

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : NJ SOIL PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q3483

ATTENTION : Mohammad Ahmed



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3483

Project ID : NJ Soil PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q3483-01
Q3483-02
Q3483-03
Q3483-04
Q3483-05
Q3483-06
Q3483-07
Q3483-08
Q3483-09
Q3483-10
Q3483-11
Q3483-12
Q3483-13
Q3483-14
Q3483-15
Q3483-16
Q3483-17
Q3483-18
Q3483-19
Q3483-20
Q3483-21
Q3483-22
Q3483-23
Q3483-24
Q3483-25

Client Sample Number

HW1025-PT-AN-SOIL
HW1025-PT-CORR-SOIL
HW1025-PT-CN-SOIL
HW1025-PT-CN-SOIL
HW1025-PT-FP-SOIL
HW1025-PT-CR6-SOIL
HW1025-PT-NUT-SOIL
HW1025-PT-NUT-SOIL
HW1025-PT-OGR-SOIL
HW1025-PT-MET-SOIL
HW1025-PT-BNA-SOIL
HW1025-PT-TRIAZINE-SOIL
HW1025-PT-PAH-SOIL
HW1025-PT-DIES-SOIL
HW1025-PT-GAS-SOIL
HW1025-PT-NJEPH-SOIL
HW1025-PT-HERB-SOIL
HW1025-PT-PCB-SOIL
HW1025-PT-PCBO-SOIL
HW1025-PT-PEST-SOIL
HW1025-PT-CHLOR-SOIL
HW1025-PT-TXP-SOIL
HW1025-PT-VOA-SOIL
HW1025-PT-SOL-SOIL
HW1025-PT-NO2-SOIL

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

Signature : _____

Date: 11/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Soil PT

Project # N/A

Order ID # Q3483

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 10/29/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

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 VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike for {VY1106SBS01} with File ID: VY023694.D met requirements for all compounds except for Tetrahydrofuran[110%] is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike Duplicate for {VY1106SBSD01} with File ID: VY023695.D met requirements for all compounds except for Tetrahydrofuran[110%] 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 %RSD is greater than 20% in the Initial Calibration method (82Y110425S.M) for Naphthalene passing on Linear regression.

The Continuous Calibration File ID VY023692.D met the requirements except for Acrolein.

The Tuning criteria met requirements.



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Phone: 908 789 8900 Fax: 908 789 8922

Sample HW1025-PT-VOA-SOIL was diluted due to high concentration.

E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3483

MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82Y110425S.M) for Naphthalene passing on Linear regression. The Continuous Calibration File ID VY023692.D met the requirements except for Acrolein.		✓	
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike for {VY1106SBS01} with File ID: VY023694.D met requirements for all compounds except for Tetrahydrofuran[110%] is failing high but no positive hit in associate sample therefore no corrective action taken. The Blank Spike Duplicate for {VY1106SBSD01} with File ID: VY023695.D met requirements for all compounds except for Tetrahydrofuran[110%] is failing high but no positive hit in associate sample therefore no corrective action taken.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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 (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

Sample HW1025-PT-VOA-SOIL was diluted due to high concentration.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3483

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 Custody

✓

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: 11/11/2025

LAB CHRONICLE

OrderID:	Q3483	OrderDate:	10/29/2025 2:32:00 PM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Soil PT
Contact:	Mohammad Ahmed	Location:	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3483-23	HW1025-PT-VOA-SOI L	SOIL	VOCMS Group1	8260D	10/27/25		11/06/25	10/29/25
Q3483-23DL	HW1025-PT-VOA-SOI LDL	SOIL	VOCMS Group1	8260D	10/27/25		11/06/25	10/29/25

Hit Summary Sheet
SW-846

SDG No.: Q3483

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	HW1025-PT-VOA-SOIL							
Q3483-23	HW1025-PT-VOA- SOIL		1,1-Dichloroethene	100		1.00	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Acetone	320		4.70	25.0	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Methyl tert-butyl Ether	82.6		0.73	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		trans-1,2-Dichloroethene	63.4		0.86	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		2-Butanone	130		6.50	25.0	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Carbon Tetrachloride	65.7		0.97	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		cis-1,2-Dichloroethene	58.0		0.75	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Chloroform	61.6		0.84	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Benzene	95.4		0.79	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		1,2-Dichloroethane	190	E	0.79	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Trichloroethene	120		0.81	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		t-1,3-Dichloropropene	160	E	0.65	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		cis-1,3-Dichloropropene	180	E	0.62	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		2-Hexanone	350		3.70	25.0	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		1,2-Dibromoethane	27.1		0.88	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Tetrachloroethene	71.2		1.10	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Chlorobenzene	22.9		0.91	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		1,1,1,2-Tetrachloroethane	65.5		0.77	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Ethyl Benzene	22.9		0.67	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Total Xylenes	390		2.02	15.0	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		m/p-Xylenes	190		1.20	10.0	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		o-Xylene	200	E	0.82	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Styrene	110		0.71	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Bromoform	110		0.86	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		1,1,2,2-Tetrachloroethane	160	E	1.20	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		1,2,3-Trichloropropane	140		1.20	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		2-Chlorotoluene	90.9		0.68	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		tert-Butylbenzene	140		0.67	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		1,2,4-Trimethylbenzene	200	E	0.64	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		p-Isopropyltoluene	200	E	0.62	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		1,3-Dichlorobenzene	53.8		1.70	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		1,4-Dichlorobenzene	81.5		1.60	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		1,2,4-Trichlorobenzene	160	E	3.00	5.00	ug/Kg
Q3483-23	HW1025-PT-VOA- SOIL		Naphthalene	60.8		2.60	5.00	ug/Kg
Total Voc :				4080				
Total Concentration:				4080				

Hit Summary Sheet
SW-846

SDG No.: Q3483

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:		HW1025-PT-VOA-SOILDL						
Q3483-23DL	HW1025-PT-VOA- SOIL		1,1-Dichloroethene	96.9	D	4.00	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Acetone	330	D	19.0	100	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Methyl tert-butyl Ether	78.1	D	2.90	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		trans-1,2-Dichloroethene	62.1	D	3.40	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		2-Butanone	130	D	26.2	100	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Carbon Tetrachloride	62.9	D	3.90	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		cis-1,2-Dichloroethene	56.2	D	3.00	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Chloroform	63.8	D	3.40	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Benzene	92.2	D	3.20	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		1,2-Dichloroethane	190	D	3.20	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Trichloroethene	120	D	3.20	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		t-1,3-Dichloropropene	150	D	2.60	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		cis-1,3-Dichloropropene	170	D	2.50	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		2-Hexanone	310	D	14.8	100	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		1,2-Dibromoethane	27.0	D	3.50	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Tetrachloroethene	68.1	D	4.20	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Chlorobenzene	22.3	D	3.60	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		1,1,1,2-Tetrachloroethane	64.1	D	3.10	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Ethyl Benzene	20.6	D	2.70	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Total Xylenes	360	D	8.30	60.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		m/p-Xylenes	180	D	5.00	40.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		o-Xylene	180	D	3.30	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Styrene	110	D	2.80	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Bromoform	110	D	3.40	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		1,1,2,2-Tetrachloroethane	160	D	4.80	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		1,2,3-Trichloropropane	140	D	5.00	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		2-Chlorotoluene	79.3	D	2.70	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		tert-Butylbenzene	120	D	2.70	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		1,2,4-Trimethylbenzene	190	D	2.60	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		p-Isopropyltoluene	170	D	2.50	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		1,3-Dichlorobenzene	49.5	D	6.80	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		1,4-Dichlorobenzene	78.2	D	6.20	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		1,2,4-Trichlorobenzene	130	D	11.9	20.0	ug/Kg
Q3483-23DL	HW1025-PT-VOA- SOIL		Naphthalene	62.6	D	10.3	20.0	ug/Kg
Total Voc :				3870				
Total Concentration:				3870				



QC SUMMARY

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Surrogate Summary

SDG No.: **Q3483**

Client: **Alliance Technical Group, LLC - Newark**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3483-23	HW1025-PT-VOA-SOIL	1,2-Dichloroethane-d4	50	50.3	101		63	155
		Dibromofluoromethane	50	48.9	98		70	134
		Toluene-d8	50	50.2	100		74	123
		4-Bromofluorobenzene	50	48.5	97		17	146
Q3483-23DL	HW1025-PT-VOA-SOILDL	1,2-Dichloroethane-d4	50	52.0	104		63	155
		Dibromofluoromethane	50	48.8	98		70	134
		Toluene-d8	50	49.0	98		74	123
		4-Bromofluorobenzene	50	47.3	95		17	146
VY1106SBL01	VY1106SBL01	1,2-Dichloroethane-d4	50	59.7	119		63	155
		Dibromofluoromethane	50	51.2	102		70	134
		Toluene-d8	50	48.8	98		74	123
		4-Bromofluorobenzene	50	41.9	84		17	146
VY1106SBS01	VY1106SBS01	1,2-Dichloroethane-d4	50	52.0	104		63	155
		Dibromofluoromethane	50	50.5	101		70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	51.6	103		17	146
VY1106SBSD01	VY1106SBSD01	1,2-Dichloroethane-d4	50	51.9	104		63	155
		Dibromofluoromethane	50	50.4	101		70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	51.7	103		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3483 Analytical Method: SW8260D

Client: Alliance Technical Group, LLC - New Datafile : VY023694.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1106SBS01	Dichlorodifluoromethane	20	22.0	ug/Kg	110			64	136	
	Chloromethane	20	21.4	ug/Kg	107			52	151	
	Vinyl chloride	20	20.6	ug/Kg	103			56	148	
	Ethyl Acetate	20	21.2	ug/Kg	106			77	113	
	Isopropylacetate	20	20.6	ug/Kg	103			84	110	
	Bromomethane	20	21.4	ug/Kg	107			58	141	
	Chloroethane	20	20.3	ug/Kg	102			69	130	
	Tetrahydrofuran	100	110	ug/Kg	110	*		78	107	
	Trichlorofluoromethane	20	20.6	ug/Kg	103			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104			81	123	
	Tert butyl alcohol	100	130	ug/Kg	130			24	175	
	Diethyl Ether	20	20.4	ug/Kg	102			87	115	
	1,1-Dichloroethene	20	20.4	ug/Kg	102			79	121	
	Acrolein	100	110	ug/Kg	110			54	141	
	Acrylonitrile	100	110	ug/Kg	110			68	136	
	Acetone	100	120	ug/Kg	120			40	171	
	Carbon disulfide	20	21.0	ug/Kg	105			59	130	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			77	129	
	Methyl Acetate	20	21.3	ug/Kg	106			69	149	
	Methylene Chloride	20	22.0	ug/Kg	110			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	Vinyl Acetate	100	110	ug/Kg	110			86	117	
	1,1-Dichloroethane	20	20.9	ug/Kg	104			82	123	
	Cyclohexane	20	20.8	ug/Kg	104			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	20.5	ug/Kg	103			76	129	
	2,2-Dichloropropane	20	21.0	ug/Kg	105			62	143	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			82	123	
	Bromochloromethane	20	21.4	ug/Kg	107			80	127	
	Chloroform	20	20.6	ug/Kg	103			82	125	
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102			80	126	
	Methylcyclohexane	20	19.7	ug/Kg	99			77	123	
	1,1-Dichloropropene	20	20.4	ug/Kg	102			84	119	
	Benzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			81	126	
	Trichloroethene	20	20.0	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Dibromomethane	20	20.7	ug/Kg	104			83	119	
	Bromodichloromethane	20	20.7	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Methyl methacrylate	20	20.5	ug/Kg	103			77	121	
	Toluene	20	20.7	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104			82	125	
	1,3-Dichloropropane	20	20.6	ug/Kg	103			80	125	
	2-Chloroethyl vinyl ether	100	98.7	ug/Kg	99			36	195	
	2-Hexanone	100	110	ug/Kg	110			66	138	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3483</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Alliance Technical Group, LLC - New</u>	Datafile :	<u>VY023694.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1106SBS01	Dibromochloromethane	20	20.1	ug/Kg	101			79	125	
	1,2-Dibromoethane	20	20.8	ug/Kg	104			80	125	
	Tetrachloroethene	20	19.8	ug/Kg	99			83	125	
	Chlorobenzene	20	19.9	ug/Kg	100			84	122	
	1,1,1,2-Tetrachloroethane	20	19.8	ug/Kg	99			84	123	
	Hexachloroethane	20	19.2	ug/Kg	96			76	121	
	Ethyl Benzene	20	19.9	ug/Kg	100			82	124	
	m/p-Xylenes	40	40.1	ug/Kg	100			83	124	
	o-Xylene	20	19.6	ug/Kg	98			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	19.9	ug/Kg	100			75	127	
	Isopropylbenzene	20	19.6	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103			77	127	
	1,2,3-Trichloropropane	20	20.5	ug/Kg	103			58	144	
	Bromobenzene	20	19.3	ug/Kg	97			83	120	
	N-propylbenzene	20	20.2	ug/Kg	101			81	123	
	2-Chlorotoluene	20	19.9	ug/Kg	100			84	118	
	1,3,5-Trimethylbenzene	20	20.2	ug/Kg	101			82	124	
	4-Chlorotoluene	20	20.4	ug/Kg	102			82	122	
	tert-Butylbenzene	20	19.5	ug/Kg	98			81	125	
	1,2,4-Trimethylbenzene	20	20.1	ug/Kg	101			81	125	
	Sec-butylbenzene	20	19.9	ug/Kg	100			80	124	
	p-Isopropyltoluene	20	19.7	ug/Kg	99			81	125	
	1,3-Dichlorobenzene	20	19.5	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.4	ug/Kg	97			84	121	
	n-Butylbenzene	20	19.5	ug/Kg	98			78	126	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			83	124	
	1,2-Dibromo-3-Chloropropane	20	20.0	ug/Kg	100			66	134	
	1,2,4-Trichlorobenzene	20	18.9	ug/Kg	95			78	127	
	Hexachlorobutadiene	20	18.9	ug/Kg	95			80	123	
	Naphthalene	20	19.2	ug/Kg	96			70	134	
	1,2,3-Trichlorobenzene	20	19.6	ug/Kg	98			70	137	
	N-amyl acetate	20	19.2	ug/Kg	96			85	115	
	Methyl iodide	20	18.1	ug/Kg	91			57	135	
	Allyl chloride	20	20.8	ug/Kg	104			89	113	
	Methacrylonitrile	20	16.8	ug/Kg	84			75	120	
	trans-1,4-Dichloro-2-butene	20	19.1	ug/Kg	96			74	115	
	Diisopropyl ether	20	21.5	ug/Kg	108			88	125	
	1,4-Dioxane	400	410	ug/Kg	103			61	144	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3483	SW-846	Analytical Method:	SW8260D
Client:	Alliance Technical Group, LLC - New	Datafile :	VY023695.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1106SBSD01	Dichlorodifluoromethane	20	22.5	ug/Kg	113	3		64	136	20
	Chloromethane	20	22.4	ug/Kg	112	5		52	151	20
	Vinyl chloride	20	21.3	ug/Kg	106	3		56	148	20
	Ethyl Acetate	20	21.5	ug/Kg	108	2		77	113	20
	Isopropylacetate	20	21.5	ug/Kg	108	5		84	110	20
	Bromomethane	20	21.1	ug/Kg	106	1		58	141	20
	Chloroethane	20	21.4	ug/Kg	107	5		69	130	20
	Tetrahydrofuran	100	110	ug/Kg	110	0	*	78	107	20
	Trichlorofluoromethane	20	20.7	ug/Kg	104	1		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104	0		81	123	20
	Tert butyl alcohol	100	140	ug/Kg	140	7		24	175	20
	Diethyl Ether	20	21.7	ug/Kg	109	7		87	115	20
	1,1-Dichloroethene	20	20.6	ug/Kg	103	1		79	121	20
	Acrolein	100	110	ug/Kg	110	0		54	141	20
	Acrylonitrile	100	110	ug/Kg	110	0		68	136	20
	Acetone	100	120	ug/Kg	120	0		40	171	20
	Carbon disulfide	20	21.5	ug/Kg	108	3		59	130	20
	Methyl tert-butyl Ether	20	21.4	ug/Kg	107	5		77	129	20
	Methyl Acetate	20	21.3	ug/Kg	106	0		69	149	20
	Methylene Chloride	20	23.3	ug/Kg	117	6		72	131	20
	trans-1,2-Dichloroethene	20	20.8	ug/Kg	104	0		80	123	20
	Vinyl Acetate	100	110	ug/Kg	110	0		86	117	20
	1,1-Dichloroethane	20	21.3	ug/Kg	106	2		82	123	20
	Cyclohexane	20	21.1	ug/Kg	106	2		76	122	20
	2-Butanone	100	120	ug/Kg	120	9		69	131	20
	Carbon Tetrachloride	20	20.2	ug/Kg	101	2		76	129	20
	2,2-Dichloropropane	20	21.5	ug/Kg	108	3		62	143	20
	cis-1,2-Dichloroethene	20	21.3	ug/Kg	106	5		82	123	20
	Bromochloromethane	20	22.4	ug/Kg	112	5		80	127	20
	Chloroform	20	21.3	ug/Kg	106	3		82	125	20
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105	3		80	126	20
	Methylcyclohexane	20	20.1	ug/Kg	101	2		77	123	20
	1,1-Dichloropropene	20	20.6	ug/Kg	103	1		84	119	20
	Benzene	20	21.2	ug/Kg	106	3		84	121	20
	1,2-Dichloroethane	20	21.4	ug/Kg	107	3		81	126	20
	Trichloroethene	20	20.6	ug/Kg	103	3		83	122	20
	1,2-Dichloropropane	20	21.3	ug/Kg	106	2		83	122	20
	Dibromomethane	20	21.1	ug/Kg	106	2		83	119	20
	Bromodichloromethane	20	21.3	ug/Kg	106	2		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Methyl methacrylate	20	20.8	ug/Kg	104	1		77	121	20
	Toluene	20	21.1	ug/Kg	106	2		83	122	20
	t-1,3-Dichloropropene	20	21.3	ug/Kg	106	4		78	124	20
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105	2		81	122	20
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106	2		82	125	20
	1,3-Dichloropropane	20	21.5	ug/Kg	108	5		80	125	20
	2-Chloroethyl vinyl ether	100	100	ug/Kg	100	1		36	195	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.: Q3483 SW-846 Analytical Method: SW8260D
Client: Alliance Technical Group, LLC - New Datafile : VY023695.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1106SBSD01	Dibromochloromethane	20	20.6	ug/Kg	103	2		79	125	20
	1,2-Dibromoethane	20	21.3	ug/Kg	106	2		80	125	20
	Tetrachloroethene	20	20.1	ug/Kg	101	2		83	125	20
	Chlorobenzene	20	20.4	ug/Kg	102	2		84	122	20
	1,1,1,2-Tetrachloroethane	20	20.5	ug/Kg	103	4		84	123	20
	Hexachloroethane	20	20.6	ug/Kg	103	7		76	121	20
	Ethyl Benzene	20	20.5	ug/Kg	103	3		82	124	20
	m/p-Xylenes	40	41.2	ug/Kg	103	3		83	124	20
	o-Xylene	20	20.1	ug/Kg	101	3		83	123	20
	Styrene	20	20.6	ug/Kg	103	4		82	124	20
	Bromoform	20	21.0	ug/Kg	105	5		75	127	20
	Isopropylbenzene	20	20.4	ug/Kg	102	4		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.6	ug/Kg	108	5		77	127	20
	1,2,3-Trichloropropane	20	20.8	ug/Kg	104	1		58	144	20
	Bromobenzene	20	20.5	ug/Kg	103	6		83	120	20
	N-propylbenzene	20	20.9	ug/Kg	104	3		81	123	20
	2-Chlorotoluene	20	20.7	ug/Kg	104	4		84	118	20
	1,3,5-Trimethylbenzene	20	20.9	ug/Kg	104	3		82	124	20
	4-Chlorotoluene	20	20.9	ug/Kg	104	2		82	122	20
	tert-Butylbenzene	20	19.9	ug/Kg	100	2		81	125	20
	1,2,4-Trimethylbenzene	20	21.1	ug/Kg	106	5		81	125	20
	Sec-butylbenzene	20	20.4	ug/Kg	102	2		80	124	20
	p-Isopropyltoluene	20	20.4	ug/Kg	102	3		81	125	20
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	5		83	122	20
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102	5		84	121	20
	n-Butylbenzene	20	20.4	ug/Kg	102	4		78	126	20
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103	4		83	124	20
	1,2-Dibromo-3-Chloropropane	20	20.8	ug/Kg	104	4		66	134	20
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102	7		78	127	20
	Hexachlorobutadiene	20	20.0	ug/Kg	100	5		80	123	20
	Naphthalene	20	20.5	ug/Kg	103	7		70	134	20
	1,2,3-Trichlorobenzene	20	20.7	ug/Kg	104	6		70	137	20
	N-amyl acetate	20	20.7	ug/Kg	104	8		85	115	20
	Methyl iodide	20	19.6	ug/Kg	98	7		57	135	20
	Allyl chloride	20	22.0	ug/Kg	110	6		89	113	20
	Methacrylonitrile	20	17.8	ug/Kg	89	6		75	120	20
	trans-1,4-Dichloro-2-butene	20	20.9	ug/Kg	104	8		74	115	20
	Diisopropyl ether	20	22.5	ug/Kg	113	5		88	125	20
	1,4-Dioxane	400	420	ug/Kg	105	2		61	144	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1106SBL01

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3483

Lab File ID: VY023693.D

Lab Sample ID: VY1106SBL01

Date Analyzed: 11/06/2025

Time Analyzed: 09:13

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
VY1106SBS01	VY1106SBS01	VY023694.D	11/06/2025
VY1106SBSD01	VY1106SBSD01	VY023695.D	11/06/2025
HW1025-PT-VOA-SOIL	Q3483-23	VY023696.D	11/06/2025
HW1025-PT-VOA-SOILDL	Q3483-23DL	VY023698.D	11/06/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: ALLI03Lab Code: ACESDG NO.: Q3483Lab File ID: VY023660.DBFB Injection Date: 11/04/2025Instrument ID: MSVOA_YBFB Injection Time: 08:11GC 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	17.3
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.3) 1
174	50.0 - 100.0% of mass 95	94.8
175	5.0 - 9.0% of mass 174	7 (7.4) 1
176	95.0 - 101.0% of mass 174	91.1 (96.1) 1
177	5.0 - 9.0% of mass 176	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
VSTDIC005	VSTDIC005	VY023661.D	11/04/2025	09:19
VSTDIC010	VSTDIC010	VY023662.D	11/04/2025	09:42
VSTDIC020	VSTDIC020	VY023663.D	11/04/2025	10:19
VSTDIC050	VSTDIC050	VY023664.D	11/04/2025	10:42
VSTDIC100	VSTDIC100	VY023665.D	11/04/2025	11:05
VSTDIC150	VSTDIC150	VY023666.D	11/04/2025	11:27

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)
Lab Name: AllianceContract: ALLI03Lab Code: ACESDG NO.: Q3483Lab File ID: VY023691.DBFB Injection Date: 11/06/2025Instrument ID: MSVOA_YBFB Injection Time: 08:09GC 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	17.2
75	30.0 - 60.0% of mass 95	50
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	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	91
175	5.0 - 9.0% of mass 174	6.9 (7.6) 1
176	95.0 - 101.0% of mass 174	89 (97.8) 1
177	5.0 - 9.0% of mass 176	5.8 (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	VY023692.D	11/06/2025	08:42
VY1106SBL01	VY1106SBL01	VY023693.D	11/06/2025	09:13
VY1106SBS01	VY1106SBS01	VY023694.D	11/06/2025	09:44
VY1106SBSD01	VY1106SBSD01	VY023695.D	11/06/2025	10:07
HW1025-PT-VOA-SOIL	Q3483-23	VY023696.D	11/06/2025	10:44
HW1025-PT-VOA-SOILDL	Q3483-23DL	VY023698.D	11/06/2025	11:40

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ALLI03
Lab Code: ACE SDG NO.: Q3483
Lab File ID: VY023692.D Date Analyzed: 11/06/2025
Instrument ID: MSVOA_Y Time Analyzed: 08:42
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	535947	7.71	779935	8.62	686552	11.42
UPPER LIMIT	1071890	8.213	1559870	9.116	1373100	11.92
LOWER LIMIT	267974	7.213	389968	8.116	343276	10.92
EPA SAMPLE NO.						
HW1025-PT-VOA-SOIL	531680	7.71	813455	8.62	703875	11.42
HW1025-PT-VOA-SOILDL	525542	7.71	837737	8.62	724701	11.42
VY1106SBL01	739742	7.71	1301529	8.62	1087747	11.42
VY1106SBS01	546965	7.71	822052	8.62	728273	11.41
VY1106SBSD01	530734	7.71	804208	8.62	708727	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ALLI03
 Lab Code: ACE SDG NO.: Q3483
 Lab File ID: VY023692.D Date Analyzed: 11/06/2025
 Instrument ID: MSVOA_Y Time Analyzed: 08:42
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	343829	13.346				
UPPER LIMIT	687658	13.846				
LOWER LIMIT	171915	12.846				
EPA SAMPLE NO.						
HW1025-PT-VOA-SOIL	354034	13.35				
HW1025-PT-VOA-SOILDL	374577	13.35				
VY1106SBL01	415434	13.35				
VY1106SBS01	370507	13.35				
VY1106SBSD01	361529	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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: HW1025-PT-VOA-SOIL

Lab Sample ID: Q3483-23

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected: 10/27/25

Date Received: 10/29/25

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 10:44	VY110625
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 10:44	VY110625
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 10:44	VY110625
141-78-6	Ethyl Acetate	1.30	U	1	1.30	5.00	ug/Kg	11/06/25 10:44	VY110625
108-21-4	Isopropyl Acetate	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 10:44	VY110625
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 10:44	VY110625
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/06/25 10:44	VY110625
109-99-9	Tetrahydrofuran	4.70	UQ	1	4.70	25.0	ug/Kg	11/06/25 10:44	VY110625
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 10:44	VY110625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 10:44	VY110625
75-65-0	Tert butyl alcohol	13.7	U	1	13.7	25.0	ug/Kg	11/06/25 10:44	VY110625
60-29-7	Diethyl Ether	0.77	U	1	0.77	5.00	ug/Kg	11/06/25 10:44	VY110625
75-35-4	1,1-Dichloroethene	100		1	1.00	5.00	ug/Kg	11/06/25 10:44	VY110625
107-02-8	Acrolein	8.80	U	1	8.80	25.0	ug/Kg	11/06/25 10:44	VY110625
107-13-1	Acrylonitrile	5.00	U	1	5.00	25.0	ug/Kg	11/06/25 10:44	VY110625
67-64-1	Acetone	320		1	4.70	25.0	ug/Kg	11/06/25 10:44	VY110625
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 10:44	VY110625
1634-04-4	Methyl tert-butyl Ether	82.6		1	0.73	5.00	ug/Kg	11/06/25 10:44	VY110625
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/06/25 10:44	VY110625
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/06/25 10:44	VY110625
156-60-5	trans-1,2-Dichloroethene	63.4		1	0.86	5.00	ug/Kg	11/06/25 10:44	VY110625
108-05-4	Vinyl Acetate	4.90	U	1	4.90	25.0	ug/Kg	11/06/25 10:44	VY110625
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/06/25 10:44	VY110625
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 10:44	VY110625
78-93-3	2-Butanone	130		1	6.50	25.0	ug/Kg	11/06/25 10:44	VY110625
56-23-5	Carbon Tetrachloride	65.7		1	0.97	5.00	ug/Kg	11/06/25 10:44	VY110625
594-20-7	2,2-Dichloropropane	1.30	U	1	1.30	5.00	ug/Kg	11/06/25 10:44	VY110625
156-59-2	cis-1,2-Dichloroethene	58.0		1	0.75	5.00	ug/Kg	11/06/25 10:44	VY110625
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 10:44	VY110625
67-66-3	Chloroform	61.6		1	0.84	5.00	ug/Kg	11/06/25 10:44	VY110625
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/06/25 10:44	VY110625
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 10:44	VY110625
563-58-6	1,1-Dichloropropene	0.87	U	1	0.87	5.00	ug/Kg	11/06/25 10:44	VY110625
71-43-2	Benzene	95.4		1	0.79	5.00	ug/Kg	11/06/25 10:44	VY110625
107-06-2	1,2-Dichloroethane	190	E	1	0.79	5.00	ug/Kg	11/06/25 10:44	VY110625
79-01-6	Trichloroethene	120		1	0.81	5.00	ug/Kg	11/06/25 10:44	VY110625
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 10:44	VY110625
74-95-3	Dibromomethane	0.89	U	1	0.89	5.00	ug/Kg	11/06/25 10:44	VY110625
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 10:44	VY110625
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/06/25 10:44	VY110625
80-62-6	Methyl methacrylate	0.74	U	1	0.74	5.00	ug/Kg	11/06/25 10:44	VY110625
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 10:44	VY110625
10061-02-6	t-1,3-Dichloropropene	160	E	1	0.65	5.00	ug/Kg	11/06/25 10:44	VY110625



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

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: HW1025-PT-VOA-SOIL

Lab Sample ID: Q3483-23

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected: 10/27/25

Date Received: 10/29/25

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
10061-01-5	cis-1,3-Dichloropropene	180	E	1	0.62	5.00	ug/Kg	11/06/25 10:44	VY110625
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/06/25 10:44	VY110625
142-28-9	1,3-Dichloropropane	0.68	U	1	0.68	5.00	ug/Kg	11/06/25 10:44	VY110625
110-75-8	2-Chloroethyl Vinyl ether	3.80	U	1	3.80	25.0	ug/Kg	11/06/25 10:44	VY110625
591-78-6	2-Hexanone	350		1	3.70	25.0	ug/Kg	11/06/25 10:44	VY110625
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/06/25 10:44	VY110625
106-93-4	1,2-Dibromoethane	27.1		1	0.88	5.00	ug/Kg	11/06/25 10:44	VY110625
127-18-4	Tetrachloroethene	71.2		1	1.10	5.00	ug/Kg	11/06/25 10:44	VY110625
108-90-7	Chlorobenzene	22.9		1	0.91	5.00	ug/Kg	11/06/25 10:44	VY110625
630-20-6	1,1,1,2-Tetrachloroethane	65.5		1	0.77	5.00	ug/Kg	11/06/25 10:44	VY110625
67-72-1	Hexachloroethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 10:44	VY110625
100-41-4	Ethyl Benzene	22.9		1	0.67	5.00	ug/Kg	11/06/25 10:44	VY110625
179601-23-1	m/p-Xylenes	190		1	1.20	10.0	ug/Kg	11/06/25 10:44	VY110625
1330-20-7	Total Xylenes	390		1	2.02	15.0	ug/Kg	11/06/25 10:44	VY110625
95-47-6	o-Xylene	200	E	1	0.82	5.00	ug/Kg	11/06/25 10:44	VY110625
100-42-5	Styrene	110		1	0.71	5.00	ug/Kg	11/06/25 10:44	VY110625
75-25-2	Bromoform	110		1	0.86	5.00	ug/Kg	11/06/25 10:44	VY110625
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 10:44	VY110625
79-34-5	1,1,2,2-Tetrachloroethane	160	E	1	1.20	5.00	ug/Kg	11/06/25 10:44	VY110625
96-18-4	1,2,3-Trichloropropane	140		1	1.20	5.00	ug/Kg	11/06/25 10:44	VY110625
108-86-1	Bromobenzene	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 10:44	VY110625
103-65-1	n-propylbenzene	0.73	U	1	0.73	5.00	ug/Kg	11/06/25 10:44	VY110625
95-49-8	2-Chlorotoluene	90.9		1	0.68	5.00	ug/Kg	11/06/25 10:44	VY110625
108-67-8	1,3,5-Trimethylbenzene	0.82	U	1	0.82	5.00	ug/Kg	11/06/25 10:44	VY110625
106-43-4	4-Chlorotoluene	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 10:44	VY110625
98-06-6	tert-Butylbenzene	140		1	0.67	5.00	ug/Kg	11/06/25 10:44	VY110625
95-63-6	1,2,4-Trimethylbenzene	200	E	1	0.64	5.00	ug/Kg	11/06/25 10:44	VY110625
135-98-8	sec-Butylbenzene	0.66	U	1	0.66	5.00	ug/Kg	11/06/25 10:44	VY110625
99-87-6	p-Isopropyltoluene	200	E	1	0.62	5.00	ug/Kg	11/06/25 10:44	VY110625
541-73-1	1,3-Dichlorobenzene	53.8		1	1.70	5.00	ug/Kg	11/06/25 10:44	VY110625
106-46-7	1,4-Dichlorobenzene	81.5		1	1.60	5.00	ug/Kg	11/06/25 10:44	VY110625
104-51-8	n-Butylbenzene	1.50	U	1	1.50	5.00	ug/Kg	11/06/25 10:44	VY110625
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/06/25 10:44	VY110625
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/06/25 10:44	VY110625
120-82-1	1,2,4-Trichlorobenzene	160	E	1	3.00	5.00	ug/Kg	11/06/25 10:44	VY110625
87-68-3	Hexachlorobutadiene	1.90	U	1	1.90	5.00	ug/Kg	11/06/25 10:44	VY110625
91-20-3	Naphthalene	60.8		1	2.60	5.00	ug/Kg	11/06/25 10:44	VY110625
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/06/25 10:44	VY110625
628-63-7	N-amyl acetate	0.97	U	1	0.97	5.00	ug/Kg	11/06/25 10:44	VY110625
74-88-4	Methyl Iodide	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 10:44	VY110625
107-05-1	Allyl chloride	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 10:44	VY110625
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 10:44	VY110625
126-98-7	Methacrylonitrile	1.80	U	1	1.80	5.00	ug/Kg	11/06/25 10:44	VY110625

