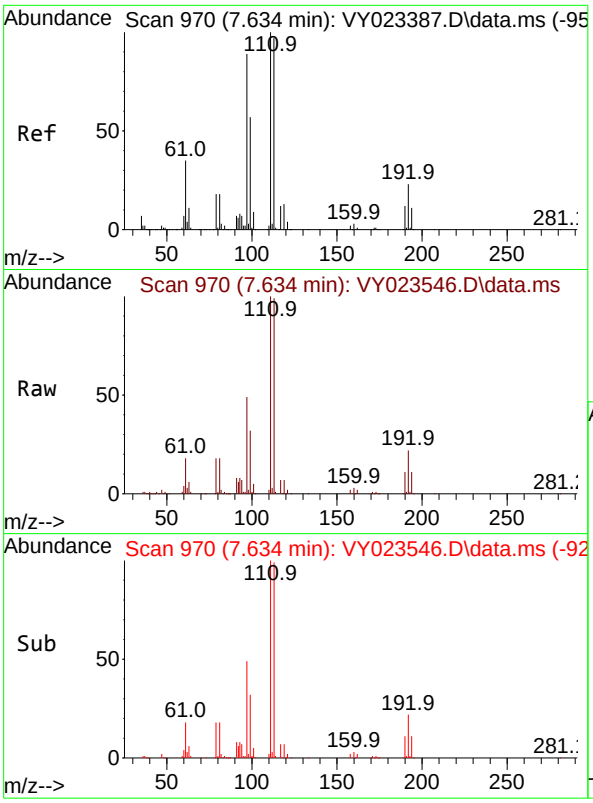


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:114 Resp: 794200

Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	34.2
88	14.3	0.0	28.4

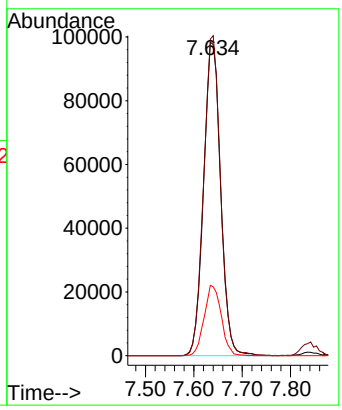




#35
Dibromofluoromethane
Concen: 49.334 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

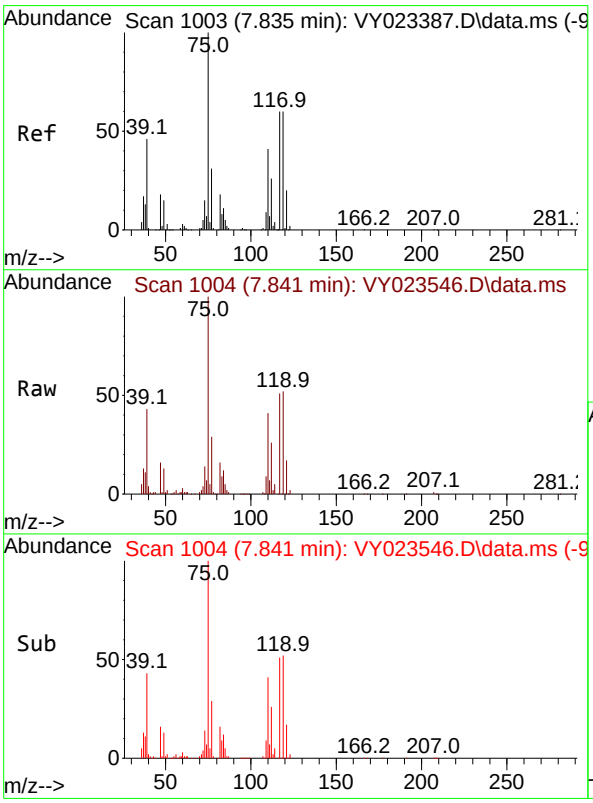
Tgt Ion:113 Resp: 24074

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.6
192	22.5	18.0	27.0



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

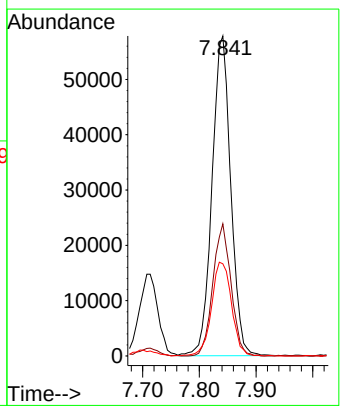
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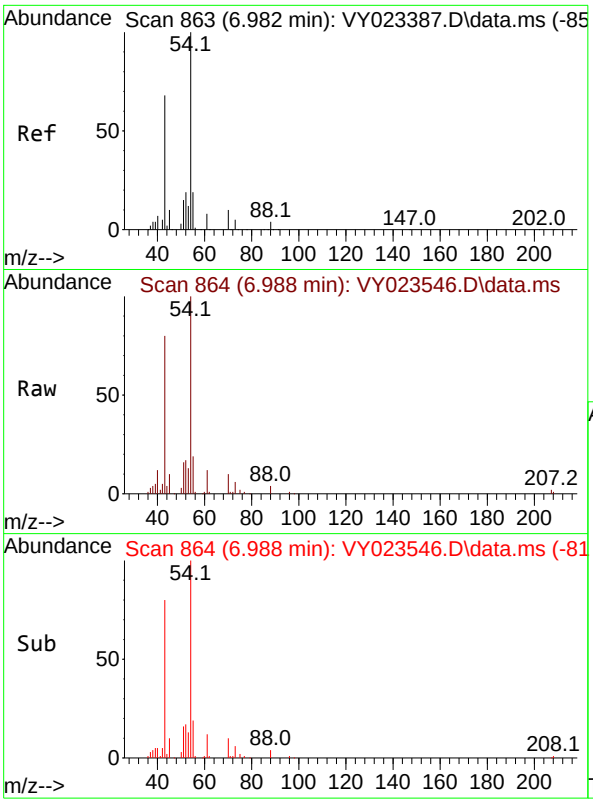


#36
1,1-Dichloropropene
Concen: 20.530 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 75 Resp: 132638

Ion	Ratio	Lower	Upper
75	100		
110	39.9	19.9	59.7
77	31.4	25.0	37.6





#37
Ethyl Acetate
Concen: 18.907 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

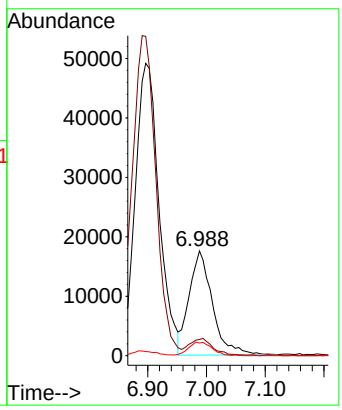
Tgt Ion: 43 Resp: 4839

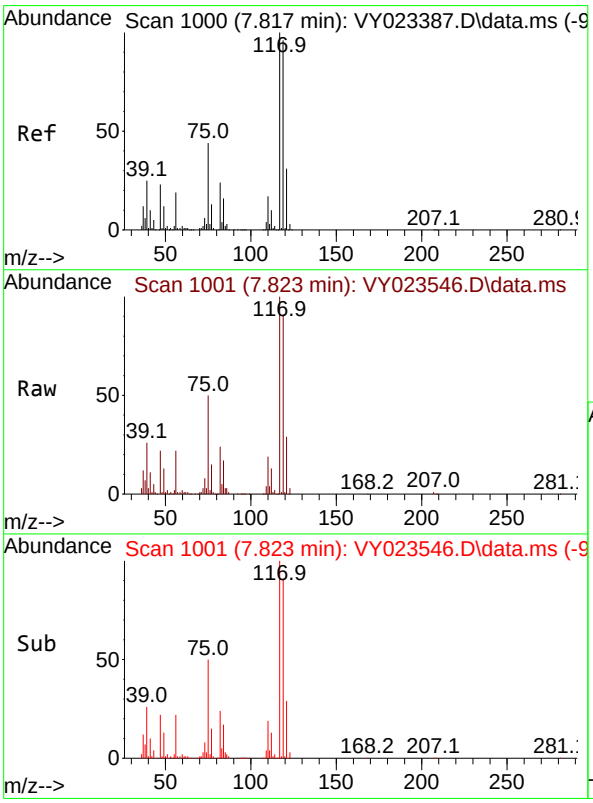
Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.8	17.8
70	13.0	10.5	15.7

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

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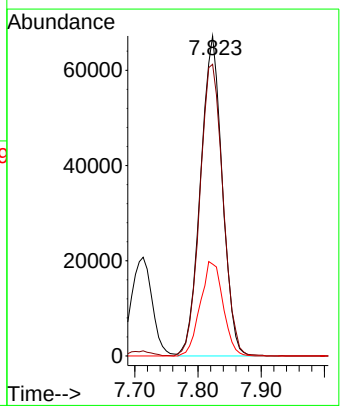


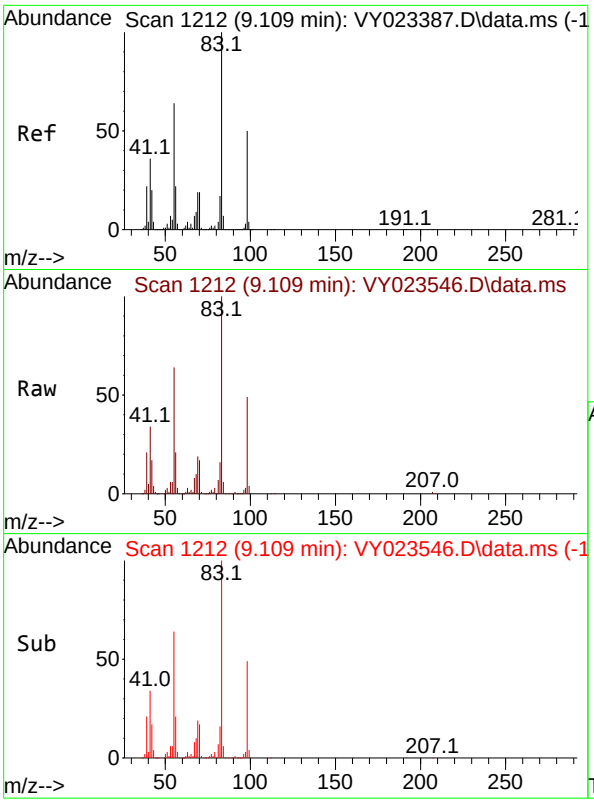


#38
Carbon Tetrachloride
Concen: 20.489 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:117 Resp: 160505

Ion	Ratio	Lower	Upper
117	100		
119	91.1	76.8	115.2
121	28.7	24.5	36.7





#39
Methylcyclohexane
Concen: 19.972 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

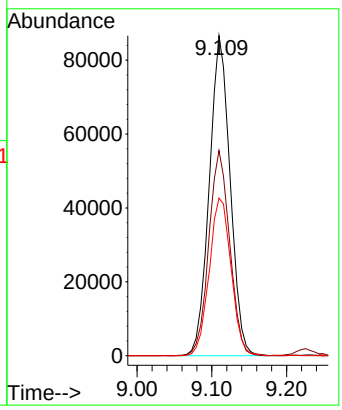
Tgt Ion: 83 Resp: 16800

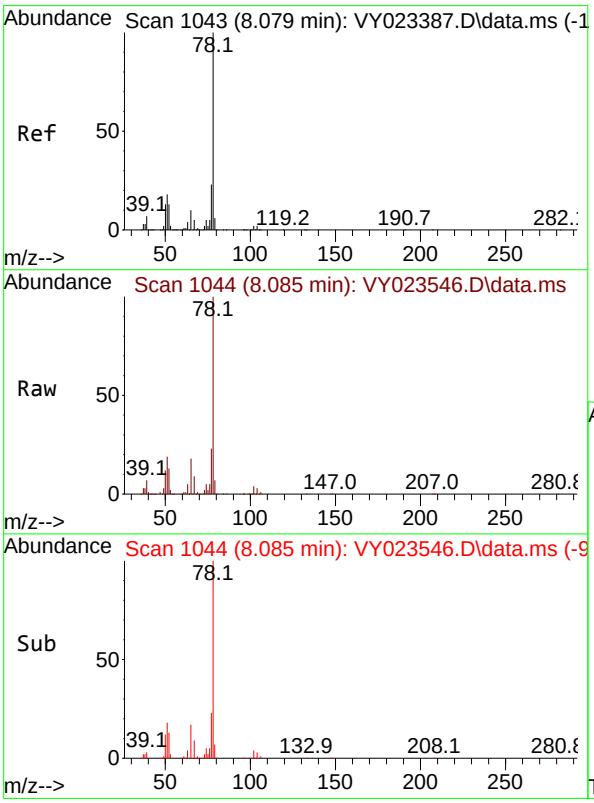
Ion	Ratio	Lower	Upper
83	100		
55	64.0	51.4	77.2
98	49.2	40.4	60.6

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

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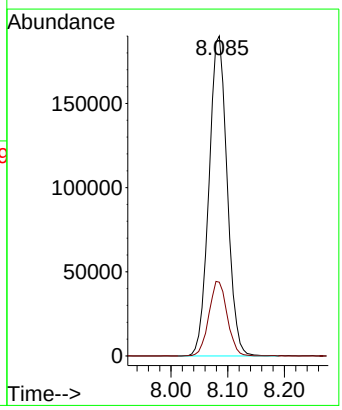


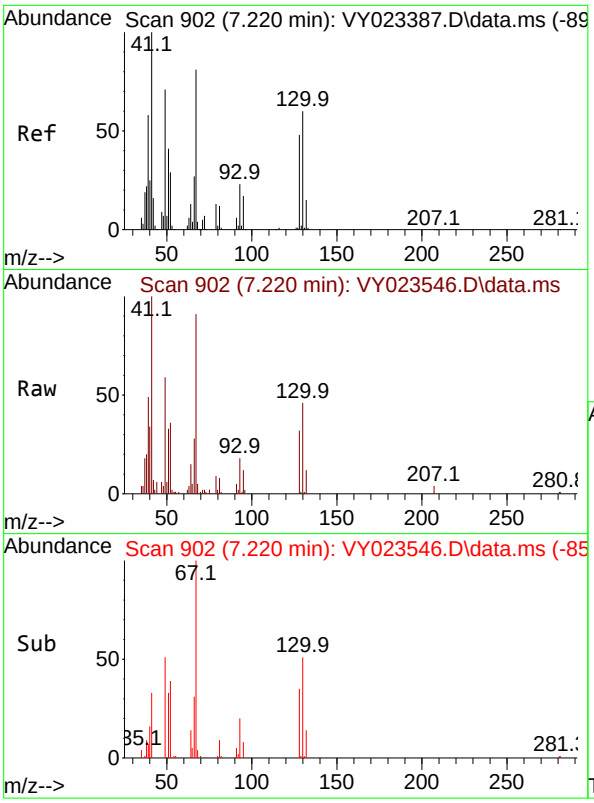


#40
Benzene
Concen: 20.677 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 78 Resp: 423056

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.3	27.5

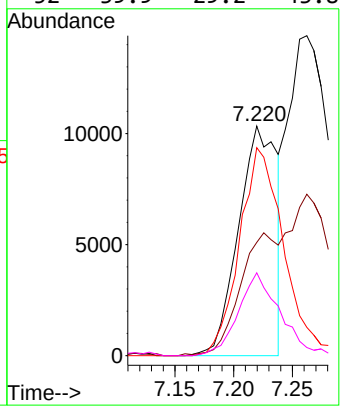




#41
Methacrylonitrile
Concen: 16.996 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 41 Resp: 2352

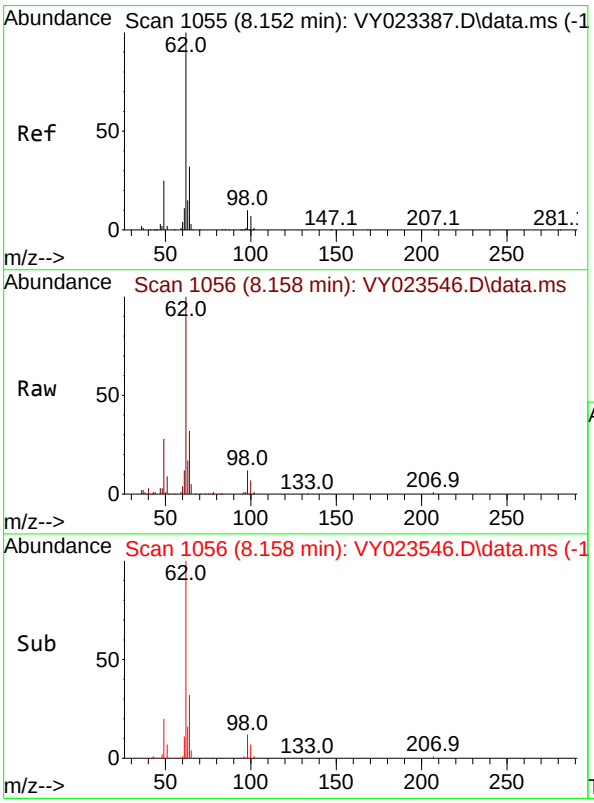
Ion	Ratio	Lower	Upper
41	100		
39	52.8	52.2	78.4
67	105.4	74.9	112.3
52	39.9	29.2	43.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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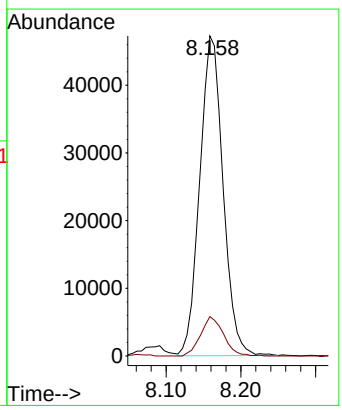
Reviewed By :Amit Patel 10/24/2025
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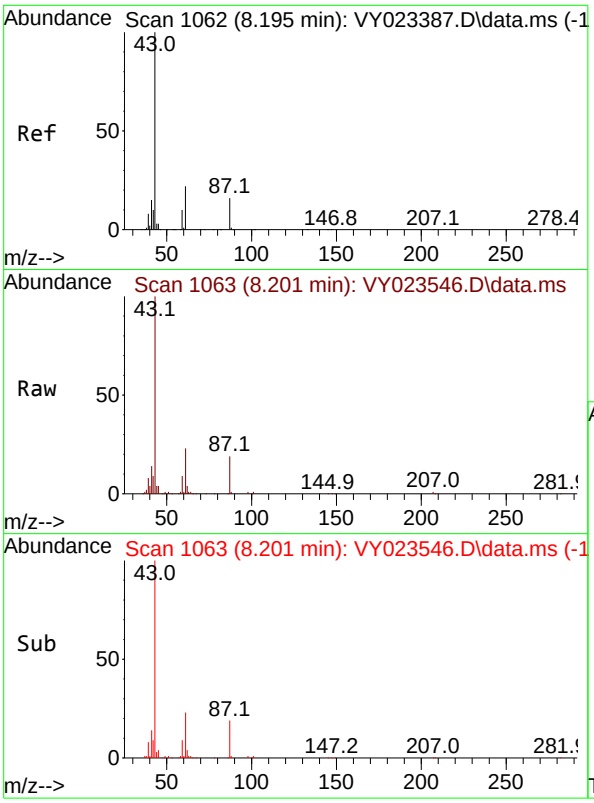


#42
1,2-Dichloroethane
Concen: 19.387 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 62 Resp: 102298

Ion	Ratio	Lower	Upper
62	100		
98	12.1	0.0	21.6





#43
Isopropyl Acetate
Concen: 18.046 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

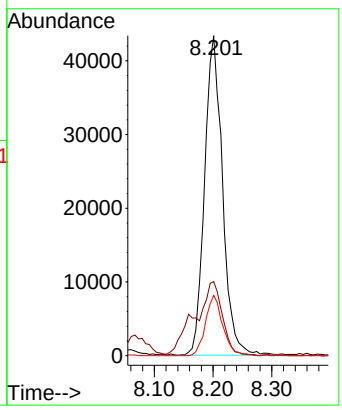
Tgt Ion: 43 Resp: 9210

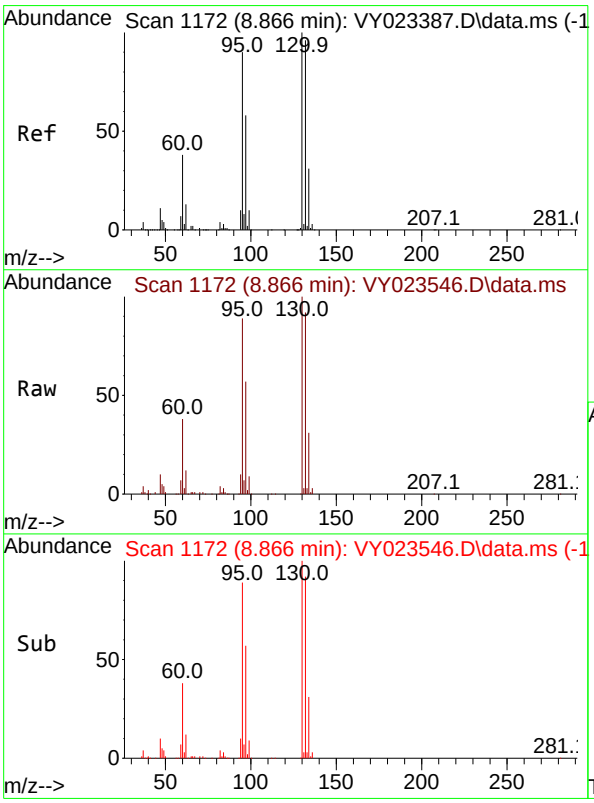
Ion	Ratio	Lower	Upper
43	100		
61	23.3	18.1	27.1
87	18.2	13.5	20.3

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

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Supervised By :Mahesh Dadoda 10/24/2025

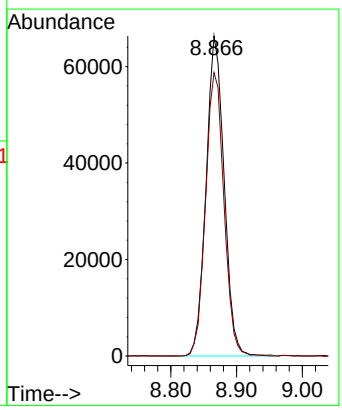


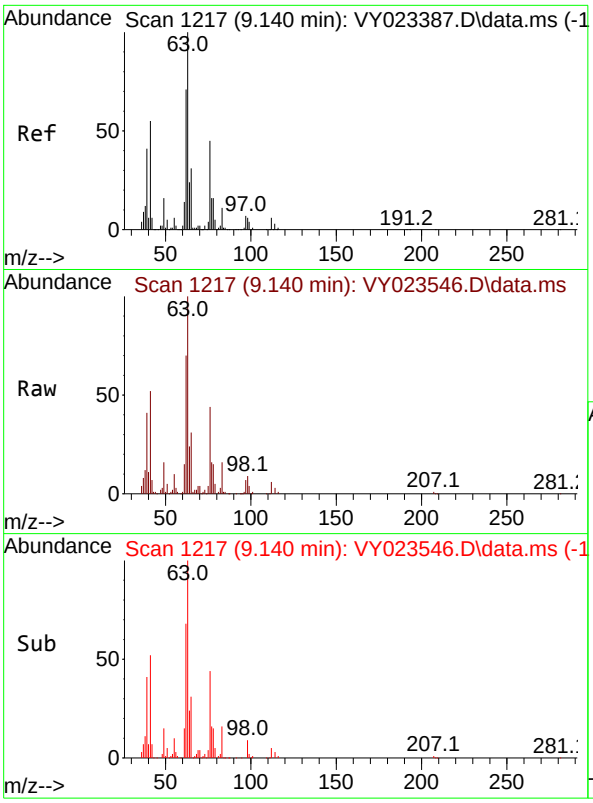


#44
Trichloroethene
Concen: 21.155 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:130 Resp: 126688

Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	180.6

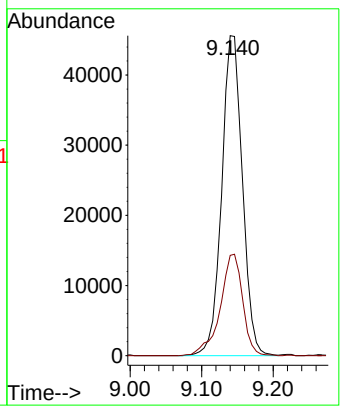




#45
1,2-Dichloropropane
Concen: 20.314 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 63 Resp: 9180

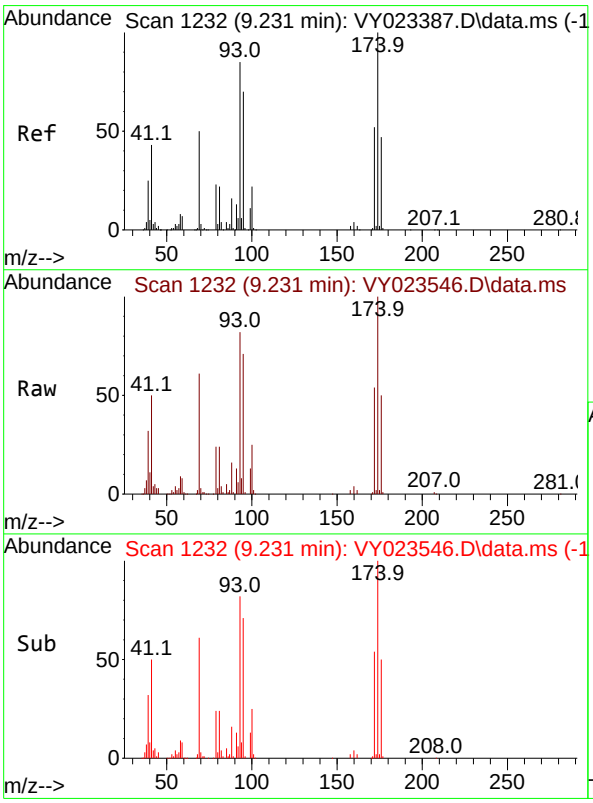
Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.9	37.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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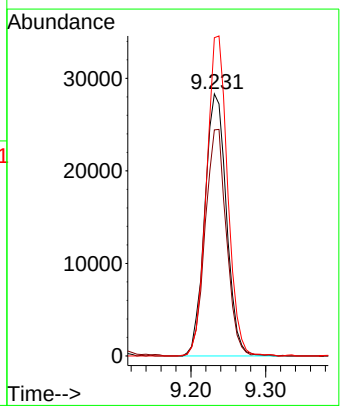
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