Report of Analysis

Client: Alliance Technical Group, LLC - Newark	Date Collected: 10/27/25	
Project: NJ Soil PT	Date Received: 10/29/25	
Client Sample ID: HW1025-PT-VOA-SOIL	SDG No.: Q3483	
Lab Sample ID: Q3483-23	Matrix: SOIL	
Analytical Method: 8260D	% Solid: 100	
Sample Wt/Vol: 5 g	Test: VOCMS Group1	
Level: LOW		
Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
108-20-3	Diisopropyl ether	0.55	U	1	0.55	5.00	ug/Kg	11/06/25 10:44	VY110625
123-91-1	1,4-Dioxane	48.1	U	1	48.1	100	ug/Kg	11/06/25 10:44	VY110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.3			63 - 155	101%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.9			70 - 134	98%	SPK: 50		
2037-26-5	Toluene-d8	50.2			74 - 123	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.5			17 - 146	97%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	532000							
540-36-3	1,4-Difluorobenzene	813000							
3114-55-4	Chlorobenzene-d5	704000							
3855-82-1	1,4-Dichlorobenzene-d4	354000							

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\VY110625\
 Data File : VY023696.D
 Acq On : 06 Nov 2025 10:44
 Operator : SY/MD
 Sample : Q3483-23
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOIL

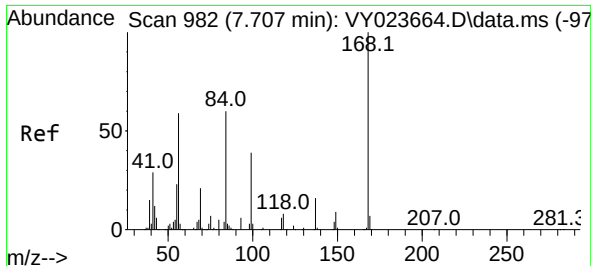
Quant Time: Nov 07 04:14:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	531680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	813455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	703875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	354034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	228076	50.289	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.580%
35) Dibromofluoromethane	7.640	113	248488	48.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.760%
50) Toluene-d8	10.109	98	949946	50.165	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.320%
62) 4-Bromofluorobenzene	12.407	95	297087	48.513	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.020%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	3.793	96	481777	101.419	ug/l	95
16) Acetone	3.866	43	356834	316.528	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	910067	82.619	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	339439	63.374	ug/l	96
25) 2-Butanone	6.890	43	171952	131.925	ug/l	95
27) cis-1,2-Dichloroethene	6.896	96	354504	57.952	ug/l	92
30) Chloroform	7.420	83	589811	61.590	ug/l	100
38) Carbon Tetrachloride	7.823	117	525907	65.709	ug/l	99
40) Benzene	8.079	78	2041641	95.351	ug/l	100
42) 1,2-Dichloroethane	8.158	62	1014816	187.335	ug/l	98
44) Trichloroethene	8.865	130	732269	119.069	ug/l	98
53) t-1,3-Dichloropropene	10.395	75	1013918	162.321	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	1382853	184.780	ug/l	98
59) 2-Hexanone	10.761	43	675252	352.236	ug/l	100
61) 1,2-Dibromoethane	11.017	107	99431	27.076	ug/l	98
64) Tetrachloroethene	10.645	164	521687	71.208	ug/l	97
65) Chlorobenzene	11.444	112	350689	22.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	354860	65.491	ug/l	99
67) Ethyl Benzene	11.517	91	567291	22.874	ug/l	97
68) m/p-Xylenes	11.627	106	1922231	193.996	ug/l	99
69) o-Xylene	11.956	106	1812923	197.930	ug/l	98
70) Styrene	11.968	104	1730175	114.486	ug/l	92
71) Bromoform	12.133	173	343729	108.617	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	610157	161.343	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	410876	143.400	ug/l #	100
79) 2-Chlorotoluene	12.682	91	1468830	90.881	ug/l	100
83) tert-Butylbenzene	12.999	119	2478715	141.463	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	3851184	202.108	ug/l	100
86) p-Isopropyltoluene	13.291	119	4278014	199.958	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	650411	53.803	ug/l	100
88) 1,4-Dichlorobenzene	13.364	146	967739	81.494	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	950793	159.556	ug/l	99
95) Naphthalene	15.145	128	646088	60.753	ug/l	99

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

Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

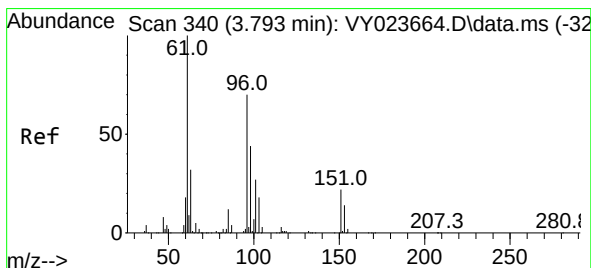
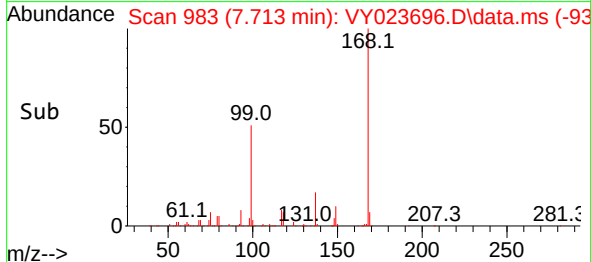
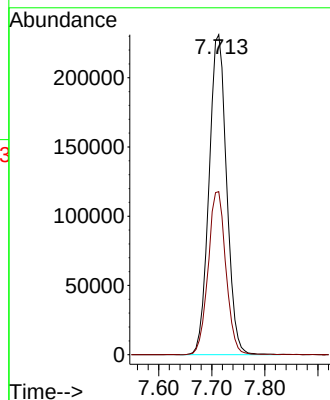
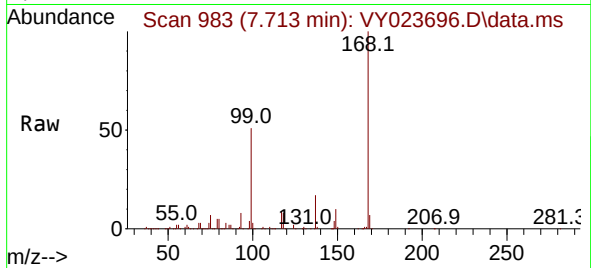
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- 17



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

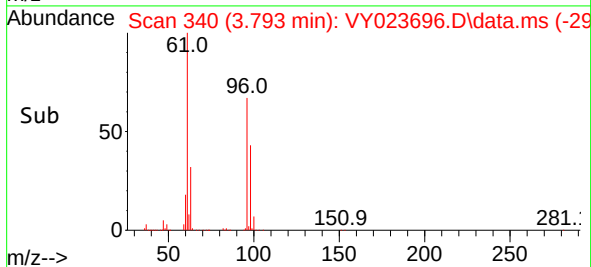
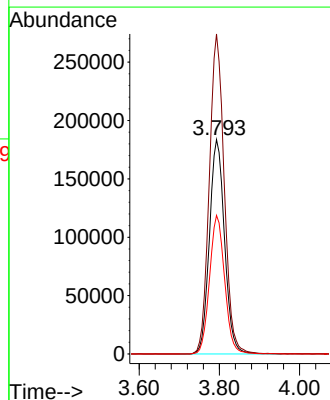
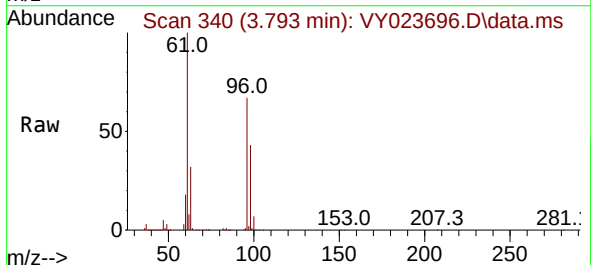
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

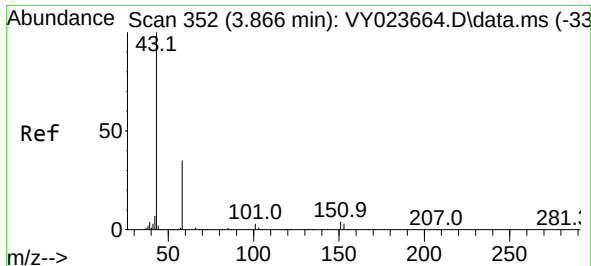
Tgt Ion:168 Resp: 531680
Ion Ratio Lower Upper
168 100
99 51.0 41.0 61.4



#12
1,1-Dichloroethene
Concen: 101.419 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 96 Resp: 481777
Ion Ratio Lower Upper
96 100
61 149.2 114.0 171.0
98 64.6 50.2 75.2

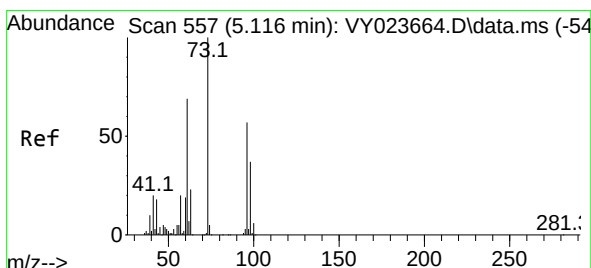
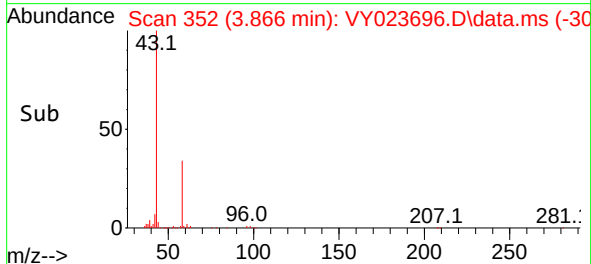
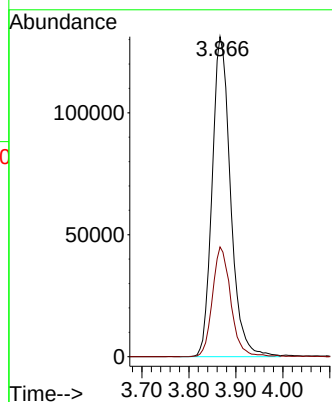
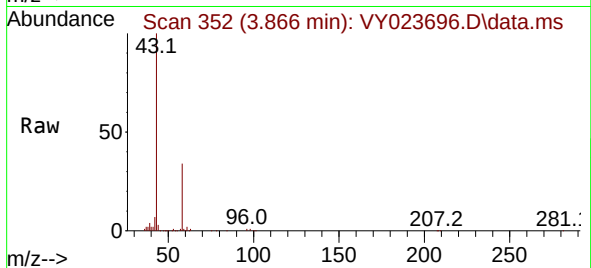




#16
Acetone
Concen: 316.528 ug/l
RT: 3.866 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

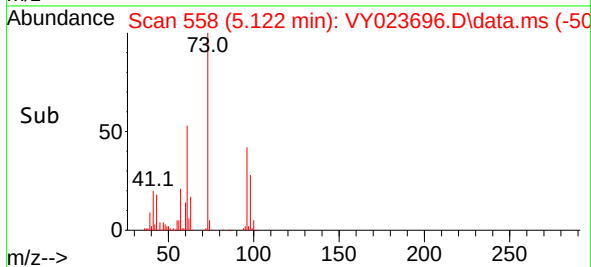
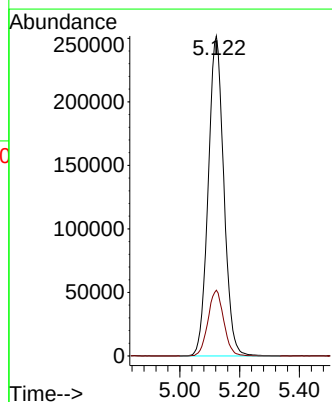
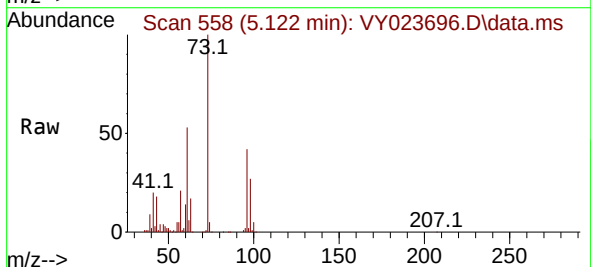
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

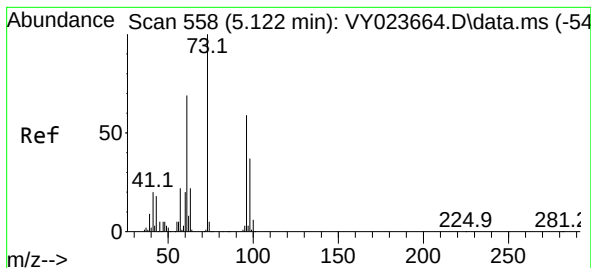
Tgt Ion: 43 Resp: 356834
Ion Ratio Lower Upper
43 100
58 34.3 28.2 42.4



#19
Methyl tert-butyl Ether
Concen: 82.619 ug/l
RT: 5.122 min Scan# 558
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 73 Resp: 910067
Ion Ratio Lower Upper
73 100
57 20.6 16.1 24.1

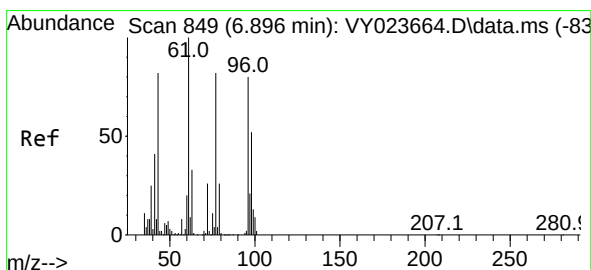
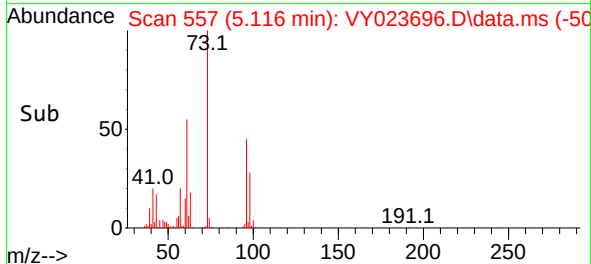
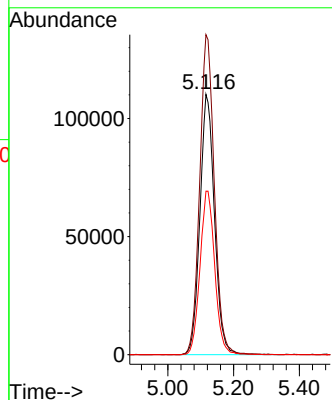
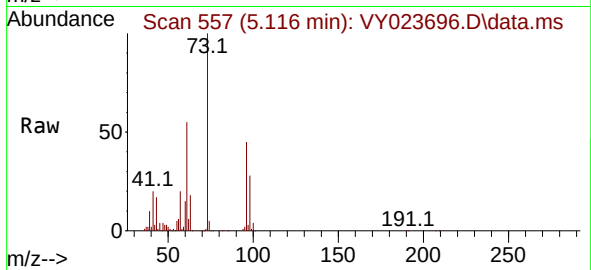




#21
trans-1,2-Dichloroethene
Concen: 63.374 ug/l
RT: 5.116 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

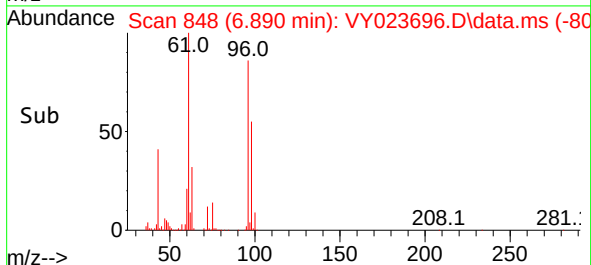
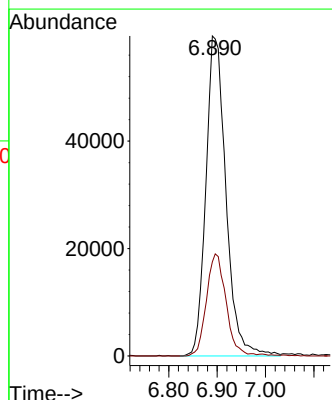
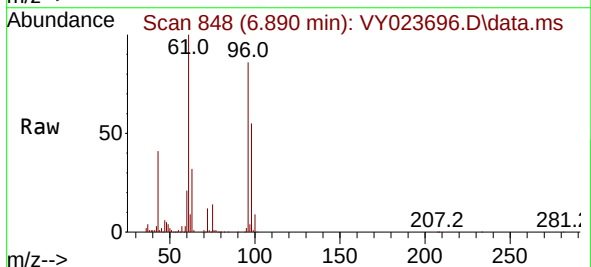
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

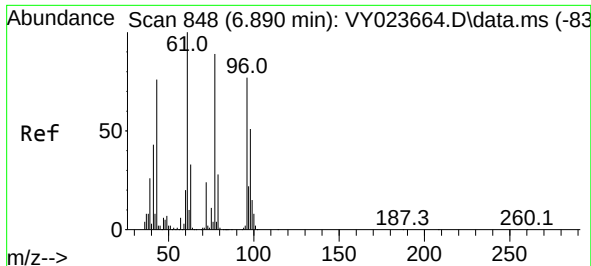
Tgt Ion: 96 Resp: 339439
Ion Ratio Lower Upper
96 100
61 122.9 93.3 139.9
98 62.8 50.6 75.8



#25
2-Butanone
Concen: 131.925 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 43 Resp: 171952
Ion Ratio Lower Upper
43 100
72 29.4 25.7 38.5

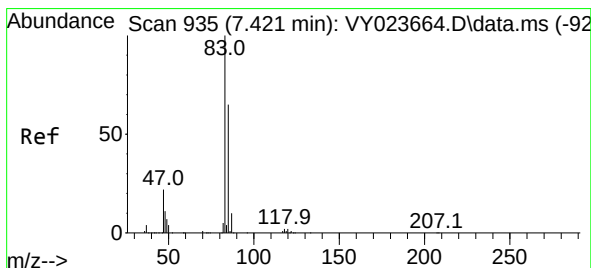
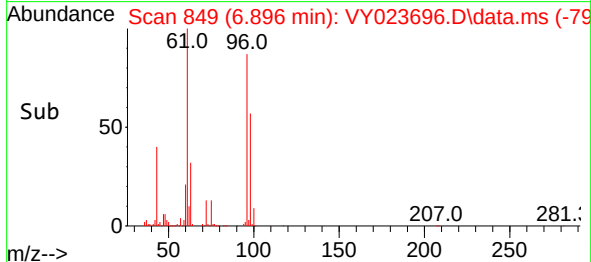
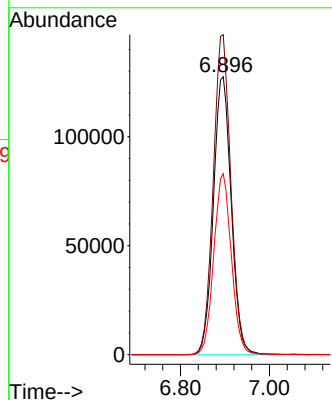
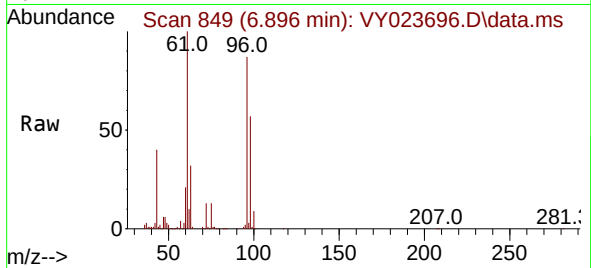




#27
 cis-1,2-Dichloroethene
 Concen: 57.952 ug/l
 RT: 6.896 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

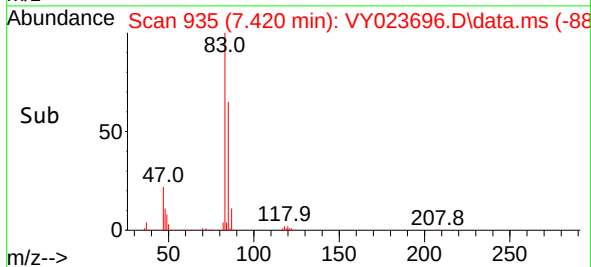
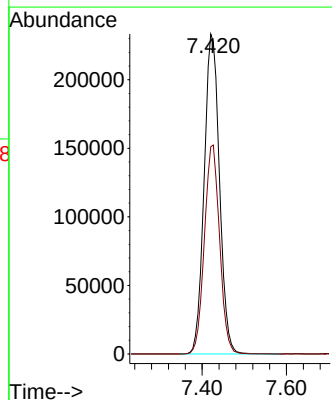
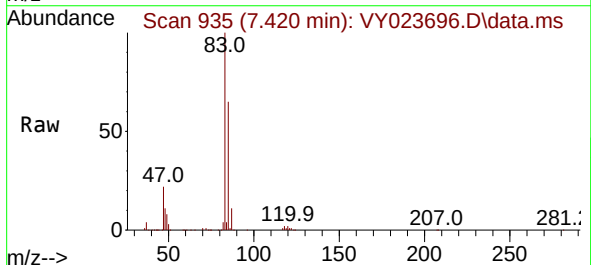
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOIL

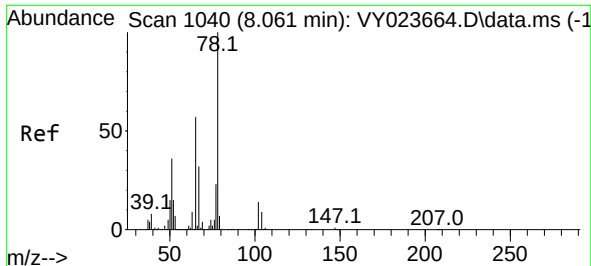
Tgt Ion: 96 Resp: 354504
 Ion Ratio Lower Upper
 96 100
 61 114.1 0.0 255.0
 98 64.3 0.0 129.8



#30
 Chloroform
 Concen: 61.590 ug/l
 RT: 7.420 min Scan# 935
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

Tgt Ion: 83 Resp: 589811
 Ion Ratio Lower Upper
 83 100
 85 64.7 52.1 78.1





#33

1,2-Dichloroethane-d4

Concen: 50.289 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

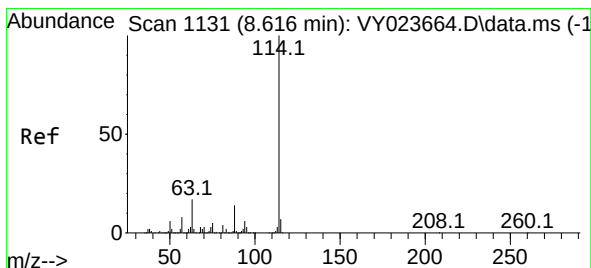
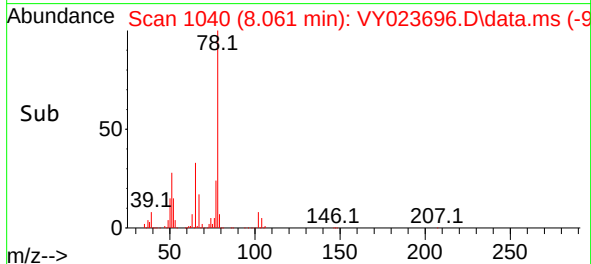
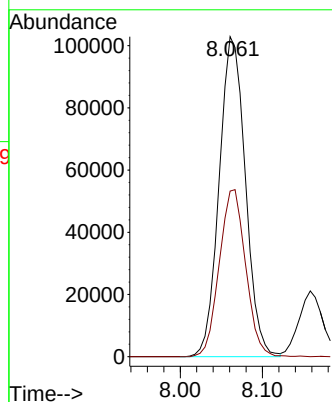
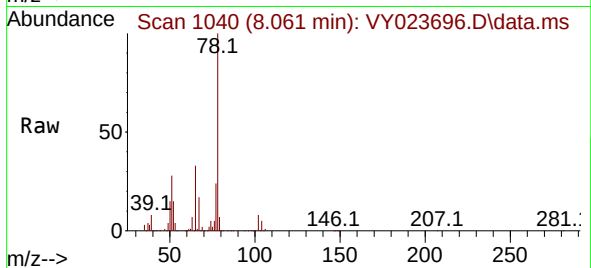
HW1025-PT-VOA-SOIL

Tgt Ion: 65 Resp: 228076

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

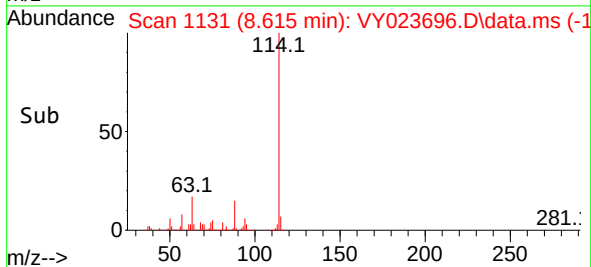
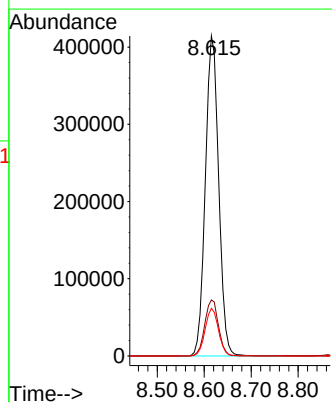
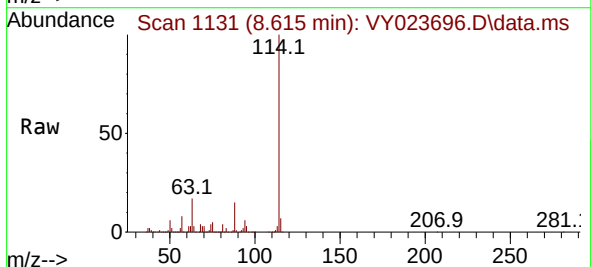
Tgt Ion: 114 Resp: 813455

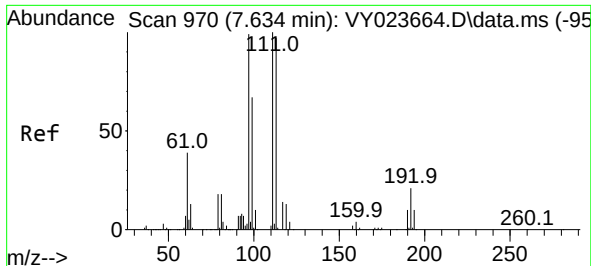
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.9 0.0 29.0

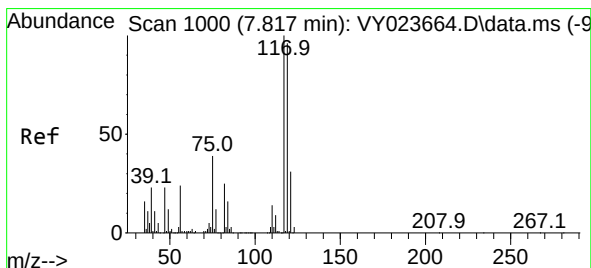
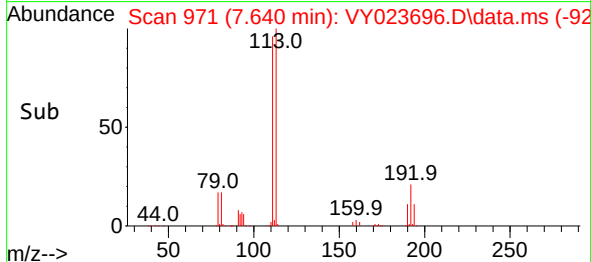
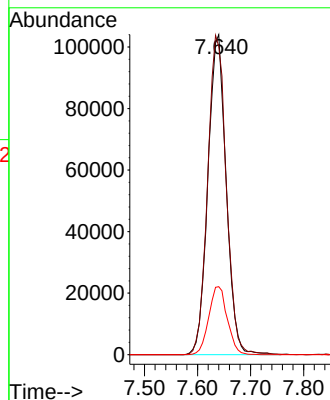
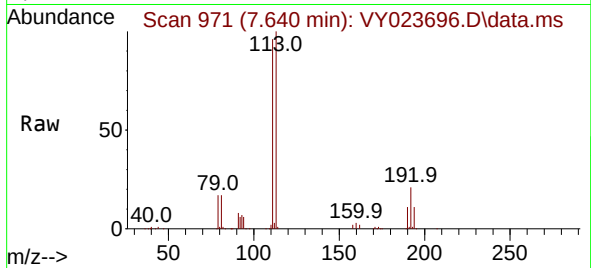




#35
Dibromofluoromethane
Concen: 48.881 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

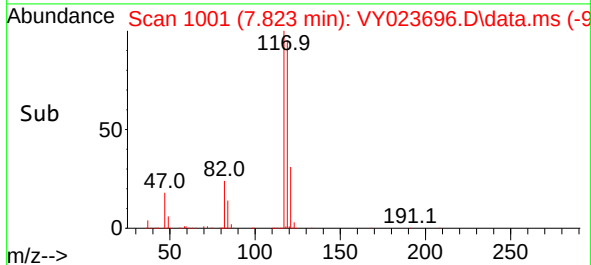
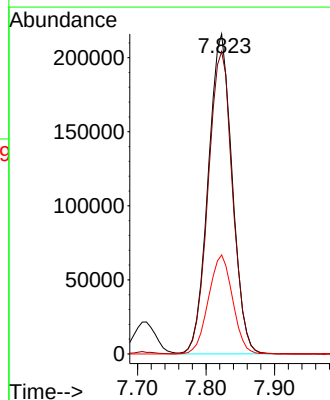
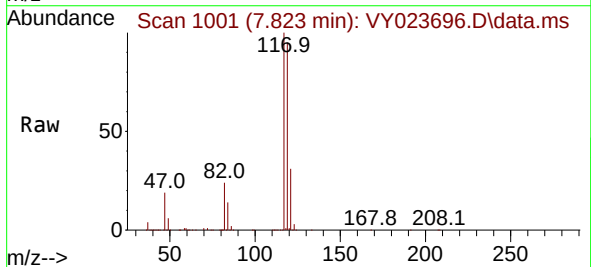
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

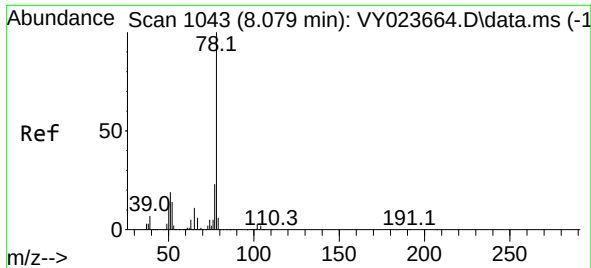
Tgt Ion:113 Resp: 248488
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 21.6 17.3 25.9



#38
Carbon Tetrachloride
Concen: 65.709 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion:117 Resp: 525907
Ion Ratio Lower Upper
117 100
119 94.5 76.3 114.5
121 31.0 24.8 37.2

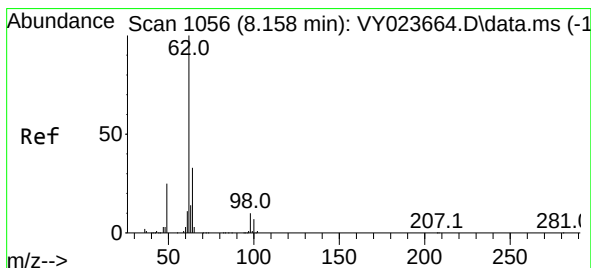
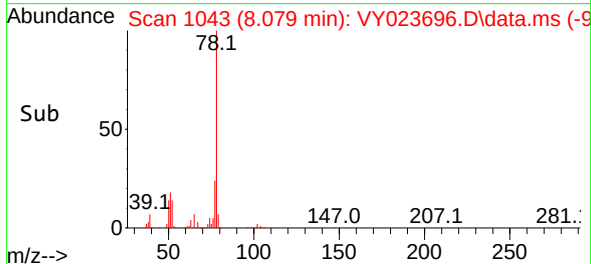
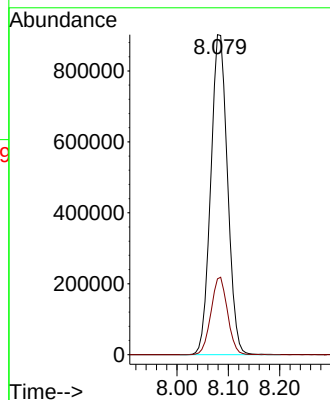
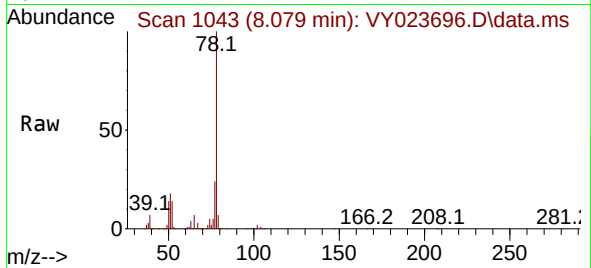




#40
Benzene
Concen: 95.351 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

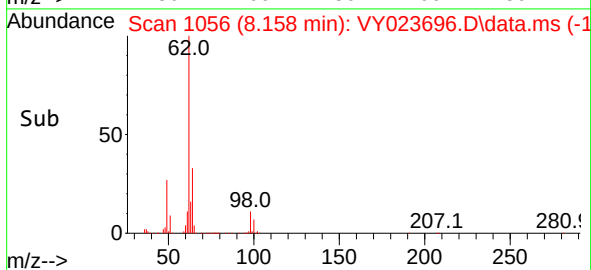
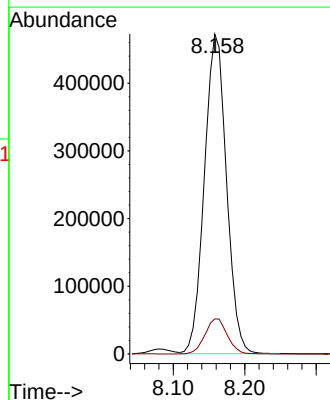
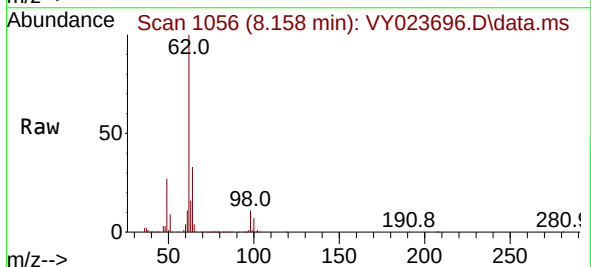
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

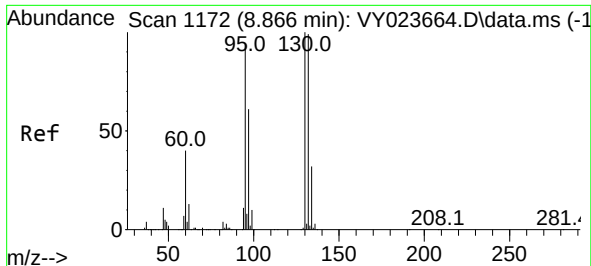
Tgt Ion: 78 Resp: 2041641
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



#42
1,2-Dichloroethane
Concen: 187.335 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 62 Resp: 1014816
Ion Ratio Lower Upper
62 100
98 11.1 0.0 21.0

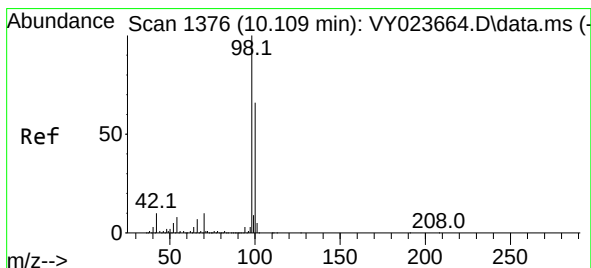
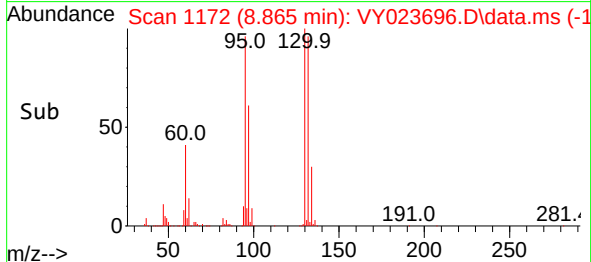
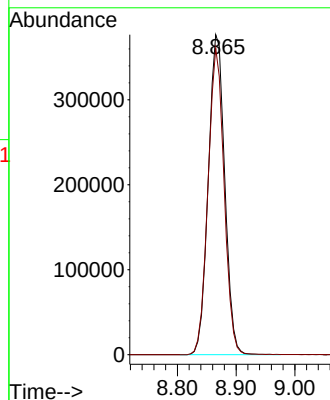
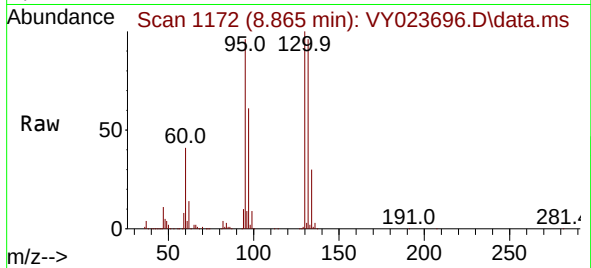




#44
 Trichloroethene
 Concen: 119.069 ug/l
 RT: 8.865 min Scan# 1172
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

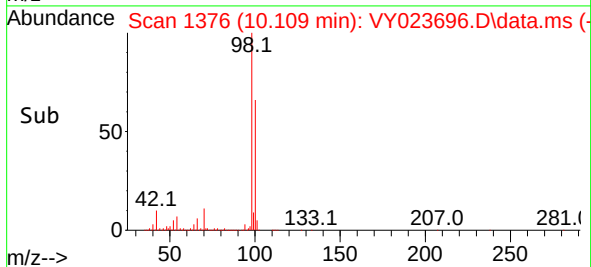
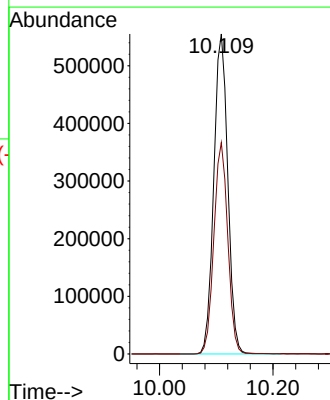
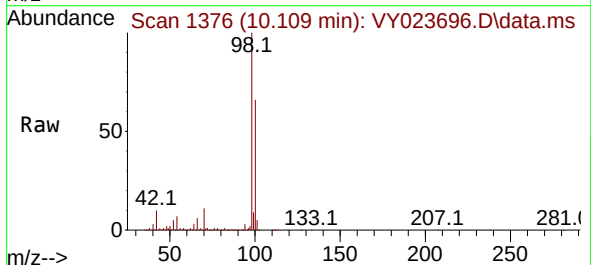
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOIL

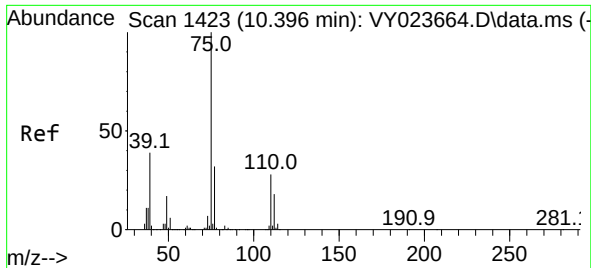
Tgt Ion:130 Resp: 732269
 Ion Ratio Lower Upper
 130 100
 95 95.7 0.0 187.0



#50
 Toluene-d8
 Concen: 50.165 ug/l
 RT: 10.109 min Scan# 1376
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

Tgt Ion: 98 Resp: 949946
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.7 79.1

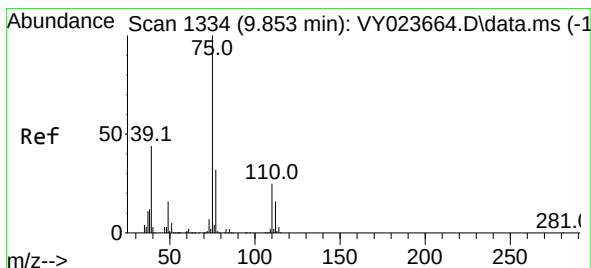
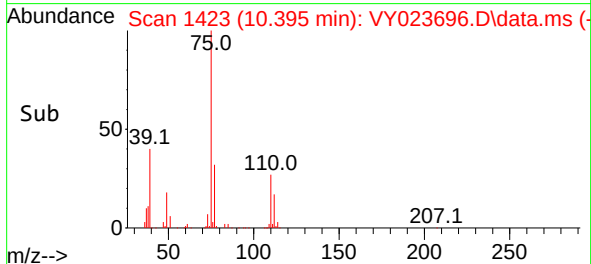
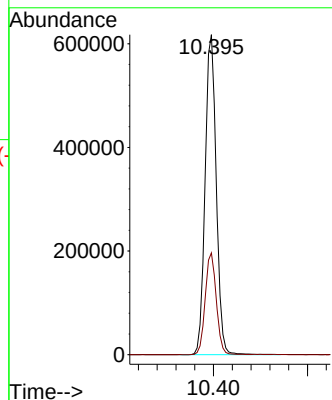
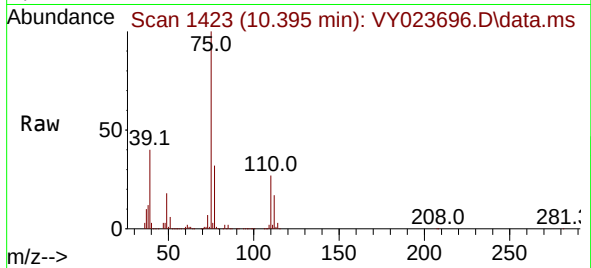




#53
 t-1,3-Dichloropropene
 Concen: 162.321 ug/l
 RT: 10.395 min Scan# 1423
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

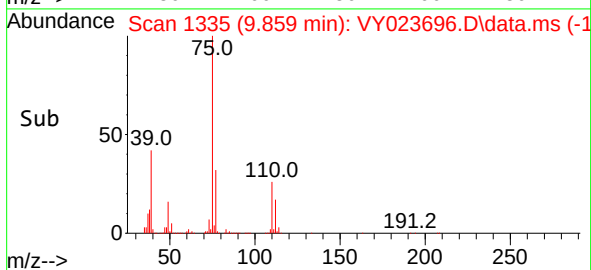
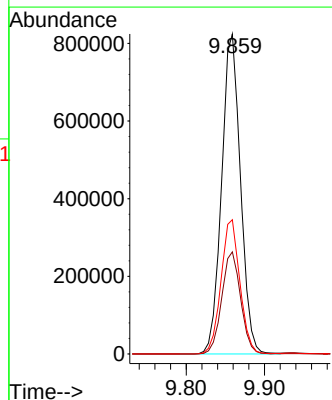
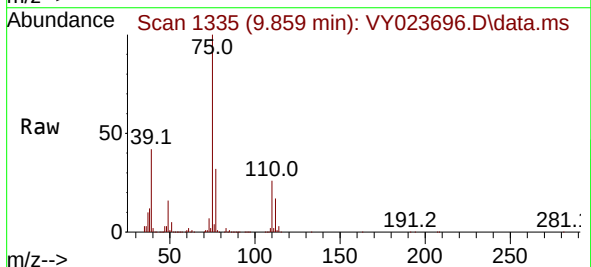
Instrument : MSVOA_Y
 ClientSampleId : HW1025-PT-VOA-SOIL

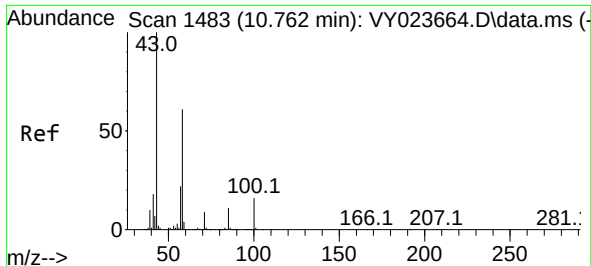
Tgt Ion: 75 Resp: 1013918
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 184.780 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.006 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

Tgt Ion: 75 Resp: 1382853
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.7 38.5
 39 41.9 34.9 52.3

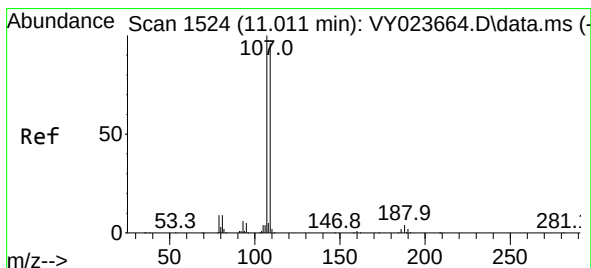
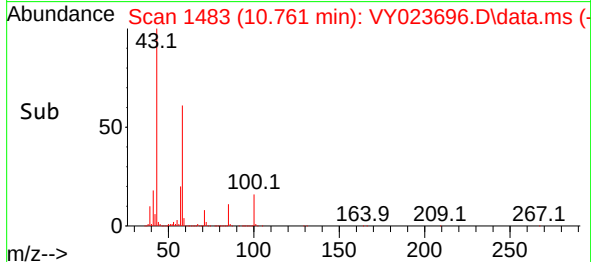
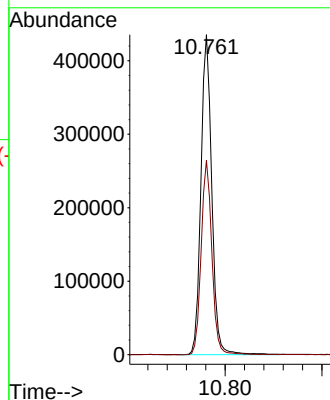
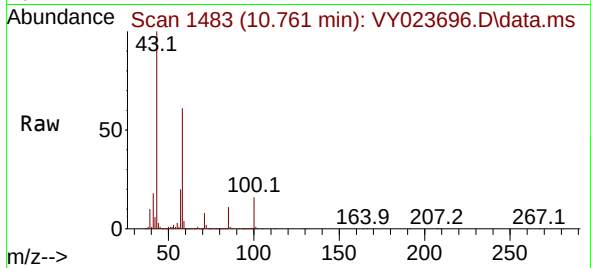




#59
2-Hexanone
Concen: 352.236 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

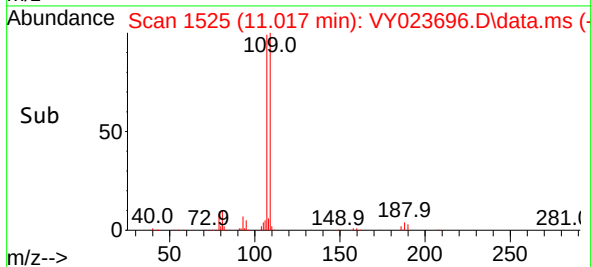
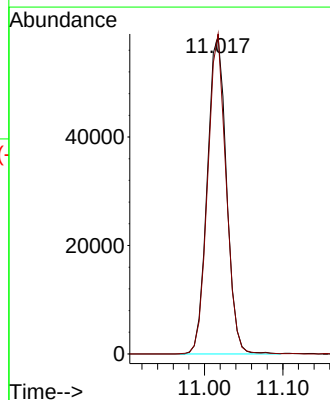
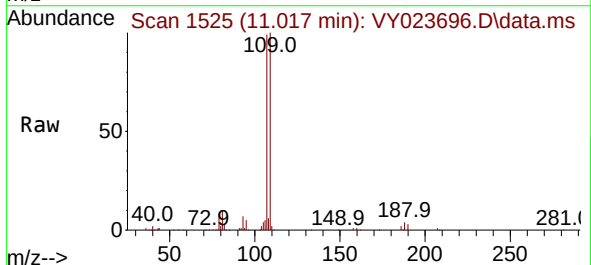
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

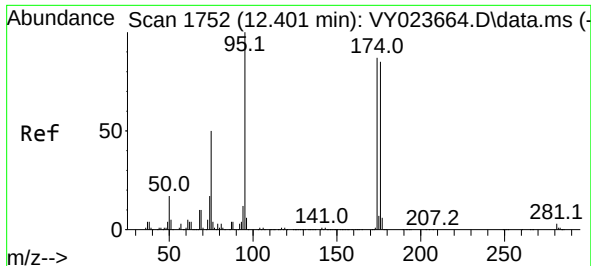
Tgt Ion: 43 Resp: 675252
Ion Ratio Lower Upper
43 100
58 60.1 30.2 90.6



#61
1,2-Dibromoethane
Concen: 27.076 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 107 Resp: 99431
Ion Ratio Lower Upper
107 100
109 96.8 76.2 114.4

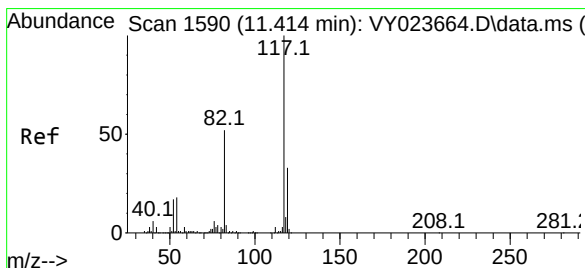
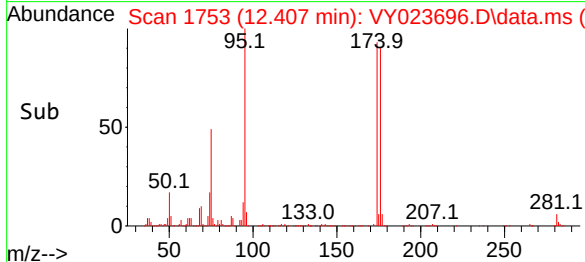
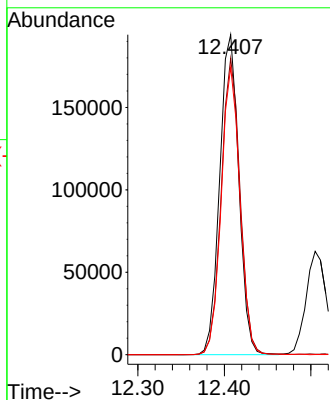
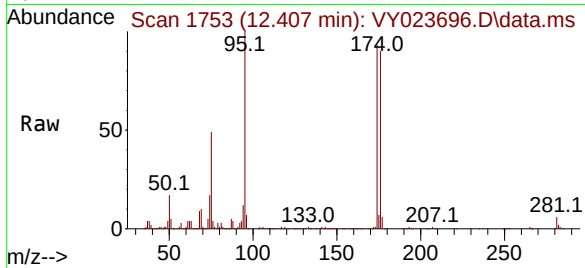




#62
4-Bromofluorobenzene
Concen: 48.513 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

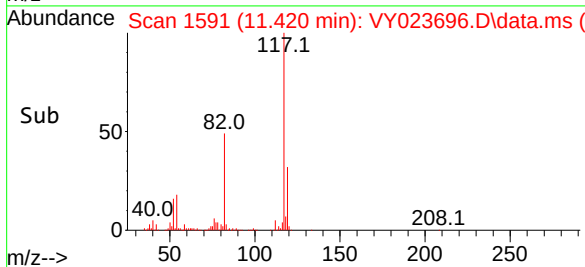
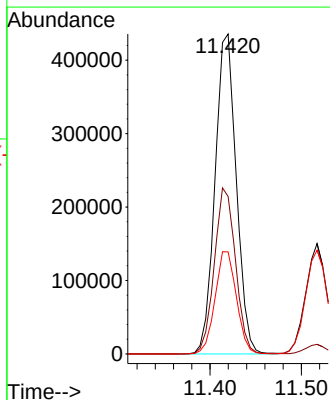
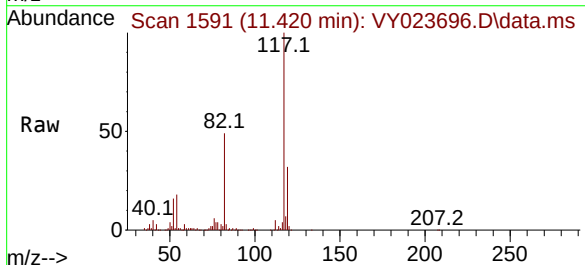
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

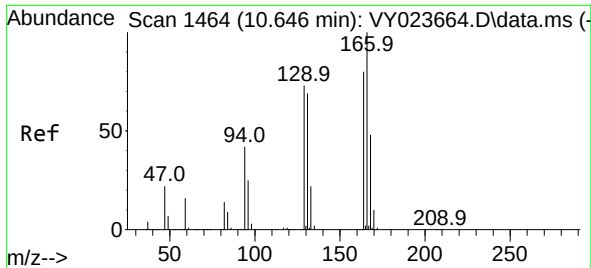
Tgt Ion: 95 Resp: 297087
Ion Ratio Lower Upper
95 100
174 91.7 0.0 184.8
176 88.1 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 117 Resp: 703875
Ion Ratio Lower Upper
117 100
82 49.2 41.2 61.8
119 31.9 26.2 39.2

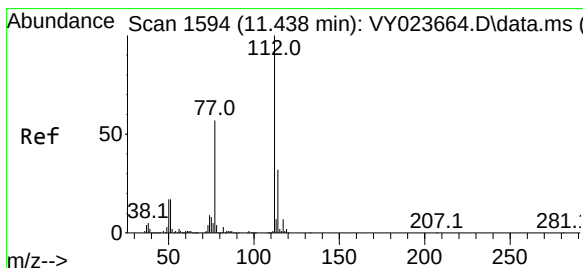
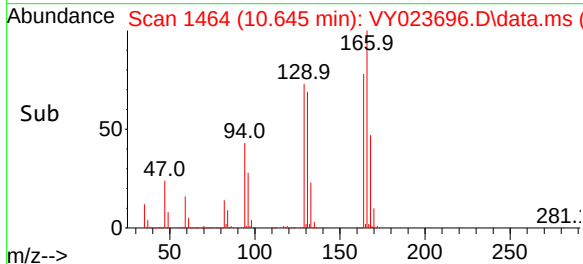
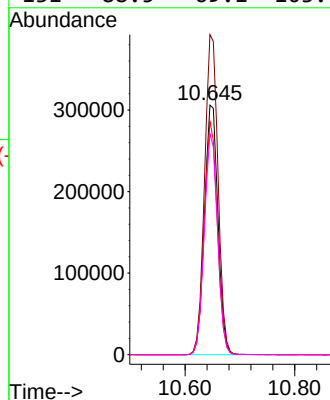
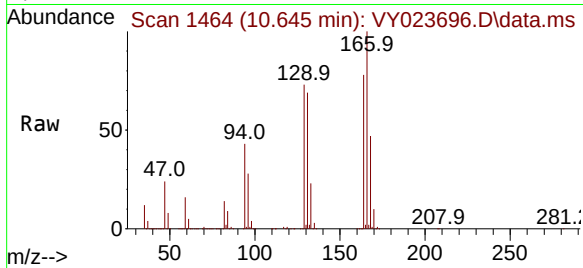




#64
Tetrachloroethene
Concen: 71.208 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

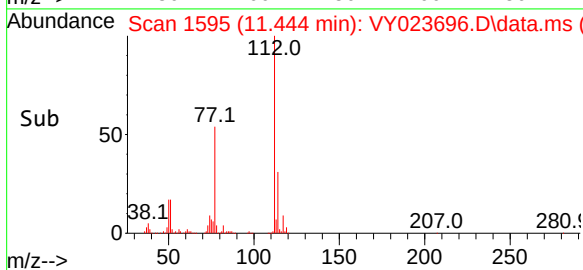
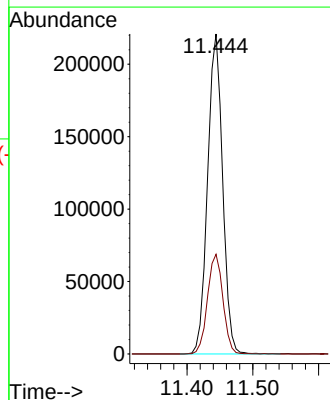
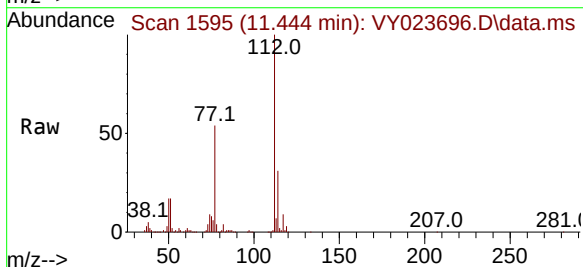
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

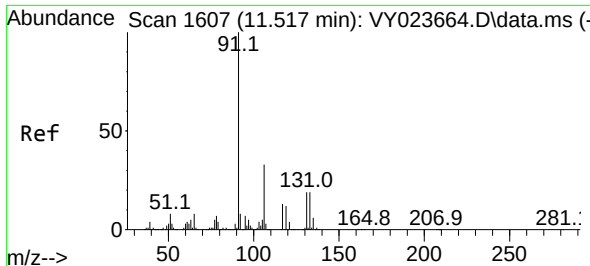
Tgt Ion:164	Resp: 521687
Ion Ratio	Lower Upper
164	100
166	128.2 99.5 149.3
129	93.4 72.3 108.5
131	88.5 69.1 103.7



#65
Chlorobenzene
Concen: 22.886 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion:112	Resp: 350689
Ion Ratio	Lower Upper
112	100
114	31.1 25.8 38.6

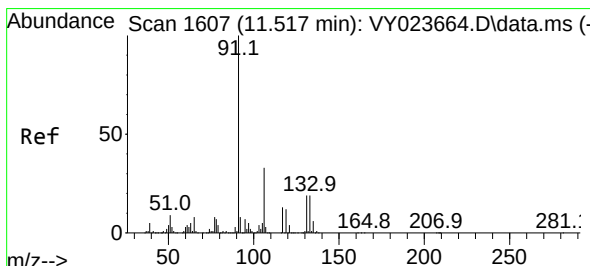
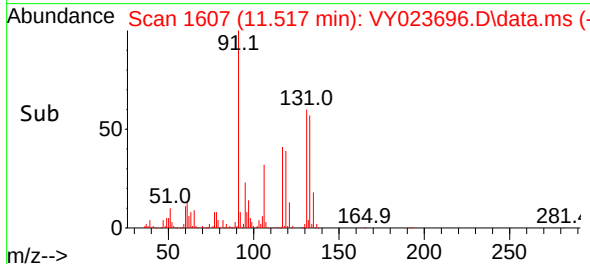
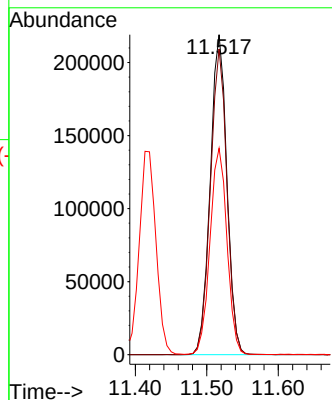
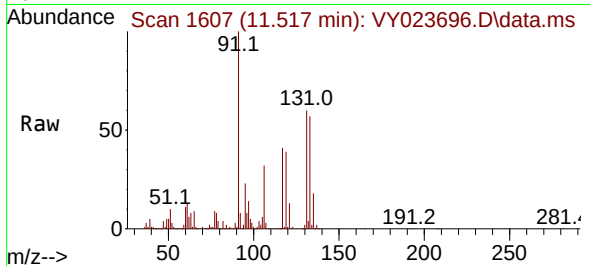




#66
1,1,1,2-Tetrachloroethane
Concen: 65.491 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

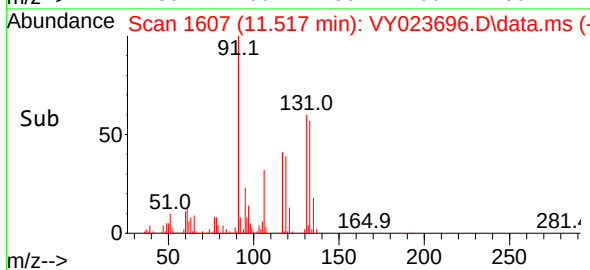
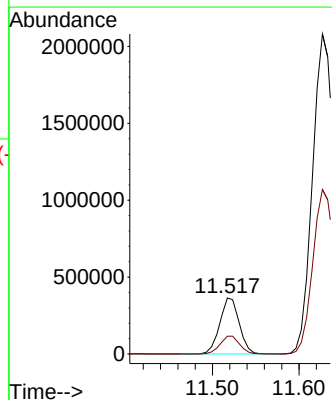
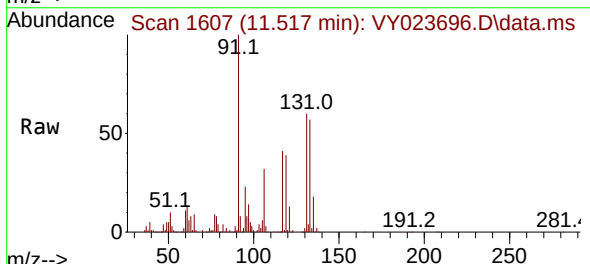
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

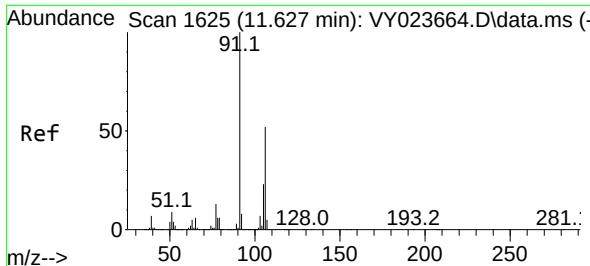
Tgt Ion:131 Resp: 354860
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.8
119 65.8 32.5 97.4



#67
Ethyl Benzene
Concen: 22.874 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 91 Resp: 567291
Ion Ratio Lower Upper
91 100
106 31.9 26.6 40.0

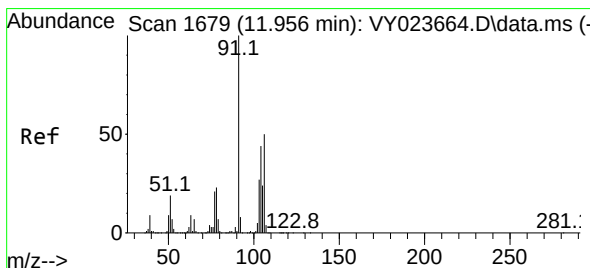
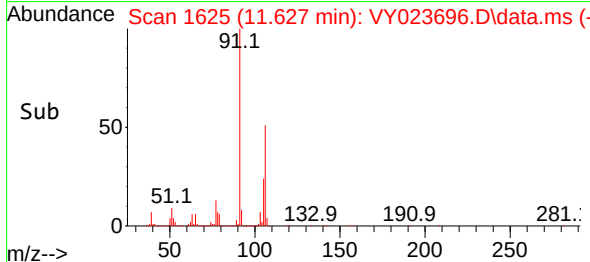
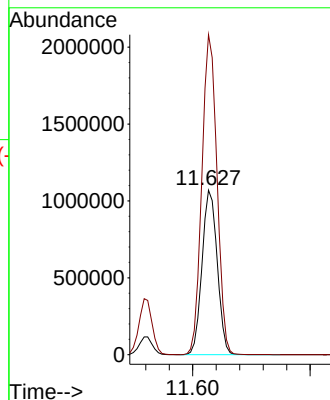
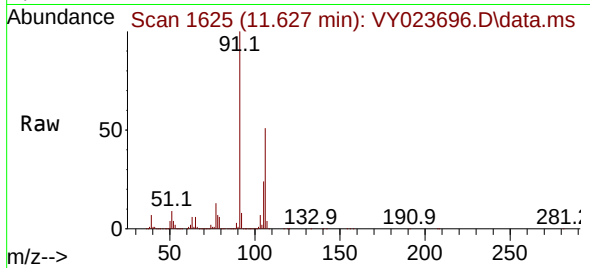




#68
m/p-Xylenes
Concen: 193.996 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

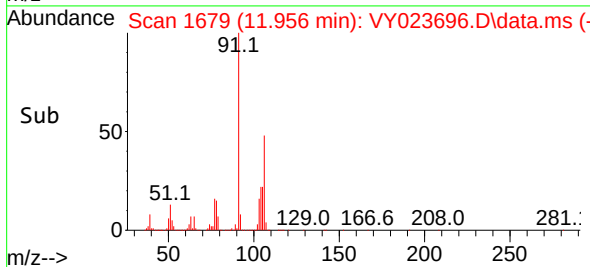
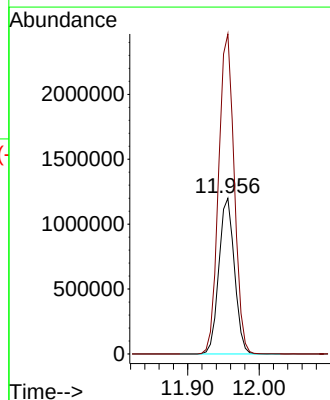
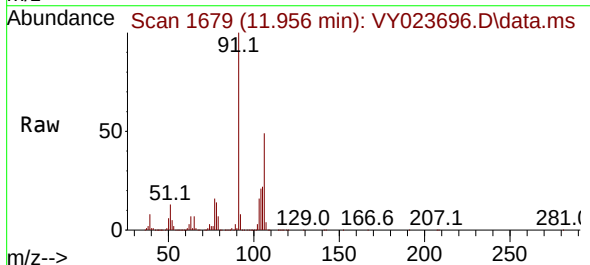
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

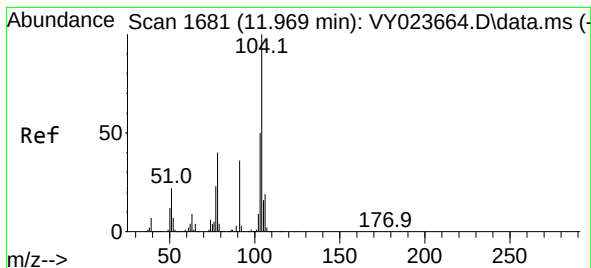
Tgt Ion:106 Resp: 1922231
Ion Ratio Lower Upper
106 100
91 194.0 154.3 231.5



#69
o-Xylene
Concen: 197.930 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion:106 Resp: 1812923
Ion Ratio Lower Upper
106 100
91 206.5 101.6 304.6





#70

Styrene

Concen: 114.486 ug/l

RT: 11.968 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOIL

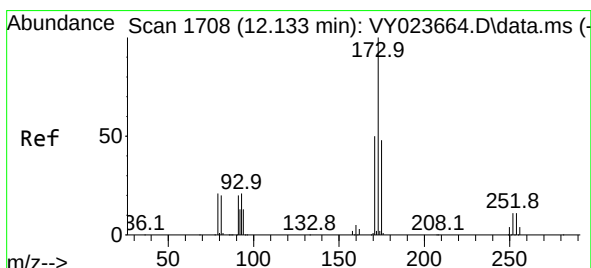
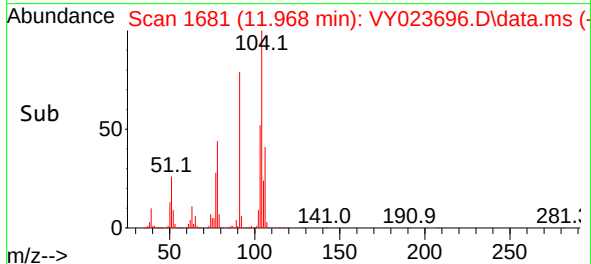
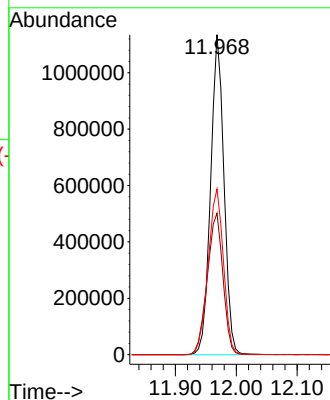
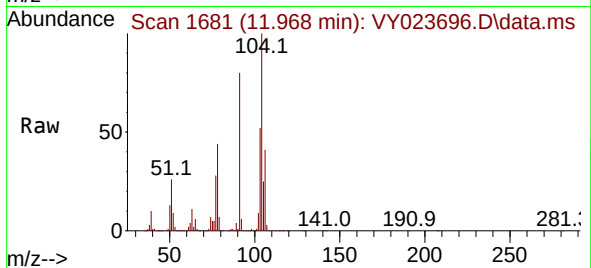
Tgt Ion:104 Resp: 1730175