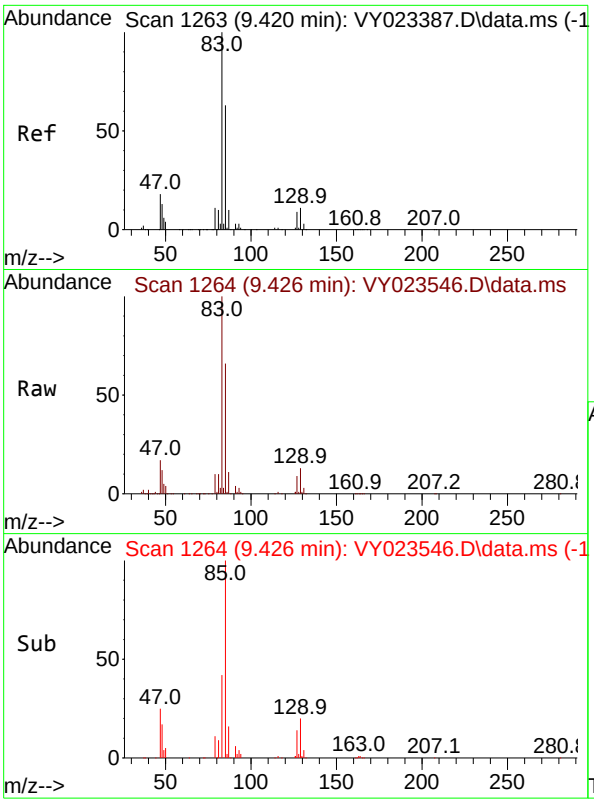


#46
Dibromomethane
Concen: 19.927 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 93 Resp: 56943

Ion	Ratio	Lower	Upper
93	100		
95	84.9	65.4	98.0
174	119.2	92.9	139.3

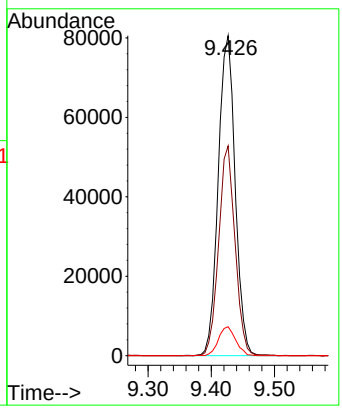




#47
Bromodichloromethane
Concen: 20.710 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 83 Resp: 14904

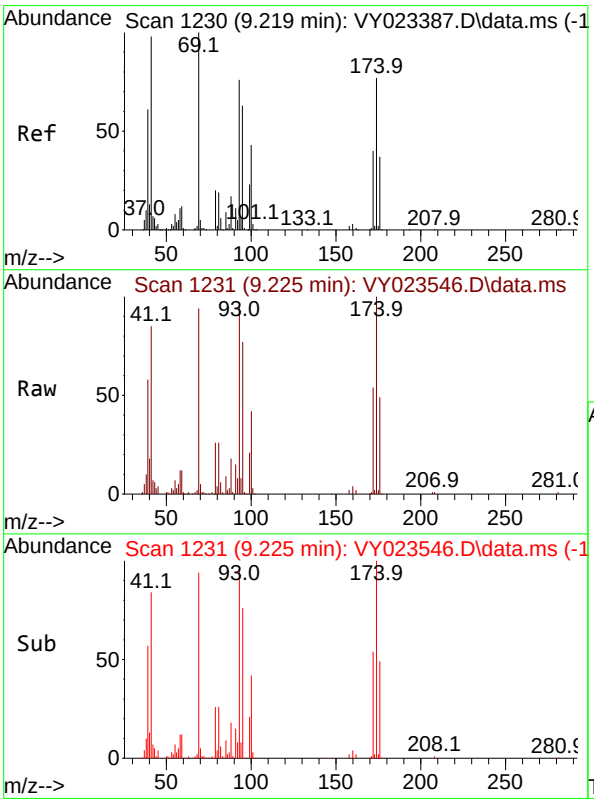
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.8	76.2
127	9.1	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

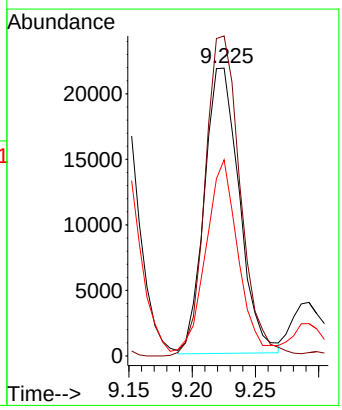
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

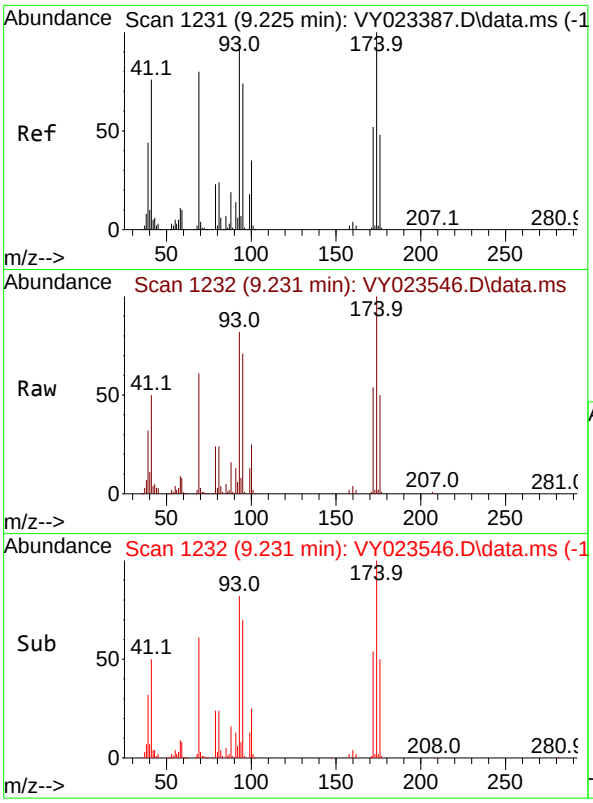


#48
Methyl methacrylate
Concen: 17.463 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 41 Resp: 41870

Ion	Ratio	Lower	Upper
41	100		
69	112.3	81.0	121.4
39	60.8	48.2	72.4

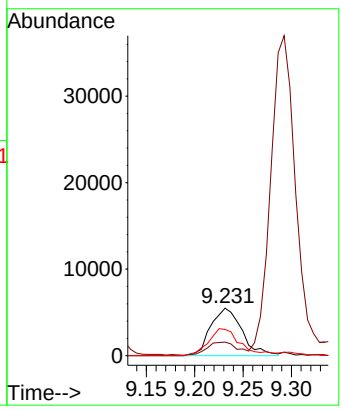




#49
1,4-Dioxane
Concen: 372.543 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 88 Resp: 1234

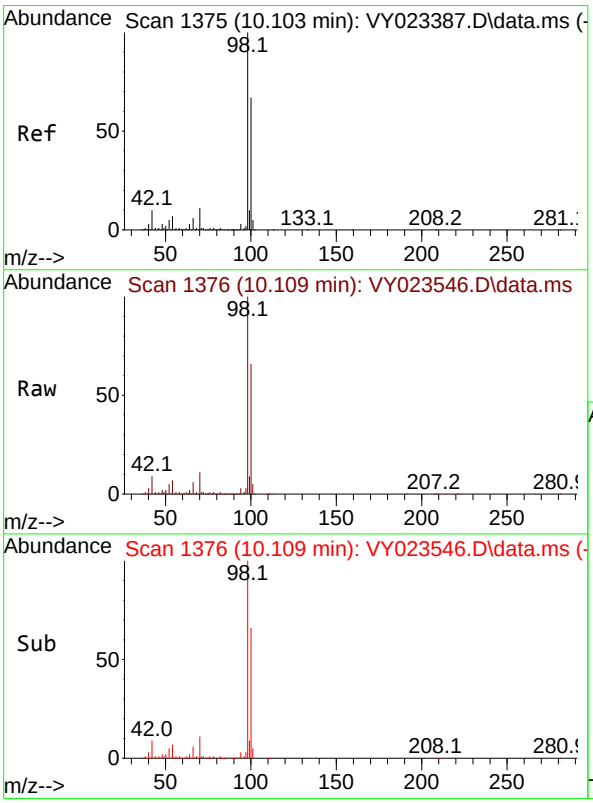
Ion	Ratio	Lower	Upper
88	100		
43	26.7	21.8	32.8
58	56.9	46.8	70.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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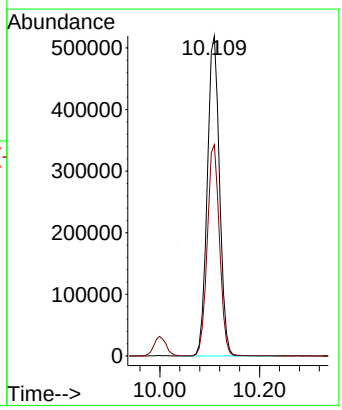
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

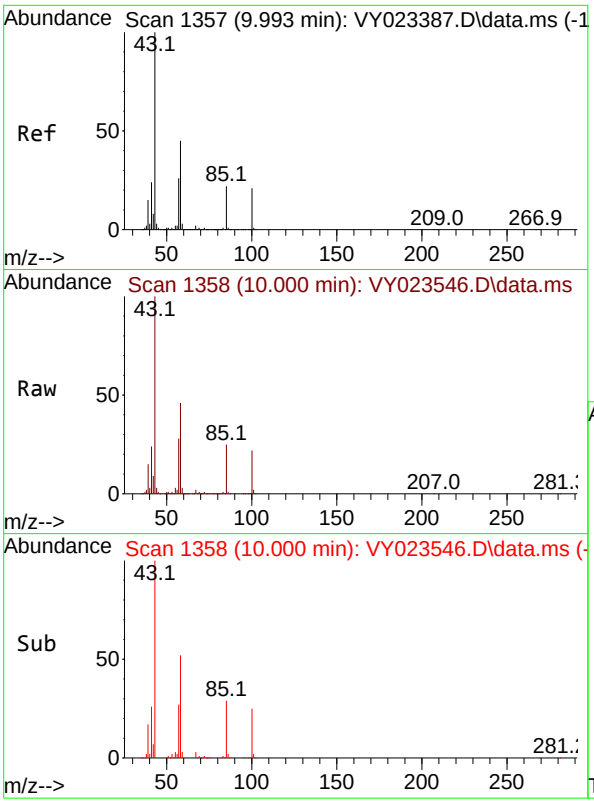


#50
Toluene-d8
Concen: 48.611 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 98 Resp: 883426

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 91.359 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

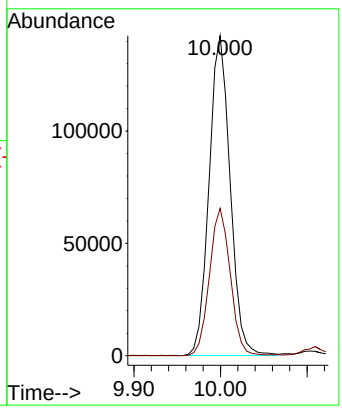
Tgt Ion: 43 Resp: 24090

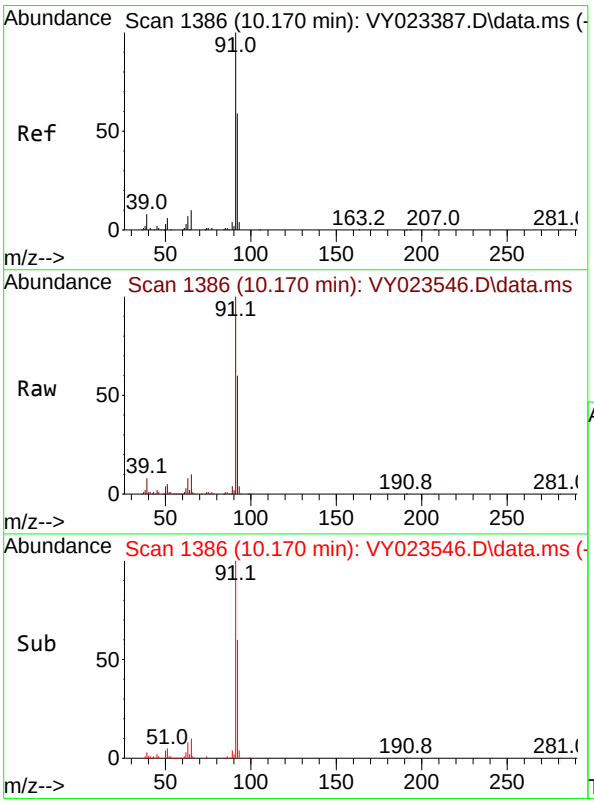
Ion	Ratio	Lower	Upper
43	100		
58	45.5	35.3	52.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

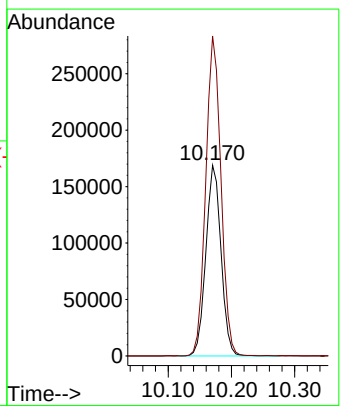


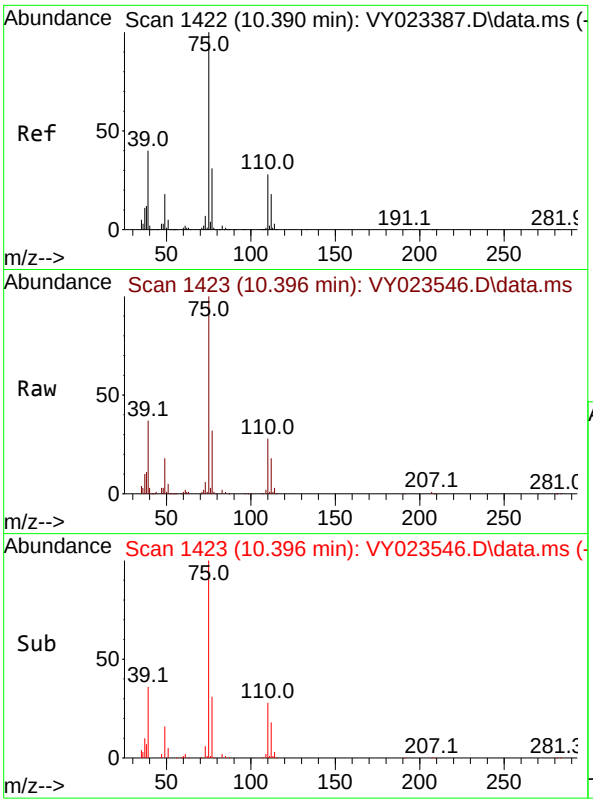


#52
Toluene
Concen: 21.186 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 92 Resp: 281449

Ion	Ratio	Lower	Upper
92	100		
91	168.1	136.4	204.6

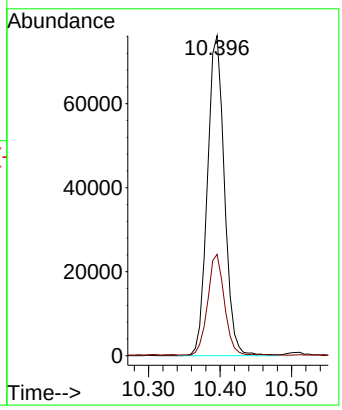




#53
t-1,3-Dichloropropene
Concen: 20.087 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 75 Resp: 12569

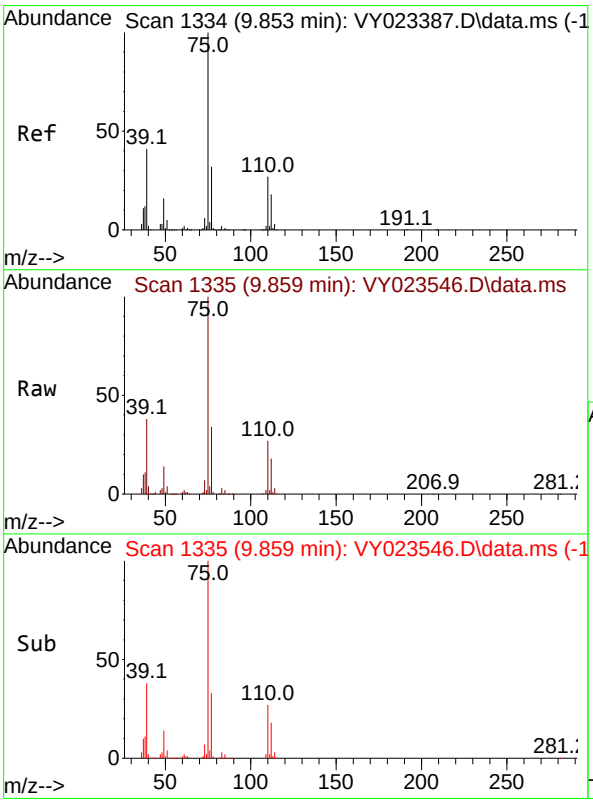
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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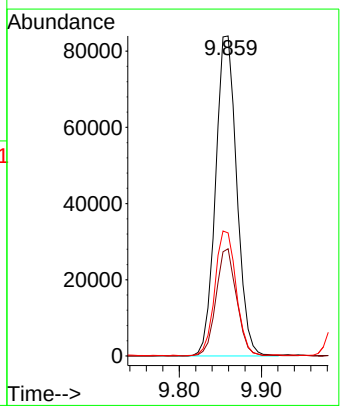
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

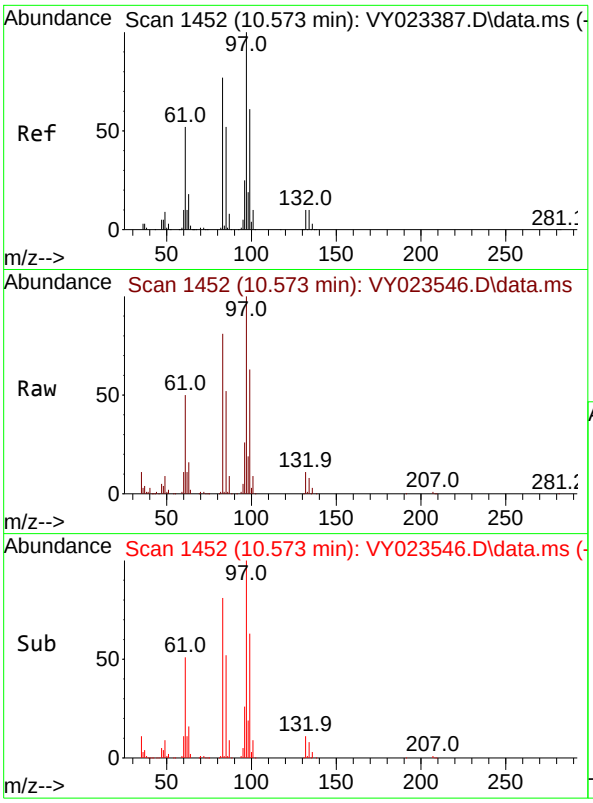


#54
cis-1,3-Dichloropropene
Concen: 20.389 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 75 Resp: 150591

Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.4	38.0
39	38.3	32.8	49.2

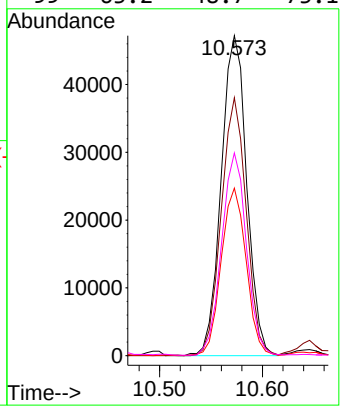




#55
1,1,2-Trichloroethane
Concen: 21.184 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 97 Resp: 8140

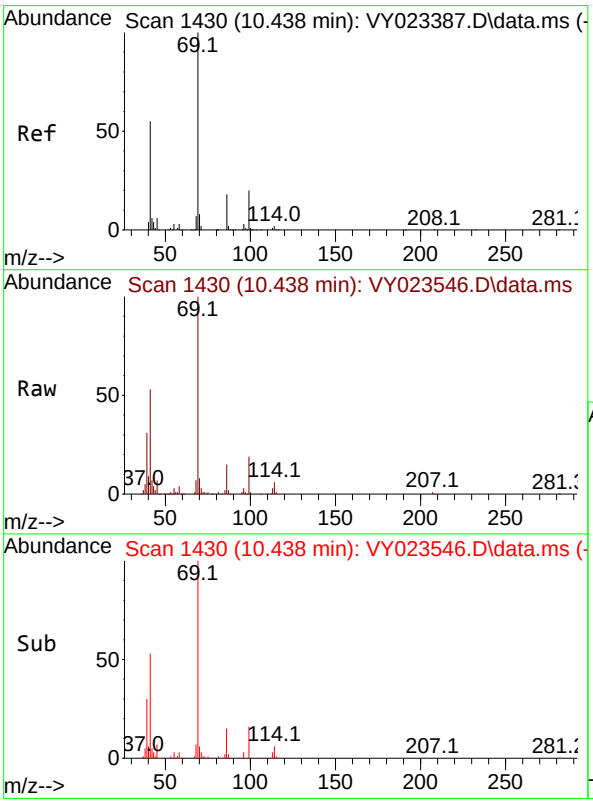
Ion	Ratio	Lower	Upper
97	100		
83	80.4	61.8	92.6
85	52.4	41.3	61.9
99	63.2	48.7	73.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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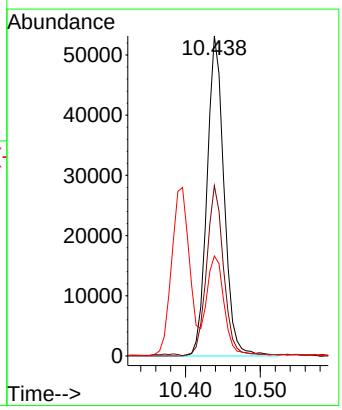
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

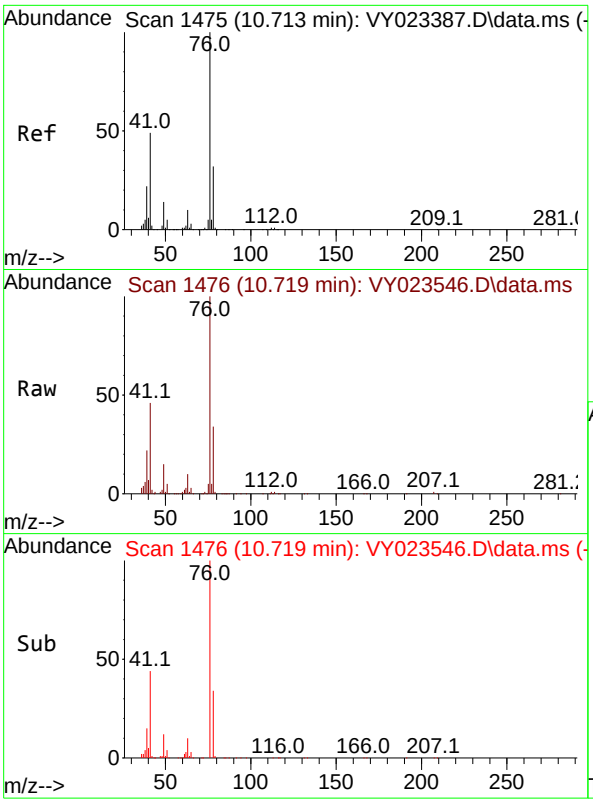


#56
Ethyl methacrylate
Concen: 18.994 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 69 Resp: 84192

Ion	Ratio	Lower	Upper
69	100		
41	52.9	44.6	67.0
39	30.6	27.0	40.4





#57
1,3-Dichloropropane
Concen: 20.266 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

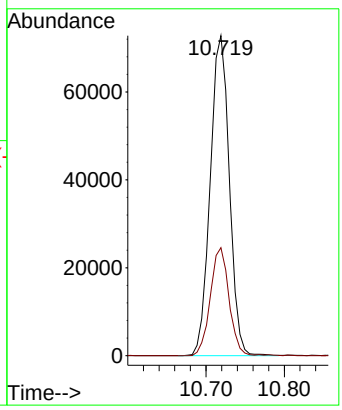
Tgt Ion: 76 Resp: 12340

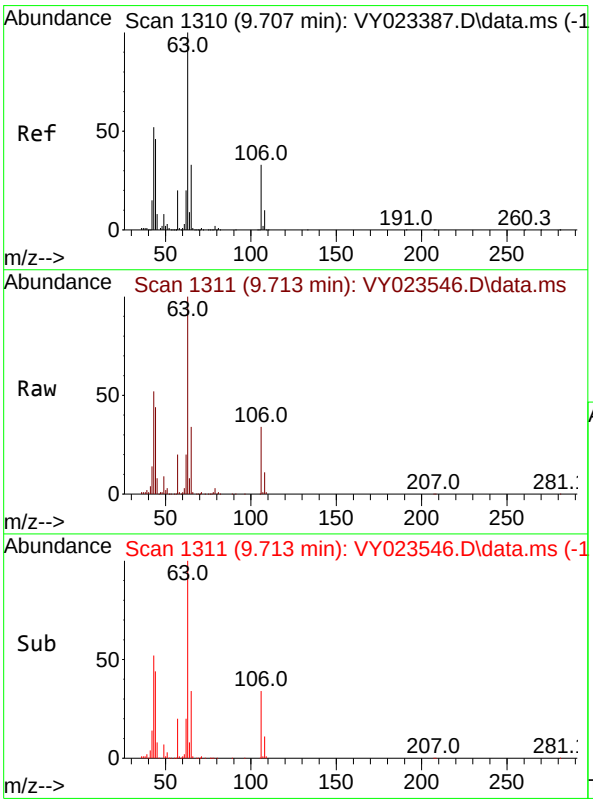
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