Ion Ratio Lower Upper

104 100

78 51.9 36.5 54.7

103 59.4 43.7 65.5



#71

Bromoform

Concen: 108.617 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY023696.D

Acq: 06 Nov 2025 10:44

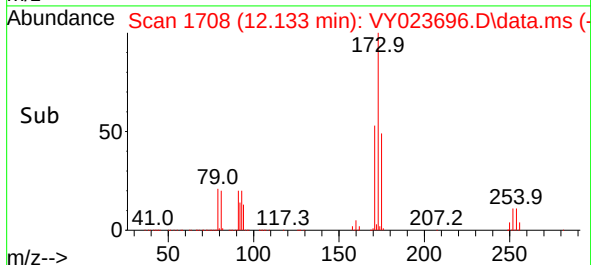
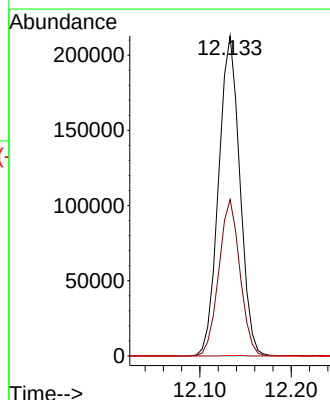
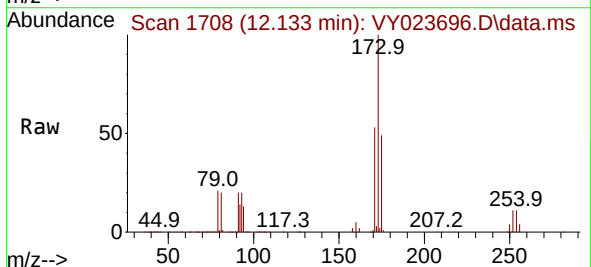
Tgt Ion:173 Resp: 343729

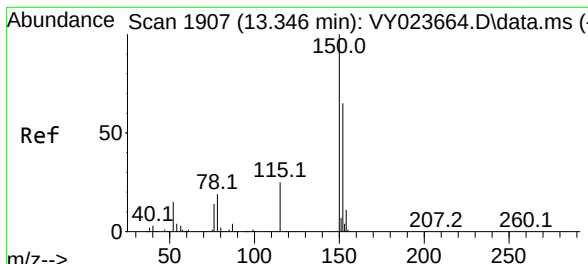
Ion Ratio Lower Upper

173 100

175 48.5 24.2 72.6

254 0.1 0.2 0.2#

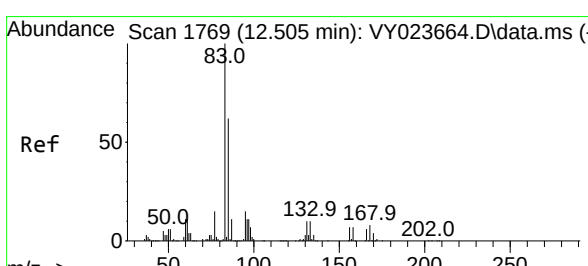
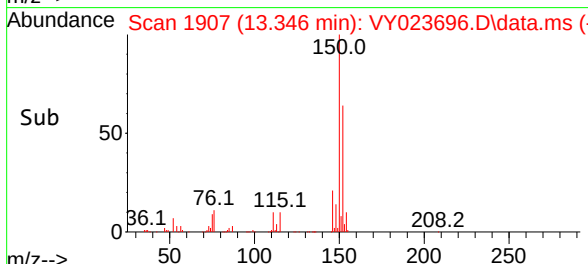
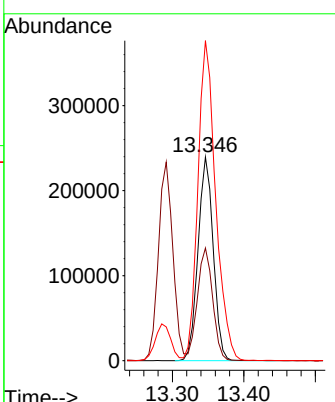
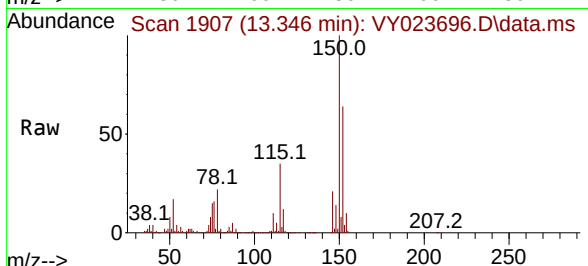




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

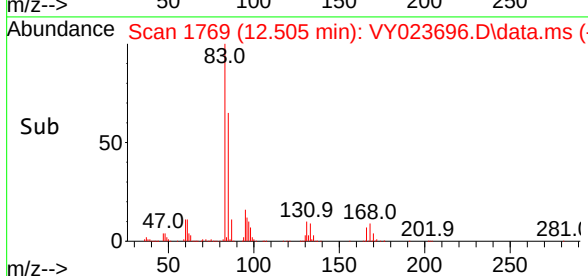
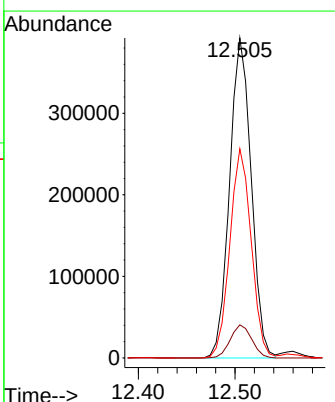
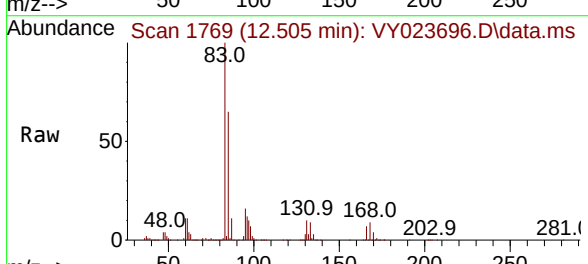
Instrument : MSVOA_Y
 ClientSampleId : HW1025-PT-VOA-SOIL

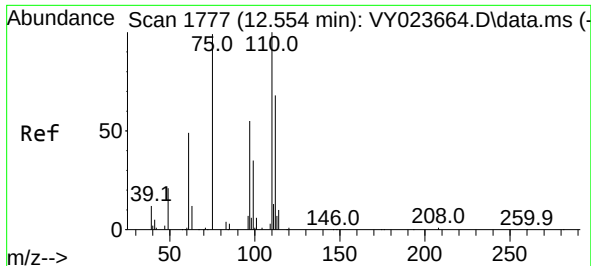
Tgt Ion:	152	Resp:	354034
Ion Ratio	Lower	Upper	
152	100		
115	55.7	27.5	82.5
150	183.0	0.0	349.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 161.343 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

Tgt Ion:	83	Resp:	610157
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.7	17.0
85	64.7	31.9	95.7

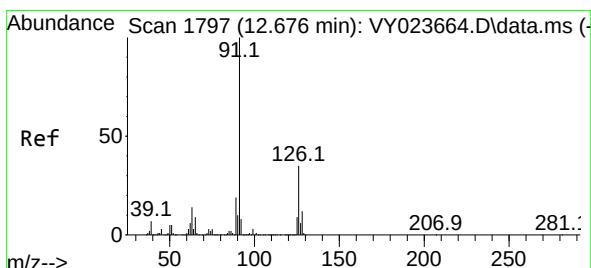
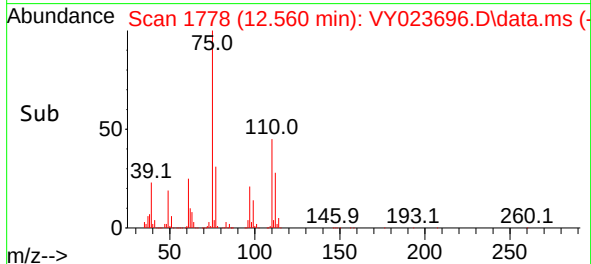
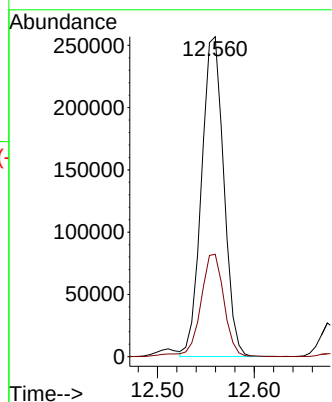
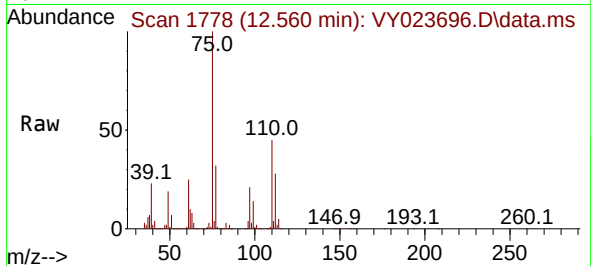




#76
1,2,3-Trichloropropane
Concen: 143.400 ug/l
RT: 12.560 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

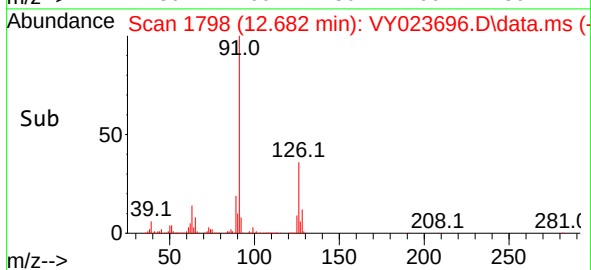
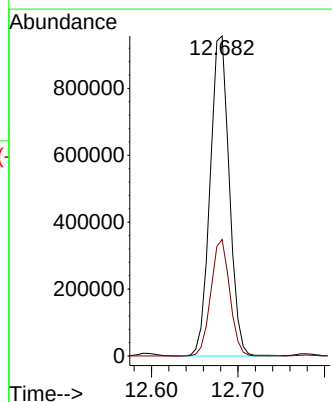
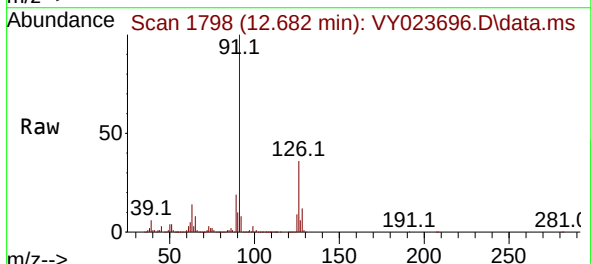
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

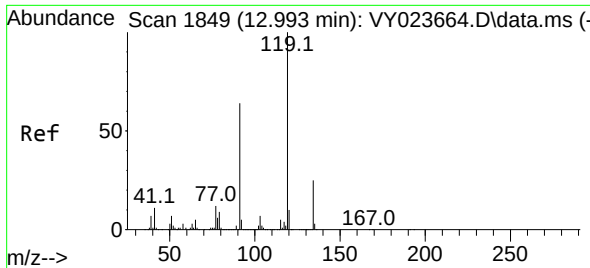
Tgt Ion: 75 Resp: 410876
Ion Ratio Lower Upper
75 100
77 33.7 0.0 0.0#



#79
2-Chlorotoluene
Concen: 90.881 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion: 91 Resp: 1468830
Ion Ratio Lower Upper
91 100
126 35.8 18.0 54.0

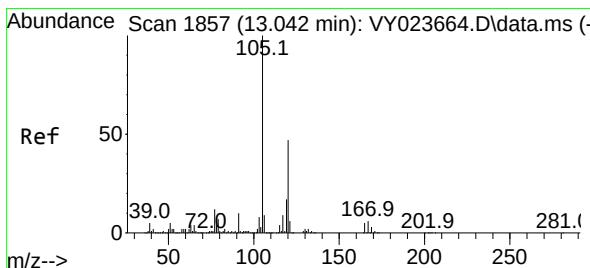
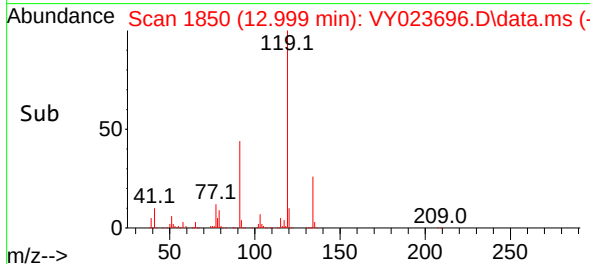
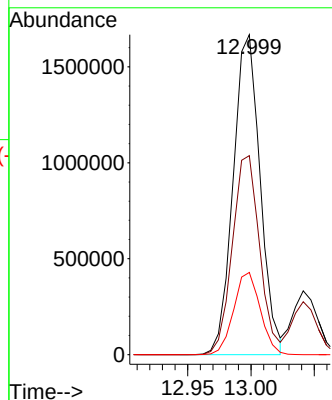
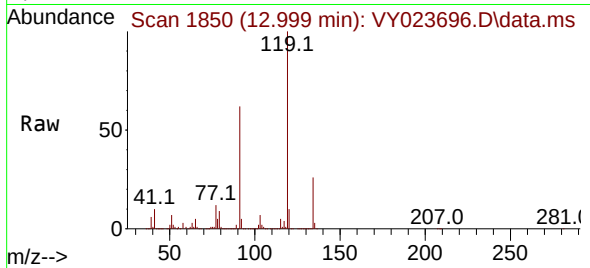




#83
 tert-Butylbenzene
 Concen: 141.463 ug/l
 RT: 12.999 min Scan# 1849
 Delta R.T. 0.006 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

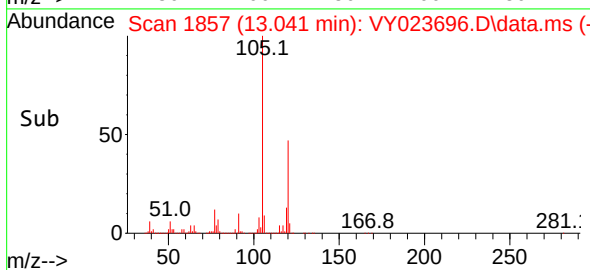
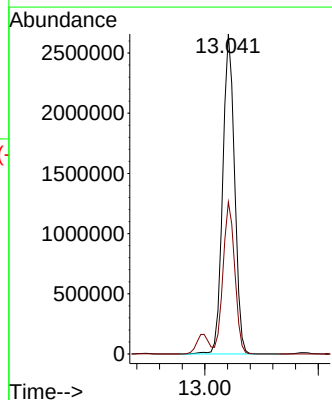
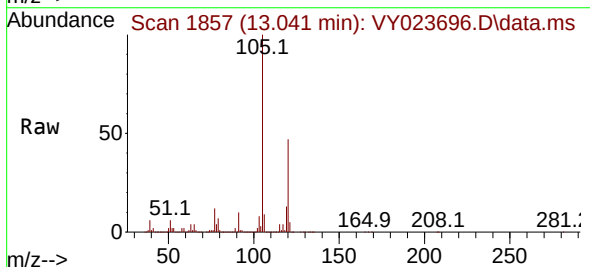
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOIL

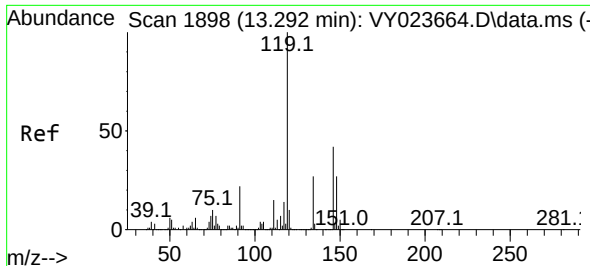
Tgt Ion:119 Resp: 2478715
 Ion Ratio Lower Upper
 119 100
 91 63.1 30.7 92.1
 134 25.3 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 202.108 ug/l
 RT: 13.041 min Scan# 1857
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

Tgt Ion:105 Resp: 3851184
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.6

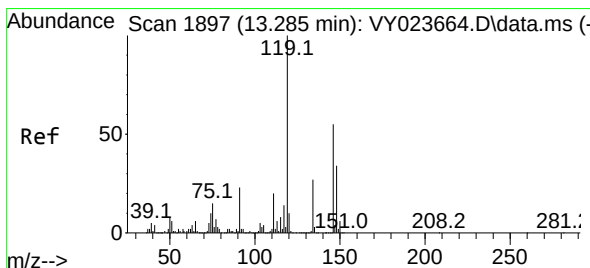
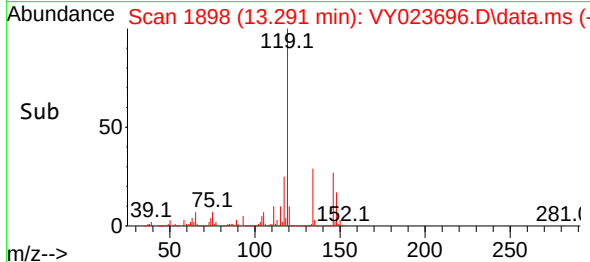
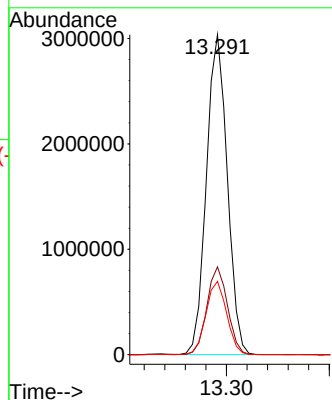
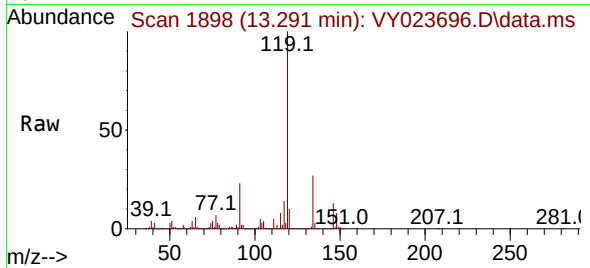




#86
p-Isopropyltoluene
Concen: 199.958 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

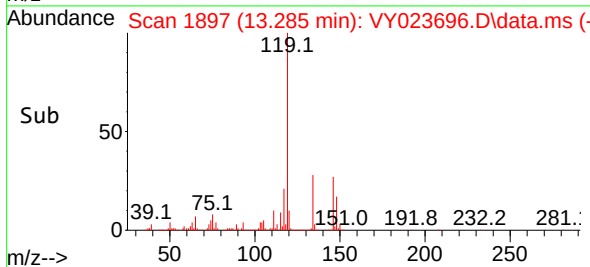
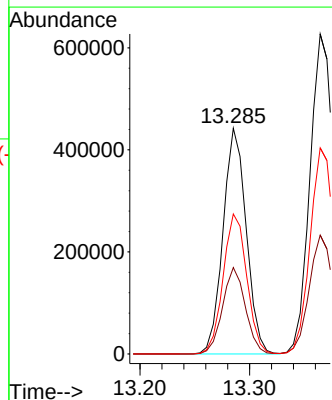
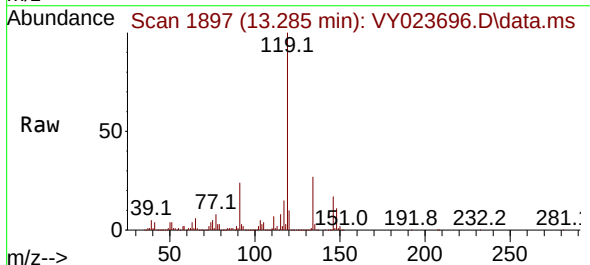
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOIL

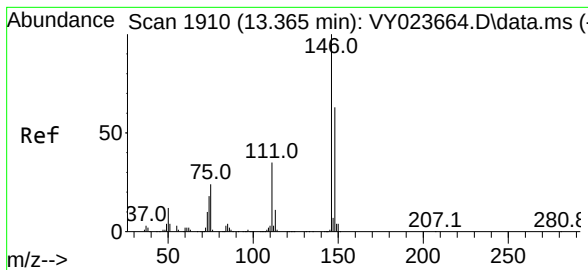
Tgt Ion:119 Resp: 4278014
Ion Ratio Lower Upper
119 100
134 27.1 13.4 40.2
91 22.7 11.1 33.1



#87
1,3-Dichlorobenzene
Concen: 53.803 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023696.D
Acq: 06 Nov 2025 10:44

Tgt Ion:146 Resp: 650411
Ion Ratio Lower Upper
146 100
111 37.7 18.8 56.3
148 63.3 31.9 95.5

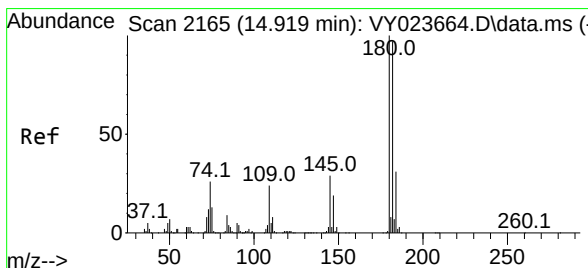
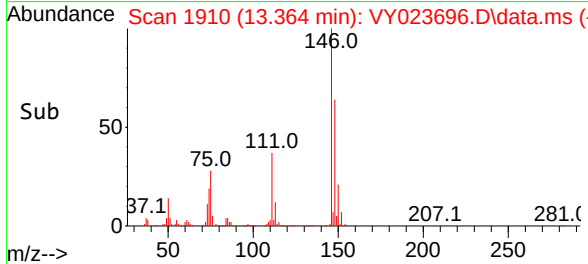
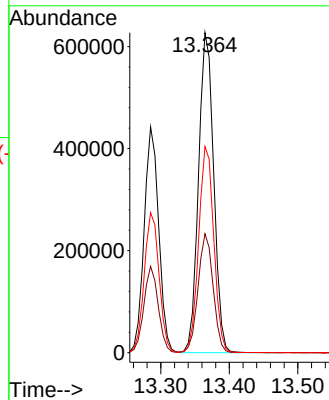
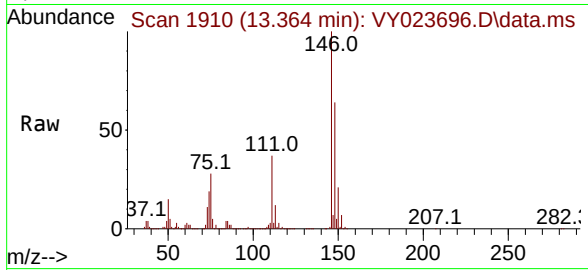




#88
 1,4-Dichlorobenzene
 Concen: 81.494 ug/l
 RT: 13.364 min Scan# 1910
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

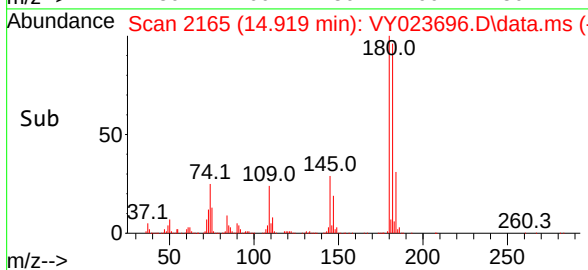
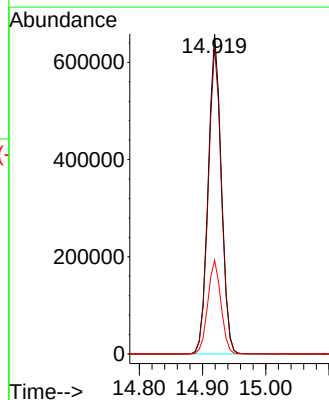
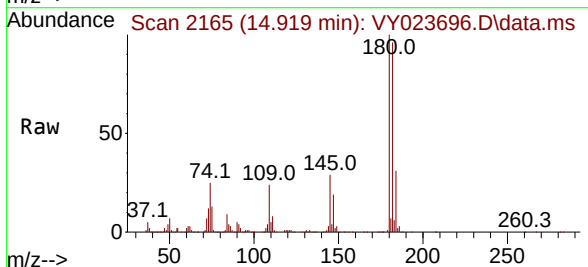
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOIL

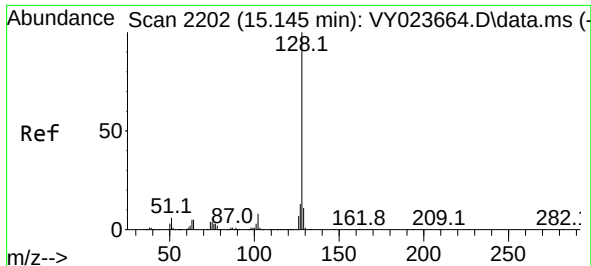
Tgt Ion:146	Resp: 967739
Ion Ratio	Lower Upper
146	100
111	36.8 18.3 54.8
148	64.1 31.8 95.3



#93
 1,2,4-Trichlorobenzene
 Concen: 159.556 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: VY023696.D
 Acq: 06 Nov 2025 10:44

Tgt Ion:180	Resp: 950793
Ion Ratio	Lower Upper
180	100
182	95.7 47.5 142.6
145	29.3 14.4 43.4





#95

Naphthalene

Concen: 60.753 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY023696.D

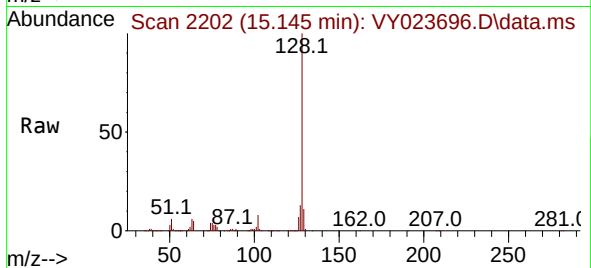
Acq: 06 Nov 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOIL



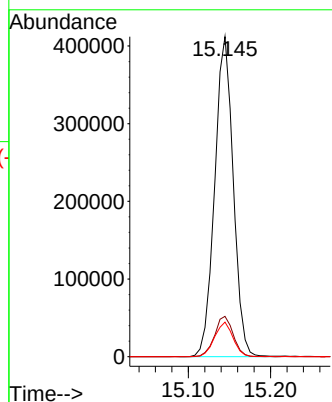
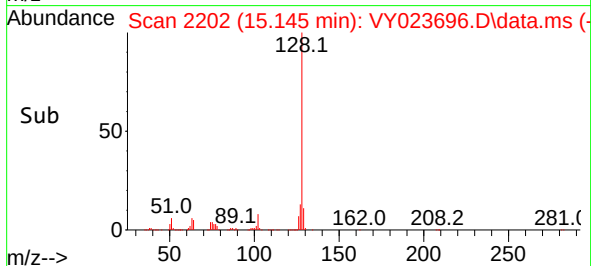
Tgt Ion:128 Resp: 646088

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

129 10.8 8.8 13.2





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

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: NJ Soil PT
Client Sample ID: HW1025-PT-VOA-SOILDI
Lab Sample ID: Q3483-23DL
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/27/25
Date Received: 10/29/25
SDG No.: Q3483
Matrix: SOIL
% Solid: 100
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	4.60	UD	4	4.60	20.0	ug/Kg	11/06/25 11:40	VY110625
74-87-3	Chloromethane	4.60	UD	4	4.60	20.0	ug/Kg	11/06/25 11:40	VY110625
75-01-4	Vinyl Chloride	3.20	UD	4	3.20	20.0	ug/Kg	11/06/25 11:40	VY110625
141-78-6	Ethyl Acetate	5.20	UD	4	5.20	20.0	ug/Kg	11/06/25 11:40	VY110625
108-21-4	Isopropyl Acetate	3.60	UD	4	3.60	20.0	ug/Kg	11/06/25 11:40	VY110625
74-83-9	Bromomethane	4.30	UD	4	4.30	20.0	ug/Kg	11/06/25 11:40	VY110625
75-00-3	Chloroethane	5.00	UD	4	5.00	20.0	ug/Kg	11/06/25 11:40	VY110625
109-99-9	Tetrahydrofuran	18.7	UDQ4		18.7	100	ug/Kg	11/06/25 11:40	VY110625
75-69-4	Trichlorofluoromethane	4.80	UD	4	4.80	20.0	ug/Kg	11/06/25 11:40	VY110625
76-13-1	1,1,2-Trichlorotrifluoroethane	4.20	UD	4	4.20	20.0	ug/Kg	11/06/25 11:40	VY110625
75-65-0	Tert butyl alcohol	54.8	UD	4	54.8	100	ug/Kg	11/06/25 11:40	VY110625
60-29-7	Diethyl Ether	3.10	UD	4	3.10	20.0	ug/Kg	11/06/25 11:40	VY110625
75-35-4	1,1-Dichloroethene	96.9	D	4	4.00	20.0	ug/Kg	11/06/25 11:40	VY110625
107-02-8	Acrolein	35.2	UD	4	35.2	100	ug/Kg	11/06/25 11:40	VY110625
107-13-1	Acrylonitrile	19.9	UD	4	19.9	100	ug/Kg	11/06/25 11:40	VY110625
67-64-1	Acetone	330	D	4	19.0	100	ug/Kg	11/06/25 11:40	VY110625
75-15-0	Carbon Disulfide	4.20	UD	4	4.20	20.0	ug/Kg	11/06/25 11:40	VY110625
1634-04-4	Methyl tert-butyl Ether	78.1	D	4	2.90	20.0	ug/Kg	11/06/25 11:40	VY110625
79-20-9	Methyl Acetate	6.20	UD	4	6.20	20.0	ug/Kg	11/06/25 11:40	VY110625
75-09-2	Methylene Chloride	14.1	UD	4	14.1	40.0	ug/Kg	11/06/25 11:40	VY110625
156-60-5	trans-1,2-Dichloroethene	62.1	D	4	3.40	20.0	ug/Kg	11/06/25 11:40	VY110625
108-05-4	Vinyl Acetate	19.4	UD	4	19.4	100	ug/Kg	11/06/25 11:40	VY110625
75-34-3	1,1-Dichloroethane	3.20	UD	4	3.20	20.0	ug/Kg	11/06/25 11:40	VY110625
110-82-7	Cyclohexane	3.20	UD	4	3.20	20.0	ug/Kg	11/06/25 11:40	VY110625
78-93-3	2-Butanone	130	D	4	26.2	100	ug/Kg	11/06/25 11:40	VY110625
56-23-5	Carbon Tetrachloride	62.9	D	4	3.90	20.0	ug/Kg	11/06/25 11:40	VY110625
594-20-7	2,2-Dichloropropane	5.10	UD	4	5.10	20.0	ug/Kg	11/06/25 11:40	VY110625
156-59-2	cis-1,2-Dichloroethene	56.2	D	4	3.00	20.0	ug/Kg	11/06/25 11:40	VY110625
74-97-5	Bromochloromethane	4.60	UD	4	4.60	20.0	ug/Kg	11/06/25 11:40	VY110625
67-66-3	Chloroform	63.8	D	4	3.40	20.0	ug/Kg	11/06/25 11:40	VY110625
71-55-6	1,1,1-Trichloroethane	3.70	UD	4	3.70	20.0	ug/Kg	11/06/25 11:40	VY110625
108-87-2	Methylcyclohexane	3.60	UD	4	3.60	20.0	ug/Kg	11/06/25 11:40	VY110625
563-58-6	1,1-Dichloropropene	3.50	UD	4	3.50	20.0	ug/Kg	11/06/25 11:40	VY110625
71-43-2	Benzene	92.2	D	4	3.20	20.0	ug/Kg	11/06/25 11:40	VY110625
107-06-2	1,2-Dichloroethane	190	D	4	3.20	20.0	ug/Kg	11/06/25 11:40	VY110625
79-01-6	Trichloroethene	120	D	4	3.20	20.0	ug/Kg	11/06/25 11:40	VY110625
78-87-5	1,2-Dichloropropane	3.60	UD	4	3.60	20.0	ug/Kg	11/06/25 11:40	VY110625
74-95-3	Dibromomethane	3.60	UD	4	3.60	20.0	ug/Kg	11/06/25 11:40	VY110625
75-27-4	Bromodichloromethane	3.10	UD	4	3.10	20.0	ug/Kg	11/06/25 11:40	VY110625
108-10-1	4-Methyl-2-Pentanone	14.3	UD	4	14.3	100	ug/Kg	11/06/25 11:40	VY110625
80-62-6	Methyl methacrylate	3.00	UD	4	3.00	20.0	ug/Kg	11/06/25 11:40	VY110625
108-88-3	Toluene	3.10	UD	4	3.10	20.0	ug/Kg	11/06/25 11:40	VY110625
10061-02-6	t-1,3-Dichloropropene	150	D	4	2.60	20.0	ug/Kg	11/06/25 11:40	VY110625