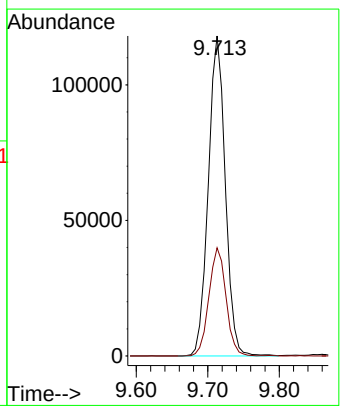


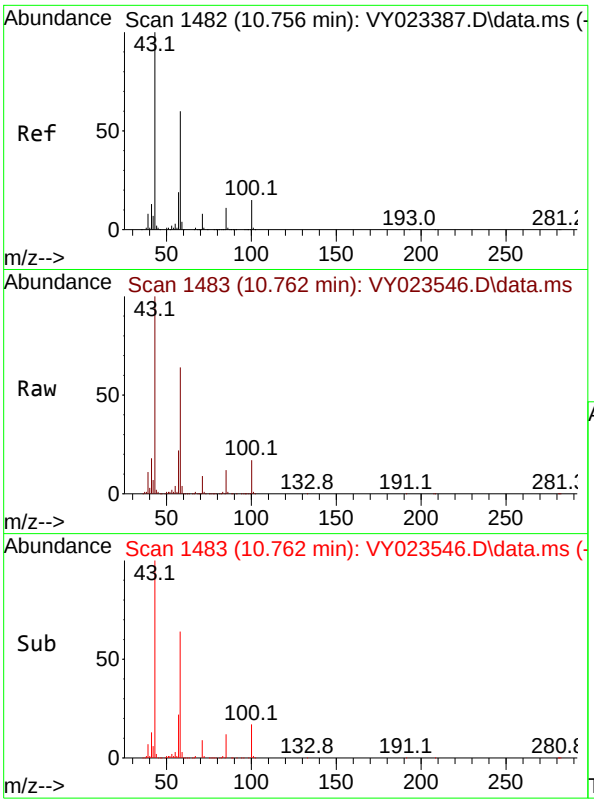


#58
2-Chloroethyl Vinyl ether
Concen: 98.074 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 63 Resp: 194748

Ion	Ratio	Lower	Upper
63	100		
106	34.0	26.6	39.8





#59
2-Hexanone
Concen: 102.481 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

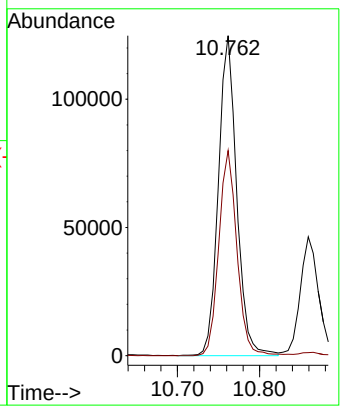
Tgt Ion: 43 Resp: 19312

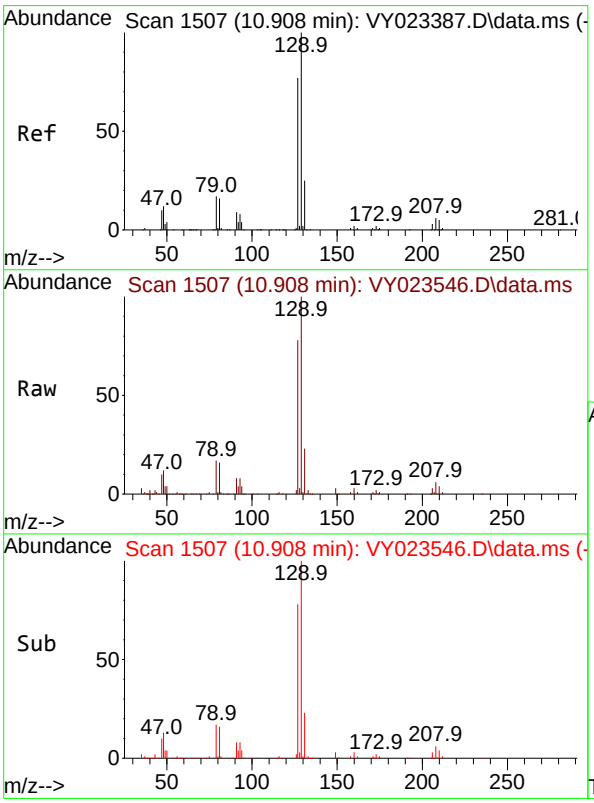
Ion	Ratio	Lower	Upper
43	100		
58	63.4	30.5	91.5

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

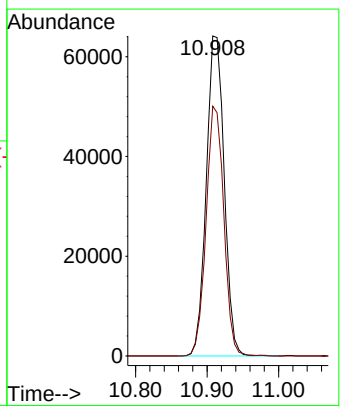


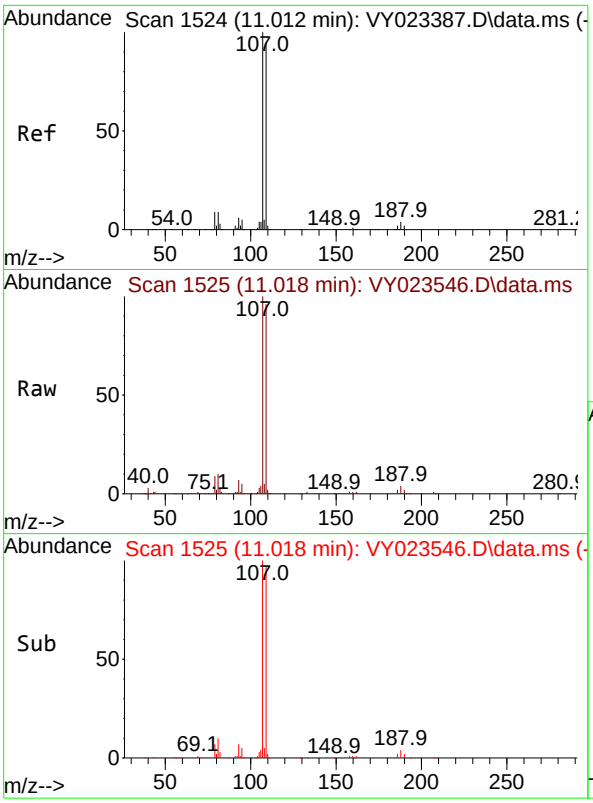


#60
Dibromochloromethane
Concen: 20.721 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:129 Resp: 111638

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.7

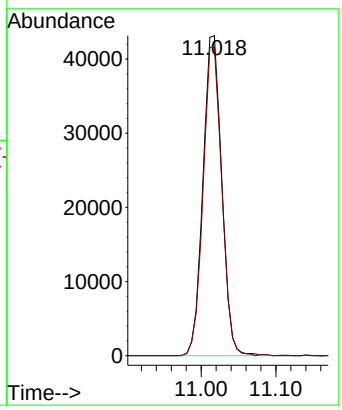




#61
1,2-Dibromoethane
Concen: 20.524 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:107 Resp: 7521

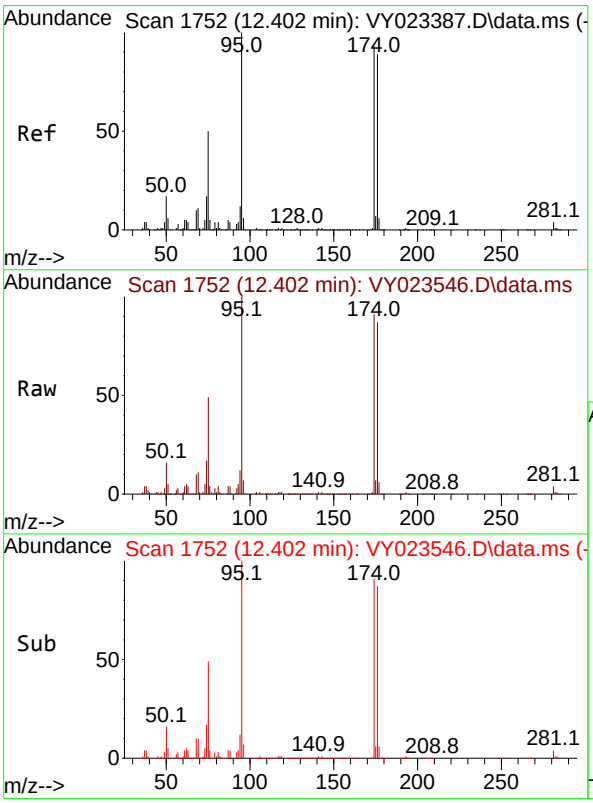
Ion	Ratio	Lower	Upper
107	100		
109	95.8	76.1	114.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

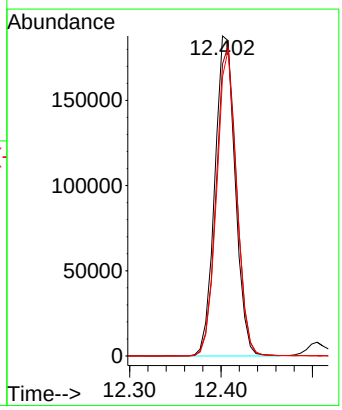
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

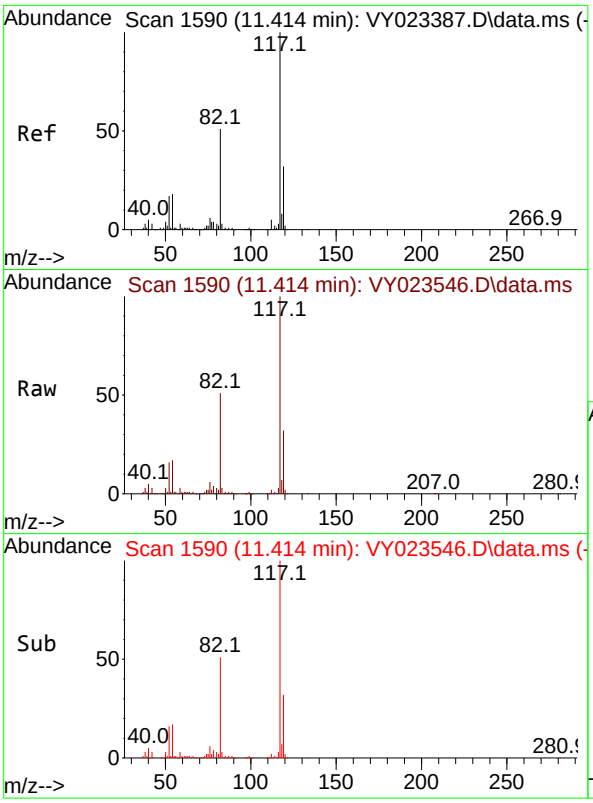


#62
4-Bromofluorobenzene
Concen: 48.735 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 95 Resp: 292410

Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	192.8
176	93.1	0.0	187.6

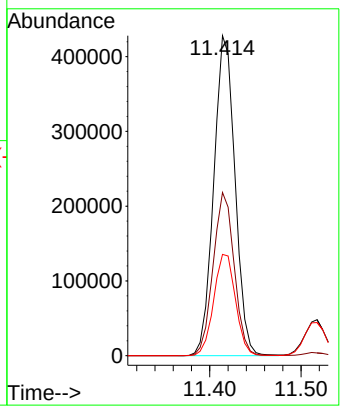




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

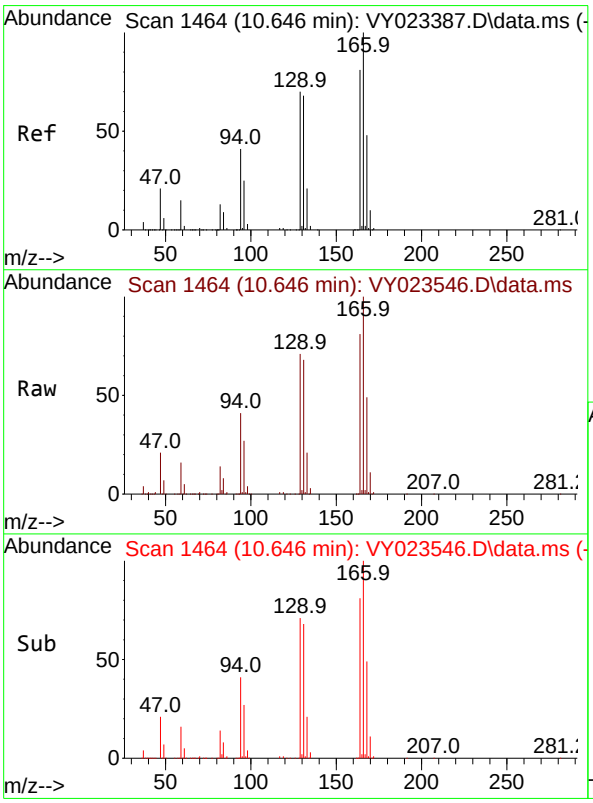
Tgt Ion:117 Resp: 69178

Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.0	61.4
119	31.6	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

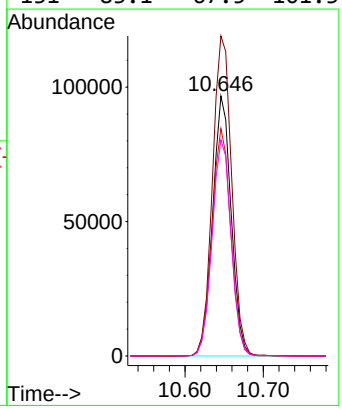
Manual Integrations
APPROVED
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

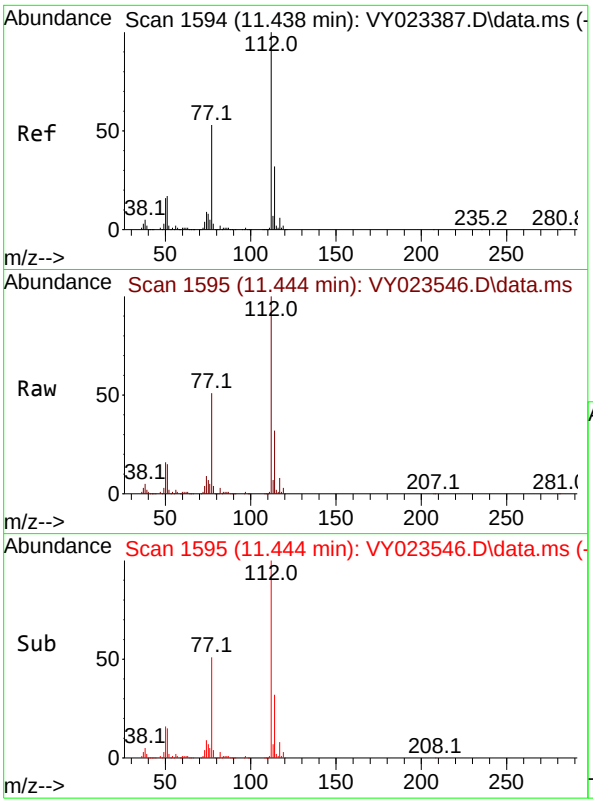


#64
Tetrachloroethene
Concen: 22.316 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:164 Resp: 159402

Ion	Ratio	Lower	Upper
164	100		
166	123.0	99.4	149.0
129	87.4	69.4	104.2
131	83.1	67.5	101.3

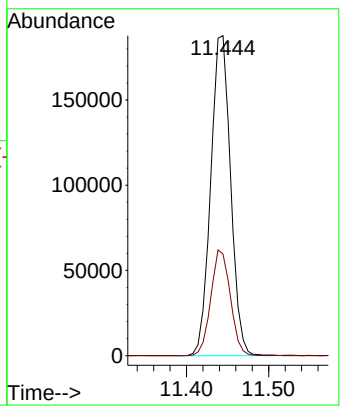




#65
Chlorobenzene
Concen: 20.995 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:112 Resp: 31588

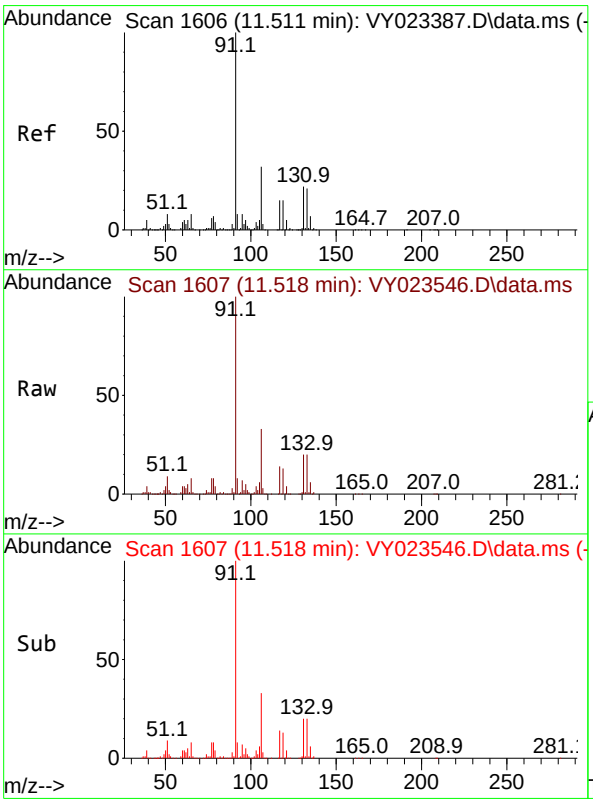
Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.6	38.4



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

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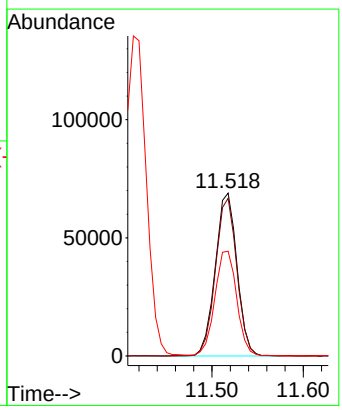
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

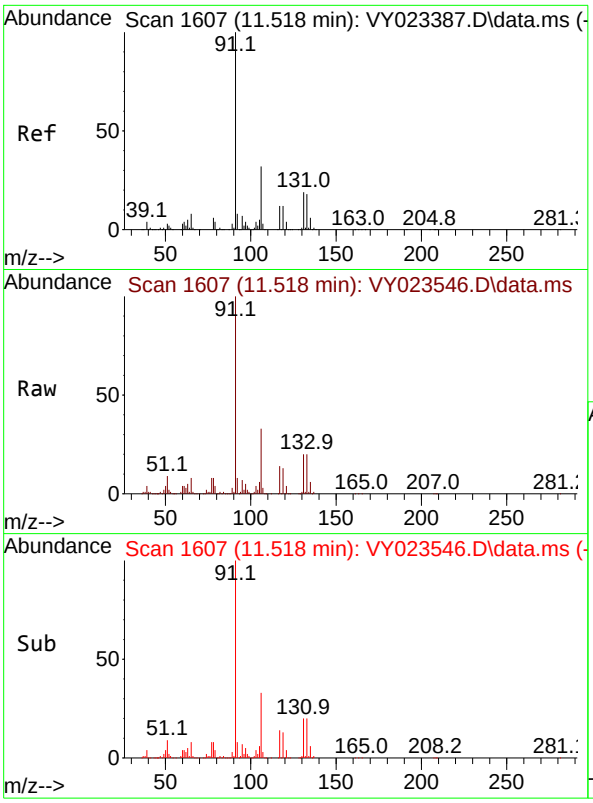


#66
1,1,1,2-Tetrachloroethane
Concen: 21.234 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:131 Resp: 113849

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.4	145.2
119	65.3	32.4	97.2

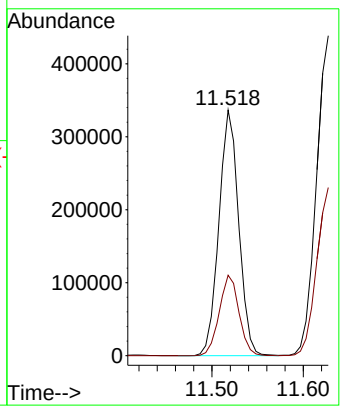




#67
Ethyl Benzene
Concen: 20.807 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 91 Resp: 50676

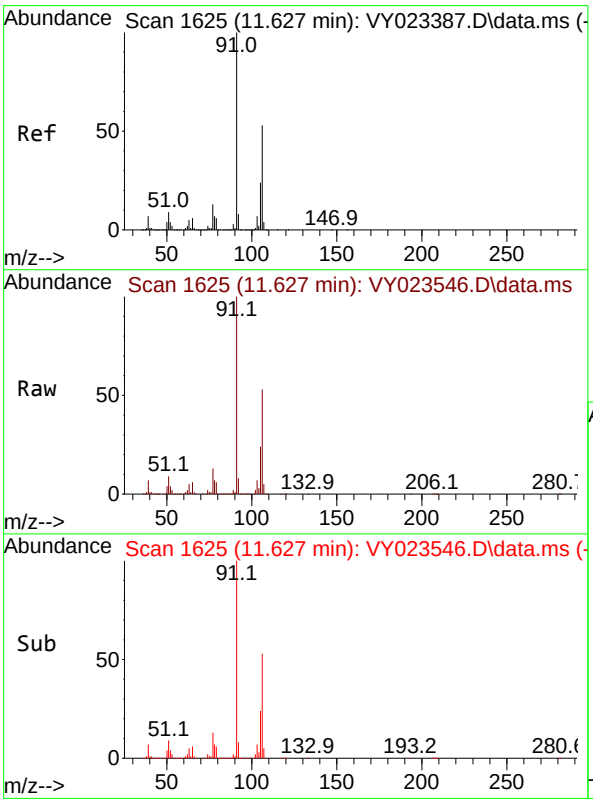
Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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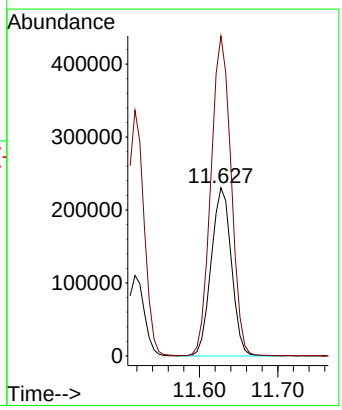
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

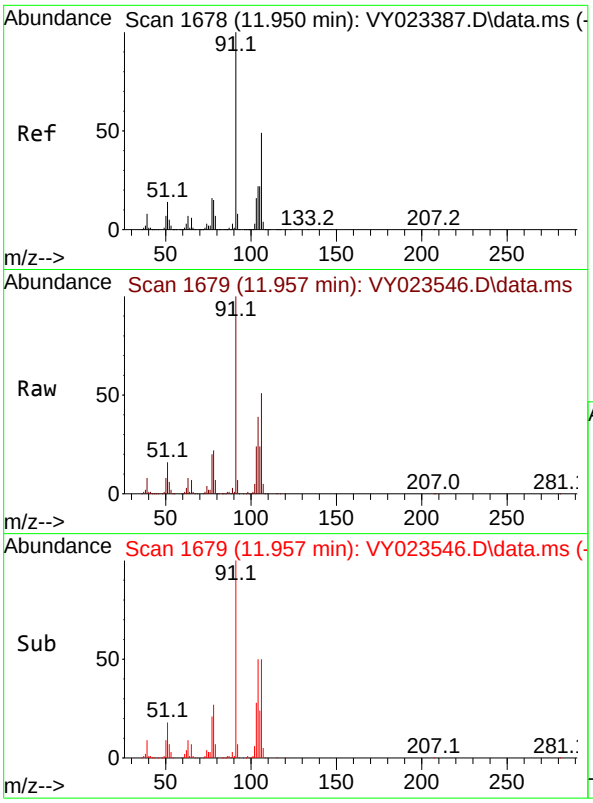


#68
m/p-Xylenes
Concen: 42.235 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:106 Resp: 412583

Ion	Ratio	Lower	Upper
106	100		
91	190.4	152.6	229.0

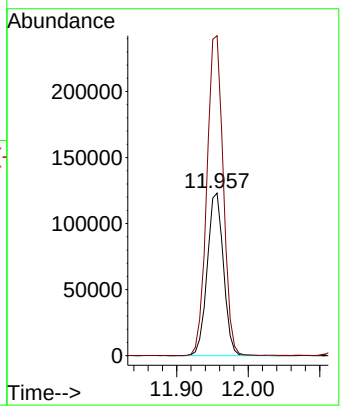




#69
o-Xylene
Concen: 21.110 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:106 Resp: 19342

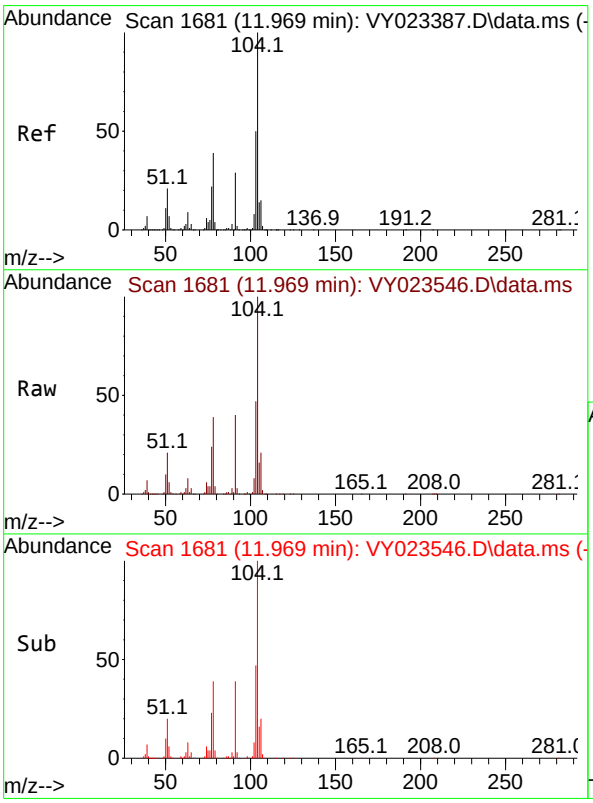
Ion	Ratio	Lower	Upper
106	100		
91	199.0	101.4	304.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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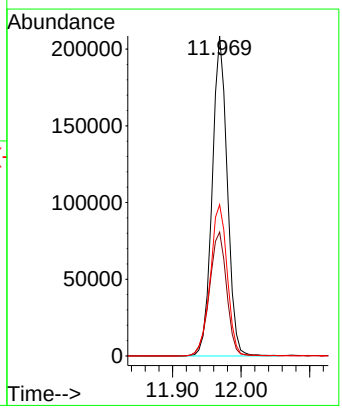
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

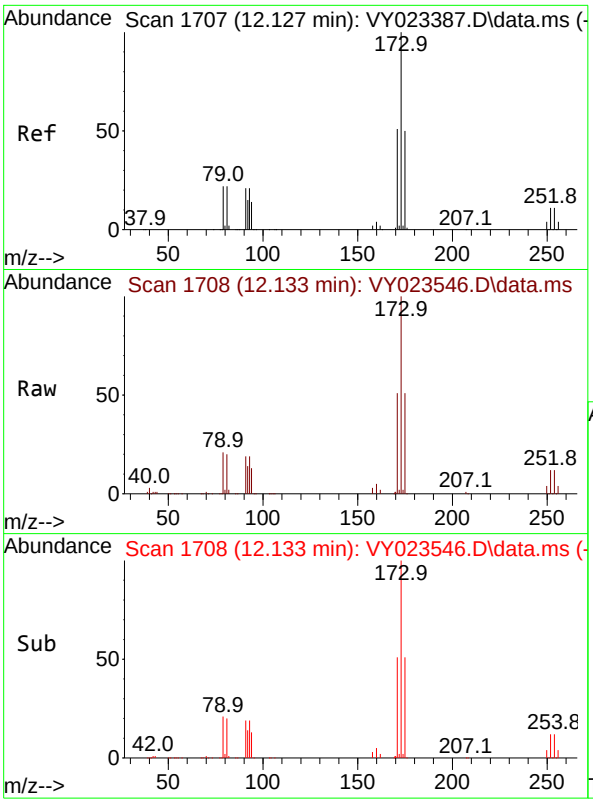


#70
Styrene
Concen: 21.173 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:104 Resp: 319023

Ion	Ratio	Lower	Upper
104	100		
78	44.1	36.1	54.1
103	53.1	43.2	64.8

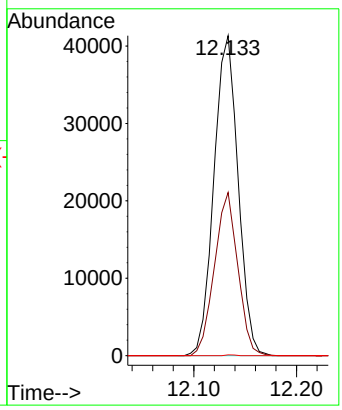




#71
Bromoform
Concen: 20.257 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

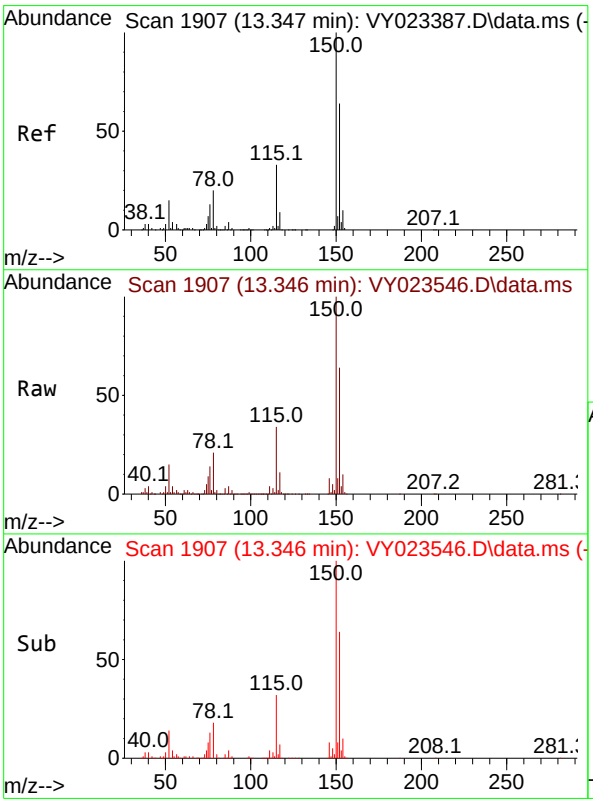
Tgt Ion:173 Resp: 6737

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.8	74.3
254	0.1	0.1	0.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

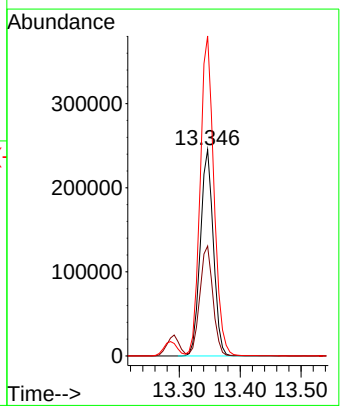
Manual Integrations
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Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

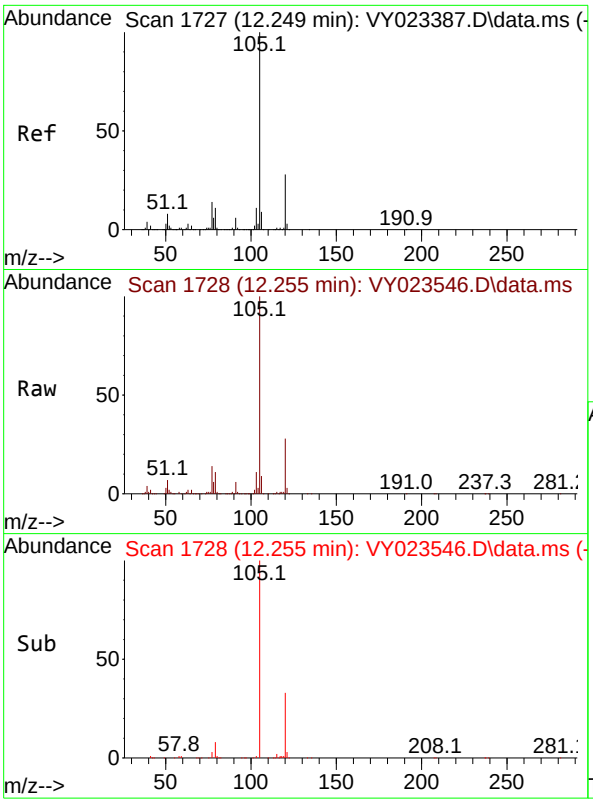


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:152 Resp: 364513

Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.1	81.2
150	164.2	0.0	347.4

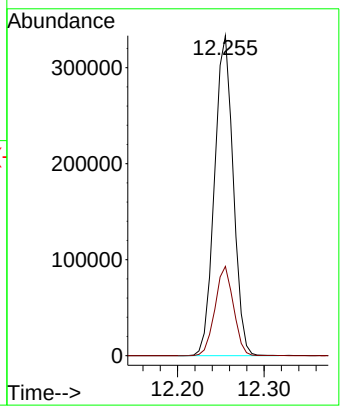




#73
Isopropylbenzene
Concen: 20.816 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:105 Resp: 50003

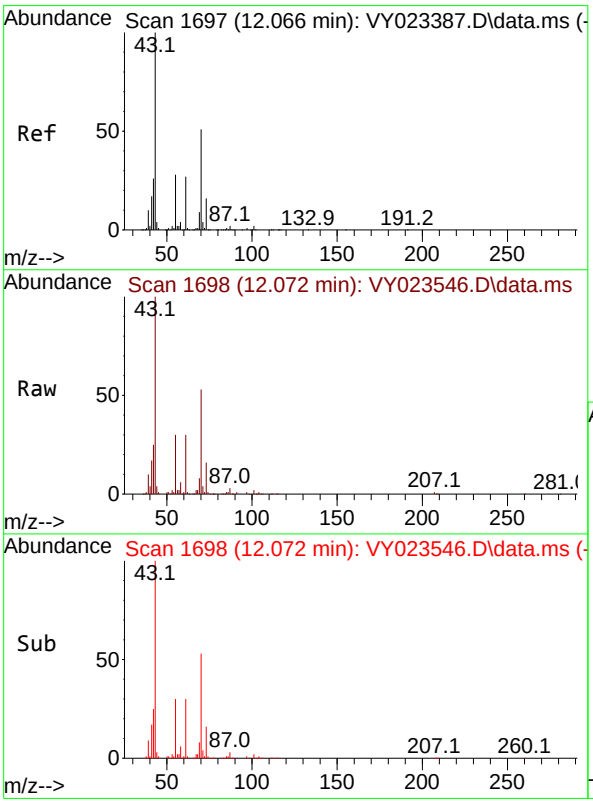
Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.9	41.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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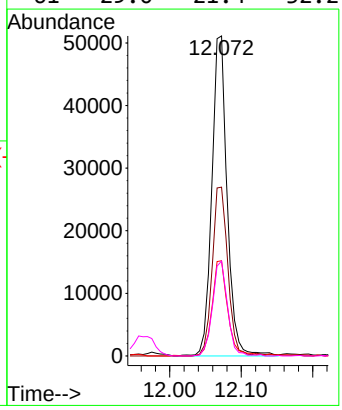
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

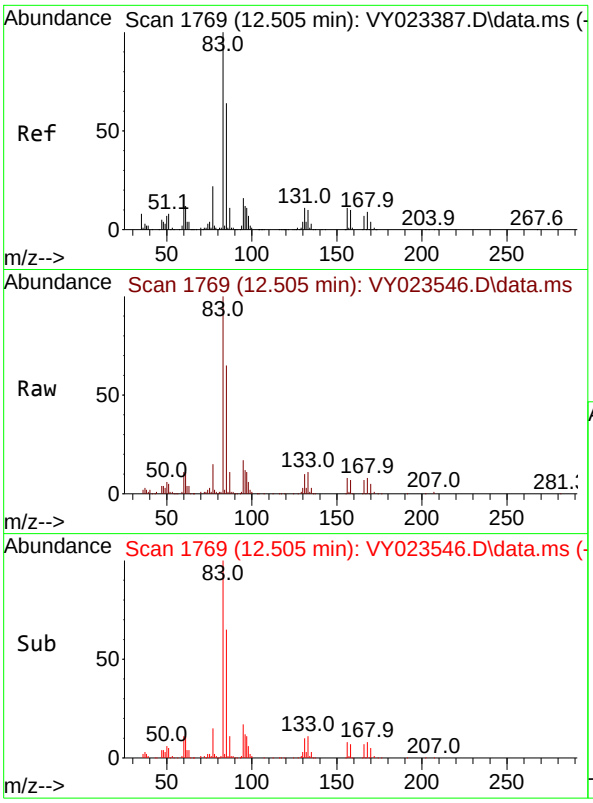


#74
N-amyl acetate
Concen: 17.641 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 43 Resp: 76114

Ion	Ratio	Lower	Upper
43	100		
70	53.4	41.1	61.7
55	30.3	23.0	34.6
61	29.0	21.4	32.2

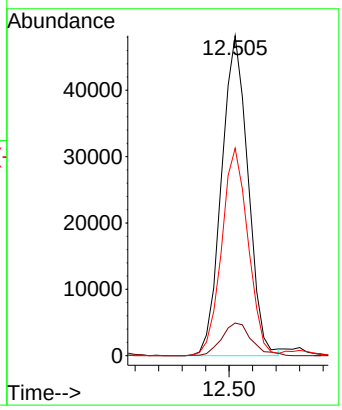




#75
1,1,2,2-Tetrachloroethane
Concen: 19.210 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 83 Resp: 7547

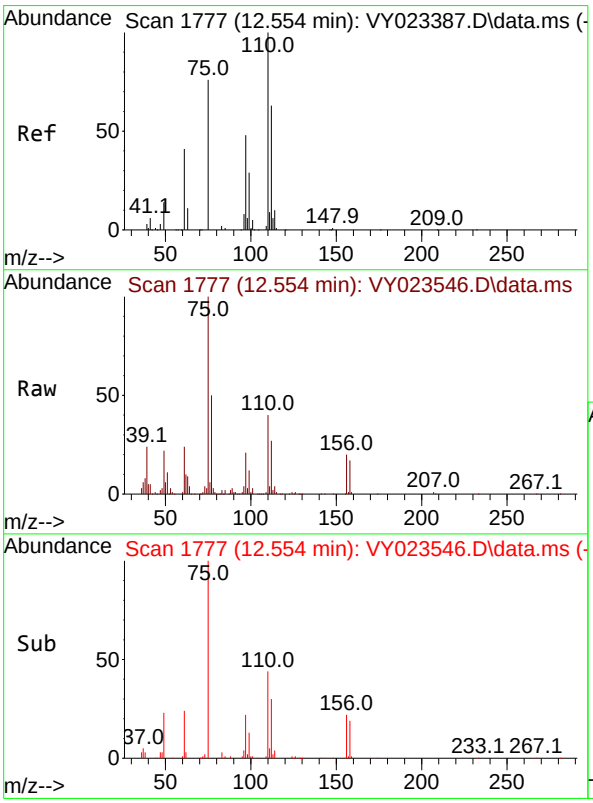
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.9	17.6
85	64.7	31.8	95.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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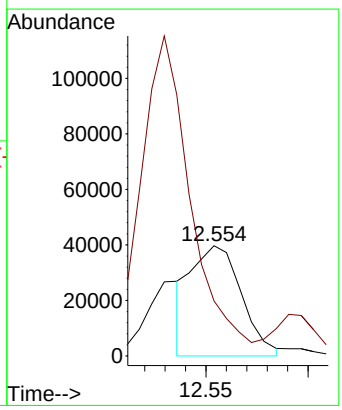
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

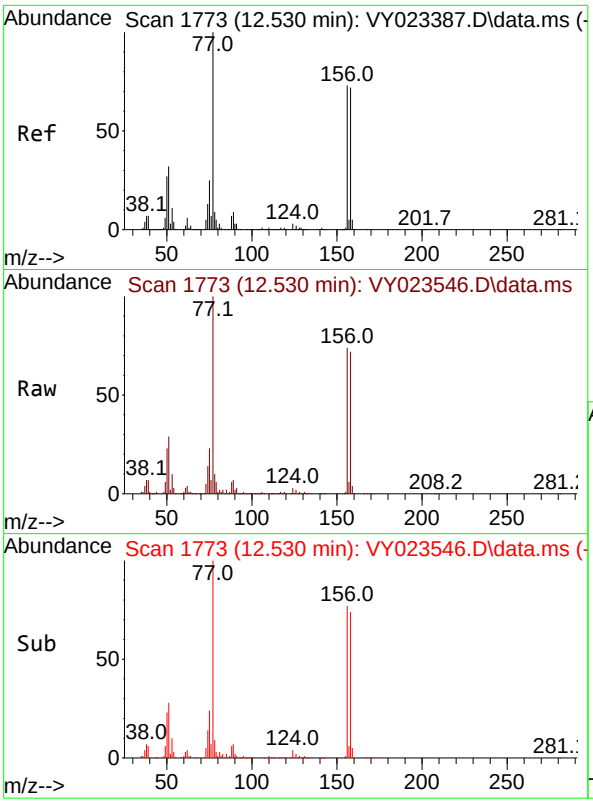


#76
1,2,3-Trichloropropane
Concen: 21.273 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 75 Resp: 68415

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

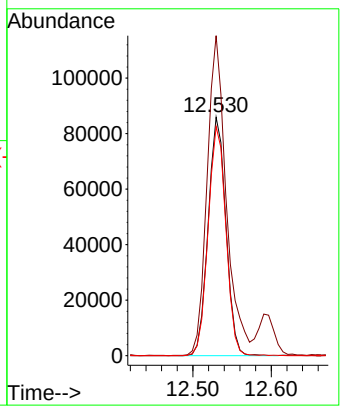




#77
Bromobenzene
Concen: 21.147 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:156 Resp: 13504

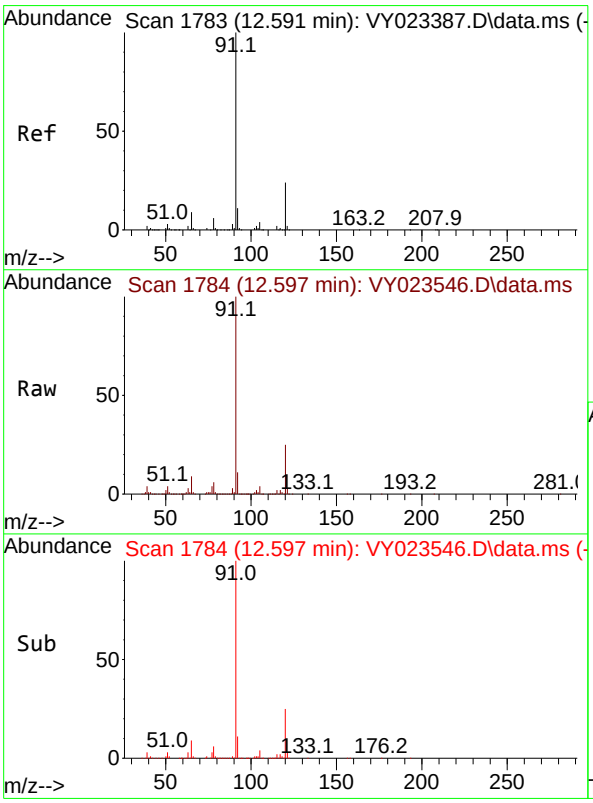
Ion	Ratio	Lower	Upper
156	100		
77	145.5	76.8	230.5
158	96.2	49.0	147.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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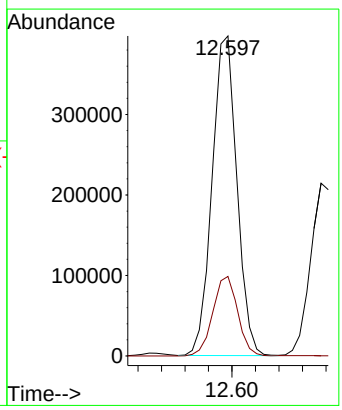
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

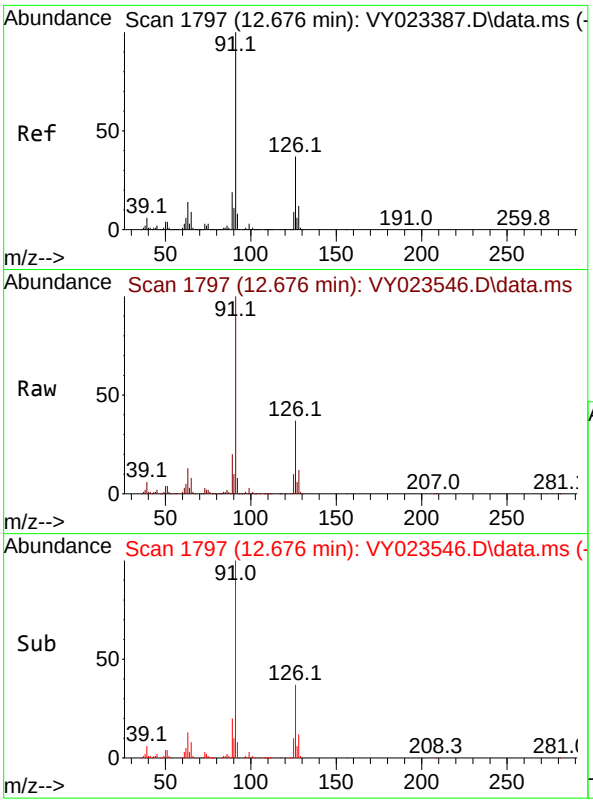


#78
n-propylbenzene
Concen: 20.960 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 91 Resp: 582648

Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8

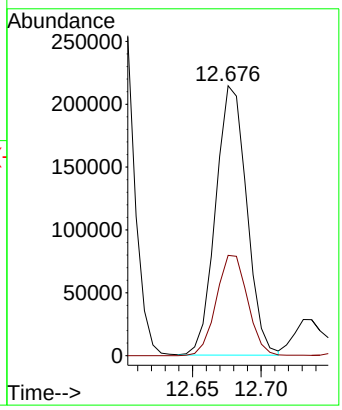




#79
2-Chlorotoluene
Concen: 20.750 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 91 Resp: 33778

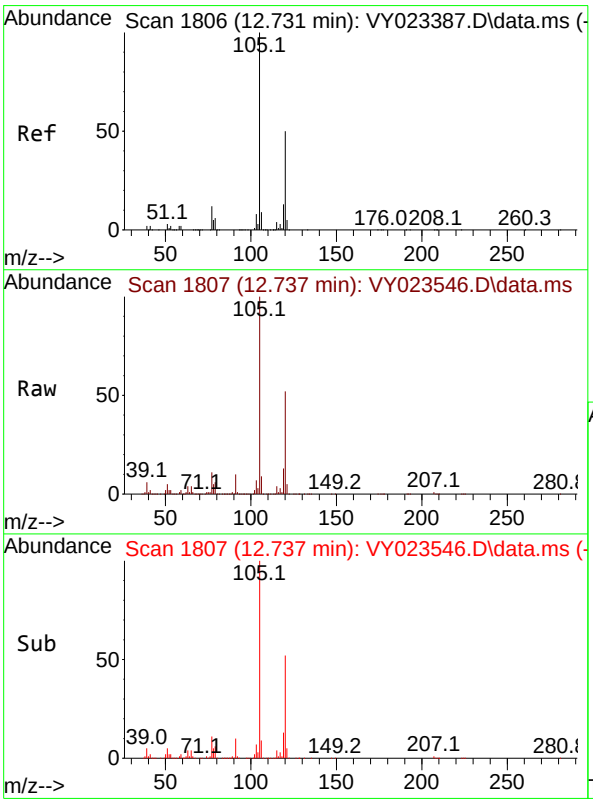
Ion	Ratio	Lower	Upper
91	100		
126	37.7	18.5	55.5



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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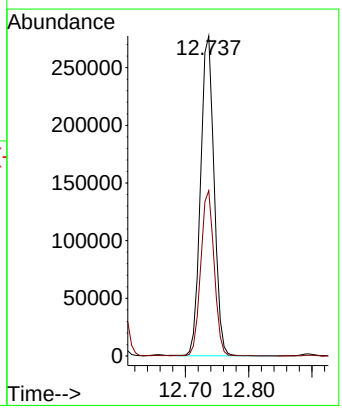
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

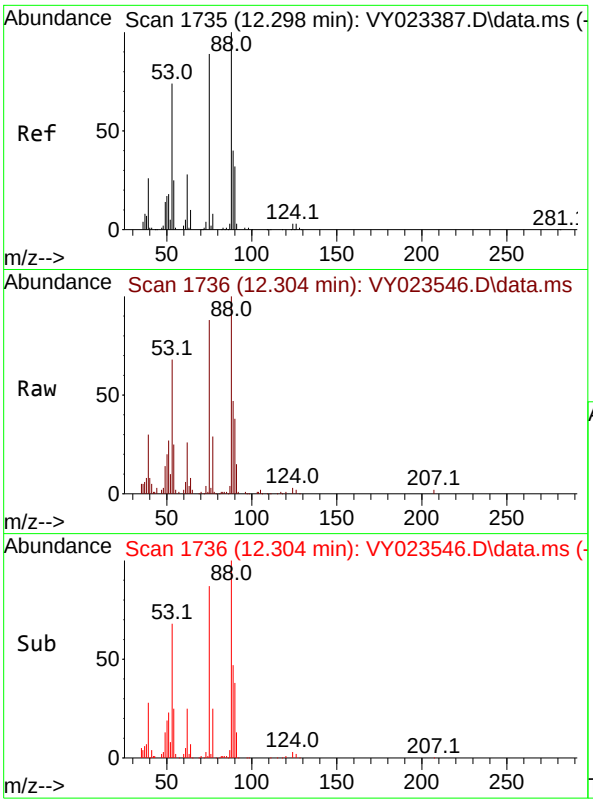


#80
1,3,5-Trimethylbenzene
Concen: 21.274 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:105 Resp: 412957

Ion	Ratio	Lower	Upper
105	100		
120	51.1	25.4	76.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.613 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

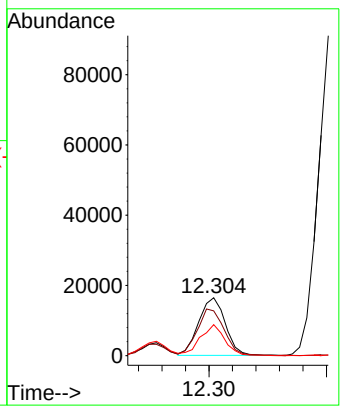
Tgt Ion: 75 Resp: 2572

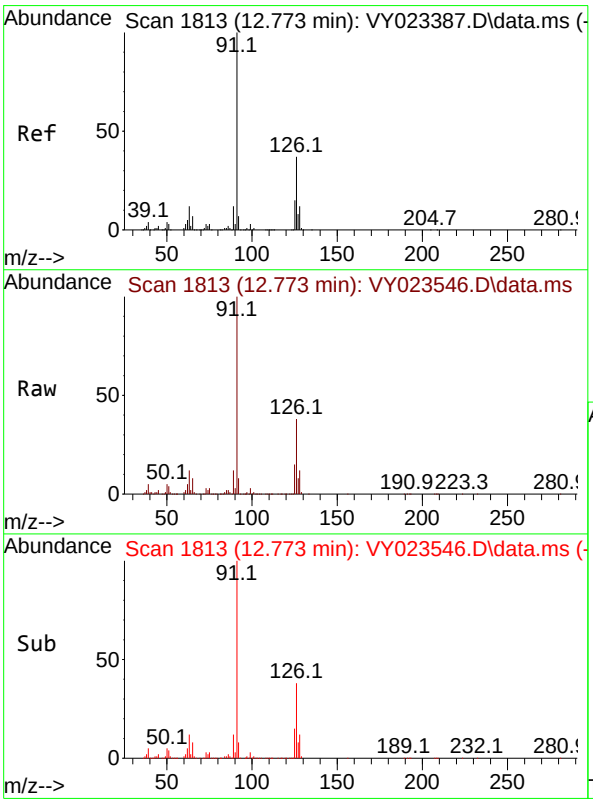
Ion	Ratio	Lower	Upper
75	100		
53	82.2	68.6	102.8
89	49.9	39.0	58.4

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

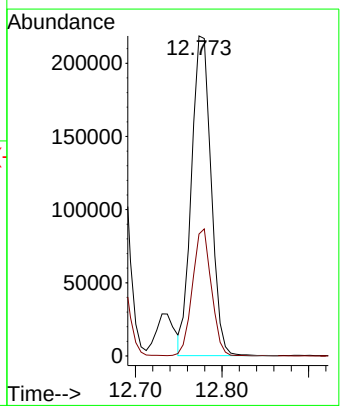


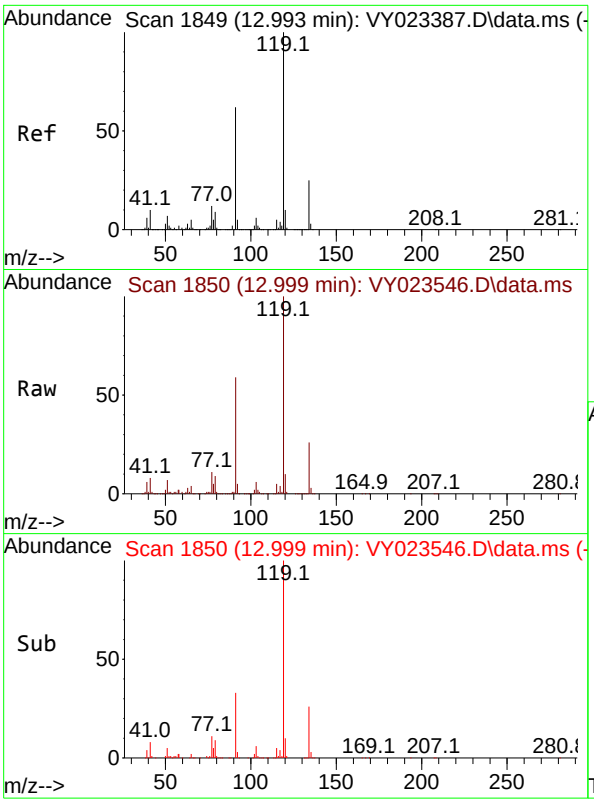


#82
4-Chlorotoluene
Concen: 20.477 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 91 Resp: 343300