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: HW1025-PT-VOA-SOILDI

Lab Sample ID: Q3483-23DL

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 g

Final Vol: 5000 uL

Date Collected: 10/27/25

Date Received: 10/29/25

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
10061-01-5	cis-1,3-Dichloropropene	170	D	4	2.50	20.0	ug/Kg	11/06/25 11:40	VY110625
79-00-5	1,1,2-Trichloroethane	3.70	UD	4	3.70	20.0	ug/Kg	11/06/25 11:40	VY110625
142-28-9	1,3-Dichloropropane	2.70	UD	4	2.70	20.0	ug/Kg	11/06/25 11:40	VY110625
110-75-8	2-Chloroethyl Vinyl ether	15.0	UD	4	15.0	100	ug/Kg	11/06/25 11:40	VY110625
591-78-6	2-Hexanone	310	D	4	14.8	100	ug/Kg	11/06/25 11:40	VY110625
124-48-1	Dibromochloromethane	3.50	UD	4	3.50	20.0	ug/Kg	11/06/25 11:40	VY110625
106-93-4	1,2-Dibromoethane	27.0	D	4	3.50	20.0	ug/Kg	11/06/25 11:40	VY110625
127-18-4	Tetrachloroethene	68.1	D	4	4.20	20.0	ug/Kg	11/06/25 11:40	VY110625
108-90-7	Chlorobenzene	22.3	D	4	3.60	20.0	ug/Kg	11/06/25 11:40	VY110625
630-20-6	1,1,1,2-Tetrachloroethane	64.1	D	4	3.10	20.0	ug/Kg	11/06/25 11:40	VY110625
67-72-1	Hexachloroethane	4.20	UD	4	4.20	20.0	ug/Kg	11/06/25 11:40	VY110625
100-41-4	Ethyl Benzene	20.6	D	4	2.70	20.0	ug/Kg	11/06/25 11:40	VY110625
179601-23-1	m/p-Xylenes	180	D	4	5.00	40.0	ug/Kg	11/06/25 11:40	VY110625
1330-20-7	Total Xylenes	360	D	4	8.30	60.0	ug/Kg	11/06/25 11:40	VY110625
95-47-6	o-Xylene	180	D	4	3.30	20.0	ug/Kg	11/06/25 11:40	VY110625
100-42-5	Styrene	110	D	4	2.80	20.0	ug/Kg	11/06/25 11:40	VY110625
75-25-2	Bromoform	110	D	4	3.40	20.0	ug/Kg	11/06/25 11:40	VY110625
98-82-8	Isopropylbenzene	3.10	UD	4	3.10	20.0	ug/Kg	11/06/25 11:40	VY110625
79-34-5	1,1,2,2-Tetrachloroethane	160	D	4	4.80	20.0	ug/Kg	11/06/25 11:40	VY110625
96-18-4	1,2,3-Trichloropropane	140	D	4	5.00	20.0	ug/Kg	11/06/25 11:40	VY110625
108-86-1	Bromobenzene	4.80	UD	4	4.80	20.0	ug/Kg	11/06/25 11:40	VY110625
103-65-1	n-propylbenzene	2.90	UD	4	2.90	20.0	ug/Kg	11/06/25 11:40	VY110625
95-49-8	2-Chlorotoluene	79.3	D	4	2.70	20.0	ug/Kg	11/06/25 11:40	VY110625
108-67-8	1,3,5-Trimethylbenzene	3.30	UD	4	3.30	20.0	ug/Kg	11/06/25 11:40	VY110625
106-43-4	4-Chlorotoluene	4.90	UD	4	4.90	20.0	ug/Kg	11/06/25 11:40	VY110625
98-06-6	tert-Butylbenzene	120	D	4	2.70	20.0	ug/Kg	11/06/25 11:40	VY110625
95-63-6	1,2,4-Trimethylbenzene	190	D	4	2.60	20.0	ug/Kg	11/06/25 11:40	VY110625
135-98-8	sec-Butylbenzene	2.60	UD	4	2.60	20.0	ug/Kg	11/06/25 11:40	VY110625
99-87-6	p-Isopropyltoluene	170	D	4	2.50	20.0	ug/Kg	11/06/25 11:40	VY110625
541-73-1	1,3-Dichlorobenzene	49.5	D	4	6.80	20.0	ug/Kg	11/06/25 11:40	VY110625
106-46-7	1,4-Dichlorobenzene	78.2	D	4	6.20	20.0	ug/Kg	11/06/25 11:40	VY110625
104-51-8	n-Butylbenzene	5.80	UD	4	5.80	20.0	ug/Kg	11/06/25 11:40	VY110625
95-50-1	1,2-Dichlorobenzene	5.80	UD	4	5.80	20.0	ug/Kg	11/06/25 11:40	VY110625
96-12-8	1,2-Dibromo-3-Chloropropane	7.40	UD	4	7.40	20.0	ug/Kg	11/06/25 11:40	VY110625
120-82-1	1,2,4-Trichlorobenzene	130	D	4	11.9	20.0	ug/Kg	11/06/25 11:40	VY110625
87-68-3	Hexachlorobutadiene	7.60	UD	4	7.60	20.0	ug/Kg	11/06/25 11:40	VY110625
91-20-3	Naphthalene	62.6	D	4	10.3	20.0	ug/Kg	11/06/25 11:40	VY110625
87-61-6	1,2,3-Trichlorobenzene	12.7	UD	4	12.7	20.0	ug/Kg	11/06/25 11:40	VY110625
628-63-7	N-amyl acetate	3.90	UD	4	3.90	20.0	ug/Kg	11/06/25 11:40	VY110625
74-88-4	Methyl Iodide	3.60	UD	4	3.60	20.0	ug/Kg	11/06/25 11:40	VY110625
107-05-1	Allyl chloride	3.10	UD	4	3.10	20.0	ug/Kg	11/06/25 11:40	VY110625
110-57-6	trans-1,4-Dichloro-2-butene	4.20	UD	4	4.20	20.0	ug/Kg	11/06/25 11:40	VY110625
126-98-7	Methacrylonitrile	7.00	UD	4	7.00	20.0	ug/Kg	11/06/25 11:40	VY110625

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	10/27/25
Project:	NJ Soil PT	Date Received:	10/29/25
Client Sample ID:	HW1025-PT-VOA-SOILDI	SDG No.:	Q3483
Lab Sample ID:	Q3483-23DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
108-20-3	Diisopropyl ether	2.20	UD	4	2.20	20.0	ug/Kg	11/06/25 11:40	VY110625
123-91-1	1,4-Dioxane	190	UD	4	190	400	ug/Kg	11/06/25 11:40	VY110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.0			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.8			70 - 134	98%	SPK: 50		
2037-26-5	Toluene-d8	49.0			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.3			17 - 146	95%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	526000							
540-36-3	1,4-Difluorobenzene	838000							
3114-55-4	Chlorobenzene-d5	725000							
3855-82-1	1,4-Dichlorobenzene-d4	375000							

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\VY110625\
 Data File : VY023698.D
 Acq On : 06 Nov 2025 11:40
 Operator : SY/MD
 Sample : Q3483-23DL 4X
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOILDL

Quant Time: Nov 07 04:15:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	525542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	837737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	724701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	374577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	232911	51.955	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.920%	
35) Dibromofluoromethane	7.634	113	255382	48.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.560%	
50) Toluene-d8	10.109	98	955572	48.999	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.000%	
62) 4-Bromofluorobenzene	12.408	95	298565	47.341	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.680%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	3.793	96	113739	24.223	ug/l	98
16) Acetone	3.867	43	91635	82.234	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	212586	19.525	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	82185	15.523	ug/l	94
25) 2-Butanone	6.896	43	40694	31.586	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	84881	14.038	ug/l	92
30) Chloroform	7.421	83	151000	15.952	ug/l	95
38) Carbon Tetrachloride	7.823	117	129695	15.735	ug/l	99
40) Benzene	8.079	78	508490	23.060	ug/l	99
42) 1,2-Dichloroethane	8.158	62	258458	46.329	ug/l	99
44) Trichloroethene	8.866	130	183331	28.946	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	240783	37.430	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	319715	41.483	ug/l	98
59) 2-Hexanone	10.762	43	154583	78.299	ug/l	96
61) 1,2-Dibromoethane	11.018	107	25570	6.761	ug/l	100
64) Tetrachloroethene	10.646	164	128427	17.026	ug/l	99
65) Chlorobenzene	11.444	112	88066	5.582	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	89459	16.036	ug/l	99
67) Ethyl Benzene	11.518	91	131645	5.156	ug/l	97
68) m/p-Xylenes	11.627	106	450361	44.145	ug/l	100
69) o-Xylene	11.957	106	424279	44.990	ug/l	96
70) Styrene	11.969	104	414825	26.660	ug/l	93
71) Bromoform	12.133	173	85871	26.355	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	156122	39.019	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	107090	35.326	ug/l #	100
79) 2-Chlorotoluene	12.682	91	339099	19.830	ug/l	100
83) tert-Butylbenzene	12.999	119	552302	29.792	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	936427	46.448	ug/l	100
86) p-Isopropyltoluene	13.292	119	989472	43.712	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	158311	12.377	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	245531	19.542	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	208316	33.041	ug/l	99
95) Naphthalene	15.145	128	128093	15.660	ug/l	99

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

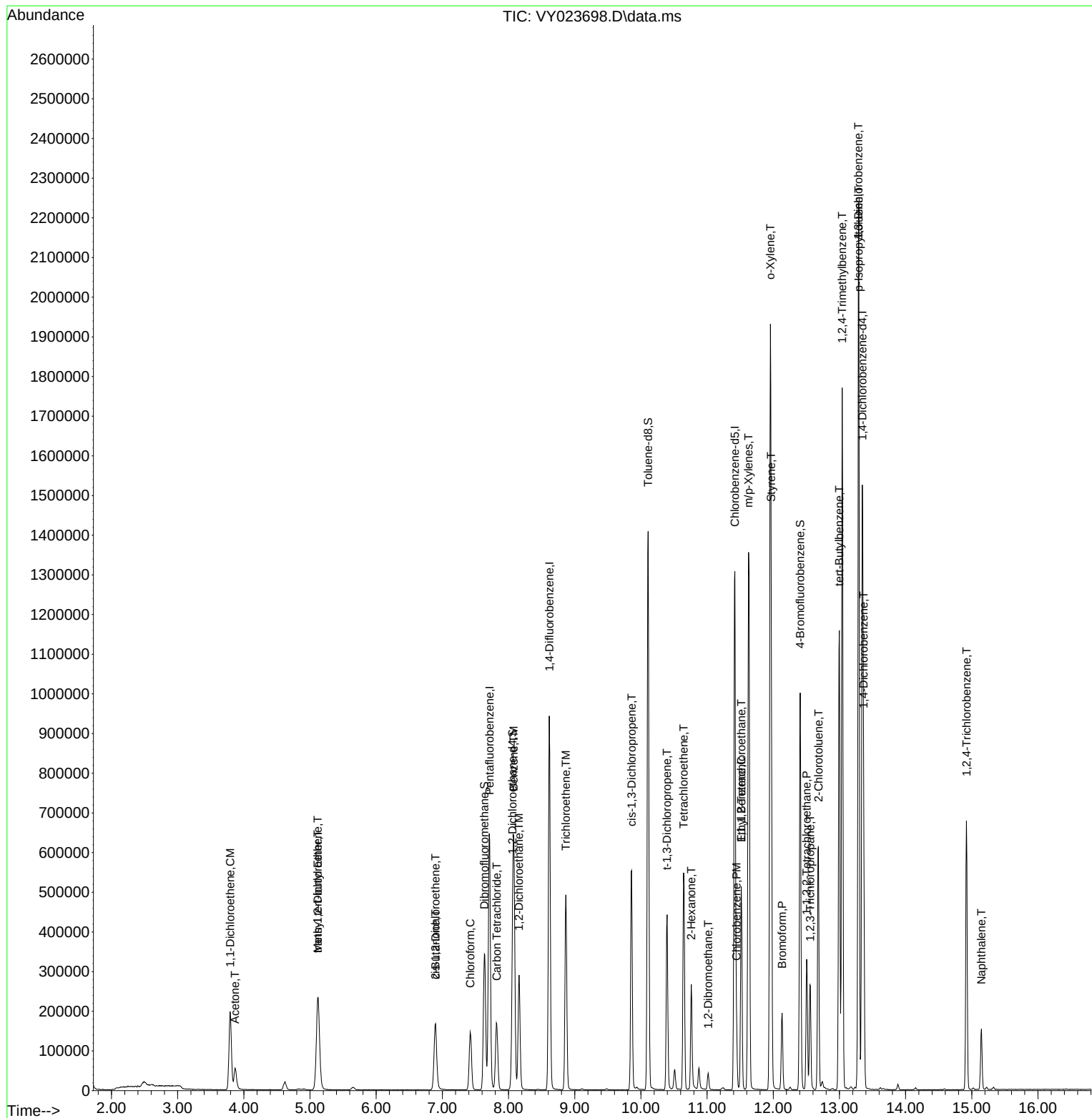
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

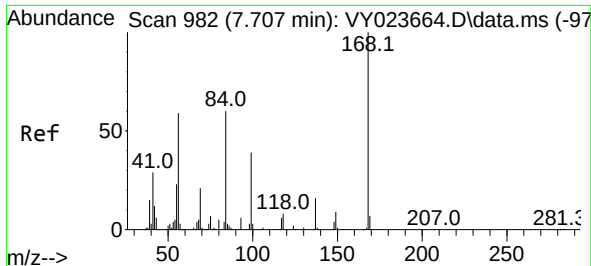
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023698.D
Acq On : 06 Nov 2025 11:40
Operator : SY/MD
Sample : Q3483-23DL 4X
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILDL

Quant Time: Nov 07 04:15:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

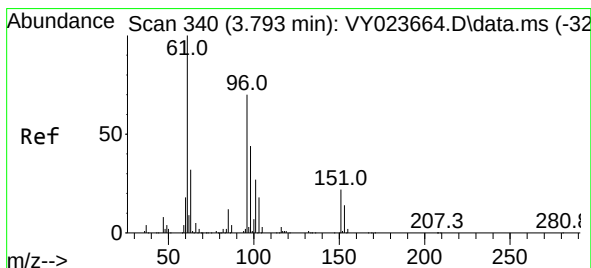
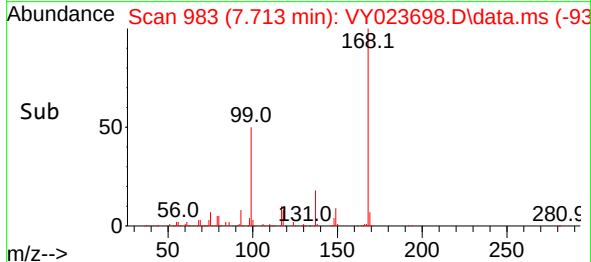
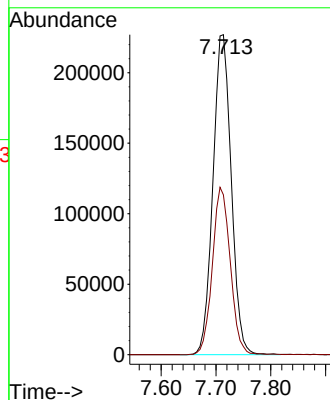
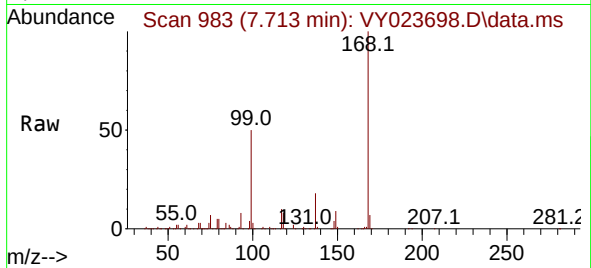




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

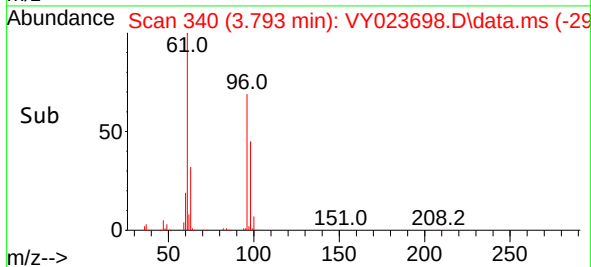
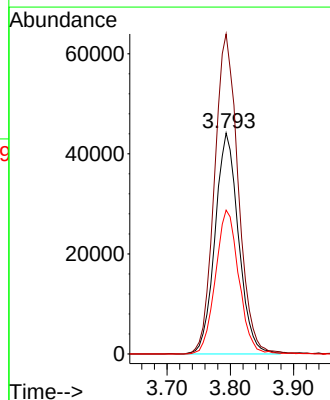
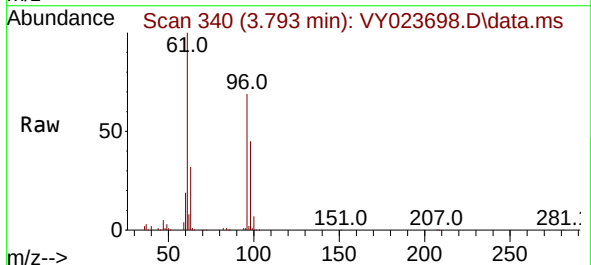
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

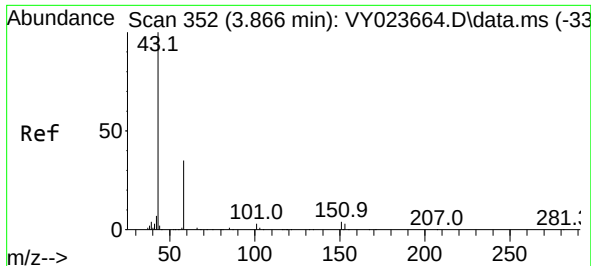
Tgt Ion:168 Resp: 525542
Ion Ratio Lower Upper
168 100
99 50.0 41.0 61.4



#12
1,1-Dichloroethene
Concen: 24.223 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 96 Resp: 113739
Ion Ratio Lower Upper
96 100
61 144.8 114.0 171.0
98 65.1 50.2 75.2

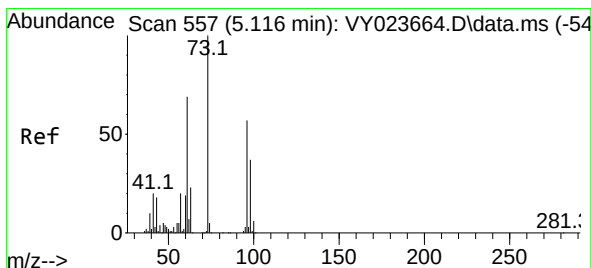
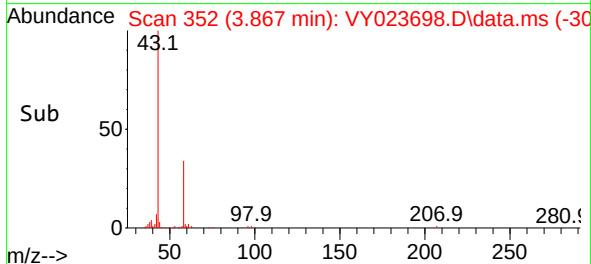
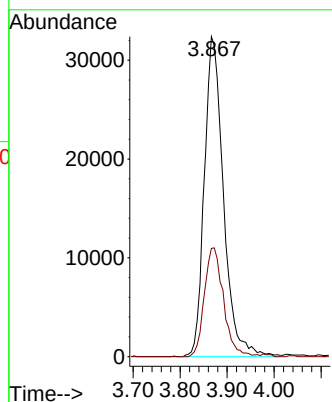
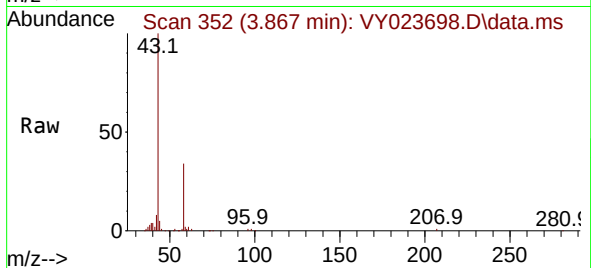




#16
Acetone
Concen: 82.234 ug/l
RT: 3.867 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

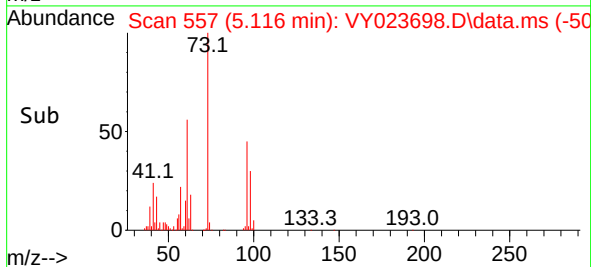
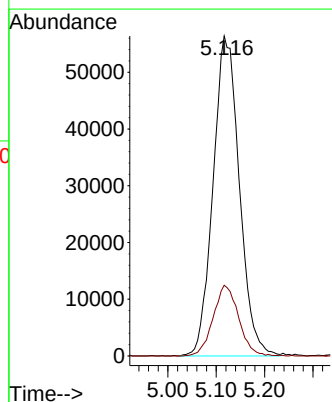
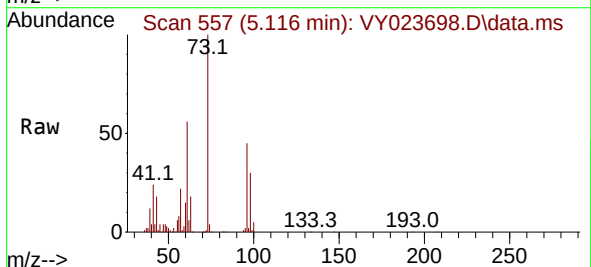
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

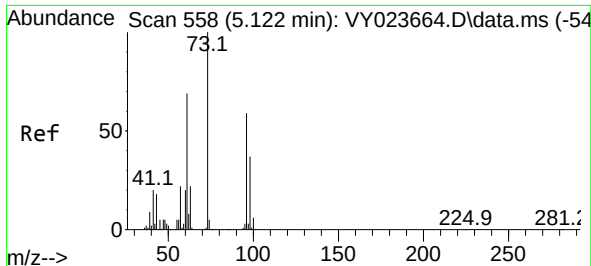
Tgt Ion: 43 Resp: 91635
Ion Ratio Lower Upper
43 100
58 33.9 28.2 42.4



#19
Methyl tert-butyl Ether
Concen: 19.525 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 73 Resp: 212586
Ion Ratio Lower Upper
73 100
57 22.1 16.1 24.1

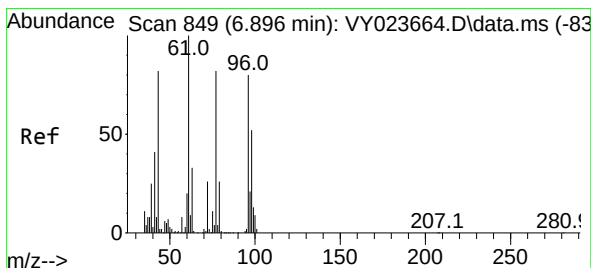
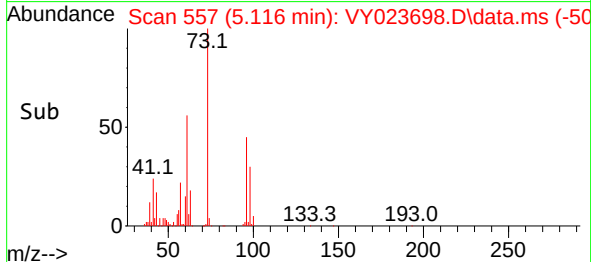
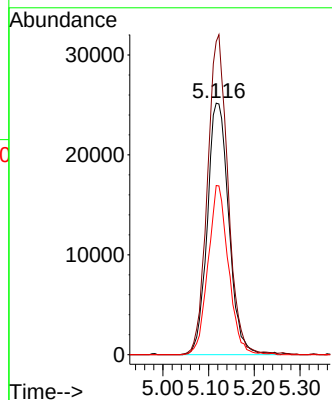
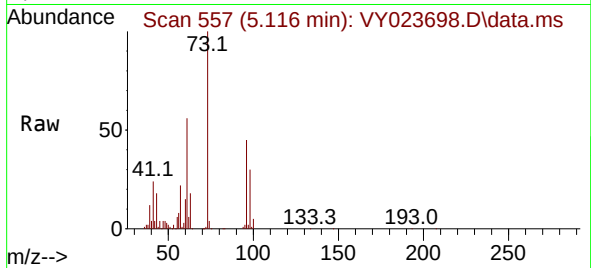




#21
trans-1,2-Dichloroethene
Concen: 15.523 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

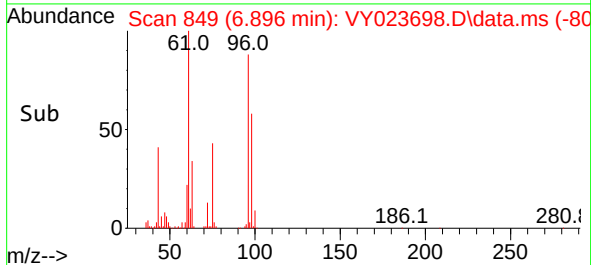
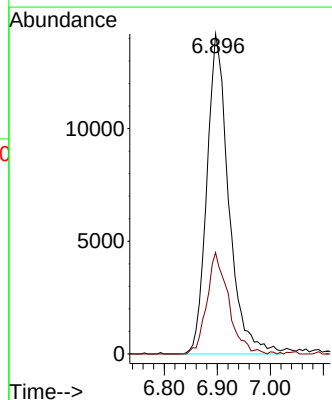
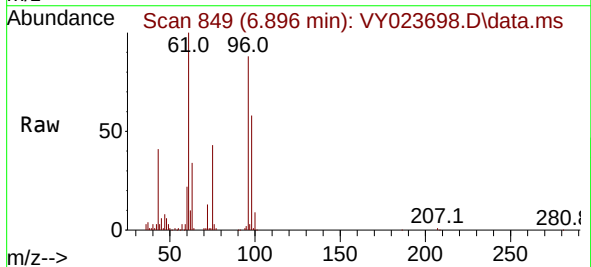
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

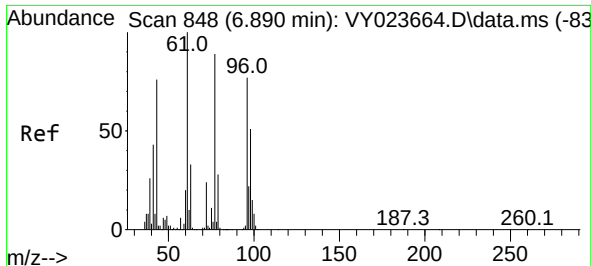
Tgt Ion: 96 Resp: 82185
Ion Ratio Lower Upper
96 100
61 124.5 93.3 139.9
98 67.2 50.6 75.8



#25
2-Butanone
Concen: 31.586 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 43 Resp: 40694
Ion Ratio Lower Upper
43 100
72 31.7 25.7 38.5





#27

cis-1,2-Dichloroethene

Concen: 14.038 ug/l

RT: 6.896 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD

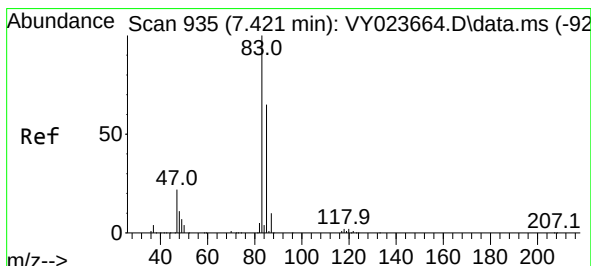
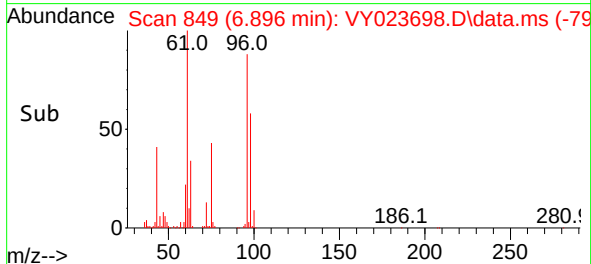
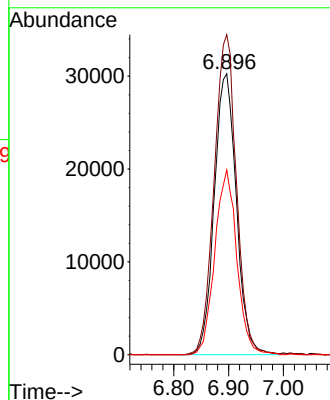
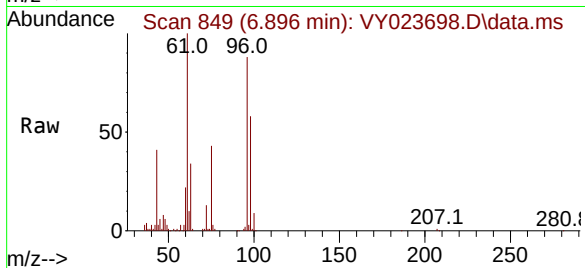
Tgt Ion: 96 Resp: 84881

Ion Ratio Lower Upper

96 100

61 114.6 0.0 255.0

98 65.5 0.0 129.8



#30

Chloroform

Concen: 15.952 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023698.D

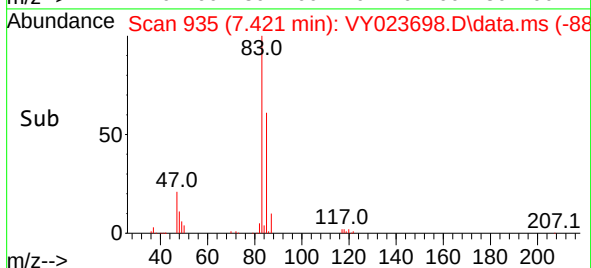
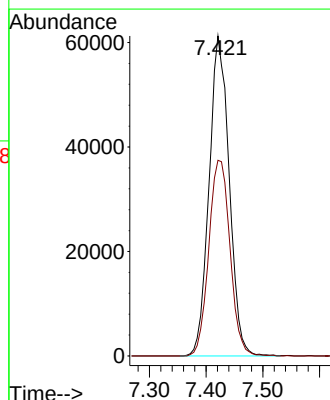
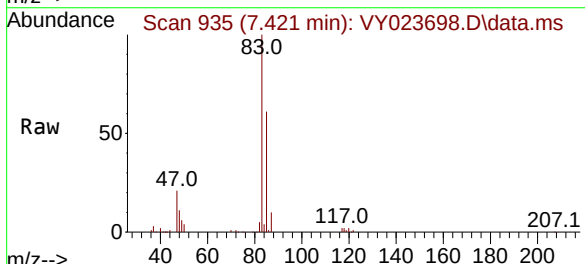
Acq: 06 Nov 2025 11:40

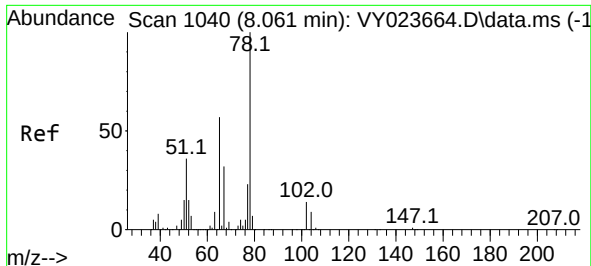
Tgt Ion: 83 Resp: 151000

Ion Ratio Lower Upper

83 100

85 61.2 52.1 78.1

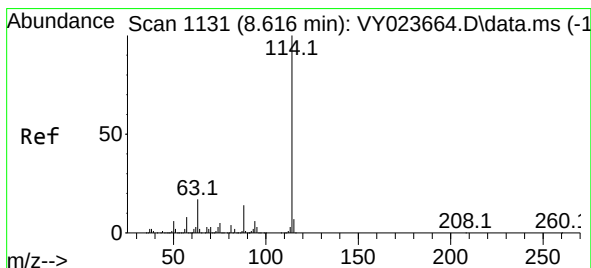
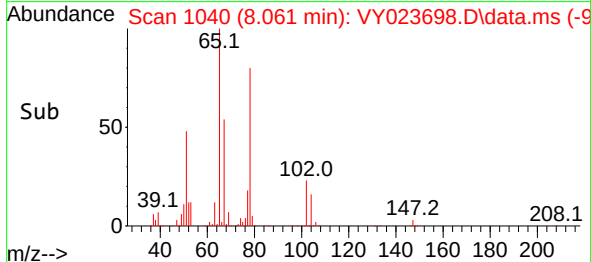
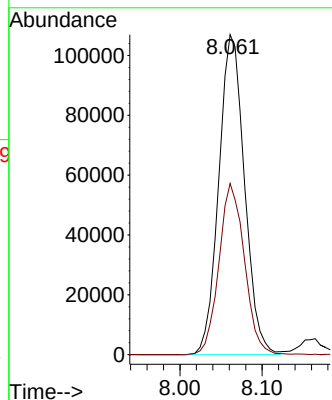
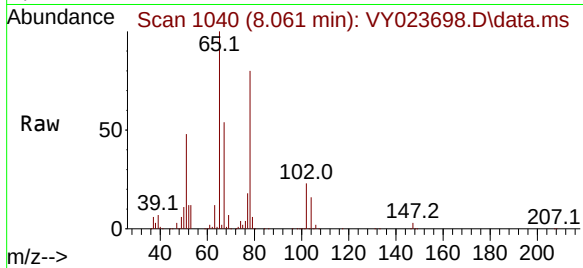




#33
1,2-Dichloroethane-d4
Concen: 51.955 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

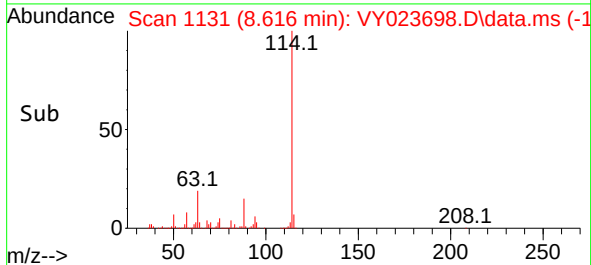
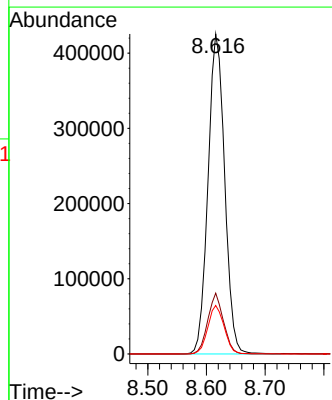
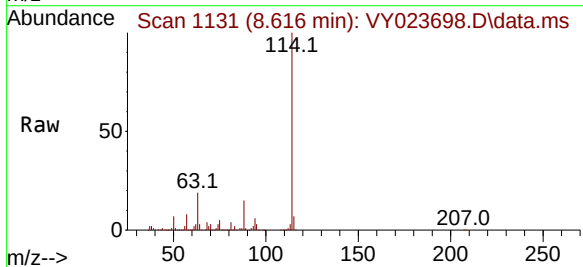
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

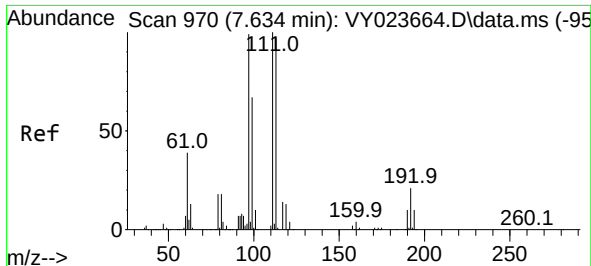
Tgt Ion: 65 Resp: 232911
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 114 Resp: 837737
Ion Ratio Lower Upper
114 100
63 19.0 0.0 33.8
88 15.2 0.0 29.0

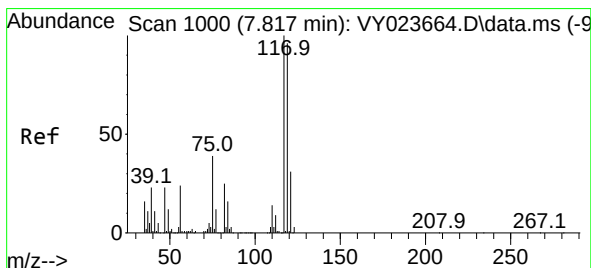
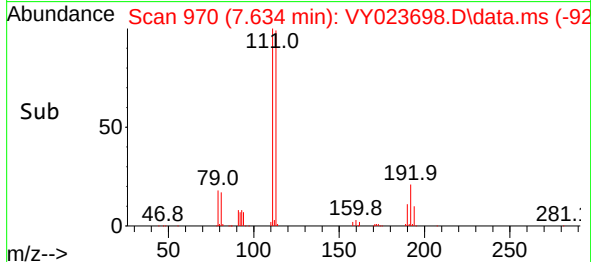
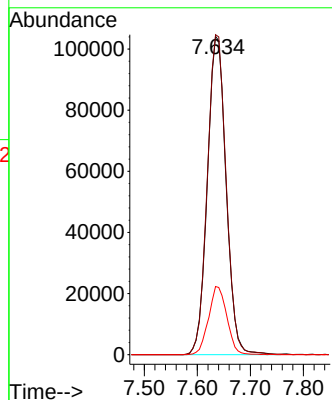
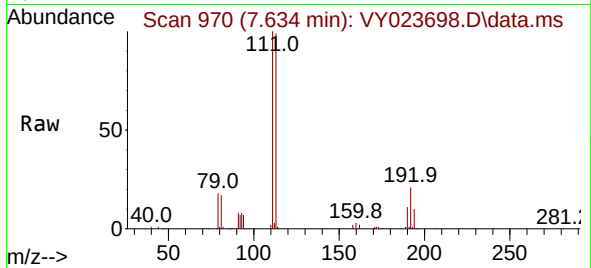




#35
Dibromofluoromethane
Concen: 48.781 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

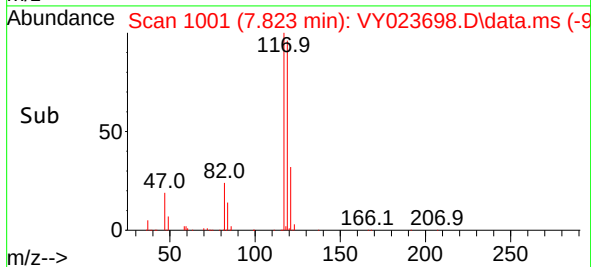
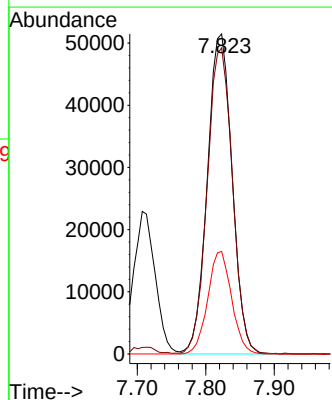
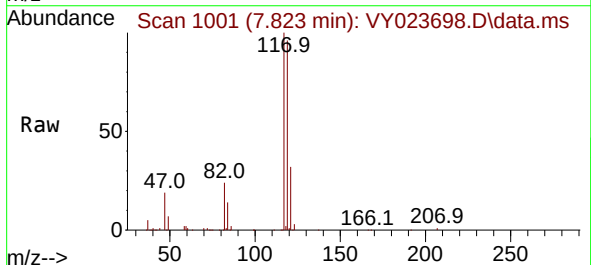
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

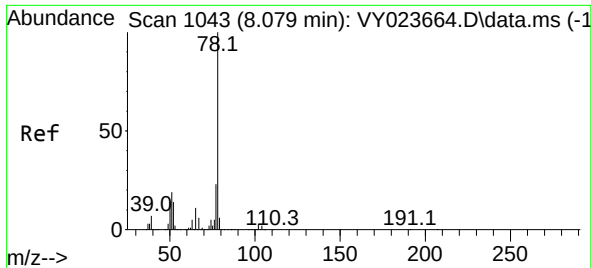
Tgt Ion:113 Resp: 255382
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 21.0 17.3 25.9



#38
Carbon Tetrachloride
Concen: 15.735 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion:117 Resp: 129695
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5
121 32.1 24.8 37.2

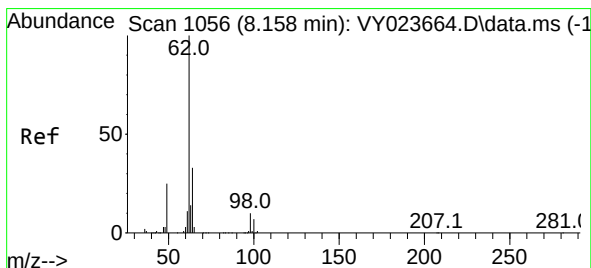
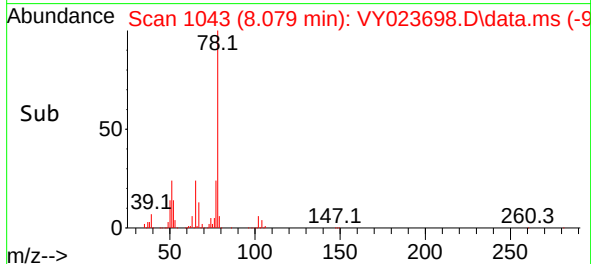
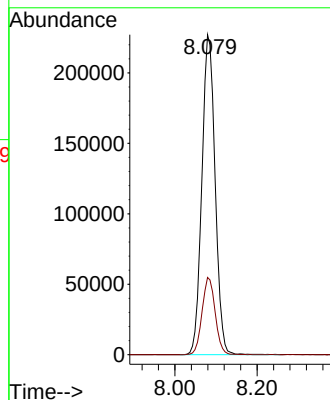
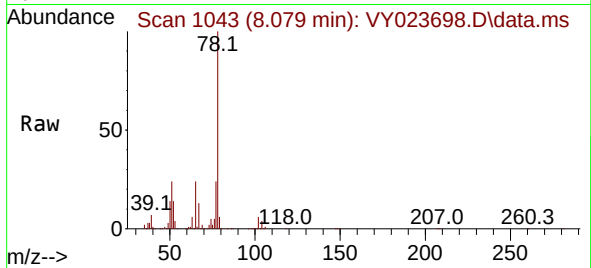




#40
Benzene
Concen: 23.060 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

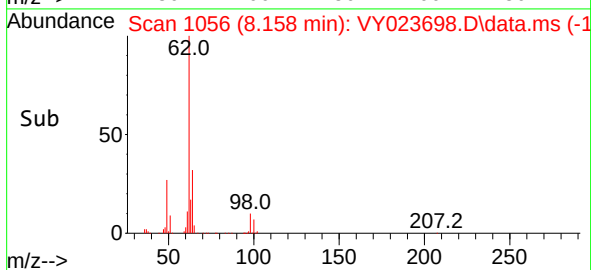
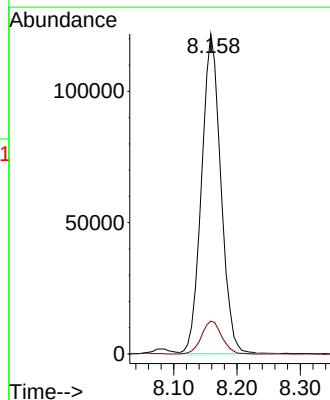
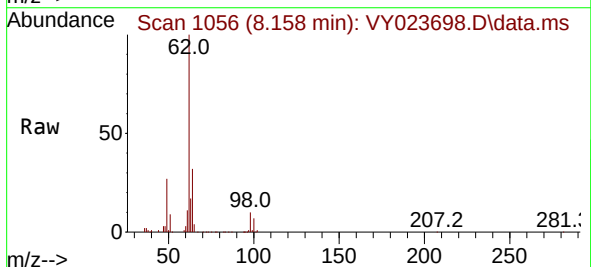
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILDL

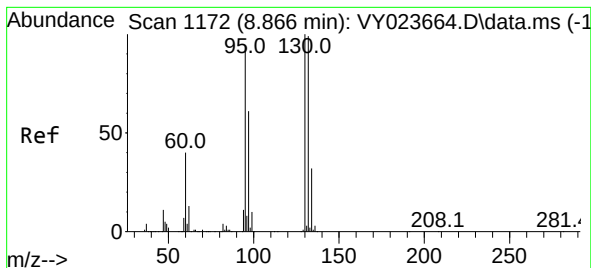
Tgt Ion: 78 Resp: 508490
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2



#42
1,2-Dichloroethane
Concen: 46.329 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 62 Resp: 258458
Ion Ratio Lower Upper
62 100
98 10.8 0.0 21.0





#44

Trichloroethene

Concen: 28.946 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

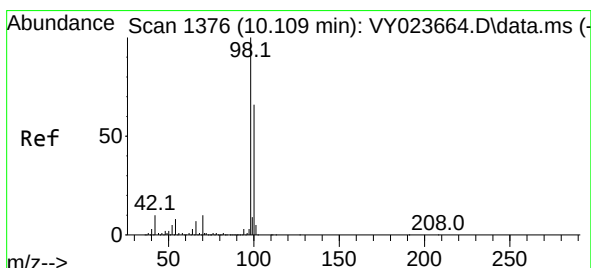
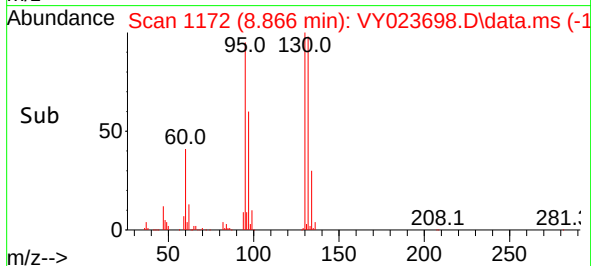
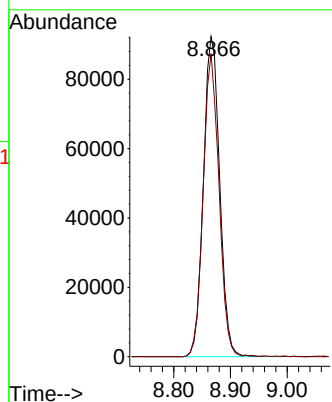
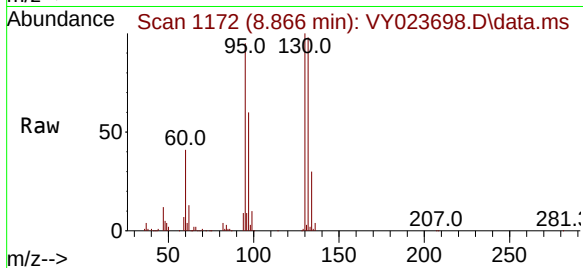
HW1025-PT-VOA-SOILD

Tgt Ion:130 Resp: 183331

Ion Ratio Lower Upper

130 100

95 94.7 0.0 187.0



#50

Toluene-d8

Concen: 48.999 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023698.D

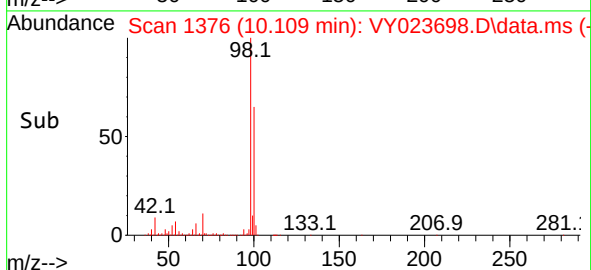
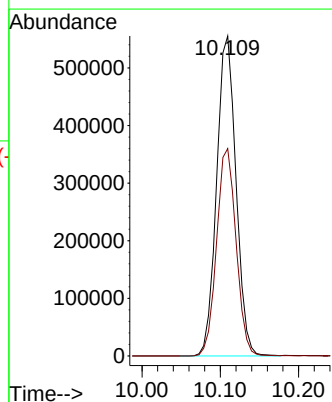
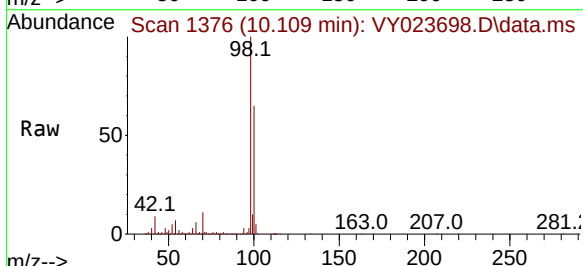
Acq: 06 Nov 2025 11:40

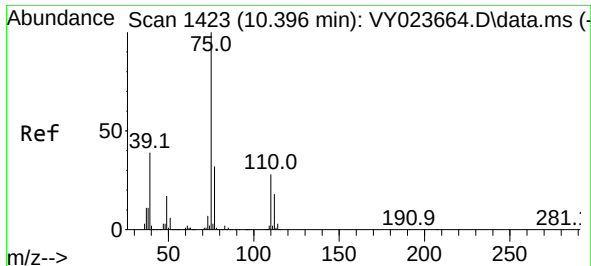
Tgt Ion: 98 Resp: 955572

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1

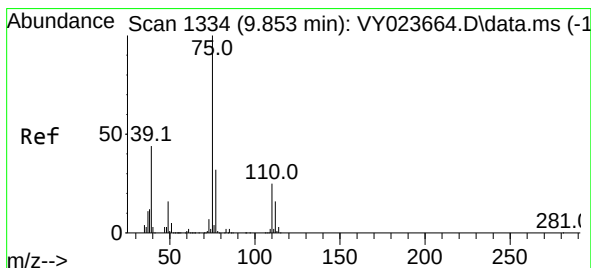
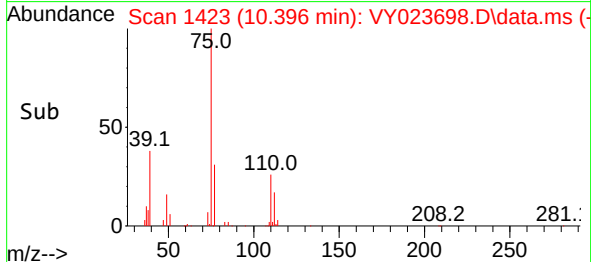
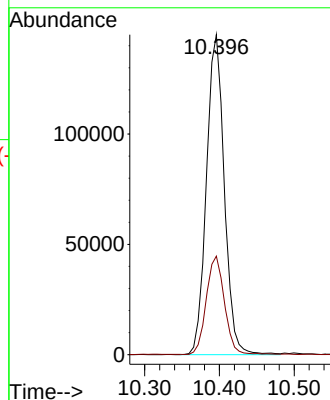
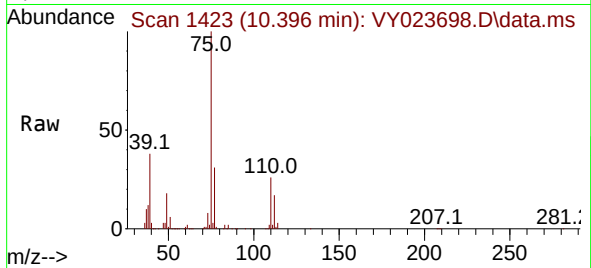




#53
 t-1,3-Dichloropropene
 Concen: 37.430 ug/l
 RT: 10.396 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

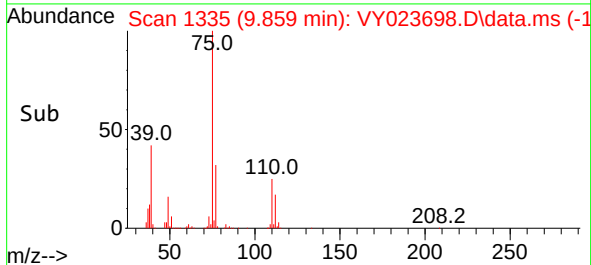
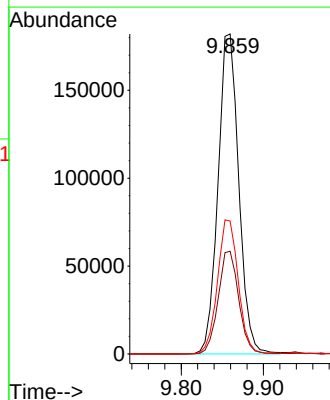
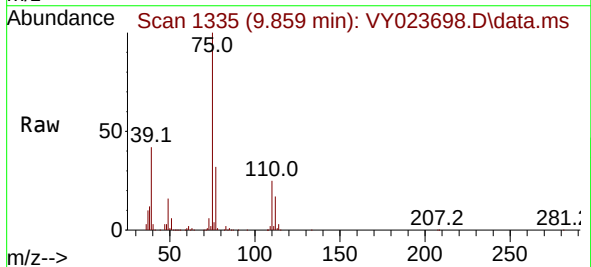
Instrument :
 MSVOA_Y
 ClientSampleId :
 HW1025-PT-VOA-SOILDL

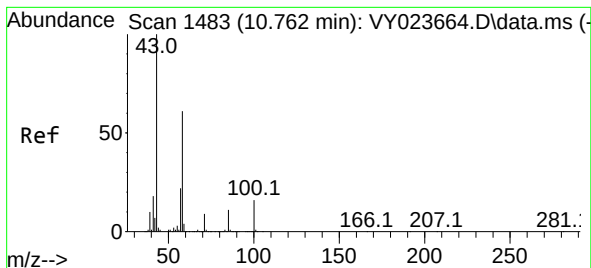
Tgt Ion: 75 Resp: 240783
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 41.483 ug/l
 RT: 9.859 min Scan# 1335
 Delta R.T. 0.006 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

Tgt Ion: 75 Resp: 319715
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5
 39 41.6 34.9 52.3

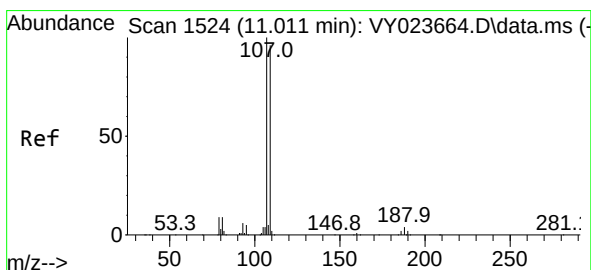
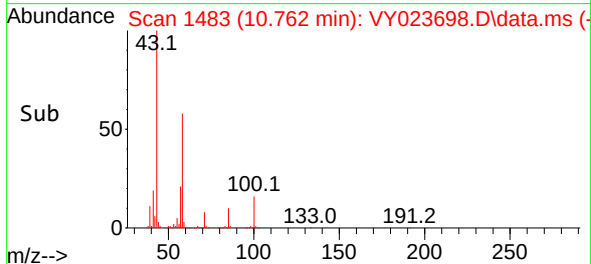
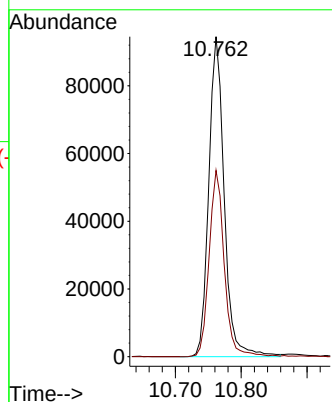
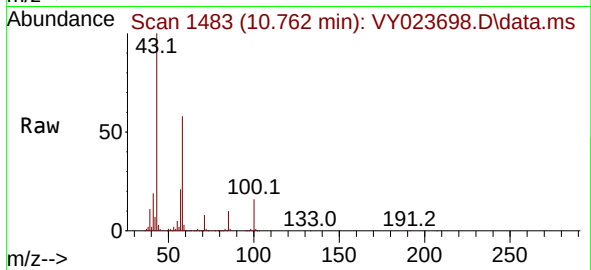




#59
2-Hexanone
Concen: 78.299 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

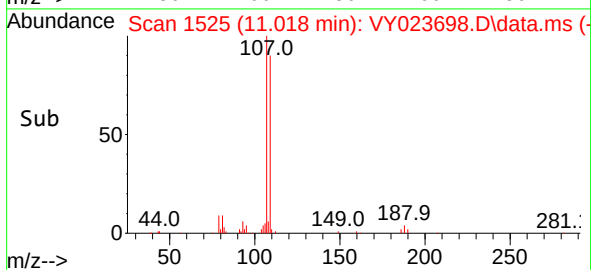
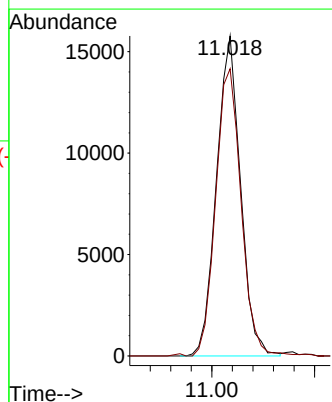
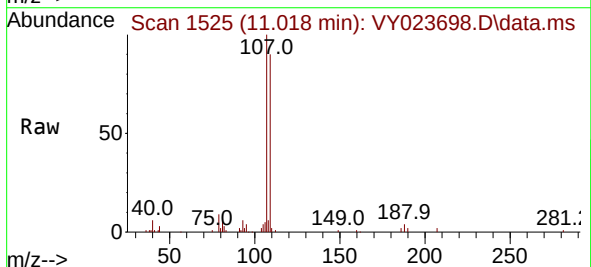
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

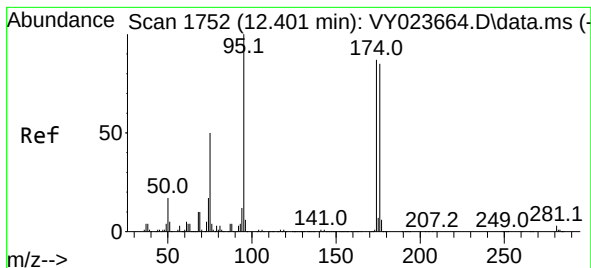
Tgt Ion: 43 Resp: 154583
Ion Ratio Lower Upper
43 100
58 57.2 30.2 90.6



#61
1,2-Dibromoethane
Concen: 6.761 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 107 Resp: 25570
Ion Ratio Lower Upper
107 100
109 94.9 76.2 114.4

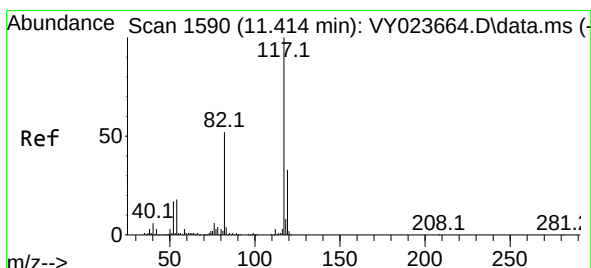
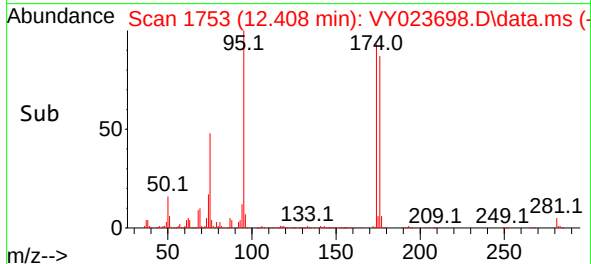
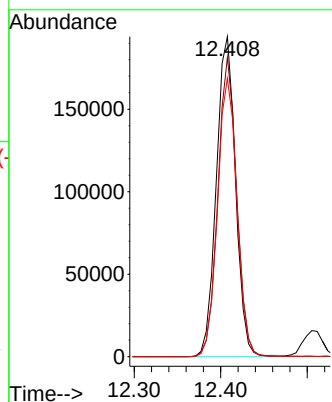
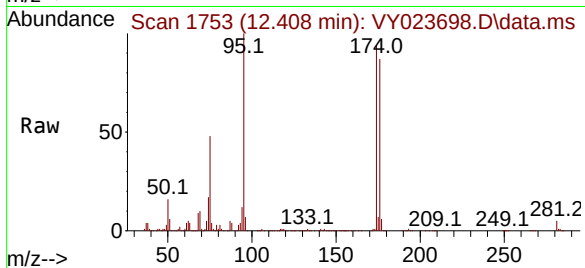




#62
4-Bromofluorobenzene
Concen: 47.341 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

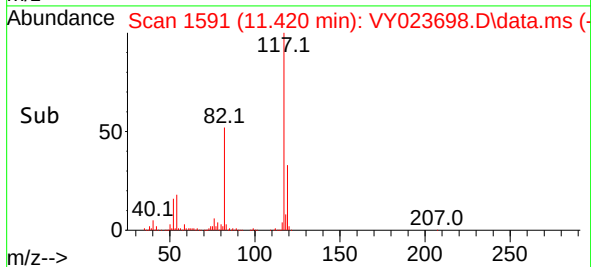
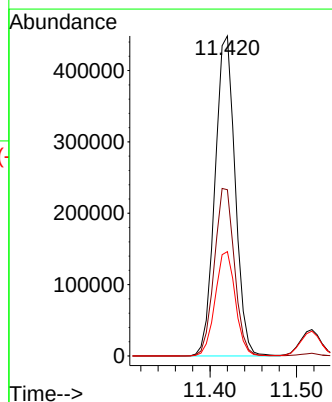
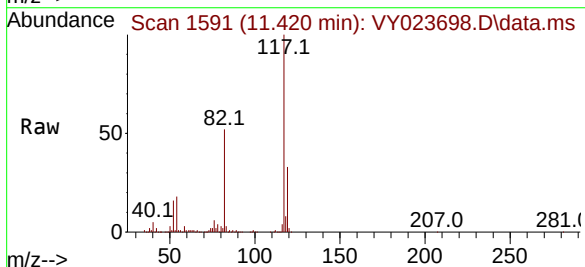
Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD

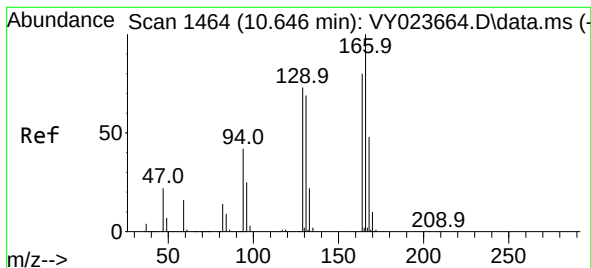
Tgt Ion: 95 Resp: 298565
Ion Ratio Lower Upper
95 100
174 91.9 0.0 184.8
176 88.4 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Tgt Ion: 117 Resp: 724701
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 32.6 26.2 39.2





#64

Tetrachloroethene

Concen: 17.026 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY023698.D

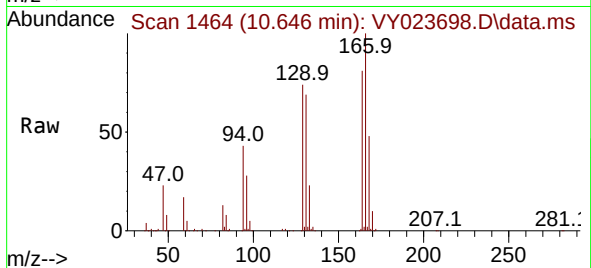
Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILDL



Tgt Ion:164 Resp: 128427

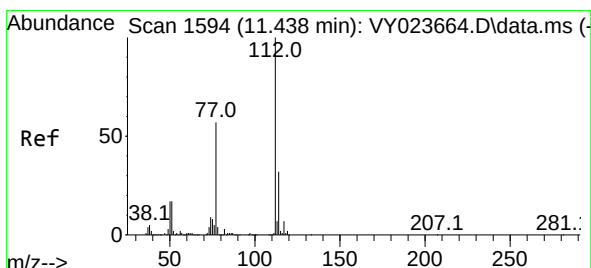
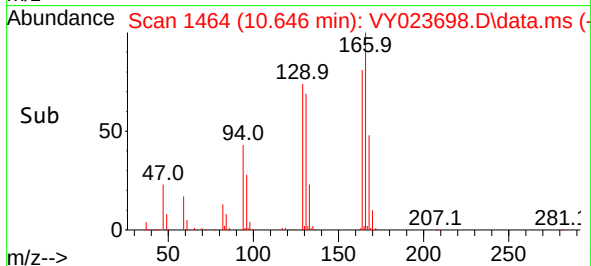
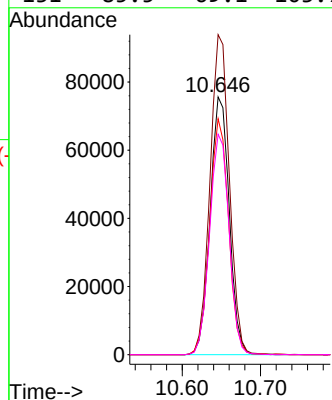
Ion Ratio Lower Upper

164 100

166 124.2 99.5 149.3

129 91.6 72.3 108.5

131 85.5 69.1 103.7



#65

Chlorobenzene

Concen: 5.582 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.006 min

Lab File: VY023698.D

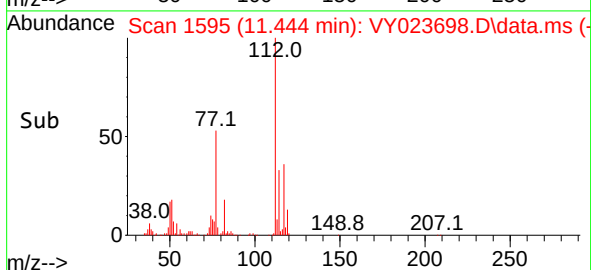
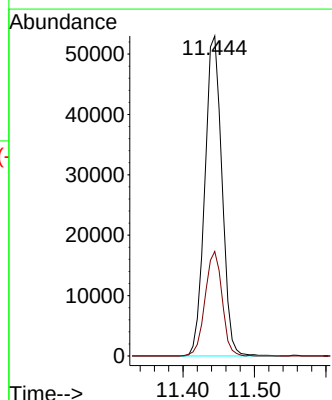
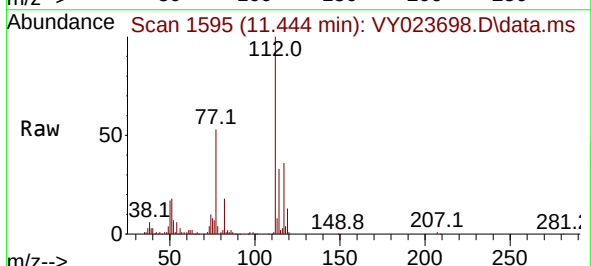
Acq: 06 Nov 2025 11:40

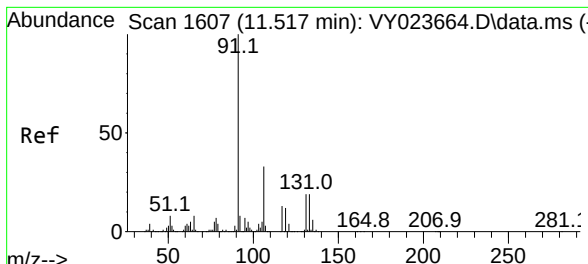
Tgt Ion:112 Resp: 88066

Ion Ratio Lower Upper

112 100

114 32.6 25.8 38.6

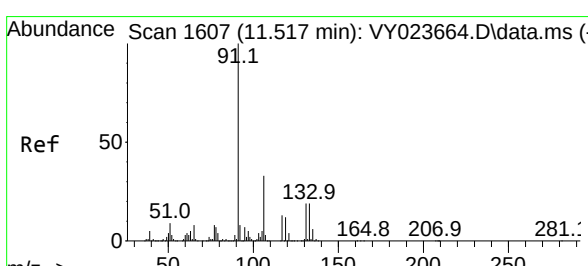
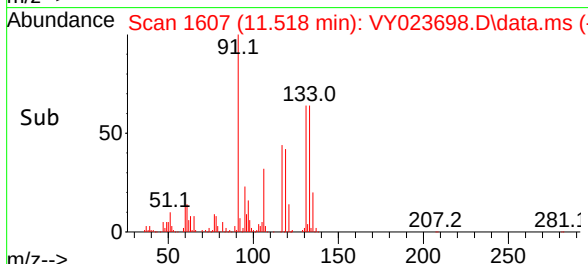
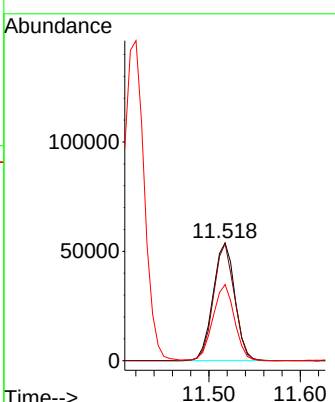
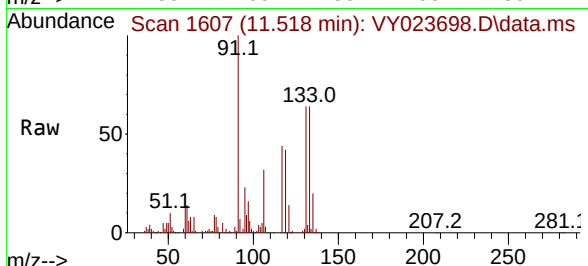




#66
 1,1,1,2-Tetrachloroethane
 Concen: 16.036 ug/l
 RT: 11.518 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