Ion	Ratio	Lower	Upper
91	100		
126	38.3	18.4	55.4

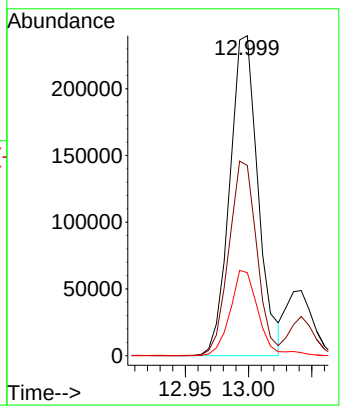




#83
tert-Butylbenzene
Concen: 20.869 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:119 Resp: 37403

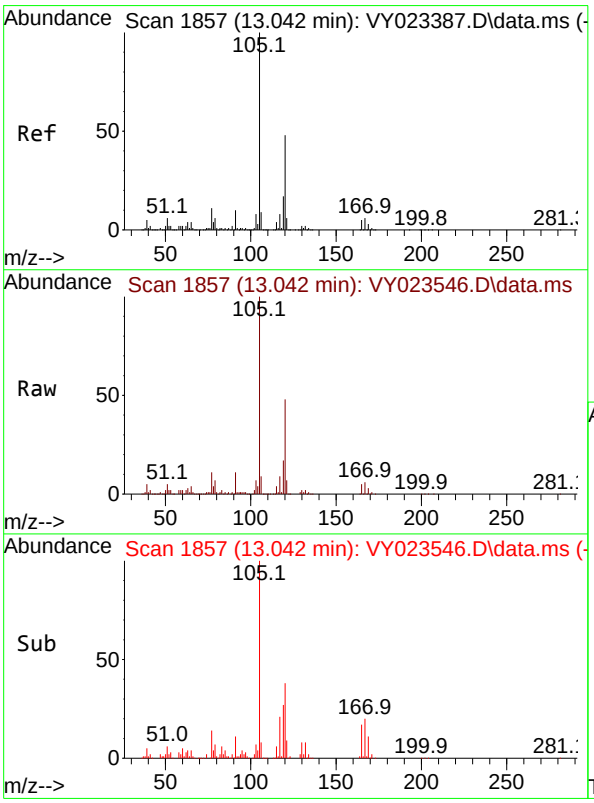
Ion	Ratio	Lower	Upper
119	100		
91	60.0	29.9	89.8
134	26.6	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

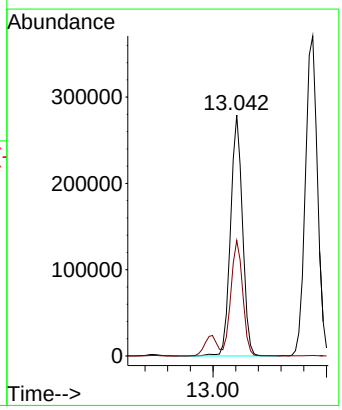
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

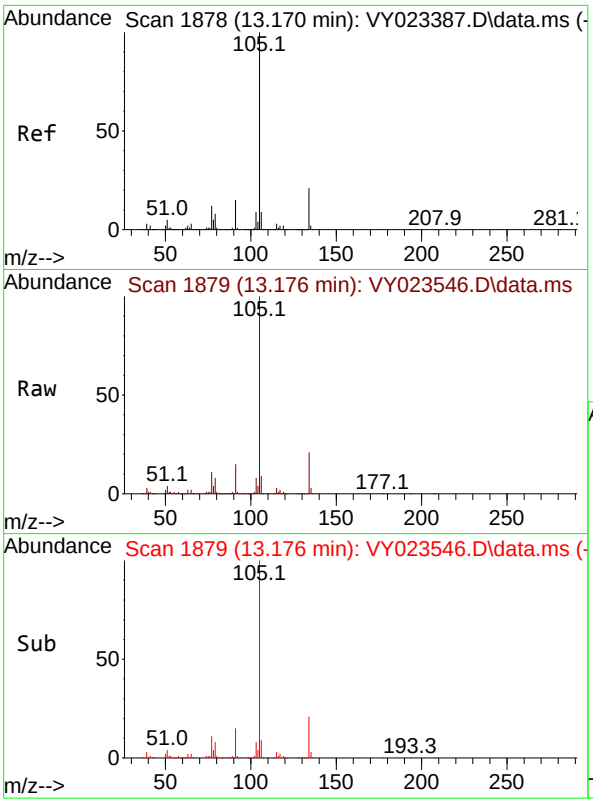


#84
1,2,4-Trimethylbenzene
Concen: 20.988 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:105 Resp: 406596

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.2

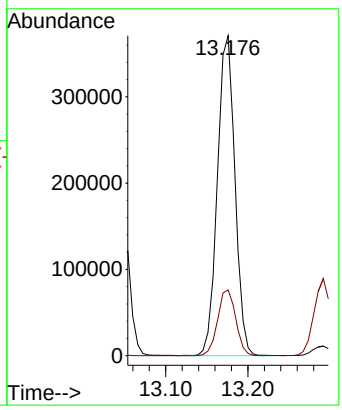




#85
sec-Butylbenzene
Concen: 21.403 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:105 Resp: 55027

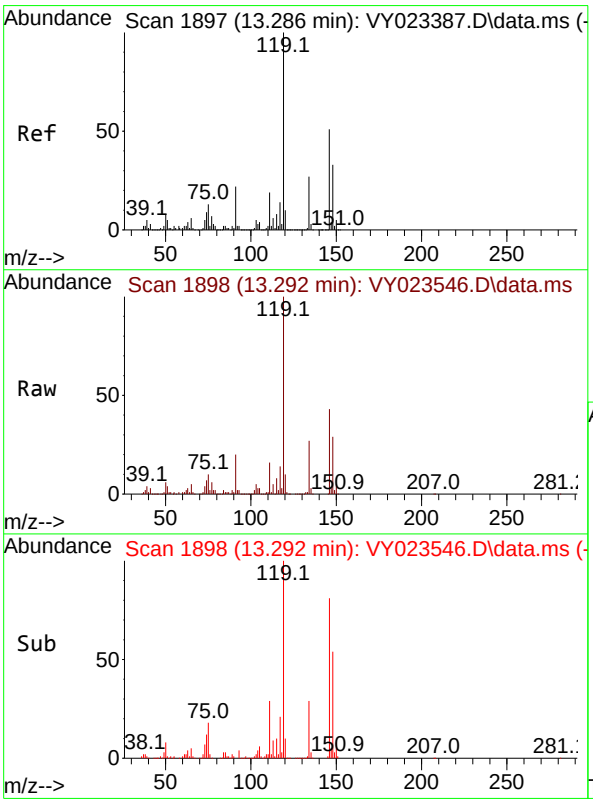
Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	32.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

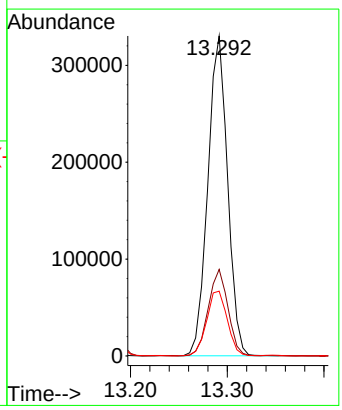
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

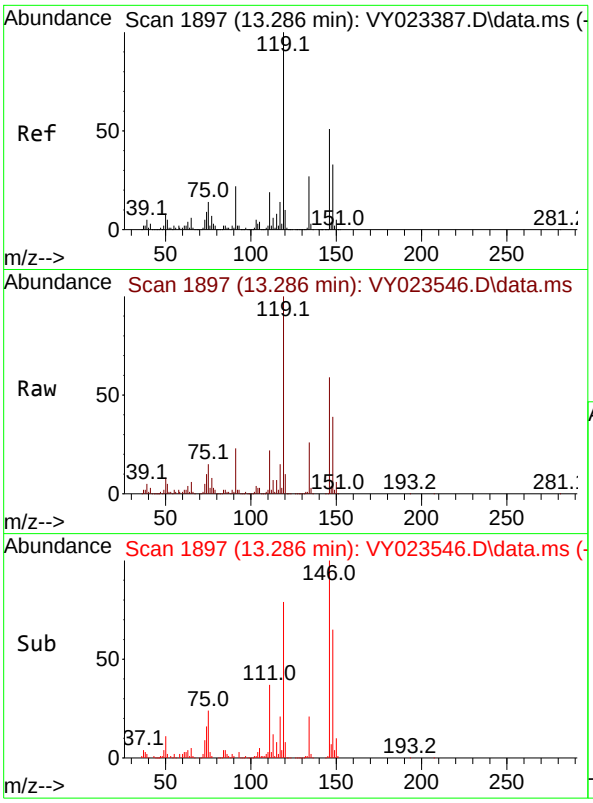


#86
p-Isopropyltoluene
Concen: 21.371 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:119 Resp: 467814

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	21.2	10.9	32.9

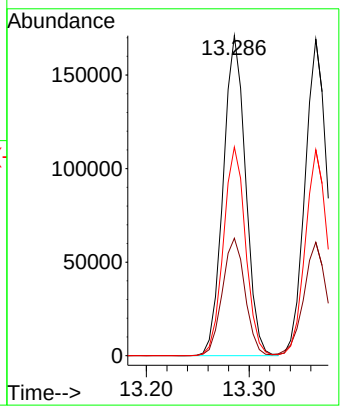




#87
1,3-Dichlorobenzene
Concen: 20.804 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:146 Resp: 25872

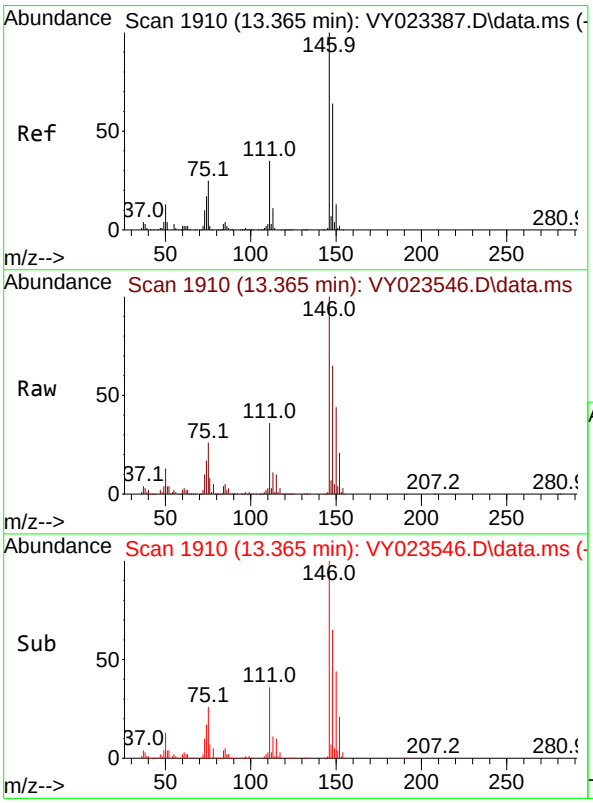
Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.4	31.9	95.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

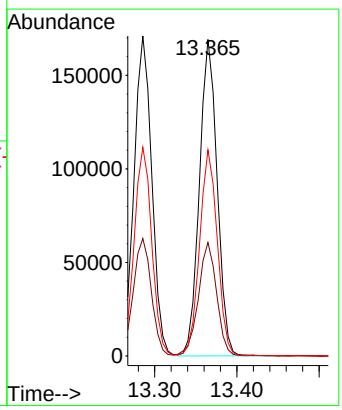
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

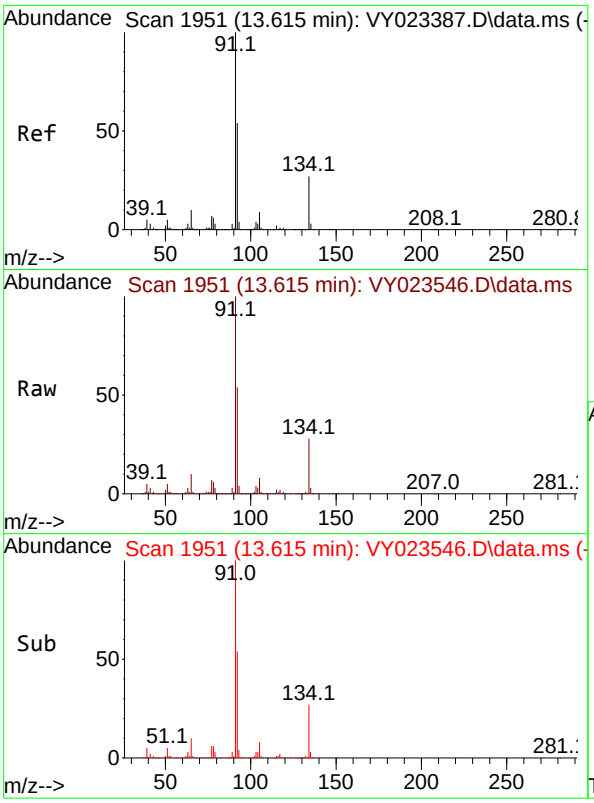


#88
1,4-Dichlorobenzene
Concen: 20.684 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:146 Resp: 254047

Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.0	54.0
148	64.9	31.9	95.7

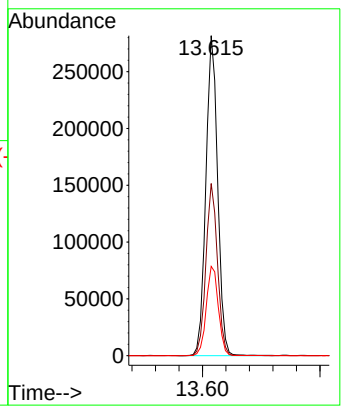




#89
n-Butylbenzene
Concen: 20.600 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 91 Resp: 39292

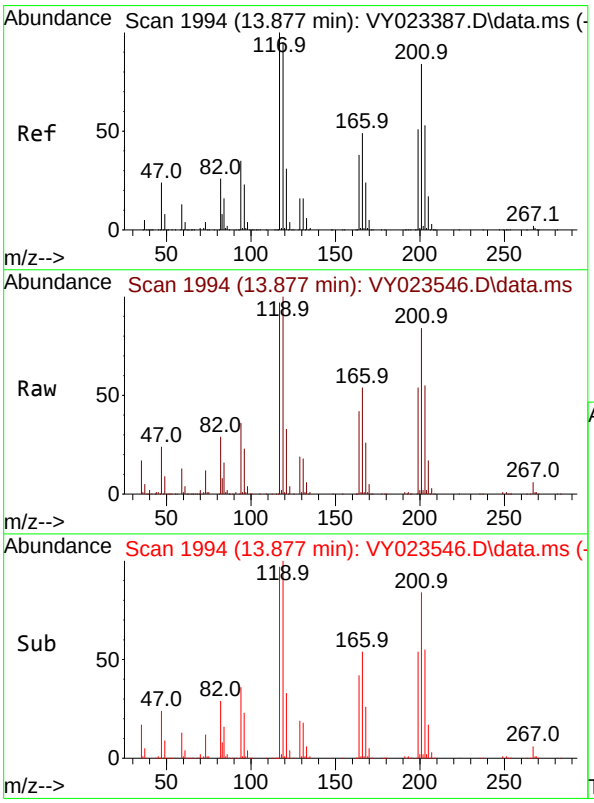
Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.0	80.8
134	28.5	14.1	42.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

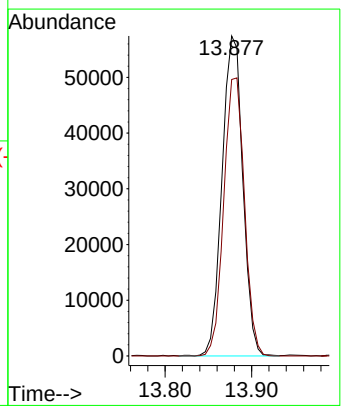
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

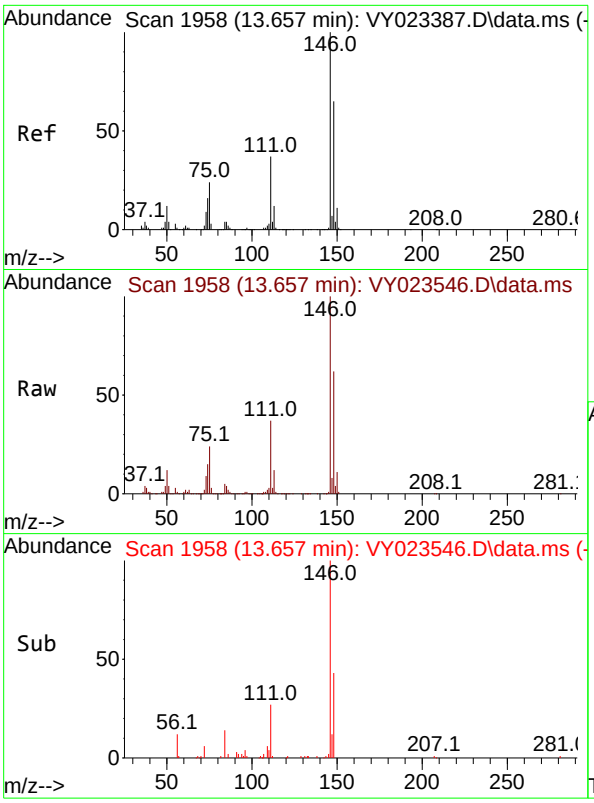


#90
Hexachloroethane
Concen: 20.342 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:117 Resp: 95771

Ion	Ratio	Lower	Upper
117	100		
201	86.3	43.8	131.4

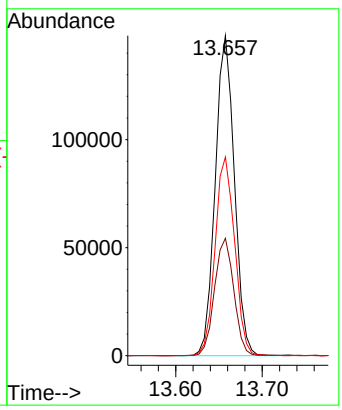




#91
1,2-Dichlorobenzene
Concen: 20.857 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:146 Resp: 22740

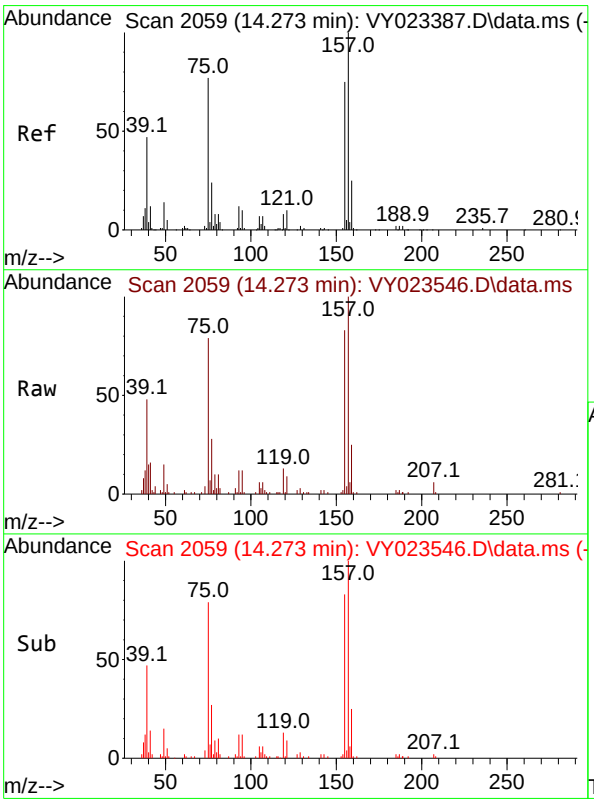
Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.0	57.0
148	63.5	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
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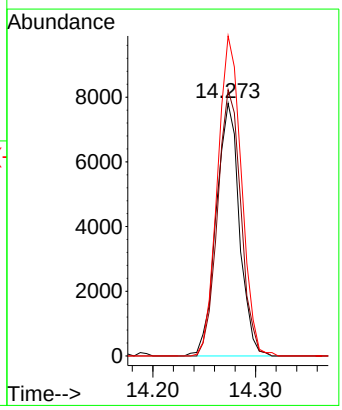
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

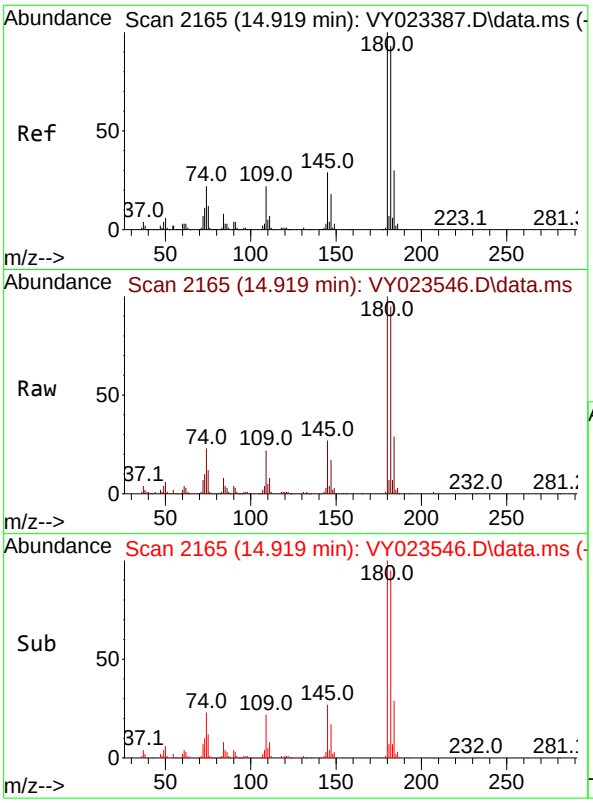


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.977 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion: 75 Resp: 12234

Ion	Ratio	Lower	Upper
75	100		
155	105.6	50.0	150.0
157	130.3	63.8	191.5

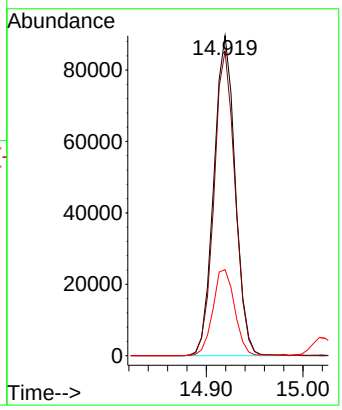




#93
1,2,4-Trichlorobenzene
Concen: 20.166 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:180 Resp: 13706

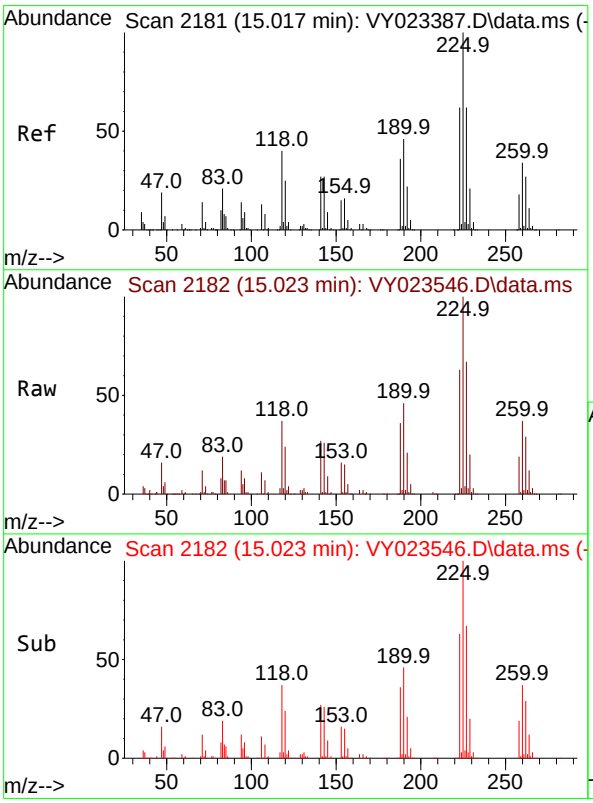
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.6
145	27.7	14.7	44.1



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations
APPROVED

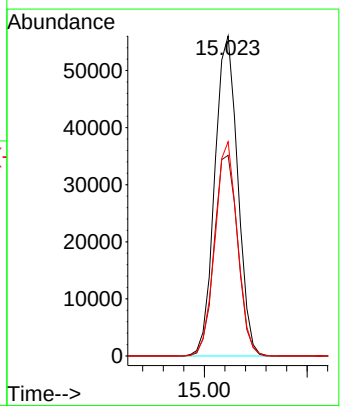
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

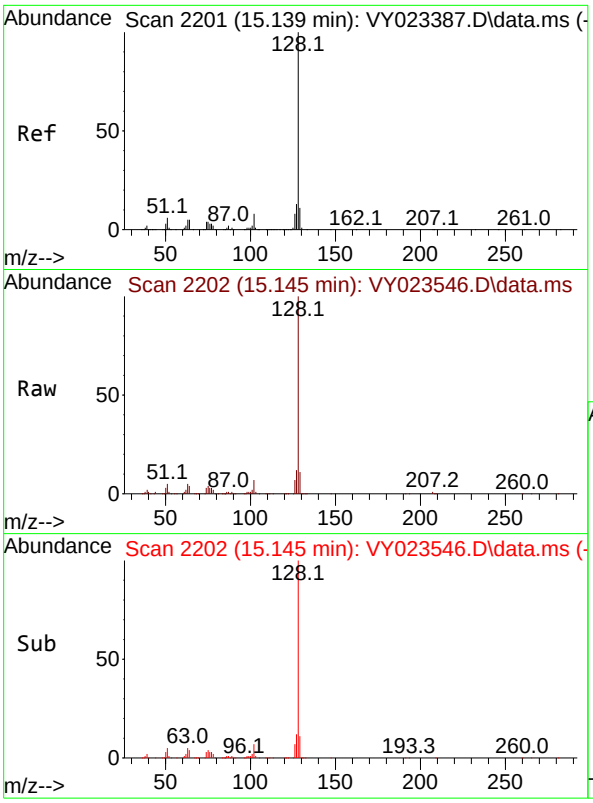


#94
Hexachlorobutadiene
Concen: 20.497 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:225 Resp: 86848

Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.8	92.3
227	65.4	31.9	95.7

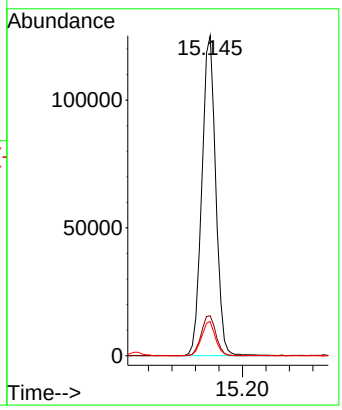




#95
Naphthalene
Concen: 18.906 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