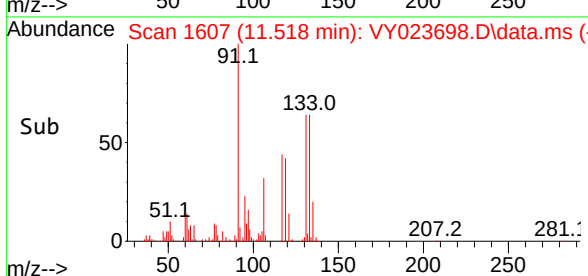
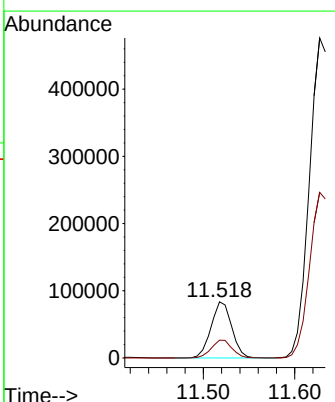
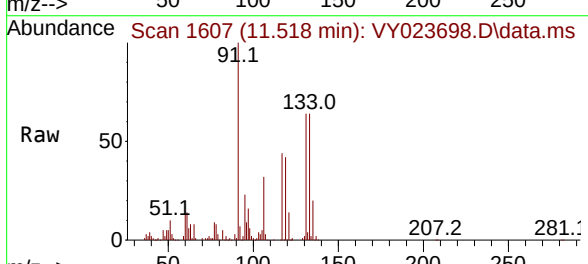
Instrument : MSVOA_Y
 ClientSampleId : HW1025-PT-VOA-SOILD

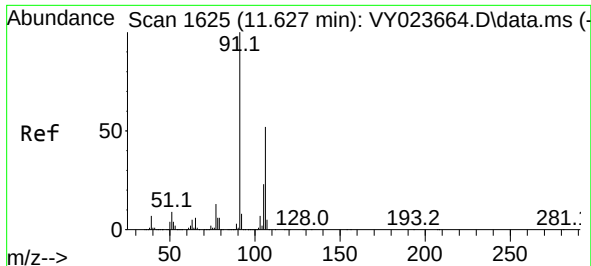
Tgt Ion:131	Resp:	89459
Ion Ratio	Lower	Upper
131	100	
133	95.3	47.3 141.8
119	64.3	32.5 97.4



#67
 Ethyl Benzene
 Concen: 5.156 ug/l
 RT: 11.518 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: VY023698.D
 Acq: 06 Nov 2025 11:40

Tgt Ion: 91	Resp:	131645
Ion Ratio	Lower	Upper
91	100	
106	31.6	26.6 40.0





#68

m/p-Xylenes

Concen: 44.145 ug/l

RT: 11.627 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

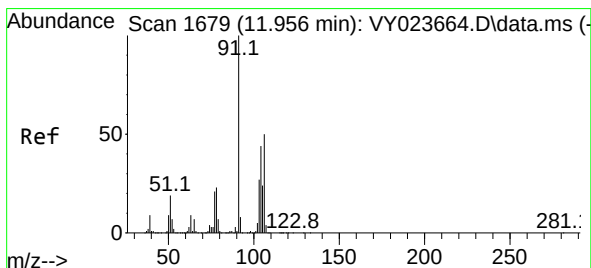
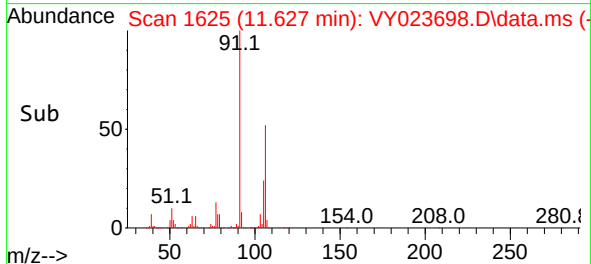
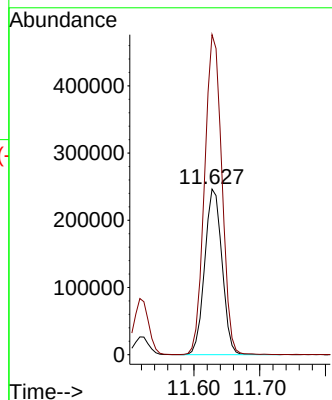
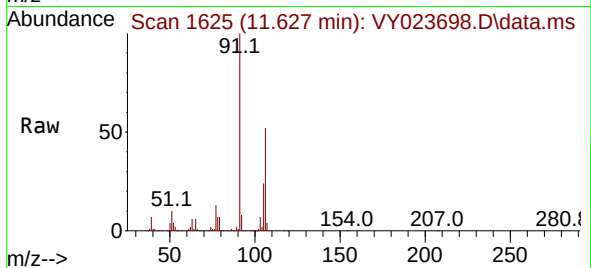
HW1025-PT-VOA-SOILD

Tgt Ion:106 Resp: 450361

Ion Ratio Lower Upper

106 100

91 192.9 154.3 231.5



#69

o-Xylene

Concen: 44.990 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY023698.D

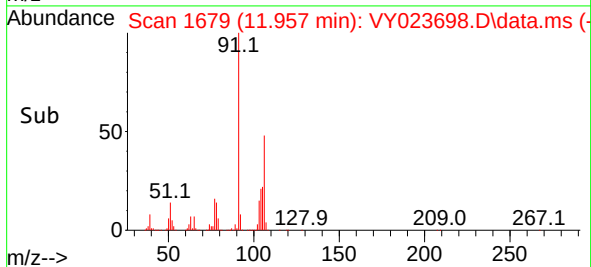
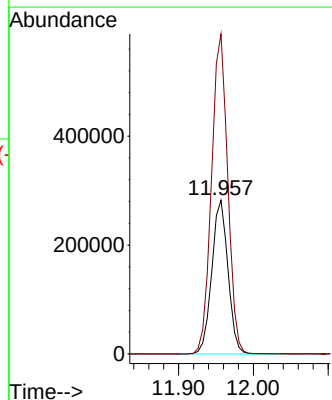
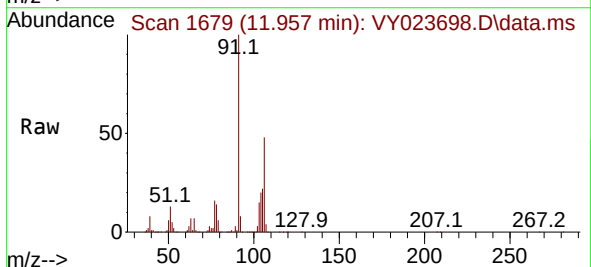
Acq: 06 Nov 2025 11:40

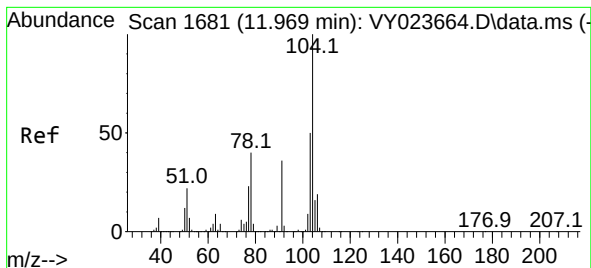
Tgt Ion:106 Resp: 424279

Ion Ratio Lower Upper

106 100

91 209.1 101.6 304.6





#70

Styrene

Concen: 26.660 ug/l

RT: 11.969 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD

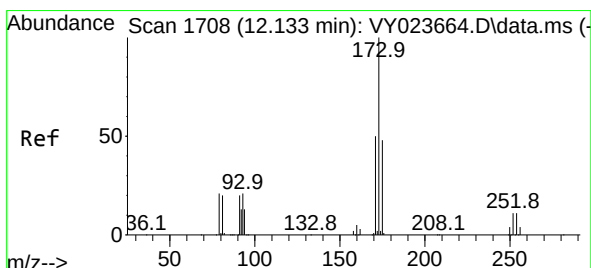
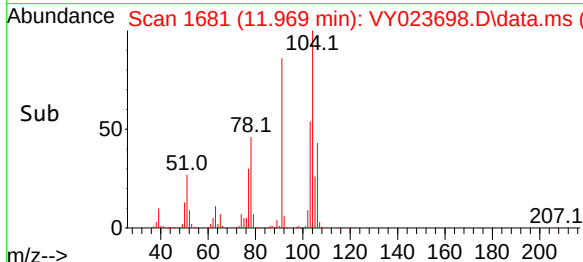
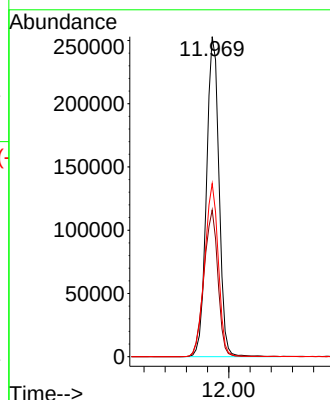
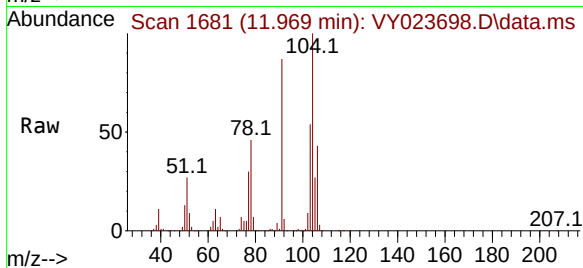
Tgt Ion:104 Resp: 414825

Ion Ratio Lower Upper

104 100

78 51.0 36.5 54.7

103 59.1 43.7 65.5



#71

Bromoform

Concen: 26.355 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

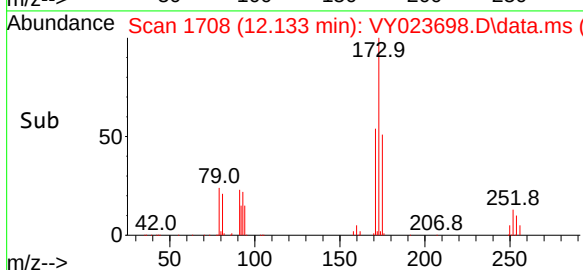
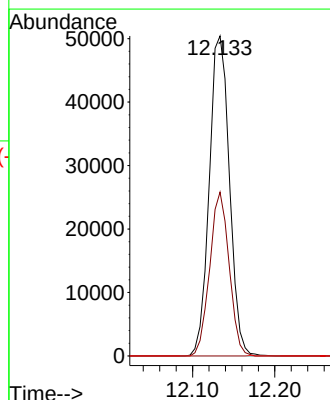
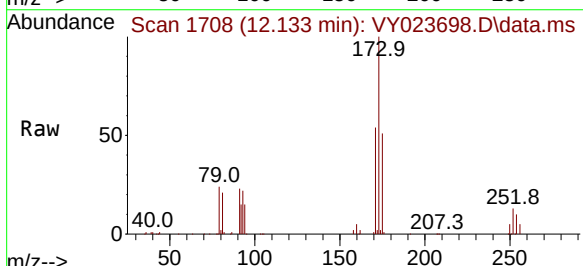
Tgt Ion:173 Resp: 85871

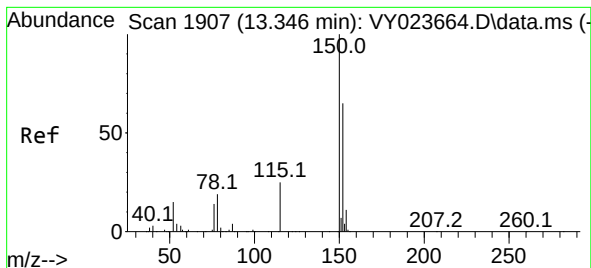
Ion Ratio Lower Upper

173 100

175 49.3 24.2 72.6

254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD

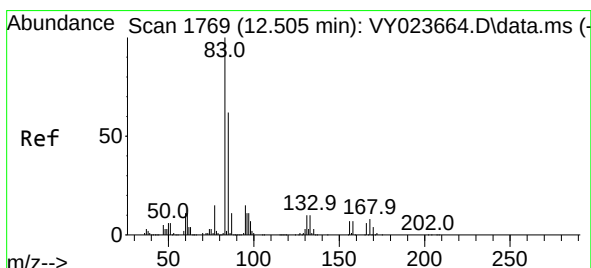
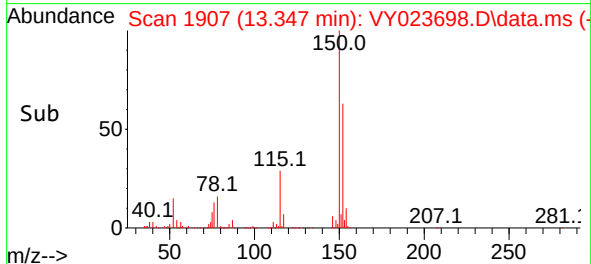
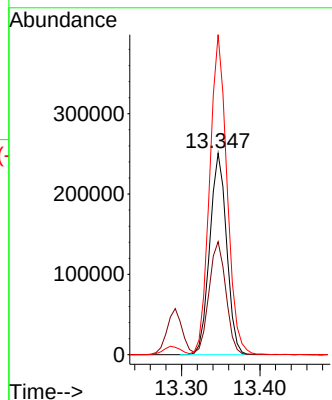
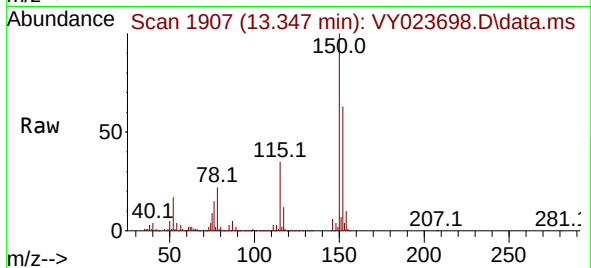
Tgt Ion:152 Resp: 374577

Ion Ratio Lower Upper

152 100

115 56.1 27.5 82.5

150 163.2 0.0 349.0



#75

1,1,2,2-Tetrachloroethane

Concen: 39.019 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

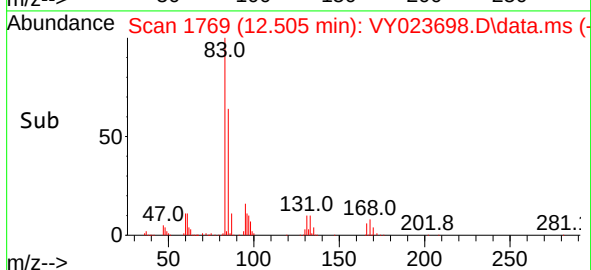
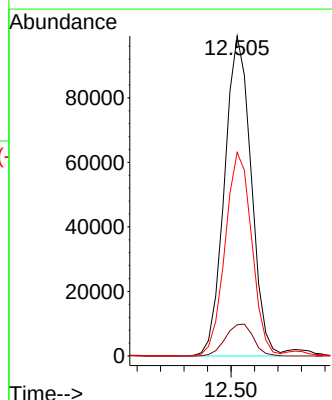
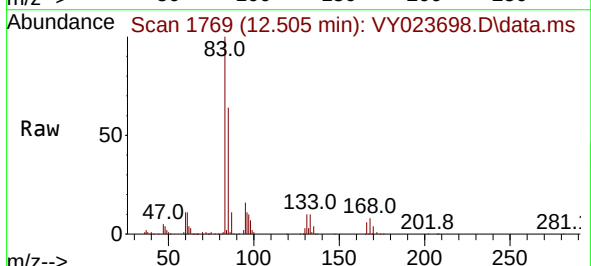
Tgt Ion: 83 Resp: 156122

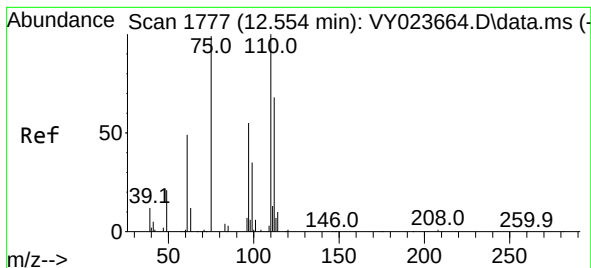
Ion Ratio Lower Upper

83 100

131 10.4 5.7 17.0

85 63.8 31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 35.326 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

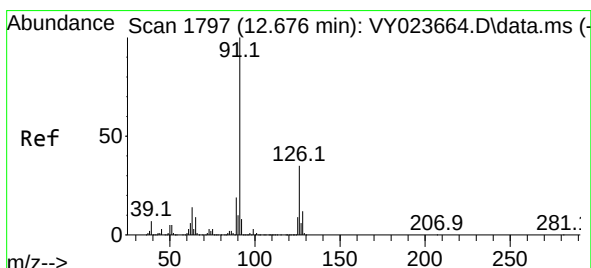
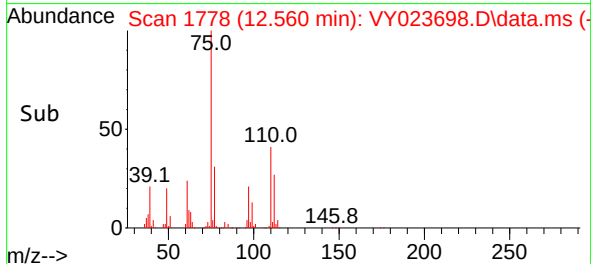
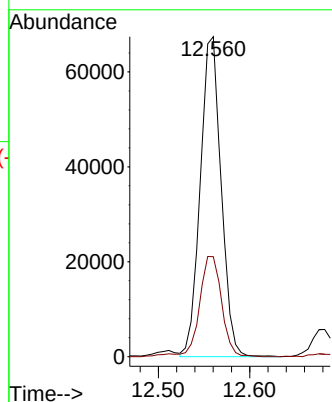
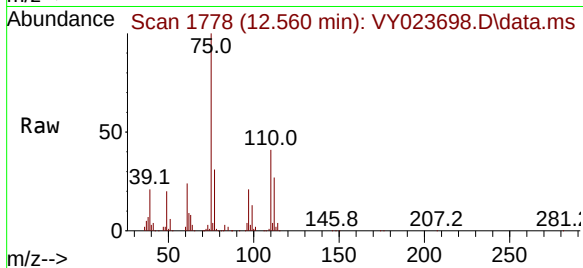
HW1025-PT-VOA-SOILD

Tgt Ion: 75 Resp: 107090

Ion Ratio Lower Upper

75 100

77 33.5 0.0 0.0#



#79

2-Chlorotoluene

Concen: 19.830 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.006 min

Lab File: VY023698.D

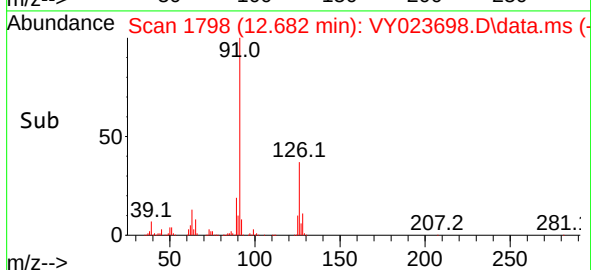
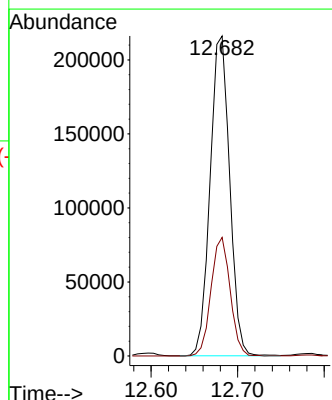
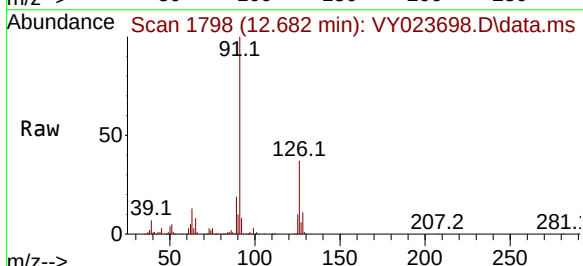
Acq: 06 Nov 2025 11:40

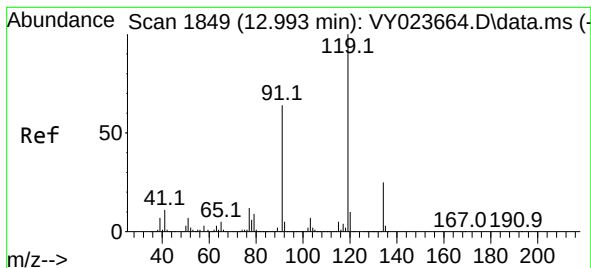
Tgt Ion: 91 Resp: 339099

Ion Ratio Lower Upper

91 100

126 36.2 18.0 54.0





#83

tert-Butylbenzene

Concen: 29.792 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD

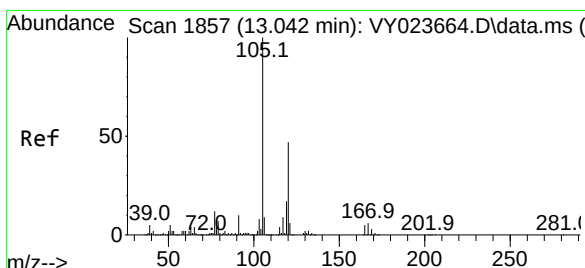
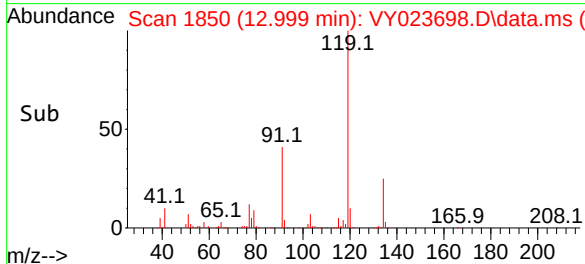
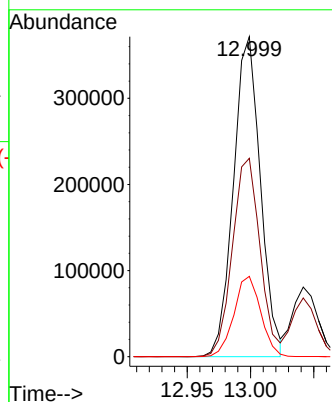
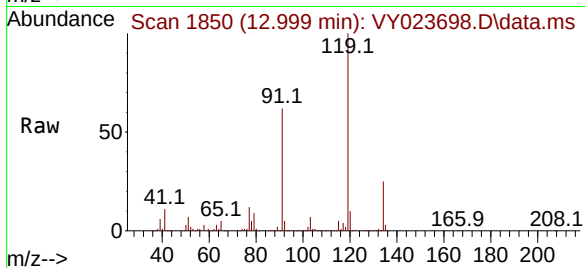
Tgt Ion:119 Resp: 552302

Ion Ratio Lower Upper

119 100

91 63.6 30.7 92.1

134 25.0 13.1 39.1



#84

1,2,4-Trimethylbenzene

Concen: 46.448 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023698.D

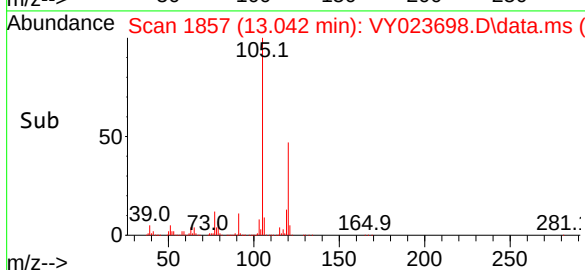
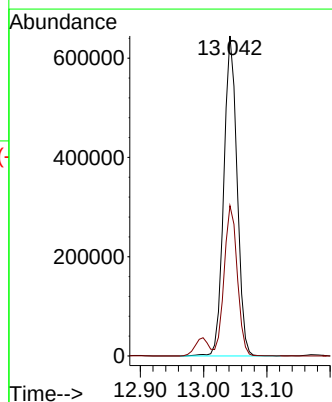
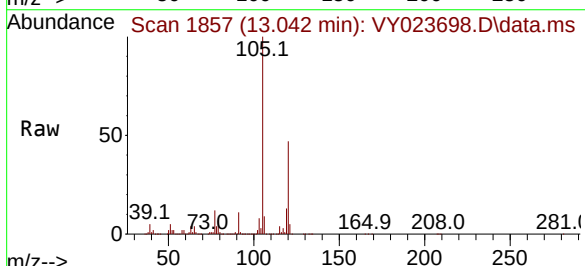
Acq: 06 Nov 2025 11:40

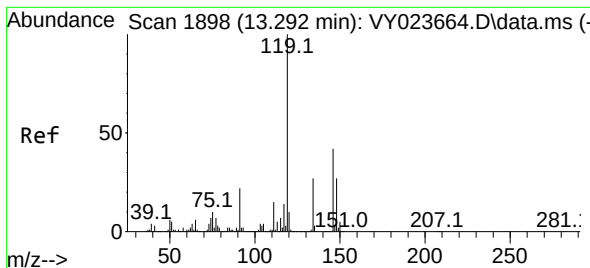
Tgt Ion:105 Resp: 936427

Ion Ratio Lower Upper

105 100

120 46.2 23.2 69.6





#86

p-Isopropyltoluene

Concen: 43.712 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD

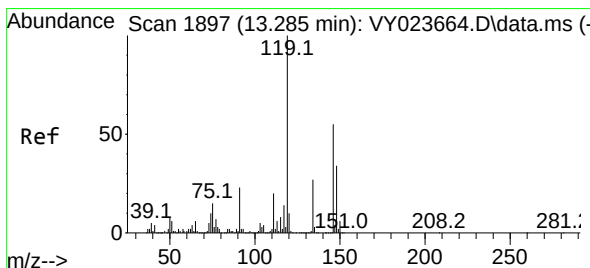
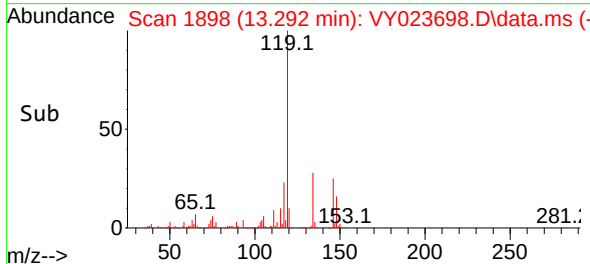
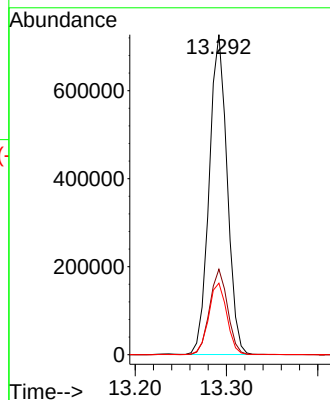
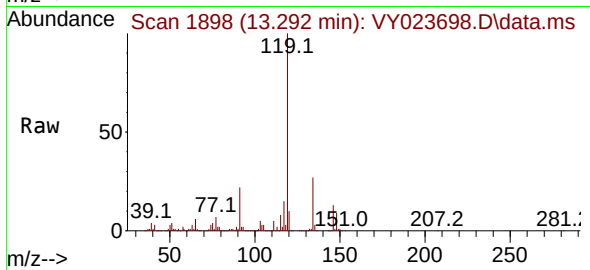
Tgt Ion:119 Resp: 989472

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.7 11.1 33.1



#87

1,3-Dichlorobenzene

Concen: 12.377 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

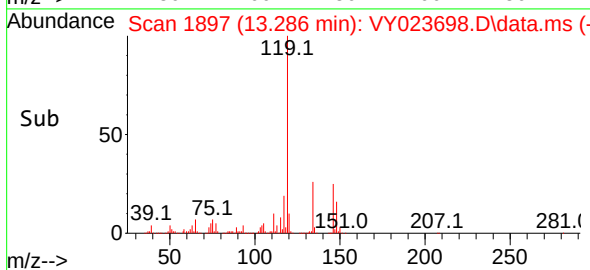
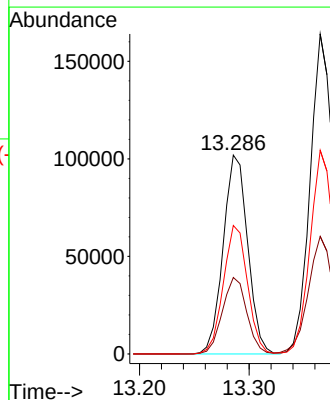
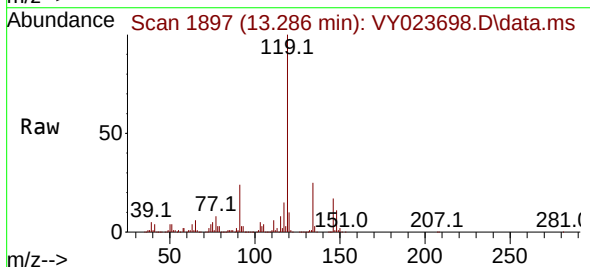
Tgt Ion:146 Resp: 158311

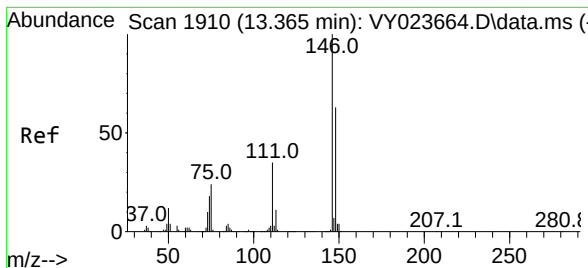
Ion Ratio Lower Upper

146 100

111 38.3 18.8 56.3

148 63.6 31.9 95.5





#88

1,4-Dichlorobenzene

Concen: 19.542 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023698.D

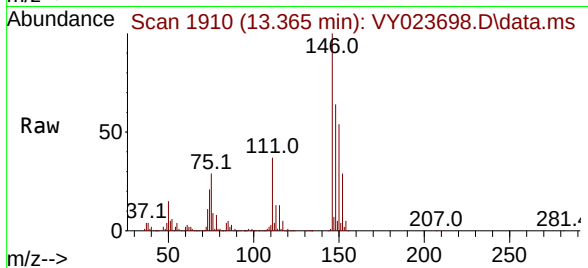
Acq: 06 Nov 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

HW1025-PT-VOA-SOILD



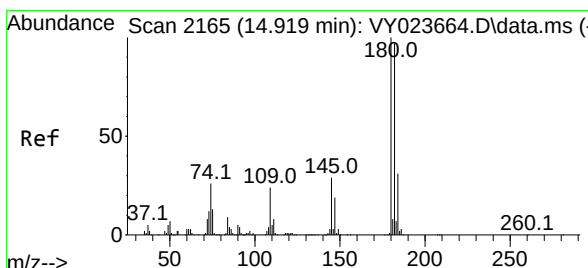
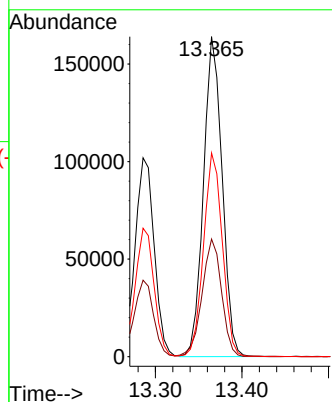
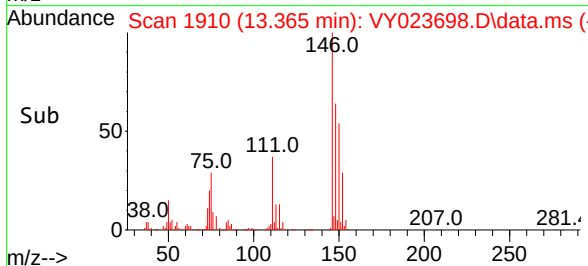
Tgt Ion:146 Resp: 245531

Ion Ratio Lower Upper

146 100

111 38.5 18.3 54.8

148 64.2 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 33.041 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023698.D

Acq: 06 Nov 2025 11:40

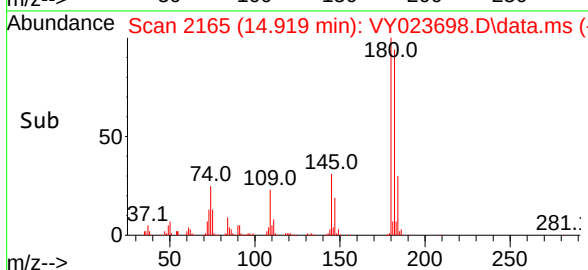
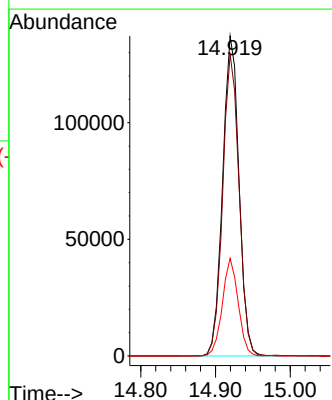
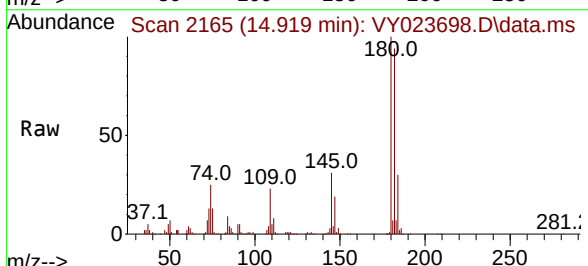
Tgt Ion:180 Resp: 208316

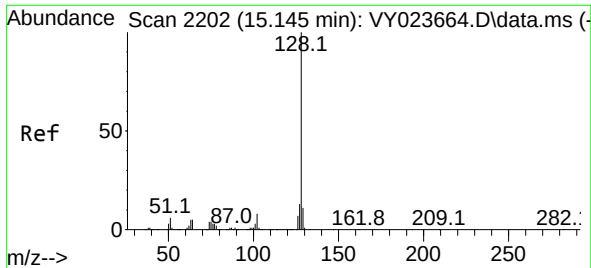
Ion Ratio Lower Upper

180 100

182 94.2 47.5 142.6

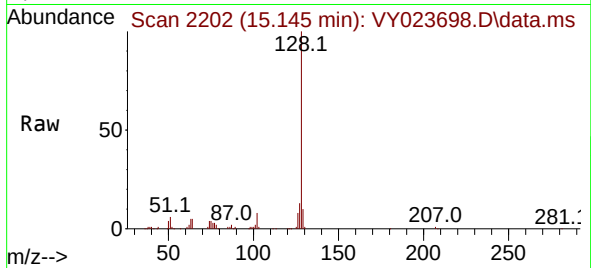
145 29.6 14.4 43.4



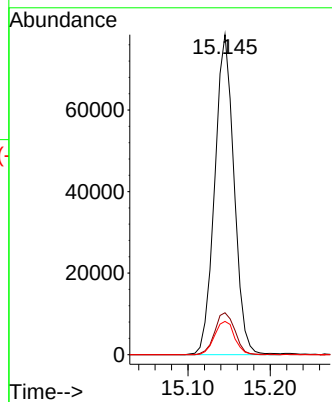
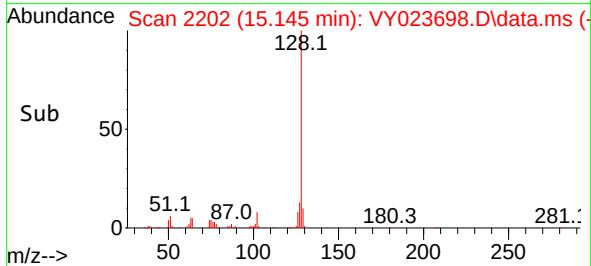