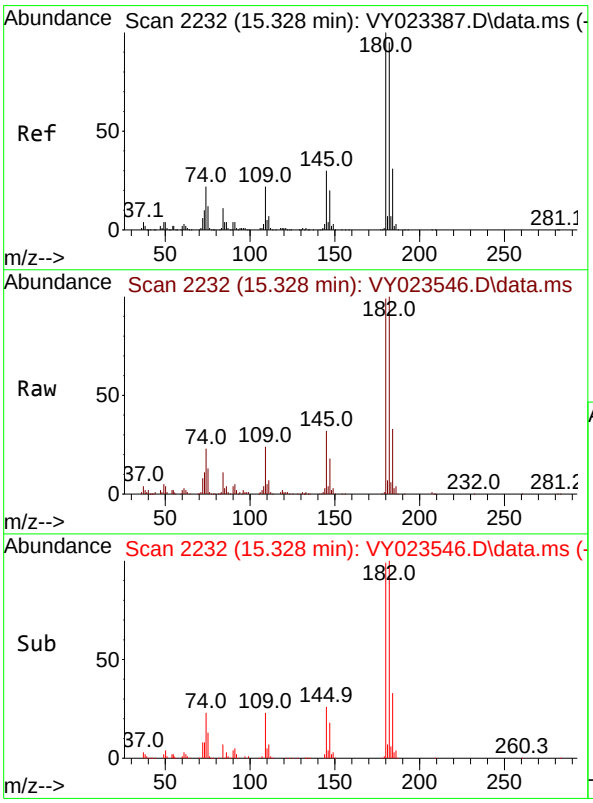
Tgt Ion:128 Resp: 20462

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

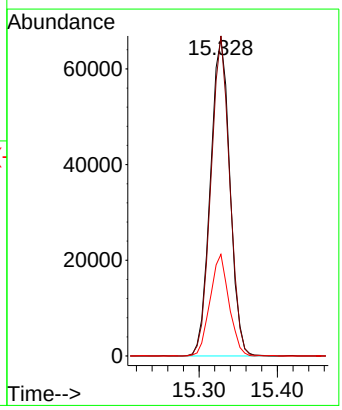
Manual Integrations
APPROVED
Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.509 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023546.D
Acq: 22 Oct 2025 10:51

Tgt Ion:180 Resp: 114859

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.8
145	31.0	15.3	45.9



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Manual Integration Report

Sequence:	VX102925	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX048407.D	1,2,3-Trichloropropane	Amit	10/30/2025 2:02:37 PM	MMDadoda	10/30/2025 2:06:23 PM	Peak Integrated by Software
VSTDICC001	VX048407.D	1,4-Dichlorobenzene	Amit	10/30/2025 2:02:37 PM	MMDadoda	10/30/2025 2:06:23 PM	Peak Integrated by Software
VSTDICC001	VX048407.D	Ethyl Acetate	Amit	10/30/2025 2:02:37 PM	MMDadoda	10/30/2025 2:06:23 PM	Peak Integrated by Software
VSTDICC005	VX048408.D	1,2,3-Trichloropropane	Amit	10/30/2025 2:02:43 PM	MMDadoda	10/30/2025 2:06:28 PM	Peak Integrated by Software
VSTDICC020	VX048409.D	1,2,3-Trichloropropane	Amit	10/30/2025 2:02:47 PM	MMDadoda	10/30/2025 2:06:32 PM	Peak Integrated by Software
VSTDICCC050	VX048410.D	1,2,3-Trichloropropane	Amit	10/30/2025 2:03:21 PM	MMDadoda	10/30/2025 2:06:35 PM	Peak Integrated by Software
VSTDICC100	VX048411.D	1,2,3-Trichloropropane	Amit	10/30/2025 2:03:25 PM	MMDadoda	10/30/2025 2:06:39 PM	Peak Integrated by Software
VSTDICC150	VX048412.D	1,2,3-Trichloropropane	Amit	10/30/2025 2:03:30 PM	MMDadoda	10/30/2025 2:06:42 PM	Peak Integrated by Software
VSTDICV050	VX048414.D	1,2,3-Trichloropropane	Amit	10/30/2025 2:04:18 PM	MMDadoda	10/30/2025 2:06:46 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX110325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048445.D	1,2,3-Trichloropropane	mmdadoda	11/4/2025 3:24:31 AM	mohammad	11/4/2025 3:29:09 AM	Peak Integrated by Software
VX1103WBS01	VX048449.D	1,2,3-Trichloropropane	mmdadoda	11/4/2025 3:24:36 AM	mohammad	11/4/2025 3:29:09 AM	Peak Integrated by Software
VX1103WBSD01	VX048450.D	1,2,3-Trichloropropane	mmdadoda	11/4/2025 3:24:39 AM	mohammad	11/4/2025 3:29:09 AM	Peak Integrated by Software
VSTDCCC050	VX048469.D	1,2,3-Trichloropropane	mmdadoda	11/4/2025 3:24:45 AM	mohammad	11/4/2025 3:29:09 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:	VY102225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023543.D	1,2,3-Trichloropropane	Amit	10/24/2025 11:56:25 AM	MMDadoda	10/24/2025 2:54:05 PM	Peak Integrated by Software
VSTDCCC050	VY023543.D	Methacrylonitrile	Amit	10/24/2025 11:56:25 AM	MMDadoda	10/24/2025 2:54:05 PM	Peak Integrated by Software
VY1022SBS01	VY023545.D	1,2,3-Trichloropropane	Amit	10/24/2025 11:56:29 AM	MMDadoda	10/24/2025 2:54:10 PM	Peak Integrated by Software
VY1022SBSD01	VY023546.D	1,2,3-Trichloropropane	Amit	10/24/2025 11:56:34 AM	MMDadoda	10/24/2025 2:54:13 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102925

Review By	Amit Patel	Review On	10/30/2025 2:04:38 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2025 2:06:52 PM		
SubDirectory	VX102925	HP Acquire Method		HP Processing Method	82X102925W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135960
Initial Calibration Stds	VP135996,VP135997,VP135998,VP135999,VP136000,VP136001
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135002
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048403.D	29 Oct 2025 08:39	JC/MD	Ok
2	VSTDCCC050	VX048404.D	29 Oct 2025 10:02	JC/MD	Ok
3	IBLK	VX048405.D	29 Oct 2025 10:31	JC/MD	Ok
4	IBLK	VX048406.D	29 Oct 2025 10:51	JC/MD	Ok
5	VSTDICC001	VX048407.D	29 Oct 2025 11:12	JC/MD	Ok,M
6	VSTDICC005	VX048408.D	29 Oct 2025 11:41	JC/MD	Ok,M
7	VSTDICC020	VX048409.D	29 Oct 2025 12:01	JC/MD	Ok,M
8	VSTDICCC050	VX048410.D	29 Oct 2025 12:22	JC/MD	Ok,M
9	VSTDICC100	VX048411.D	29 Oct 2025 12:43	JC/MD	Ok,M
10	VSTDICC150	VX048412.D	29 Oct 2025 13:03	JC/MD	Ok,M
11	IBLK	VX048413.D	29 Oct 2025 13:24	JC/MD	Ok
12	VSTDICV050	VX048414.D	29 Oct 2025 14:27	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110325

Review By	Mahesh Dadoda	Review On	11/4/2025 3:28:58 AM				
Supervise By	mohammad ahmed	Supervise On	11/4/2025 3:29:09 AM				
SubDirectory	VX110325	HP Acquire Method	MSVOA_X		HP Processing Method	82X102925W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136024
Initial Calibration Stds	
CCC	VP136025,VP136023
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	VX048444.D	03 Nov 2025 08:20	JC/MD	Ok
2	VSTDCCC050	VX048445.D	03 Nov 2025 09:14	JC/MD	Ok,M
3	VX1103MBL01	VX048446.D	03 Nov 2025 09:40	JC/MD	Ok
4	VX1103WBL01	VX048447.D	03 Nov 2025 11:25	JC/MD	Ok
5	VX1103MBS01	VX048448.D	03 Nov 2025 11:52	JC/MD	Not Ok
6	VX1103WBS01	VX048449.D	03 Nov 2025 12:21	JC/MD	Ok,M
7	VX1103WBSD01	VX048450.D	03 Nov 2025 12:44	JC/MD	Ok,M
8	VX1103MBS02	VX048451.D	03 Nov 2025 13:06	JC/MD	Not Ok
9	Q3506-02	VX048452.D	03 Nov 2025 13:37	JC/MD	Ok
10	Q3506-03RE	VX048453.D	03 Nov 2025 13:58	JC/MD	Confirms
11	Q3510-01	VX048454.D	03 Nov 2025 14:18	JC/MD	Ok
12	Q3511-01	VX048455.D	03 Nov 2025 14:39	JC/MD	Ok
13	Q3495-03	VX048456.D	03 Nov 2025 14:59	JC/MD	ReRun
14	Q3495-04	VX048457.D	03 Nov 2025 15:20	JC/MD	Ok
15	Q3422-02	VX048458.D	03 Nov 2025 15:41	JC/MD	Ok
16	Q3518-02	VX048459.D	03 Nov 2025 16:01	JC/MD	ReRun
17	Q3494-02	VX048460.D	03 Nov 2025 16:22	JC/MD	Ok
18	Q3505-05	VX048461.D	03 Nov 2025 16:42	JC/MD	Ok
19	Q3505-06	VX048462.D	03 Nov 2025 17:03	JC/MD	Not Ok
20	Q3500-03	VX048463.D	03 Nov 2025 17:24	JC/MD	ReRun
21	Q3500-05	VX048464.D	03 Nov 2025 17:44	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110325

Review By	Mahesh Dadoda	Review On	11/4/2025 3:28:58 AM				
Supervise By	mohammad ahmed	Supervise On	11/4/2025 3:29:09 AM				
SubDirectory	VX110325	HP Acquire Method	MSVOA_X	HP Processing Method	82X102925W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP136024
Initial Calibration Stds	
CCC	VP136025,VP136023
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3505-04	VX048465.D	03 Nov 2025 18:05	JC/MD	Not Ok
23	Q3521-03	VX048466.D	03 Nov 2025 18:25	JC/MD	Not Ok
24	VIBLK	VX048467.D	03 Nov 2025 18:46	JC/MD	Ok
25	VIBLK	VX048468.D	03 Nov 2025 19:06	JC/MD	Ok
26	VSTDCCC050	VX048469.D	03 Nov 2025 19:27	JC/MD	Ok,M

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	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

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102225

Review By	John Carlone	Review On	10/24/2025 2:07:41 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/24/2025 2:54:27 PM				
SubDirectory	VY102225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135879
Initial Calibration Stds	
CCC	VP135880,VP135881
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	VY023542.D	22 Oct 2025 09:00	SY/MD	Ok
2	VSTDCCC050	VY023543.D	22 Oct 2025 09:30	SY/MD	Ok,M
3	VY1022SBL01	VY023544.D	22 Oct 2025 10:00	SY/MD	Ok
4	VY1022SBS01	VY023545.D	22 Oct 2025 10:28	SY/MD	Ok,M
5	VY1022SBSD01	VY023546.D	22 Oct 2025 10:51	SY/MD	Ok,M
6	Q3395-04MSD	VY023547.D	22 Oct 2025 11:28	SY/MD	Not Ok
7	Q3416-01	VY023548.D	22 Oct 2025 12:03	SY/MD	Ok
8	Q3404-01RE	VY023549.D	22 Oct 2025 12:52	SY/MD	Confirms
9	Q3427-03	VY023550.D	22 Oct 2025 13:43	SY/MD	Ok
10	Q3419-01	VY023551.D	22 Oct 2025 14:07	SY/MD	Ok
11	Q3419-04	VY023552.D	22 Oct 2025 15:34	SY/MD	Ok
12	Q3419-05	VY023553.D	22 Oct 2025 15:58	SY/MD	Ok
13	Q3422-01	VY023554.D	22 Oct 2025 16:22	SY/MD	Ok
14	Q3424-01	VY023555.D	22 Oct 2025 16:46	SY/MD	Ok
15	Q3424-02	VY023556.D	22 Oct 2025 17:10	SY/MD	Ok
16	Q3424-03	VY023557.D	22 Oct 2025 17:35	SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102925

Review By	Amit Patel	Review On	10/30/2025 2:04:38 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2025 2:06:52 PM		
SubDirectory	VX102925	HP Acquire Method		HP Processing Method	82X102925W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135960
Initial Calibration Stds	VP135996,VP135997,VP135998,VP135999,VP136000,VP136001
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135002
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048403.D	29 Oct 2025 08:39		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048404.D	29 Oct 2025 10:02		JC/MD	Ok
3	IBLK	IBLK	VX048405.D	29 Oct 2025 10:31		JC/MD	Ok
4	IBLK	IBLK	VX048406.D	29 Oct 2025 10:51		JC/MD	Ok
5	VSTDICC001	VSTDICC001	VX048407.D	29 Oct 2025 11:12	LR-58	JC/MD	Ok,M
6	VSTDICC005	VSTDICC005	VX048408.D	29 Oct 2025 11:41		JC/MD	Ok,M
7	VSTDICC020	VSTDICC020	VX048409.D	29 Oct 2025 12:01		JC/MD	Ok,M
8	VSTDICCC050	VSTDICCC050	VX048410.D	29 Oct 2025 12:22		JC/MD	Ok,M
9	VSTDICC100	VSTDICC100	VX048411.D	29 Oct 2025 12:43		JC/MD	Ok,M
10	VSTDICC150	VSTDICC150	VX048412.D	29 Oct 2025 13:03		JC/MD	Ok,M
11	IBLK	IBLK	VX048413.D	29 Oct 2025 13:24		JC/MD	Ok
12	VSTDICV050	ICVVX102925	VX048414.D	29 Oct 2025 14:27		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110325

Review By	Mahesh Dadoda	Review On	11/4/2025 3:28:58 AM		
Supervise By	mohammad ahmed	Supervise On	11/4/2025 3:29:09 AM		
SubDirectory	VX110325	HP Acquire Method	MSVOA_X	HP Processing Method	82X102925W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136024
Initial Calibration Stds	
CCC	VP136025,VP136023
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	VX048444.D	03 Nov 2025 08:20		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048445.D	03 Nov 2025 09:14		JC/MD	Ok,M
3	VX1103MBL01	VX1103MBL01	VX048446.D	03 Nov 2025 09:40		JC/MD	Ok
4	VX1103WBL01	VX1103WBL01	VX048447.D	03 Nov 2025 11:25		JC/MD	Ok
5	VX1103MBS01	VX1103WBS01	VX048448.D	03 Nov 2025 11:52		JC/MD	Not Ok
6	VX1103WBS01	VX1103WBS01	VX048449.D	03 Nov 2025 12:21		JC/MD	Ok,M
7	VX1103WBSD01	VX1103WBSD01	VX048450.D	03 Nov 2025 12:44		JC/MD	Ok,M
8	VX1103MBS02	VX1103MBS02	VX048451.D	03 Nov 2025 13:06		JC/MD	Not Ok
9	Q3506-02	STORAGE-BLANK-WA	VX048452.D	03 Nov 2025 13:37		JC/MD	Ok
10	Q3506-03RE	STORAGE-BLANK-WA	VX048453.D	03 Nov 2025 13:58	Surrogate fail	JC/MD	Confirms
11	Q3510-01	OUTFALL-002	VX048454.D	03 Nov 2025 14:18		JC/MD	Ok
12	Q3511-01	OUTFALL-001	VX048455.D	03 Nov 2025 14:39		JC/MD	Ok
13	Q3495-03	TW-1025-1	VX048456.D	03 Nov 2025 14:59	Surrogate fail	JC/MD	ReRun
14	Q3495-04	TB	VX048457.D	03 Nov 2025 15:20	TB	JC/MD	Ok
15	Q3422-02	PR132-FB2-20251021	VX048458.D	03 Nov 2025 15:41	FB	JC/MD	Ok
16	Q3518-02	50831	VX048459.D	03 Nov 2025 16:01	Surrogate fail	JC/MD	ReRun
17	Q3494-02	Field	VX048460.D	03 Nov 2025 16:22	FB	JC/MD	Ok
18	Q3505-05	10-16-25-WATER	VX048461.D	03 Nov 2025 16:42		JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110325

Review By	Mahesh Dadoda	Review On	11/4/2025 3:28:58 AM		
Supervise By	mohammad ahmed	Supervise On	11/4/2025 3:29:09 AM		
SubDirectory	VX110325	HP Acquire Method	MSVOA_X	HP Processing Method	82X102925W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136024
Initial Calibration Stds	
CCC	VP136025,VP136023
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3505-06	10-17-25-WATER	VX048462.D	03 Nov 2025 17:03	Already Analyzed;Not Match With First run;Changed Sam.ID from Q3505-02 to Q3505-06,Please confirm	JC/MD	Not Ok
20	Q3500-03	463	VX048463.D	03 Nov 2025 17:24	Internal standard fail;Surrogate fail	JC/MD	ReRun
21	Q3500-05	461-LIQUID	VX048464.D	03 Nov 2025 17:44	Surrogate fail	JC/MD	ReRun
22	Q3505-04	10-10-25-WATER	VX048465.D	03 Nov 2025 18:05	Need Straight Run	JC/MD	Not Ok
23	Q3521-03	TANK-2025	VX048466.D	03 Nov 2025 18:25	Need Straight Run	JC/MD	Not Ok
24	VIBLK	VIBLK	VX048467.D	03 Nov 2025 18:46		JC/MD	Ok
25	VIBLK	VIBLK	VX048468.D	03 Nov 2025 19:06		JC/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VX048469.D	03 Nov 2025 19:27		JC/MD	Ok,M

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 # VY102225

Review By	John Carlone	Review On	10/24/2025 2:07:41 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/24/2025 2:54:27 PM		
SubDirectory	VY102225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135879
Initial Calibration Stds	
CCC	VP135880,VP135881
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	VY023542.D	22 Oct 2025 09:00		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023543.D	22 Oct 2025 09:30		SY/MD	Ok,M
3	VY1022SBL01	VY1022SBL01	VY023544.D	22 Oct 2025 10:00		SY/MD	Ok
4	VY1022SBS01	VY1022SBS01	VY023545.D	22 Oct 2025 10:28		SY/MD	Ok,M
5	VY1022SBSD01	VY1022SBSD01	VY023546.D	22 Oct 2025 10:51		SY/MD	Ok,M
6	Q3395-04MSD	PR132-S07-000102-20	VY023547.D	22 Oct 2025 11:28	vial-B Internal Standard Fail	SY/MD	Not Ok
7	Q3416-01	NB-08-10212025	VY023548.D	22 Oct 2025 12:03	vial-A	SY/MD	Ok
8	Q3404-01RE	MOO-25-0285-0288RE	VY023549.D	22 Oct 2025 12:52	vial-B Internal standard fail	SY/MD	Confirms
9	Q3427-03	TP-8-VOC	VY023550.D	22 Oct 2025 13:43	vial-A	SY/MD	Ok
10	Q3419-01	PR-132-S16-015094-20	VY023551.D	22 Oct 2025 14:07	vial-A	SY/MD	Ok
11	Q3419-04	PR132-S16-119133-20	VY023552.D	22 Oct 2025 15:34	vial-A	SY/MD	Ok
12	Q3419-05	PR132-S16-094119-20	VY023553.D	22 Oct 2025 15:58	vial-A	SY/MD	Ok
13	Q3422-01	PR132-S15-000008-20	VY023554.D	22 Oct 2025 16:22	vial-A	SY/MD	Ok
14	Q3424-01	PR132-DP3-20251021	VY023555.D	22 Oct 2025 16:46	vial-A	SY/MD	Ok
15	Q3424-02	PR132-S11-010080-20	VY023556.D	22 Oct 2025 17:10	vial-A	SY/MD	Ok
16	Q3424-03	PR132-S14-000094-20	VY023557.D	22 Oct 2025 17:35	vial-A	SY/MD	Ok

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: JB WC
Raw Sample Relinquished by:

Date/Time 10/22/25 17:25
Raw Sample Received by:
Raw Sample Relinquished by: JB WC

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Prep Standard - Chemical Standard Summary

Order ID : Q3422

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX110325,VY102225,

Standard ID :
VP133934,VP133935,VP133953,VP134142,VP134147,VP134149,VP134150,VP134933,VP134934,VP134957,VP135552,VP135553,VP135834,VP135835,VP135879,VP135880,VP135881,VP136023,VP136024,VP136025,

Chemical ID :
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14727,V14728,V14803,V14815,V14844,V14906,V14921,V14928,V14929,V14951,V14952,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	VP135879	10/22/2025	10/23/2025	Amit Patel	None	None	Mahesh Dadoda 10/23/2025

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	VP135880	10/22/2025	10/23/2025	Amit Patel	None	None	Mahesh Dadoda 10/23/2025

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	VP135881	10/22/2025	10/23/2025	Amit Patel	None	None	Mahesh Dadoda 10/23/2025

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
589	BFB TUNE CHECK	VP136023	11/03/2025	11/04/2025	Mahesh Dadoda	None	None	mohammad ahmed 11/04/2025

FROM 0.01600ml of VP133953 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP136024	11/03/2025	11/04/2025	Mahesh Dadoda	None	None	mohammad ahmed 11/04/2025

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	VP136025	11/03/2025	11/03/2025	Mahesh Dadoda	None	None	mohammad ahmed 11/04/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP133935 + 0.01250ml of VP134149 + 0.01250ml of VP135552 + 0.01250ml of VP135834 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14204

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14205

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14509

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14510

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14531

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14675

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14727

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14728

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14803

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	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 #
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 #
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
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
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Certificate of Analysis

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For Laboratory,Research,or Manufacturing Use
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Country of Origin: USA
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Ken Koehnlein
Sr. Manager, Quality Assurance

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

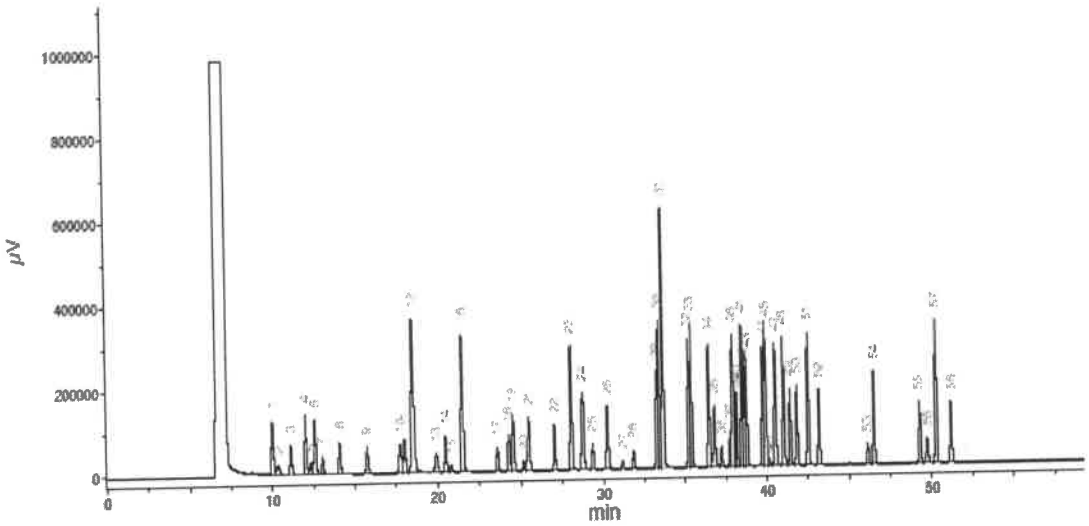
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	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	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	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	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty	
		5E-05	Balance Uncertainty	

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

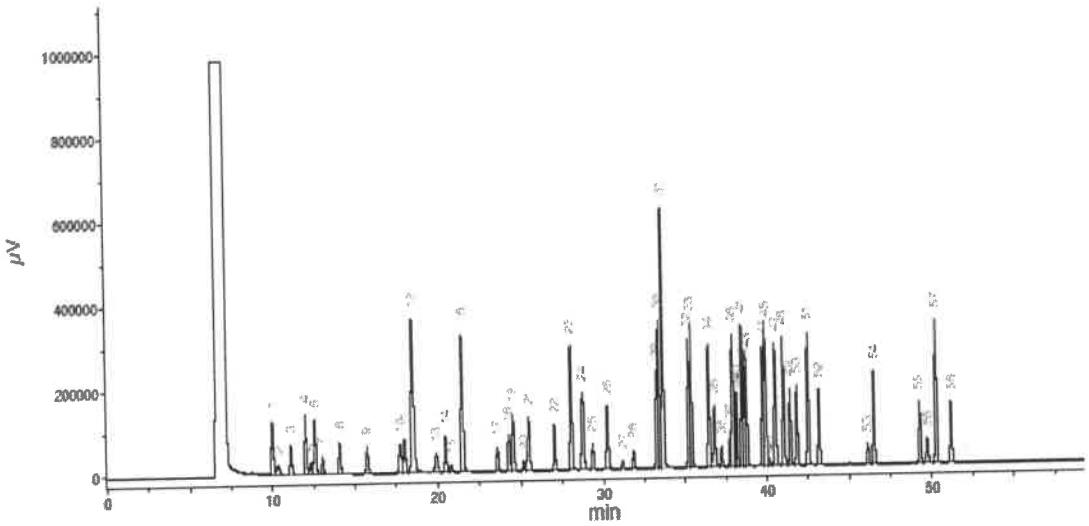
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 846mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	6.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Vapours may form explosive mixture with air.
Conditions to avoid: Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid: Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

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AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

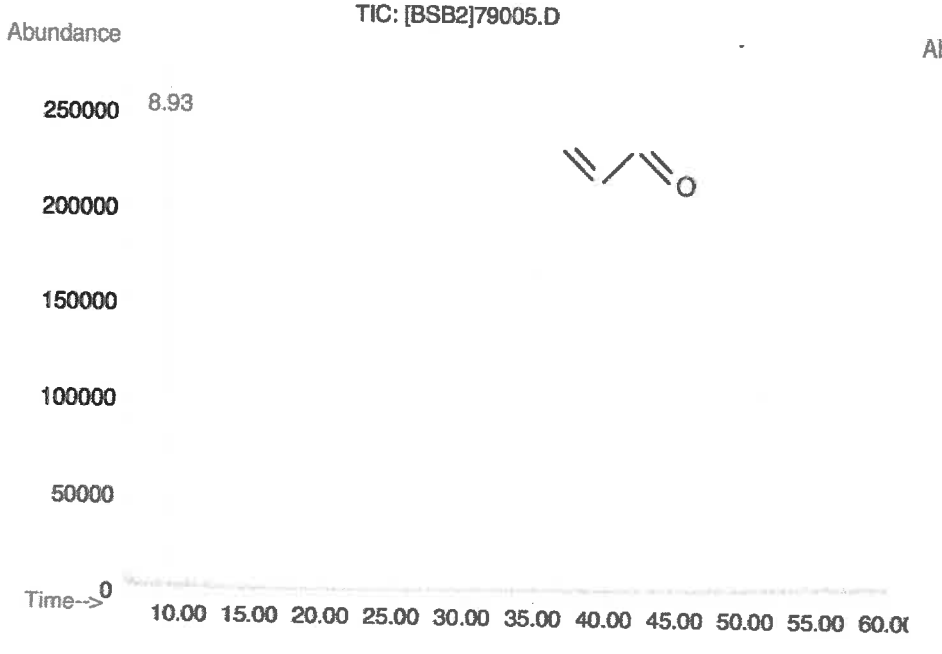
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

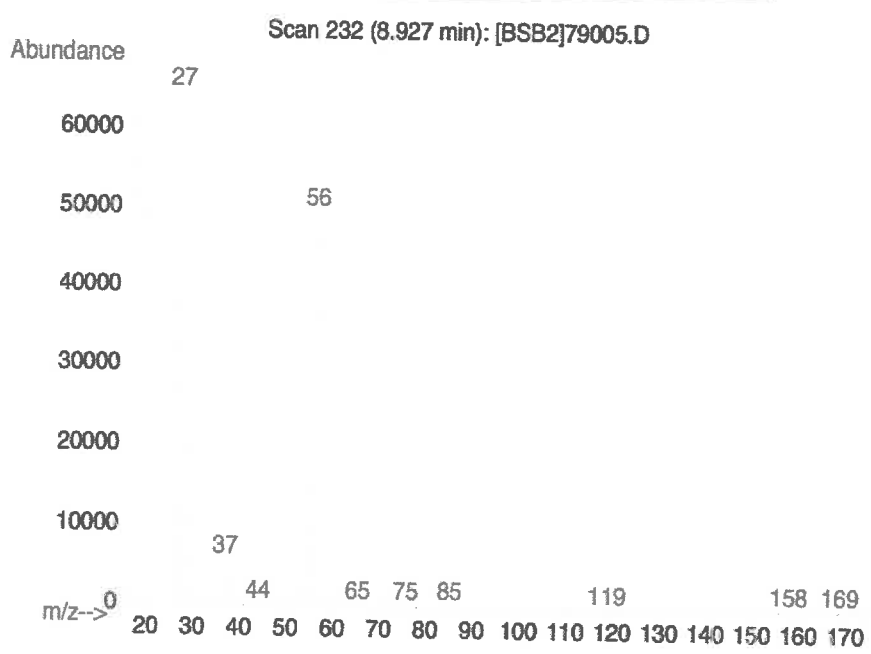
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

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AR-1539 Certificate Numb
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

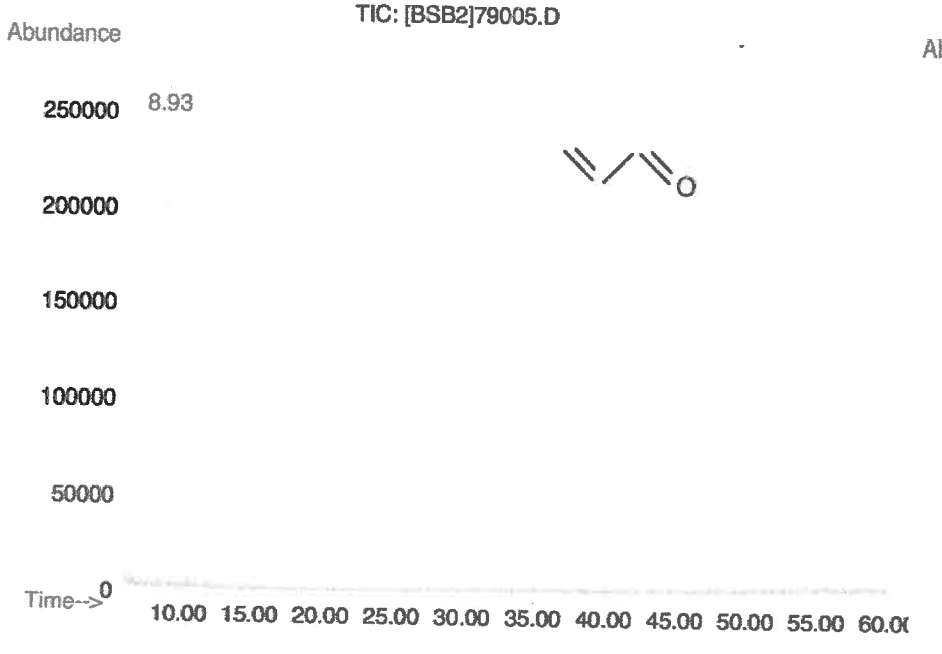
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

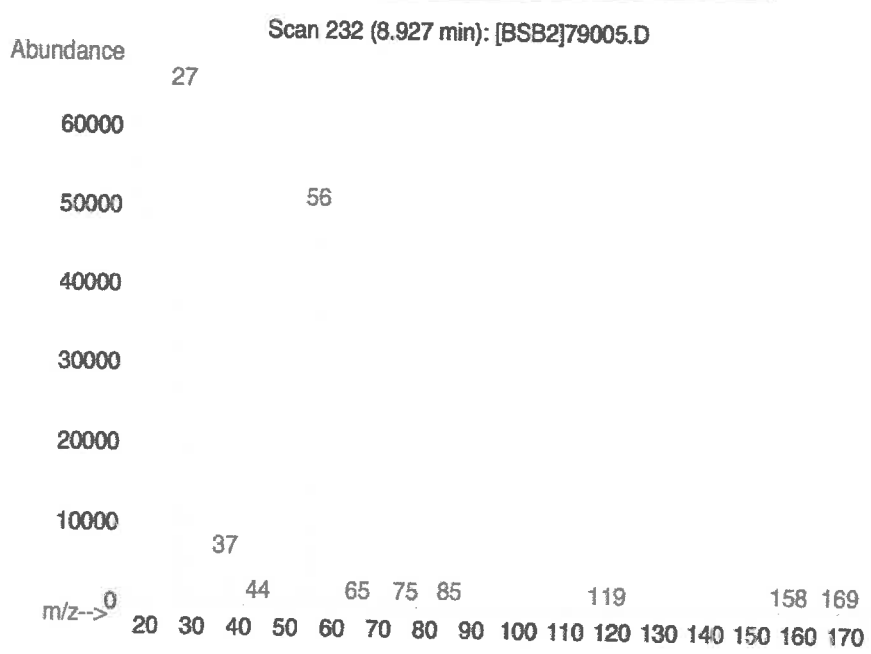
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

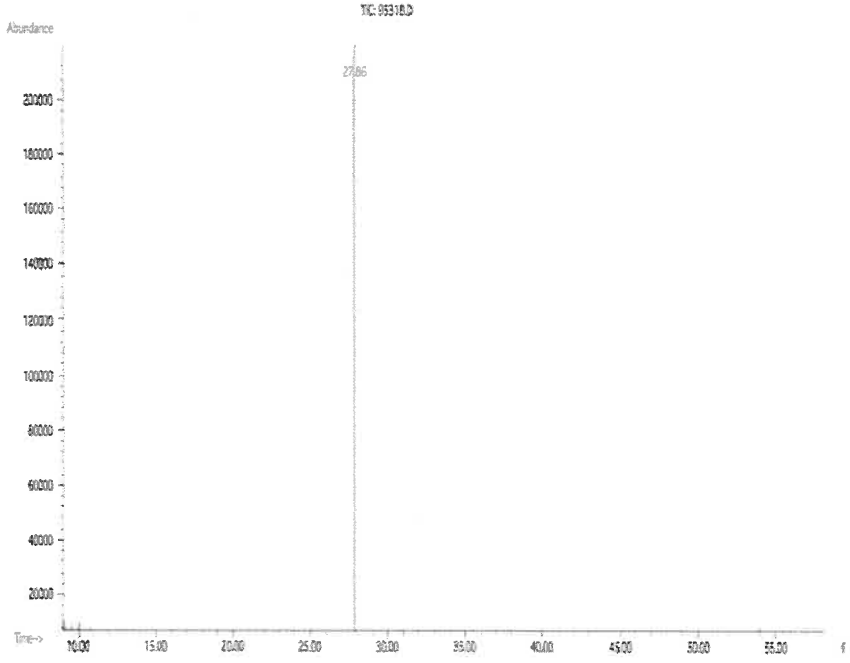
Solvent(s): Methanol **Lot#** EJ143-US

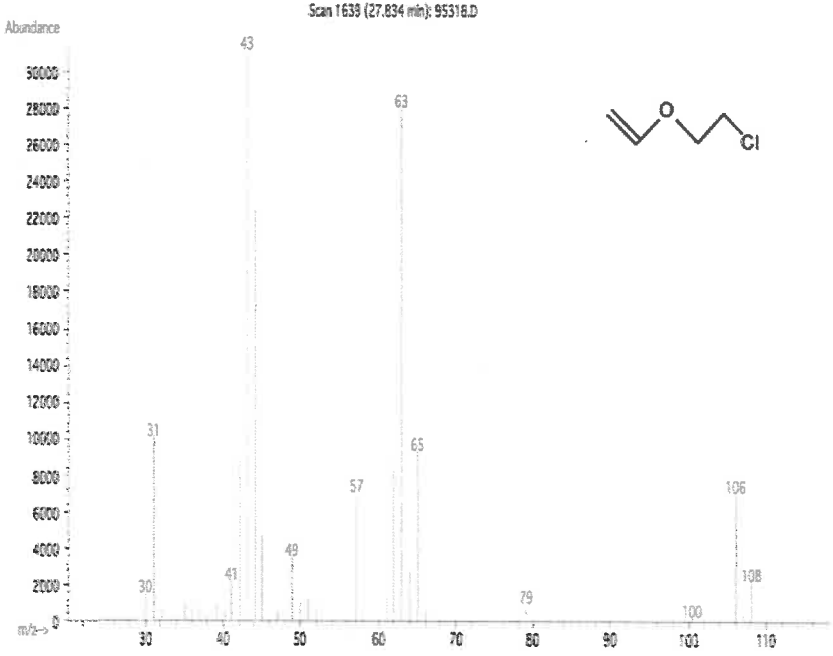
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

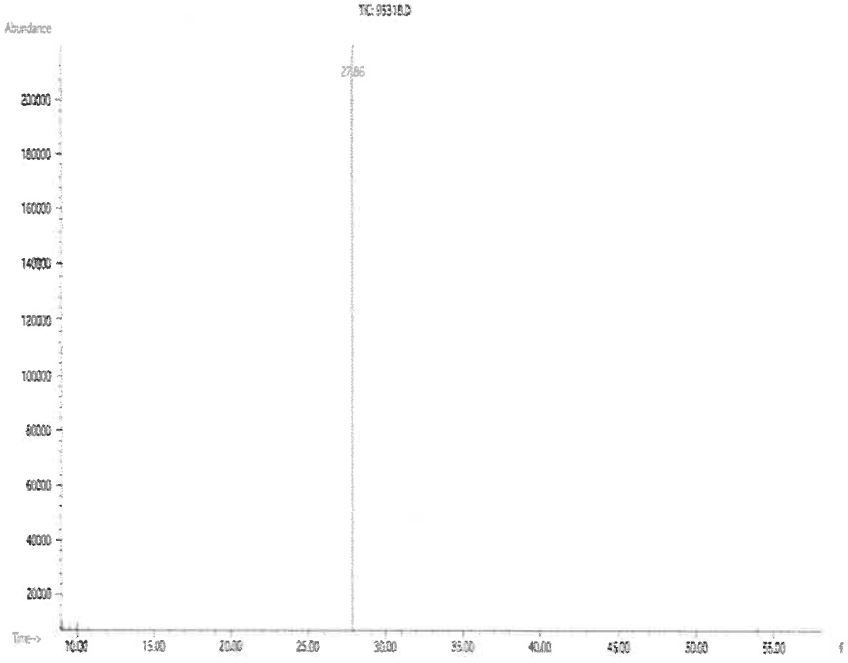
Solvent(s): Methanol **Lot#** EJ143-US

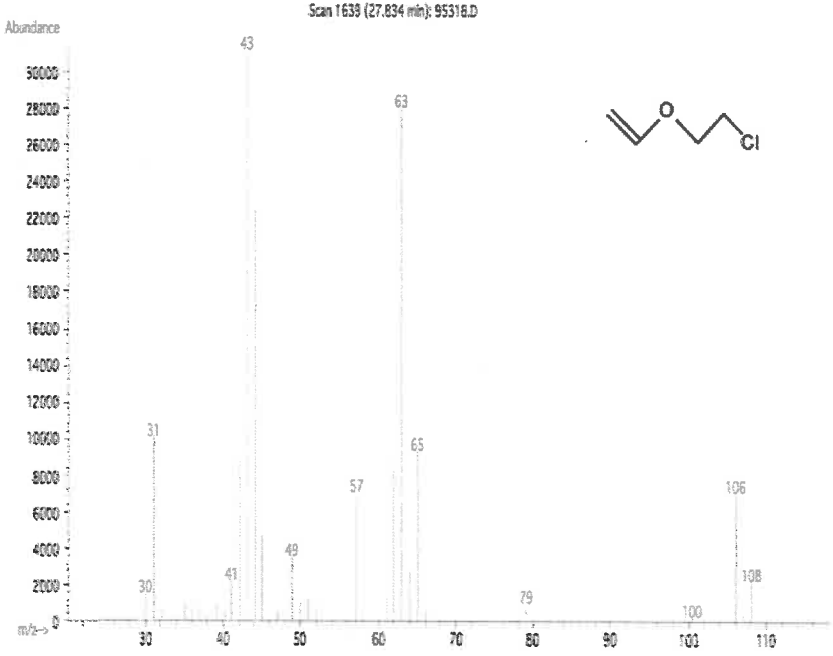
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

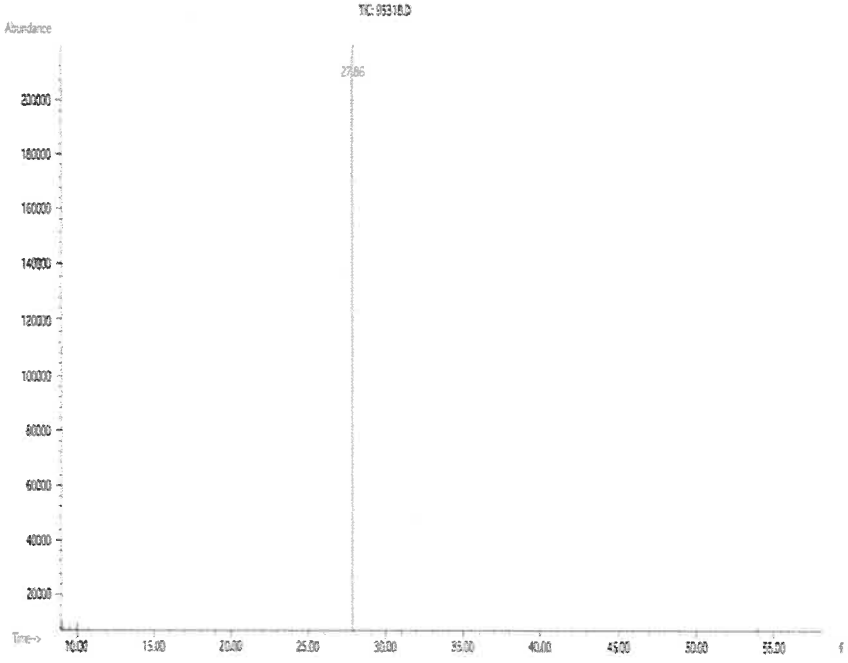
Solvent(s): Methanol **Lot#** EJ143-US

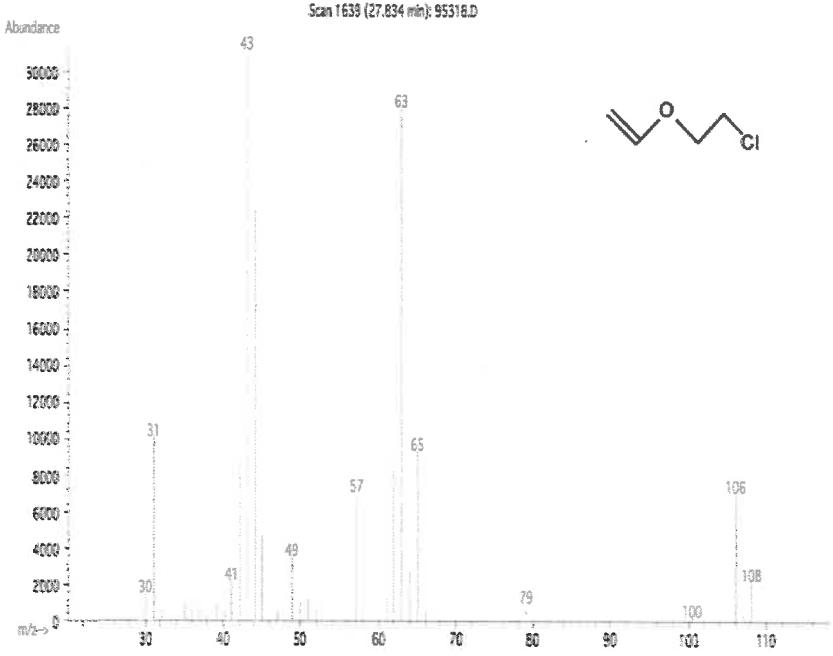
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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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.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.
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Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
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Solubility in Water COMPLETE

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Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

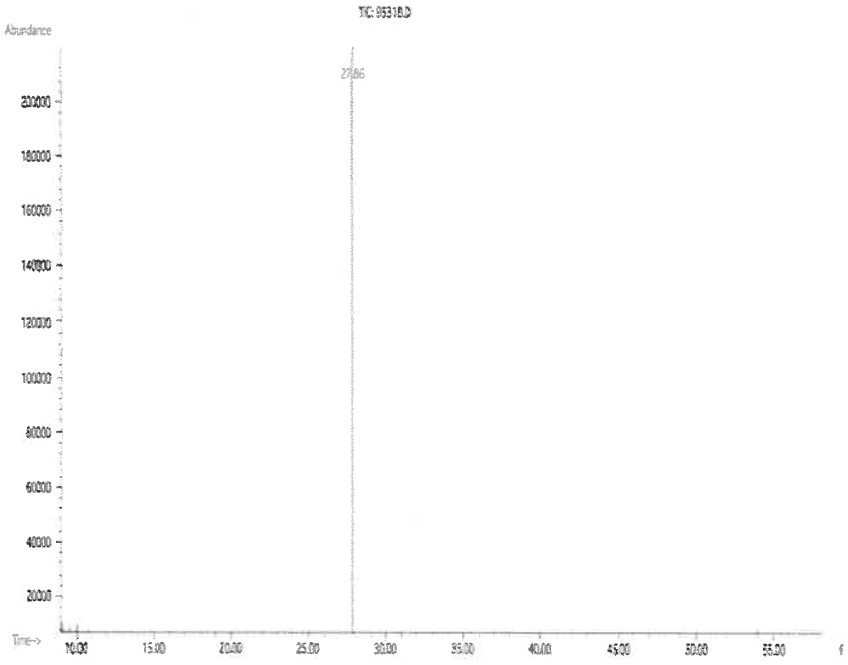
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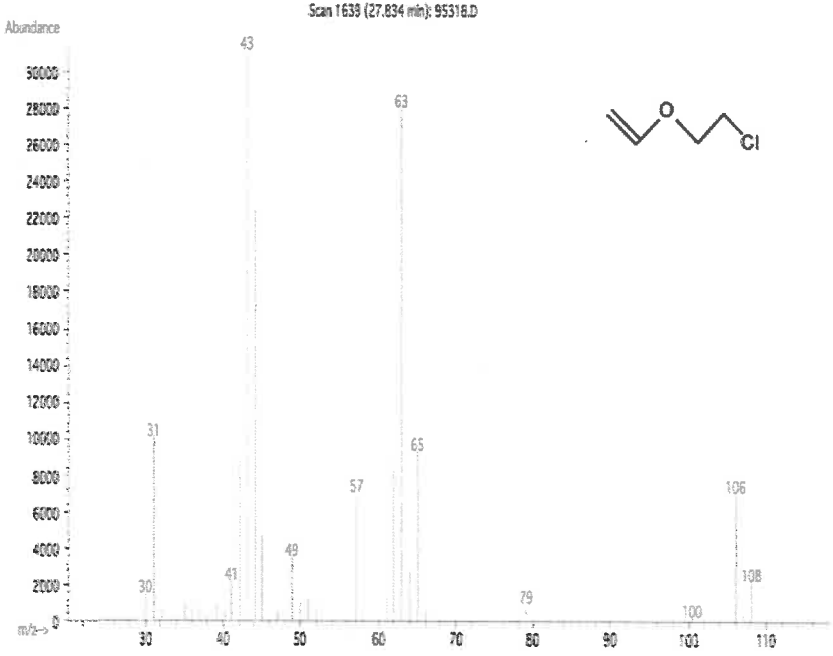
5E-05 Balance Uncertainty
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Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

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

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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
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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.
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Methanol 67-56-1 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.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

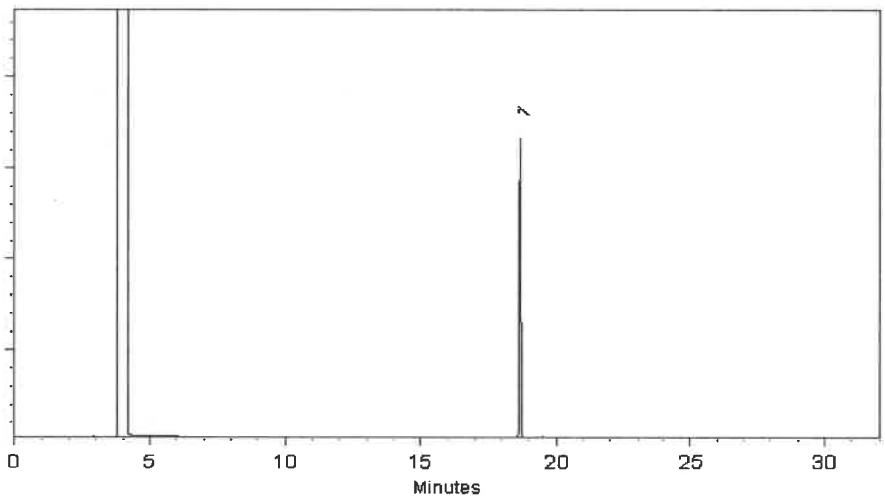
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

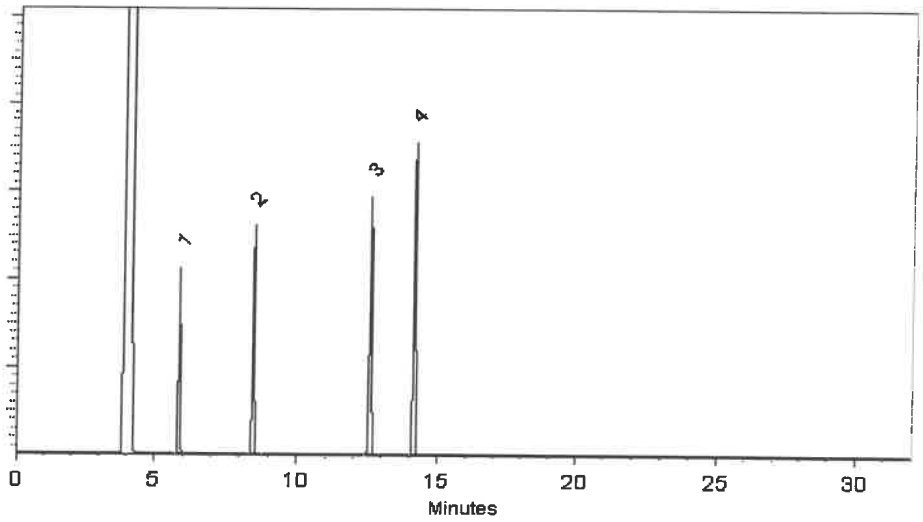
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

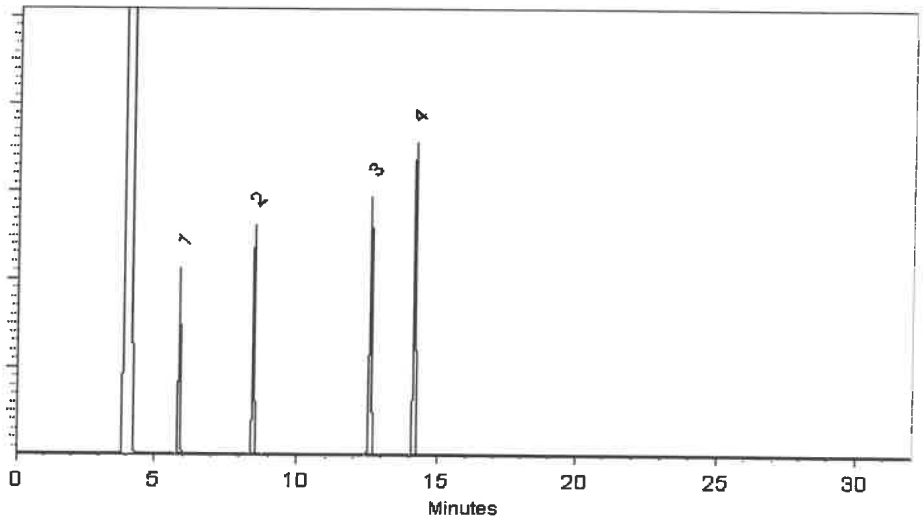
Inj. Temp:
200°C

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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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
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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.)

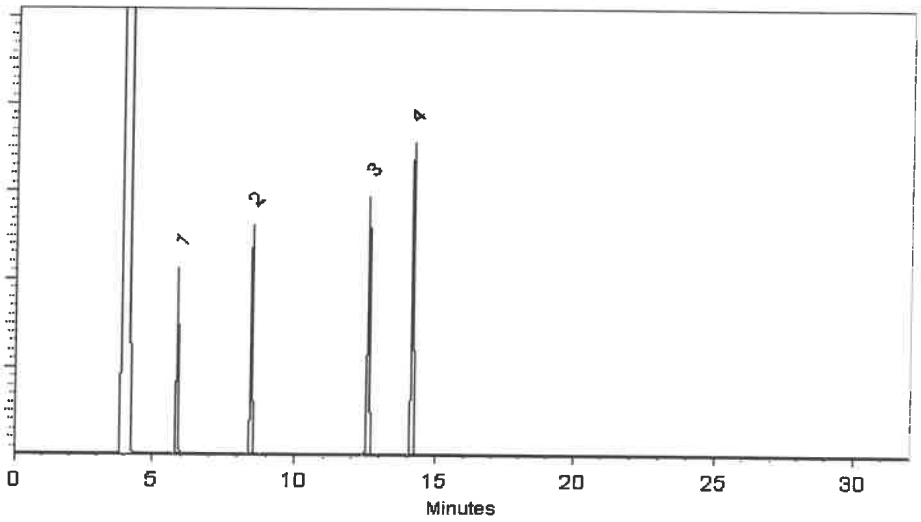
Inj. Temp:
200°C

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.
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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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.

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10 vial.

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Rec: 12/09/24

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V14667 to
V14676

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

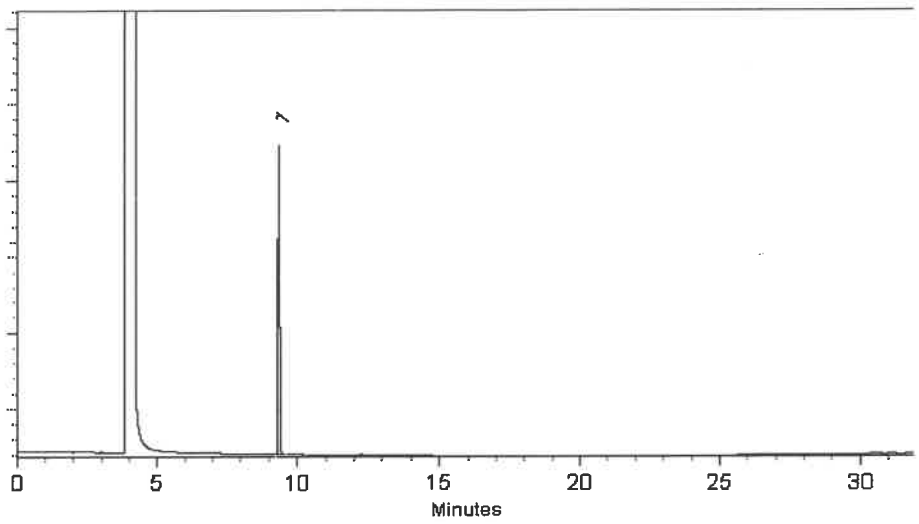
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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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Tel: 1-814-353-1300
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10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

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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.)

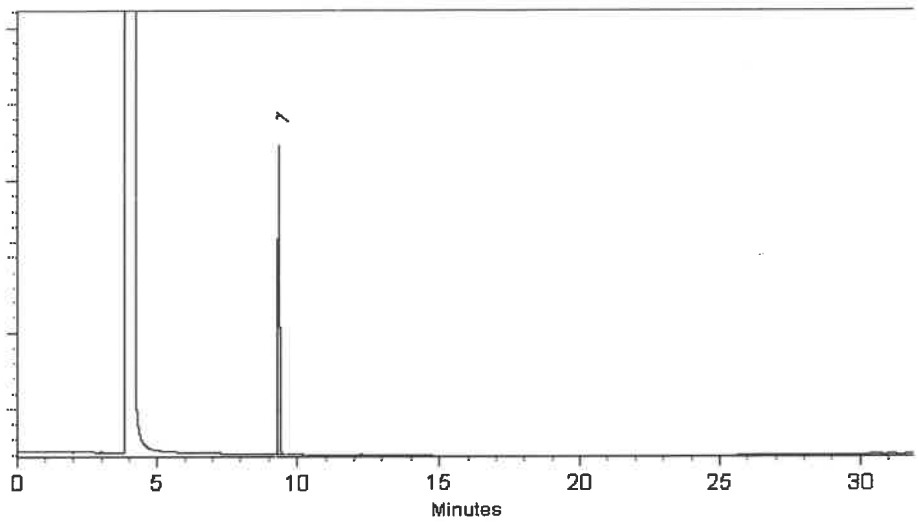
Inj. Temp:
200°C

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.

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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:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

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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.)

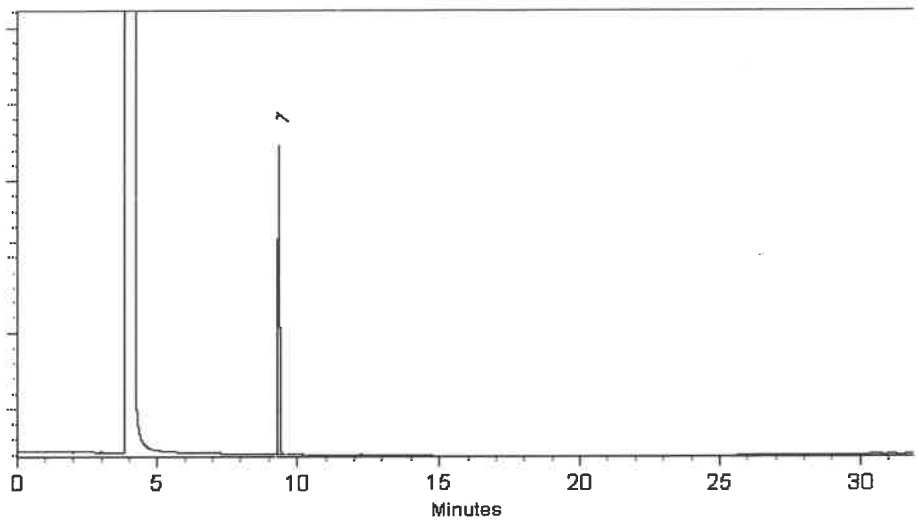
Inj. Temp:
200°C

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:

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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:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

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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.)

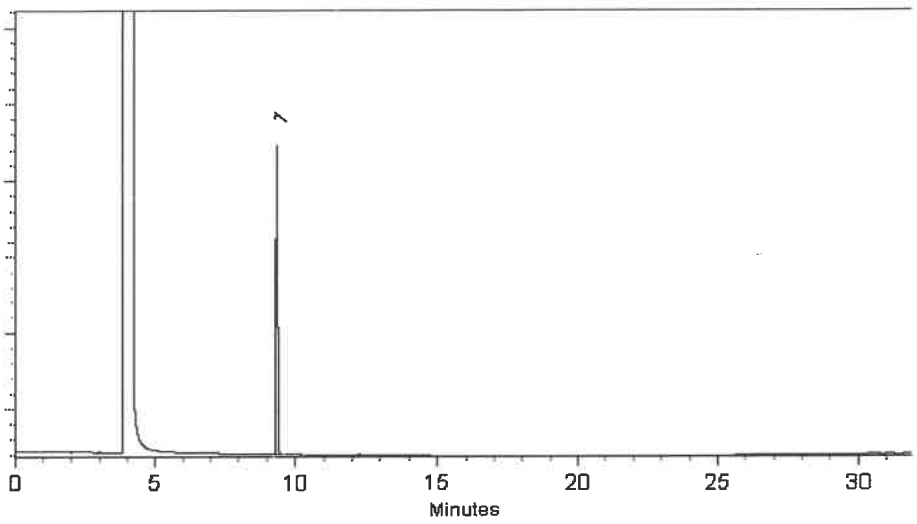
Inj. Temp:
200°C

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:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
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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.

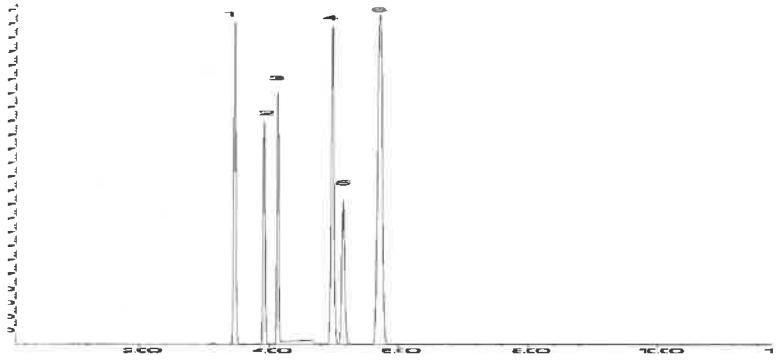
Inj. Temp:
200°C

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:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

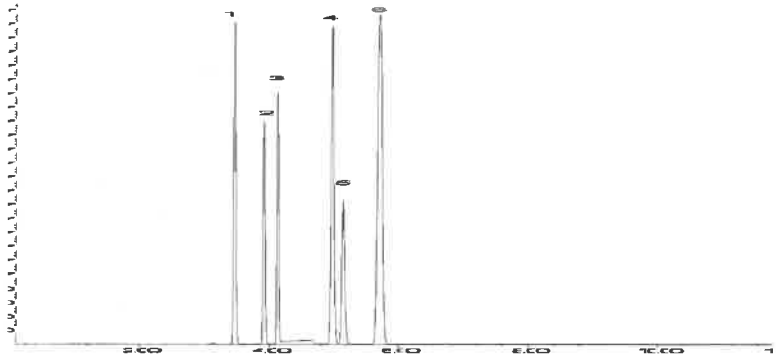
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

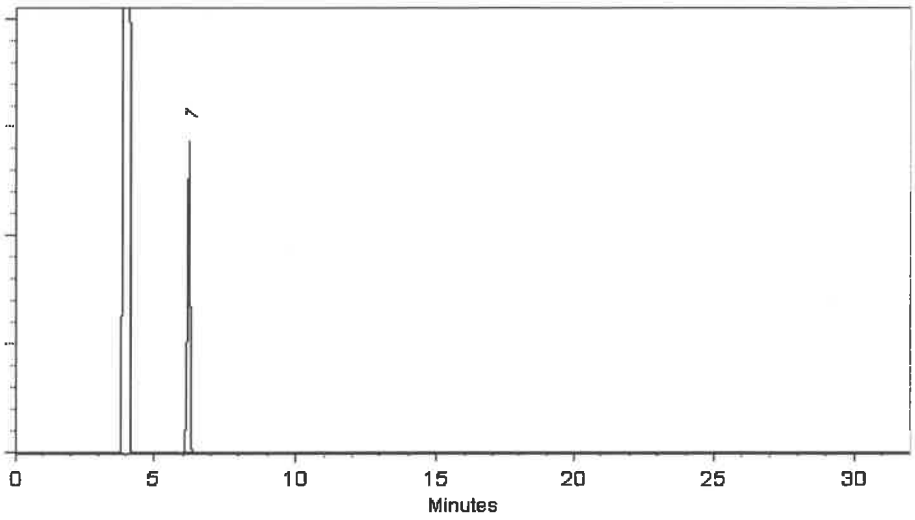
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

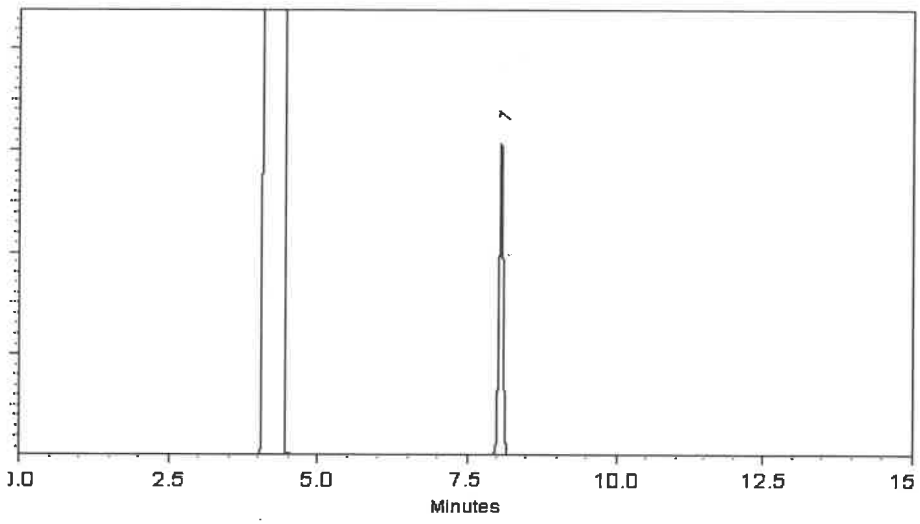
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Vinyl Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

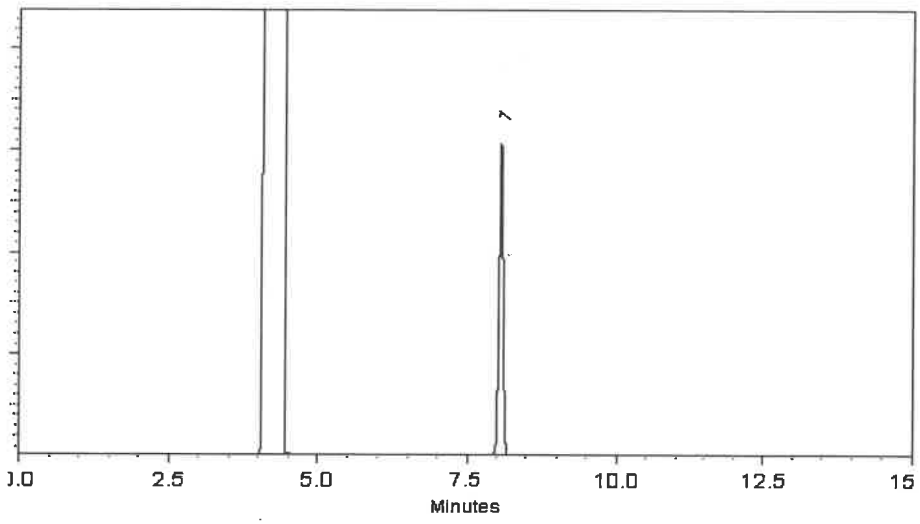
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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10 vial

CERTIFIED REFERENCE MATERIAL

Rec 03/31/25

Certificate of Analysis

gravimetric

V14904 to V14913

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0223904

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 27-Mar-2025 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
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For Purge and Trap Analysis

Rec 05/09/25

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V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

Lee 05119125

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:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 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

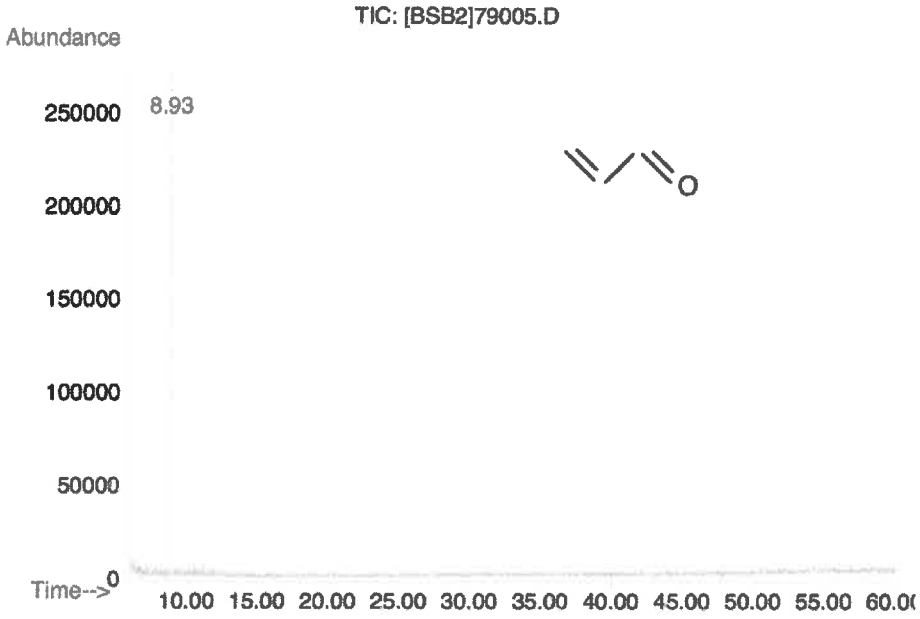
V15071 – V15075

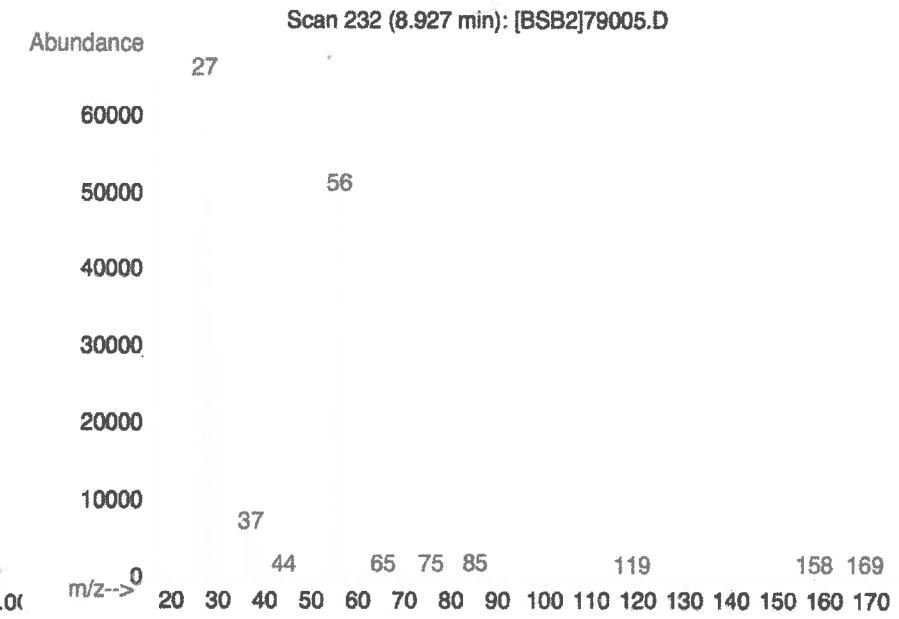
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By: Prashant Chauhan	101625 DATE
Reviewed By: Pedro L. Rentas	101625 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

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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

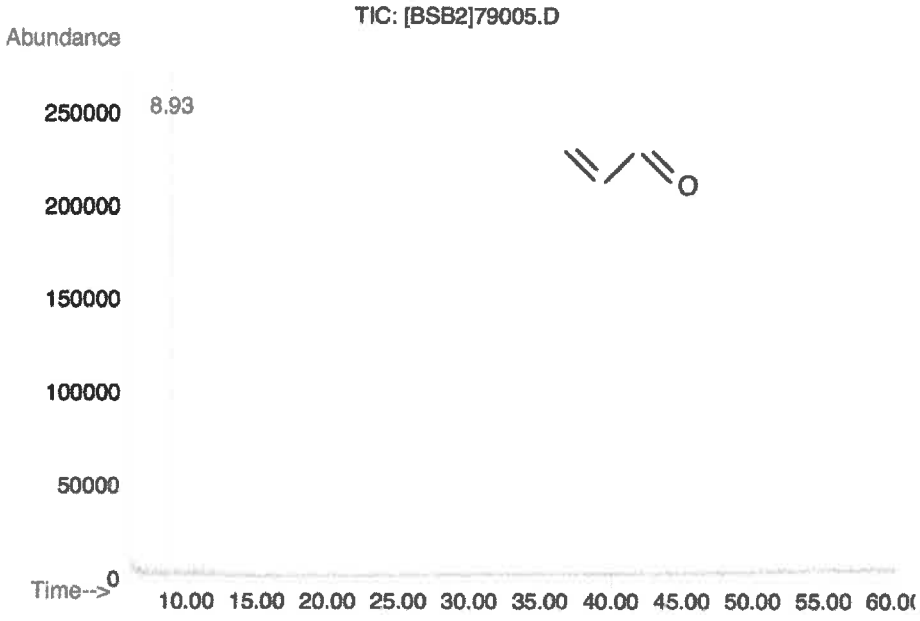
V15071 – V15075

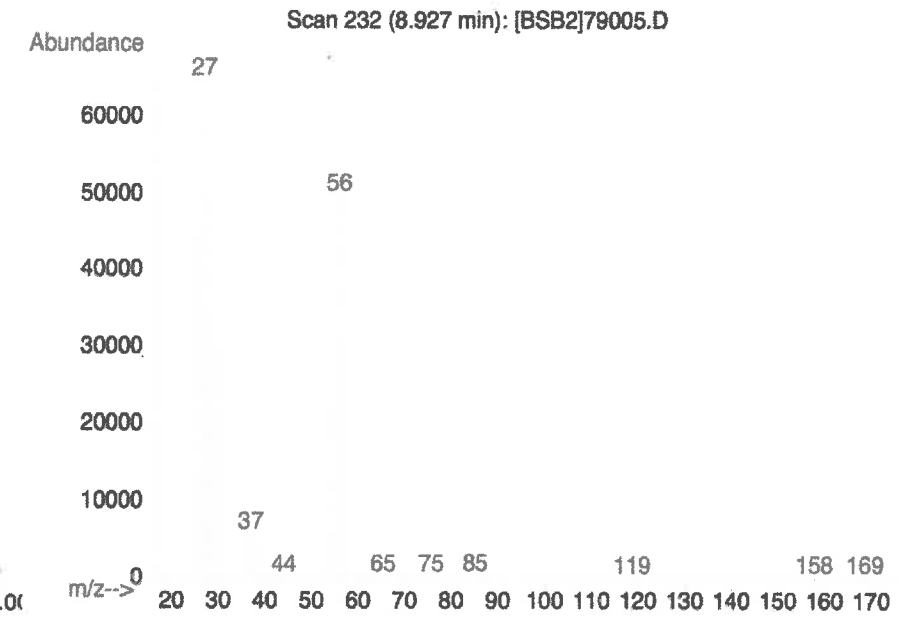
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Prashant Chauhan	101625
Formulated By: Prashant Chauhan	DATE
Pedro L. 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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  Rev 1.0, 2/25/2025

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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

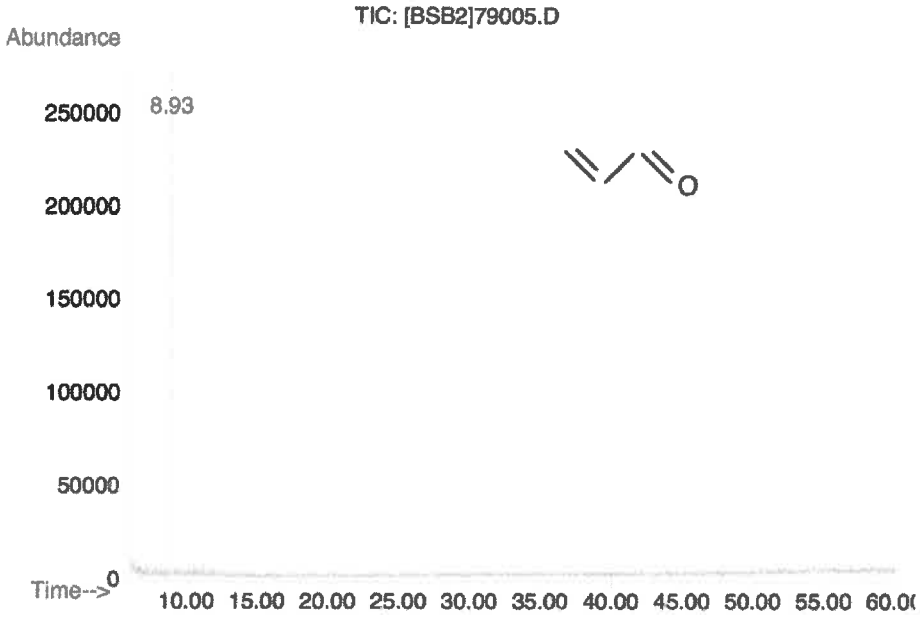
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

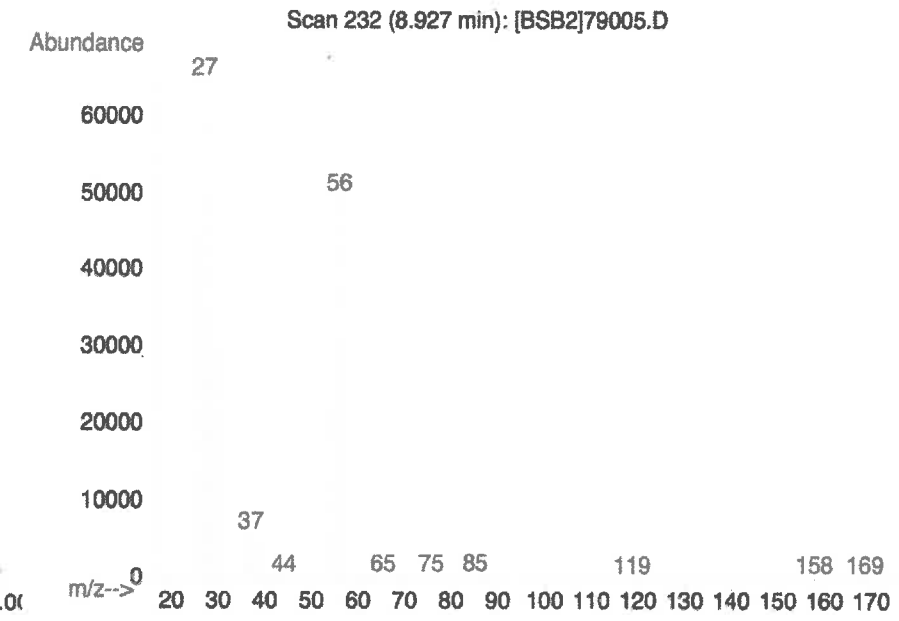
Weight(s) shown below were combined and diluted to (mL): 10.0

Prashant Chauhan	101625
Formulated By: Prashant Chauhan	DATE
Pedro L. 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

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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	Q3422-01	36.69-32.31=4.38	14:01	40.61-32.82=7.79	14:02	33.02-28.53=4.49	14:03	V14921	10/22/2025	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. Q3422
QUOTE NO.
COC Number 2045128 Q3423

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond
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 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☑ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1: SVOCs 2: Pesticides TCL 3: Hg, Metals 4: PCBs, HexChrome 5: Dioxin- 6: Grain Size 7: TOCs 8: VOCs 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	PR132-FB2-20251021	A		X	10/21	13:30	1	X	X	X	X	X			X		
2.	PR132-S15-000008-20251021	S		X	10/21	9:00	11	X	X	X	X	X	X	X	X		
3.	Temp Blank	A			10/21		1	X	X	X	X	X			X		
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Alderson	10/21/25 1730	1. 10-21-25 1635
2.	DATE/TIME:	2.
3.	DATE/TIME: 10-21-25 1740	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °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

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3422 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/22/2025 11:11:00 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/21/2025 5:40:00 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
Q3422-01	PR132-S15-000008-20251021	Solid	10/21/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3422-02	PR132-FB2-20251021	Water	10/21/2025	13:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 10/22/25 1245

Received By :
Date / Time : 10/22/25 1245

Storage Area : VOA Refridgerator Room