#95
Naphthalene
Concen: 15.660 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023698.D
Acq: 06 Nov 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
HW1025-PT-VOA-SOILD



Tgt Ion:128 Resp: 128093
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 10.8 8.8 13.2





CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3483</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>11/04/2025</u> <u>11/04/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>09:19</u> <u>11:27</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:		RRF005 = VY023661.D		RRF010 = VY023662.D		RRF020 = VY023663.D			
		RRF050 = VY023664.D		RRF100 = VY023665.D		RRF150 = VY023666.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.391	0.380	0.373	0.275	0.284	0.266	0.328	17.9	
Chloromethane	0.537	0.510	0.489	0.413	0.424	0.382	0.459	13.4	
Vinyl Chloride	0.680	0.662	0.633	0.547	0.556	0.508	0.598	11.7	
Ethyl Acetate	0.158	0.151	0.161	0.155	0.173	0.172	0.162	5.6	
Isopropyl Acetate	0.280	0.267	0.306	0.295	0.336	0.338	0.304	9.6	
Bromomethane	0.587	0.555	0.530	0.443	0.464	0.437	0.503	12.5	
Chloroethane	0.458	0.455	0.432	0.386	0.393	0.354	0.413	10.1	
Tetrahydrofuran	0.061	0.059	0.068	0.062	0.072	0.070	0.065	8.6	
Trichlorofluoromethane	0.937	0.908	0.887	0.780	0.782	0.756	0.842	9.2	
1,1,2-Trichlorotrifluoroethane	0.519	0.506	0.471	0.433	0.439	0.414	0.464	9.1	
Tert butyl alcohol	0.035	0.027	0.027	0.023	0.026	0.027	0.028	15.1	
Diethyl Ether	0.232	0.228	0.232	0.212	0.230	0.219	0.226	3.6	
1,1-Dichloroethene	0.476	0.462	0.462	0.421	0.441	0.419	0.447	5.2	
Acrolein	0.041	0.036	0.039	0.030	0.034	0.033	0.035	12	
Acrylonitrile	0.087	0.079	0.090	0.081	0.092	0.089	0.086	5.8	
Acetone	0.115	0.106	0.115	0.094	0.105	0.102	0.106	7.4	
Carbon Disulfide	1.479	1.468	1.424	1.288	1.330	1.237	1.371	7.3	
Methyl tert-butyl Ether	0.980	0.945	1.059	1.008	1.132	1.091	1.036	6.8	
Methyl Acetate	0.221	0.206	0.292	0.210	0.256	0.218	0.234	14.4	
Methylene Chloride	0.652	0.532	0.515	0.460	0.476	0.436	0.512	15.1	
trans-1,2-Dichloroethene	0.512	0.515	0.519	0.487	0.510	0.479	0.504	3.3	
Vinyl Acetate	0.585	0.589	0.631	0.652	0.716	0.706	0.647	8.7	
1,1-Dichloroethane	0.855	0.818	0.822	0.775	0.813	0.760	0.807	4.3	
Cyclohexane	0.789	0.719	0.692	0.662	0.695	0.660	0.703	6.8	
2-Butanone	0.128	0.113	0.130	0.111	0.127	0.127	0.123	6.8	
Carbon Tetrachloride	0.516	0.491	0.501	0.477	0.494	0.473	0.492	3.2	
2,2-Dichloropropane	0.799	0.758	0.742	0.709	0.739	0.708	0.742	4.6	
cis-1,2-Dichloroethene	0.571	0.582	0.574	0.560	0.599	0.564	0.575	2.4	
Bromochloromethane	0.317	0.329	0.329	0.290	0.311	0.279	0.309	6.7	
Chloroform	0.957	0.934	0.919	0.863	0.898	0.833	0.901	5.1	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ALLI03
 Lab Code: ACE SDG No.: Q3483
 Instrument ID: MSVOA_Y Calibration Date(s): 11/04/2025 11/04/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:19 11:27
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY023661.D		RRF010 = VY023662.D		RRF020 = VY023663.D			
		RRF050 = VY023664.D		RRF100 = VY023665.D		RRF150 = VY023666.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
1,1,1-Trichloroethane	0.852	0.833	0.820	0.769	0.803	0.753	0.805	4.7	
Methylcyclohexane	0.499	0.495	0.536	0.539	0.569	0.563	0.534	5.8	
1,1-Dichloropropene	0.426	0.416	0.427	0.409	0.422	0.405	0.418	2.1	
Benzene	1.323	1.322	1.355	1.287	1.345	1.265	1.316	2.6	
1,2-Dichloroethane	0.343	0.331	0.344	0.321	0.339	0.320	0.333	3.3	
Trichloroethene	0.398	0.383	0.387	0.366	0.377	0.358	0.378	3.8	
1,2-Dichloropropane	0.294	0.285	0.300	0.284	0.297	0.283	0.290	2.6	
Dibromomethane	0.183	0.172	0.191	0.173	0.185	0.176	0.180	4.2	
Bromodichloromethane	0.456	0.442	0.471	0.444	0.469	0.441	0.454	3	
4-Methyl-2-Pentanone	0.143	0.136	0.170	0.158	0.181	0.180	0.162	11.8	
Methyl methacrylate	0.119	0.117	0.146	0.146	0.165	0.169	0.143	15.3	
Toluene	0.761	0.813	0.874	0.854	0.898	0.842	0.840	5.7	
t-1,3-Dichloropropene	0.346	0.349	0.389	0.387	0.426	0.407	0.384	8.2	
cis-1,3-Dichloropropene	0.419	0.434	0.475	0.463	0.495	0.474	0.460	6.1	
1,1,2-Trichloroethane	0.244	0.230	0.250	0.234	0.249	0.236	0.241	3.5	
1,3-Dichloropropane	0.375	0.363	0.401	0.376	0.399	0.376	0.381	3.9	
2-Chloroethyl Vinyl ether	0.094	0.097	0.119	0.127	0.146	0.146	0.122	18.7	
2-Hexanone	0.101	0.099	0.127	0.115	0.132	0.133	0.118	12.9	
Dibromochloromethane	0.325	0.314	0.342	0.326	0.347	0.329	0.330	3.7	
1,2-Dibromoethane	0.221	0.208	0.240	0.222	0.238	0.226	0.226	5.3	
Tetrachloroethene	0.554	0.549	0.545	0.512	0.500	0.462	0.520	6.9	
Chlorobenzene	1.096	1.095	1.109	1.067	1.107	1.057	1.089	2	
1,1,1,2-Tetrachloroethane	0.396	0.380	0.387	0.377	0.394	0.376	0.385	2.3	
Hexachloroethane	0.657	0.656	0.632	0.639	0.664	0.648	0.649	1.8	
Ethyl Benzene	1.589	1.661	1.787	1.807	1.908	1.819	1.762	6.6	
m/p-Xylenes	0.618	0.671	0.722	0.727	0.757	0.727	0.704	7.1	
o-Xylene	0.562	0.600	0.659	0.674	0.717	0.691	0.651	9	
Styrene	0.903	0.979	1.110	1.121	1.184	1.145	1.074	10.1	
Bromoform	0.222	0.209	0.230	0.219	0.238	0.231	0.225	4.5	
Isopropylbenzene	2.940	3.203	3.298	3.461	3.641	3.521	3.344	7.6	

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3483</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>11/04/2025</u> <u>11/04/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>09:19</u> <u>11:27</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:	RRF005 = VY023661.D		RRF010 = VY023662.D		RRF020 = VY023663.D		RRF050 = VY023664.D		RRF100 = VY023665.D		RRF150 = VY023666.D	
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
1,1,2,2-Tetrachloroethane	0.553	0.494	0.522	0.503	0.569	0.564	0.534	6				
1,2,3-Trichloropropane	0.403	0.453	0.410	0.373	0.397	0.391	0.405	6.6				
Bromobenzene	0.837	0.855	0.850	0.862	0.915	0.885	0.867	3.2				
n-propylbenzene	3.526	3.781	3.927	4.085	4.205	4.076	3.934	6.3				
2-Chlorotoluene	2.100	2.244	2.288	2.325	2.407	2.332	2.283	4.6				
1,3,5-Trimethylbenzene	2.330	2.604	2.734	2.834	2.943	2.857	2.717	8.2				
4-Chlorotoluene	2.193	2.325	2.382	2.387	2.455	2.383	2.354	3.8				
tert-Butylbenzene	2.172	2.326	2.402	2.558	2.717	2.674	2.475	8.6				
1,2,4-Trimethylbenzene	2.248	2.601	2.701	2.819	2.931	2.846	2.691	9.1				
sec-Butylbenzene	3.176	3.473	3.539	3.675	3.830	3.722	3.569	6.5				
p-Isopropyltoluene	2.577	2.830	3.007	3.166	3.291	3.258	3.022	9.2				
1,3-Dichlorobenzene	1.680	1.703	1.714	1.694	1.744	1.709	1.707	1.3				
1,4-Dichlorobenzene	1.752	1.685	1.666	1.652	1.679	1.630	1.677	2.5				
n-Butylbenzene	2.293	2.441	2.557	2.752	2.877	2.844	2.627	8.9				
1,2-Dichlorobenzene	1.468	1.467	1.488	1.454	1.494	1.457	1.471	1.1				
1,2-Dibromo-3-Chloropropane	0.085	0.076	0.083	0.076	0.086	0.086	0.082	5.7				
1,2,4-Trichlorobenzene	0.738	0.747	0.835	0.853	0.933	0.944	0.842	10.5				
Hexachlorobutadiene	0.561	0.551	0.538	0.552	0.560	0.546	0.551	1.6				
Naphthalene	0.956	0.948	1.187	1.298	1.546	1.610	1.257	22.5				
1,2,3-Trichlorobenzene	0.619	0.611	0.698	0.717	0.782	0.791	0.703	10.9				
1,2-Dichloroethane-d4	0.468	0.425	0.426	0.407	0.425	0.407	0.427	5.3				
Dibromofluoromethane	0.312	0.316	0.312	0.310	0.318	0.308	0.312	1.2				
Toluene-d8	1.109	1.148	1.155	1.189	1.224	1.159	1.164	3.3				
4-Bromofluorobenzene	0.354	0.354	0.379	0.388	0.400	0.385	0.376	5				
N-amyl acetate	0.455	0.481	0.523	0.577	0.663	0.698	0.566	17.4				
Methyl Iodide	0.491	0.546	0.558	0.573	0.585	0.533	0.548	6.1				
Allyl chloride	0.530	0.534	0.549	0.527	0.577	0.545	0.544	3.4				
trans-1,4-Dichloro-2-butene	0.173	0.169	0.172	0.172	0.192	0.196	0.179	6.6				
Methacrylonitrile	0.083	0.079	0.086	0.084	0.098	0.100	0.088	9.7				
Diisopropyl ether	1.097	1.167	1.263	1.222	1.305	1.215	1.212	6				

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



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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ALLI03
 Lab Code: ACE SDG No.: Q3483
 Instrument ID: MSVOA_Y Calibration Date(s): 11/04/2025 11/04/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:19 11:27
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:								
RRF005 = VY023661.D			RRF010 = VY023662.D			RRF020 = VY023663.D		
RRF050 = VY023664.D			RRF100 = VY023665.D			RRF150 = VY023666.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
1,4-Dioxane	1.791	1.574	1.861	1.800	1.992	2.033	1.842	8.9

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y110425S.M
 Title : SW846 8260
 Last Update : Wed Nov 05 04:41:50 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY023661.D 10 =VY023662.D 20 =VY023663.D 50 =VY023664.D 100 =VY023665.D 150 =VY023666.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.391	0.380	0.373	0.275	0.284	0.266	0.328	17.90
3) P	Chloromethane	0.537	0.510	0.489	0.413	0.424	0.382	0.459	13.38
4) C	Vinyl Chloride	0.680	0.662	0.633	0.547	0.556	0.508	0.598	11.68#
5) T	Bromomethane	0.587	0.555	0.530	0.443	0.464	0.437	0.503	12.53
6) T	Chloroethane	0.458	0.455	0.432	0.386	0.393	0.354	0.413	10.08
7) T	Trichlorofluor...	0.937	0.908	0.887	0.780	0.782	0.756	0.842	9.25
8) T	Diethyl Ether	0.232	0.228	0.232	0.212	0.230	0.219	0.226	3.58
9) T	1,1,2-Trichlor...	0.519	0.506	0.471	0.433	0.439	0.414	0.464	9.09
10) T	Methyl Iodide	0.491	0.546	0.558	0.573	0.585	0.533	0.548	6.10
11) T	Tert butyl alc...	0.035	0.027	0.027	0.023	0.026	0.027	0.028	15.05
12) CM	1,1-Dichloroet...	0.476	0.462	0.462	0.421	0.441	0.419	0.447	5.23#
13) T	Acrolein	0.041	0.036	0.039	0.030	0.034	0.033	0.035	12.04
14) T	Allyl chloride	0.530	0.534	0.549	0.527	0.577	0.545	0.544	3.38
15) T	Acrylonitrile	0.087	0.079	0.090	0.081	0.092	0.089	0.086	5.76
16) T	Acetone	0.115	0.106	0.115	0.094	0.105	0.102	0.106	7.41
17) T	Carbon Disulfide	1.479	1.468	1.424	1.288	1.330	1.237	1.371	7.32
18) T	Methyl Acetate	0.221	0.206	0.292	0.210	0.256	0.218	0.234	14.40
19) T	Methyl tert-bu...	0.980	0.945	1.059	1.008	1.132	1.091	1.036	6.81
20) T	Methylene Chlo...	0.652	0.532	0.515	0.460	0.476	0.436	0.512	15.09
21) T	trans-1,2-Dich...	0.512	0.515	0.519	0.487	0.510	0.479	0.504	3.29
22) T	Diisopropyl ether	1.097	1.167	1.263	1.222	1.305	1.215	1.212	6.04
23) T	Vinyl Acetate	0.585	0.589	0.631	0.652	0.716	0.706	0.647	8.69
24) P	1,1-Dichloroet...	0.855	0.818	0.822	0.775	0.813	0.760	0.807	4.27
25) T	2-Butanone	0.128	0.113	0.130	0.111	0.127	0.127	0.123	6.79
26) T	2,2-Dichloropr...	0.799	0.758	0.742	0.709	0.739	0.708	0.742	4.56
27) T	cis-1,2-Dichlo...	0.571	0.582	0.574	0.560	0.599	0.564	0.575	2.42
28) T	Bromochloromet...	0.317	0.329	0.329	0.290	0.311	0.279	0.309	6.68
29) T	Tetrahydrofuran	0.061	0.059	0.068	0.062	0.072	0.070	0.065	8.58
30) C	Chloroform	0.957	0.934	0.919	0.863	0.898	0.833	0.901	5.14#
31) T	Cyclohexane	0.789	0.719	0.692	0.662	0.695	0.660	0.703	6.77
32) T	1,1,1-Trichlor...	0.852	0.833	0.820	0.769	0.803	0.753	0.805	4.72
33) S	1,2-Dichloroet...	0.468	0.425	0.426	0.407	0.425	0.407	0.427	5.27
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.312	0.316	0.312	0.310	0.318	0.308	0.312	1.23
36) T	1,1-Dichloropr...	0.426	0.416	0.427	0.409	0.422	0.405	0.418	2.15
37) T	Ethyl Acetate	0.158	0.151	0.161	0.155	0.173	0.172	0.162	5.64
38) T	Carbon Tetrach...	0.516	0.491	0.501	0.477	0.494	0.473	0.492	3.21
39) T	Methylcyclohexane	0.499	0.495	0.536	0.539	0.569	0.563	0.534	5.79
40) TM	Benzene	1.323	1.322	1.355	1.287	1.345	1.265	1.316	2.60
41) T	Methacrylonitrile	0.083	0.079	0.086	0.084	0.098	0.100	0.088	9.67
42) TM	1,2-Dichloroet...	0.343	0.331	0.344	0.321	0.339	0.320	0.333	3.29
43) T	Isopropyl Acetate	0.280	0.267	0.306	0.295	0.336	0.338	0.304	9.59
44) TM	Trichloroethene	0.398	0.383	0.387	0.366	0.377	0.358	0.378	3.81
45) C	1,2-Dichloropr...	0.294	0.285	0.300	0.284	0.297	0.283	0.290	2.56#
46) T	Dibromomethane	0.183	0.172	0.191	0.173	0.185	0.176	0.180	4.19
47) T	Bromodichlorom...	0.456	0.442	0.471	0.444	0.469	0.441	0.454	3.01
48) T	Methyl methacr...	0.119	0.117	0.146	0.146	0.165	0.169	0.143	15.27
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.93
50) S	Toluene-d8	1.109	1.148	1.155	1.189	1.224	1.159	1.164	3.34
51) T	4-Methyl-2-Pen...	0.143	0.136	0.170	0.158	0.181	0.180	0.162	11.80
52) CM	Toluene	0.761	0.813	0.874	0.854	0.898	0.842	0.840	5.74#
53) T	t-1,3-Dichloro...	0.346	0.349	0.389	0.387	0.426	0.407	0.384	8.18
54) T	cis-1,3-Dichlo...	0.419	0.434	0.475	0.463	0.495	0.474	0.460	6.13
55) T	1,1,2-Trichlor...	0.244	0.230	0.250	0.234	0.249	0.236	0.241	3.46
56) T	Ethyl methacry...	0.208	0.204	0.261	0.276	0.318	0.323	0.265	19.45

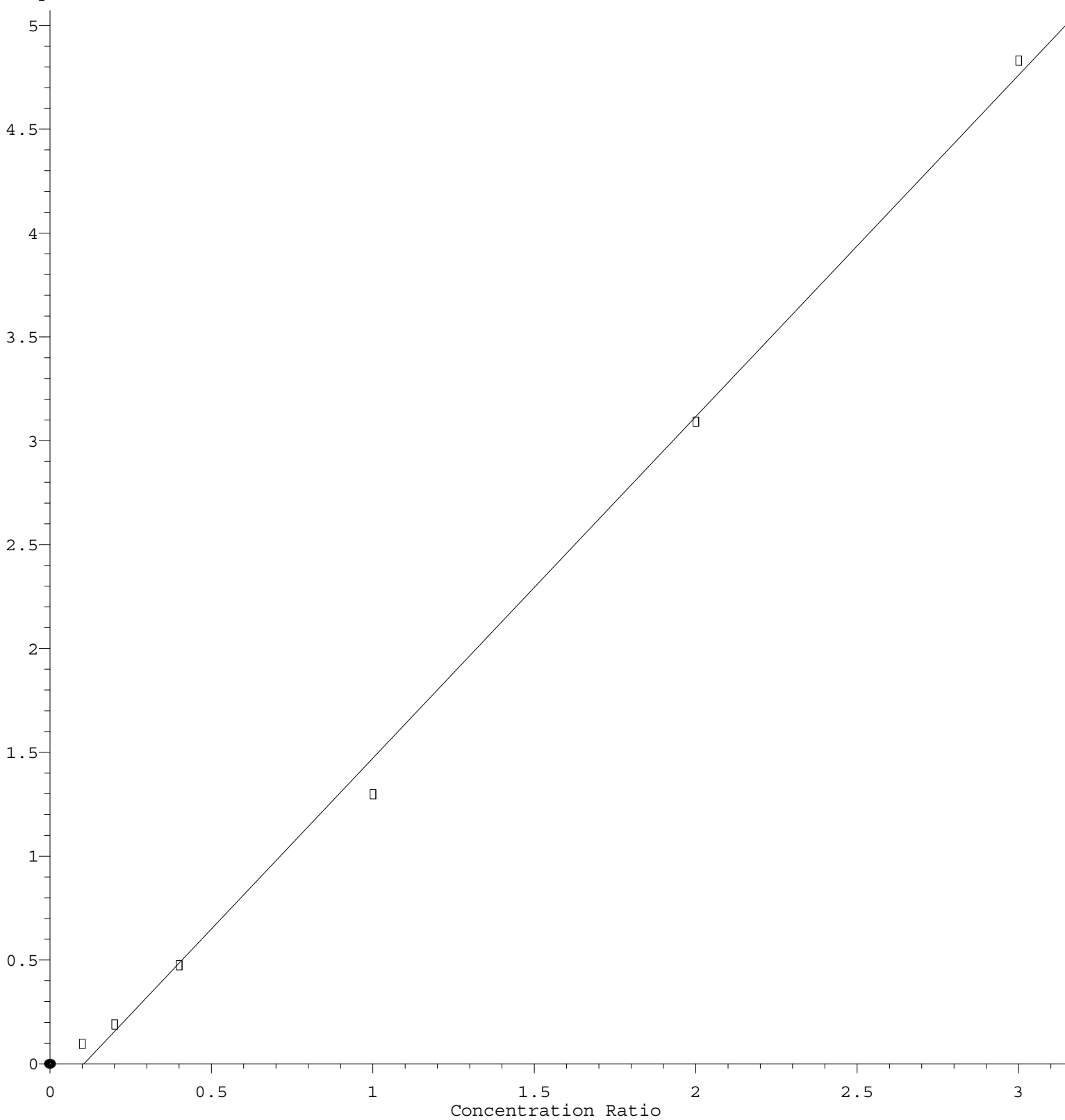
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y110425S.M

57)	T	1,3-Dichloropr...	0.375	0.363	0.401	0.376	0.399	0.376	0.381	3.94
58)	T	2-Chloroethyl ...	0.094	0.097	0.119	0.127	0.146	0.146	0.122	18.71
59)	T	2-Hexanone	0.101	0.099	0.127	0.114	0.132	0.133	0.118	12.88
60)	T	Dibromochlorom...	0.325	0.314	0.342	0.326	0.347	0.329	0.330	3.67
61)	T	1,2-Dibromoethane	0.221	0.208	0.240	0.222	0.238	0.226	0.226	5.28
62)	S	4-Bromofluorob...	0.354	0.354	0.379	0.388	0.400	0.385	0.376	5.04
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.554	0.549	0.545	0.512	0.500	0.462	0.520	6.87
65)	PM	Chlorobenzene	1.096	1.095	1.109	1.067	1.107	1.057	1.088	1.97
66)	T	1,1,1,2-Tetrac...	0.396	0.380	0.387	0.377	0.394	0.376	0.385	2.25
67)	C	Ethyl Benzene	1.589	1.661	1.787	1.807	1.908	1.819	1.762	6.59#
68)	T	m/p-Xylenes	0.618	0.671	0.722	0.727	0.757	0.727	0.704	7.13
69)	T	o-Xylene	0.562	0.600	0.659	0.674	0.717	0.691	0.651	9.02
70)	T	Styrene	0.903	0.979	1.110	1.121	1.184	1.145	1.074	10.12
71)	P	Bromoform	0.222	0.209	0.230	0.219	0.238	0.231	0.225	4.47
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.940	3.203	3.298	3.461	3.641	3.521	3.344	7.55
74)	T	N-amyl acetate	0.455	0.481	0.523	0.577	0.663	0.698	0.566	17.36
75)	P	1,1,2,2-Tetrac...	0.553	0.494	0.522	0.503	0.569	0.564	0.534	6.05
76)	T	1,2,3-Trichlor...	0.403	0.453	0.410	0.373	0.397	0.391	0.405	6.62
77)	T	Bromobenzene	0.837	0.855	0.850	0.862	0.915	0.885	0.867	3.25
78)	T	n-propylbenzene	3.526	3.781	3.927	4.085	4.205	4.076	3.933	6.30
79)	T	2-Chlorotoluene	2.100	2.244	2.288	2.325	2.407	2.332	2.283	4.58
80)	T	1,3,5-Trimethy...	2.330	2.604	2.734	2.834	2.943	2.857	2.717	8.18
81)	T	trans-1,4-Dich...	0.173	0.169	0.172	0.172	0.192	0.196	0.179	6.63
82)	T	4-Chlorotoluene	2.193	2.325	2.382	2.387	2.455	2.383	2.354	3.79
83)	T	tert-Butylbenzene	2.172	2.326	2.402	2.558	2.717	2.674	2.475	8.56
84)	T	1,2,4-Trimethy...	2.248	2.601	2.701	2.819	2.931	2.846	2.691	9.13
85)	T	sec-Butylbenzene	3.176	3.473	3.539	3.675	3.830	3.722	3.569	6.47
86)	T	p-Isopropyltol...	2.577	2.830	3.007	3.166	3.291	3.258	3.022	9.17
87)	T	1,3-Dichlorobe...	1.680	1.703	1.714	1.694	1.744	1.709	1.707	1.28
88)	T	1,4-Dichlorobe...	1.752	1.685	1.666	1.652	1.679	1.630	1.677	2.49
89)	T	n-Butylbenzene	2.293	2.441	2.557	2.752	2.877	2.844	2.627	8.95
90)	T	Hexachloroethane	0.657	0.656	0.632	0.639	0.664	0.648	0.649	1.85
91)	T	1,2-Dichlorobe...	1.468	1.467	1.488	1.454	1.494	1.457	1.471	1.12
92)	T	1,2-Dibromo-3-...	0.085	0.076	0.083	0.076	0.086	0.086	0.082	5.72
93)	T	1,2,4-Trichlor...	0.738	0.747	0.835	0.853	0.933	0.944	0.842	10.46
94)	T	Hexachlorobuta...	0.561	0.551	0.538	0.552	0.560	0.546	0.551	1.58
95)	T	Naphthalene	0.956	0.948	1.187	1.298	1.546	1.610	1.257	22.51
96)	T	1,2,3-Trichlor...	0.619	0.611	0.698	0.717	0.782	0.791	0.703	10.93

(#) = Out of Range

Naphthalene

Response Ratio



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023661.D
 Acq On : 04 Nov 2025 09:19
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Nov 05 04:24:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	510707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	780075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	667589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	326953	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	23922	5.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.980%#
35) Dibromofluoromethane	7.640	113	24311	4.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.980%#
50) Toluene-d8	10.109	98	86542	4.766	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.540%#
62) 4-Bromofluorobenzene	12.402	95	27590	4.698	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.400%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	19990	5.963	ug/l	97
3) Chloromethane	2.074	50	27439	5.849	ug/l	91
4) Vinyl Chloride	2.208	62	34731	5.689	ug/l	99
5) Bromomethane	2.599	94	29962	5.835	ug/l	98
6) Chloroethane	2.739	64	23388	5.543	ug/l	97
7) Trichlorofluoromethane	3.062	101	47868	5.568	ug/l	95
8) Diethyl Ether	3.464	74	11851	5.140	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	26531	5.601	ug/l	99
10) Methyl Iodide	4.007	142	25054	4.479	ug/l	99
11) Tert butyl alcohol	4.860	59	9027	32.136	ug/l #	74
12) 1,1-Dichloroethene	3.800	96	24289	5.323	ug/l	89
13) Acrolein	3.653	56	10439	28.913	ug/l	98
14) Allyl chloride	4.385	41	27044	4.869	ug/l	99
15) Acrylonitrile	5.068	53	22096	25.078	ug/l	100
16) Acetone	3.867	43	29389	27.140	ug/l	89
17) Carbon Disulfide	4.110	76	75554	5.395	ug/l	96
18) Methyl Acetate	4.391	43	11286	4.725	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	50027	4.728	ug/l	97
20) Methylene Chloride	4.623	84	33305	6.371	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	26157	5.084	ug/l	96
22) Diisopropyl ether	6.025	45	56019	4.527	ug/l	95
23) Vinyl Acetate	5.970	43	149457	22.631	ug/l	97
24) 1,1-Dichloroethane	5.915	63	43679	5.298	ug/l	99
25) 2-Butanone	6.897	43	32720	26.134	ug/l	93
26) 2,2-Dichloropropane	6.884	77	40803	5.380	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	29179	4.966	ug/l	98
28) Bromochloromethane	7.250	49	16184	5.127	ug/l	96
29) Tetrahydrofuran	7.275	42	15473	23.206	ug/l	96
30) Chloroform	7.427	83	48896	5.316	ug/l	93
31) Cyclohexane	7.707	56	40292	5.612	ug/l #	75
32) 1,1,1-Trichloroethane	7.616	97	43512	5.292	ug/l	100
36) 1,1-Dichloropropene	7.835	75	33214	5.099	ug/l	99
37) Ethyl Acetate	6.994	43	12363	4.902	ug/l	96
38) Carbon Tetrachloride	7.823	117	40263	5.246	ug/l	99
39) Methylcyclohexane	9.110	83	38956	4.680	ug/l	95
40) Benzene	8.079	78	103199	5.026	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023661.D
 Acq On : 04 Nov 2025 09:19
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:24:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:24:21 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	6457	4.800	ug/l #	72
42) 1,2-Dichloroethane	8.159	62	26761	5.151	ug/l	99
43) Isopropyl Acetate	8.195	43	21814	4.604	ug/l	96
44) Trichloroethene	8.866	130	31010	5.258	ug/l	88
45) 1,2-Dichloropropane	9.140	63	22961	5.067	ug/l	93
46) Dibromomethane	9.238	93	14269	5.082	ug/l	99
47) Bromodichloromethane	9.427	83	35539	5.020	ug/l	95
48) Methyl methacrylate	9.225	41	9263	4.138	ug/l	94
49) 1,4-Dioxane	9.225	88	2794	97.232	ug/l #	87
51) 4-Methyl-2-Pentanone	10.000	43	55920	22.192	ug/l	96
52) Toluene	10.170	92	59389	4.530	ug/l	95
53) t-1,3-Dichloropropene	10.396	75	27017	4.510	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	32719	4.559	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	19045	5.075	ug/l	98
56) Ethyl methacrylate	10.439	69	16257	3.932	ug/l	95
57) 1,3-Dichloropropane	10.719	76	29234	4.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	36528	19.254	ug/l	100
59) 2-Hexanone	10.762	43	39473	21.472	ug/l	95
60) Dibromochloromethane	10.908	129	25371	4.921	ug/l	98
61) 1,2-Dibromoethane	11.018	107	17256	4.900	ug/l	99
64) Tetrachloroethene	10.646	164	36969	5.320	ug/l	98
65) Chlorobenzene	11.438	112	73160	5.034	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	26429	5.143	ug/l	99
67) Ethyl Benzene	11.518	91	106047	4.508	ug/l	99
68) m/p-Xylenes	11.627	106	82562	8.785	ug/l	99
69) o-Xylene	11.951	106	37501	4.317	ug/l	98
70) Styrene	11.969	104	60258	4.204	ug/l	99
71) Bromoform	12.133	173	14838	4.944	ug/l #	99
73) Isopropylbenzene	12.255	105	96120	4.396	ug/l	99
74) N-amyl acetate	12.066	43	14878	4.019	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	18096	5.181	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	13170m	4.977	ug/l	
77) Bromobenzene	12.530	156	27375	4.826	ug/l	96
78) n-propylbenzene	12.591	91	115286	4.482	ug/l	99
79) 2-Chlorotoluene	12.676	91	68648	4.599	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	76176	4.288	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	5654	4.829	ug/l	95
82) 4-Chlorotoluene	12.774	91	71686	4.657	ug/l	98
83) tert-Butylbenzene	12.993	119	70998	4.388	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	73513	4.177	ug/l	99
85) sec-Butylbenzene	13.176	105	103852	4.450	ug/l	99
86) p-Isopropyltoluene	13.292	119	84269	4.265	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	54916	4.919	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	57281	5.223	ug/l	95
89) n-Butylbenzene	13.615	91	74974	4.364	ug/l	99
90) Hexachloroethane	13.877	117	21483	5.060	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	47997	4.989	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2763	5.138	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	24126	4.384	ug/l	98
94) Hexachlorobutadiene	15.023	225	18339	5.086	ug/l	98
95) Naphthalene	15.145	128	31252	8.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20253	4.405	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023661.D
Acq On : 04 Nov 2025 09:19
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

Quant Time: Nov 05 04:24:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 2025
Response via : Initial Calibration

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

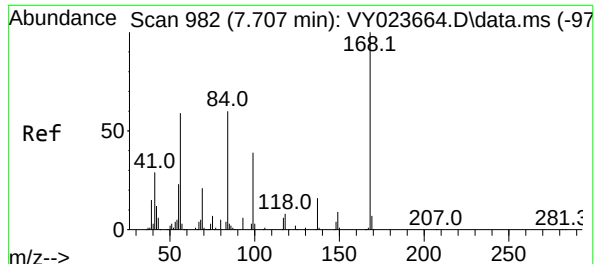
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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





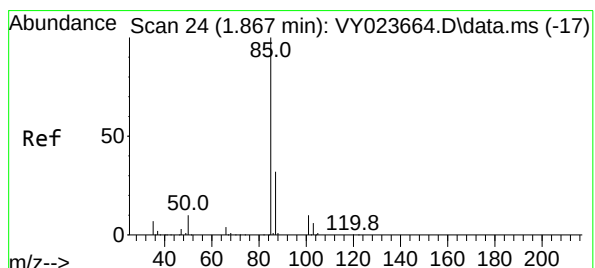
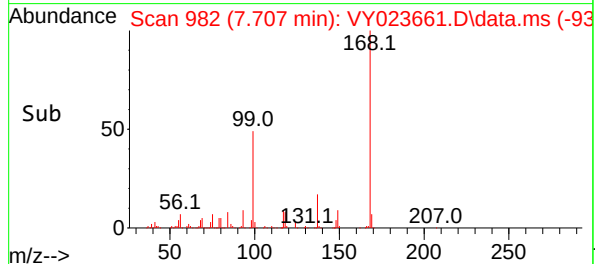
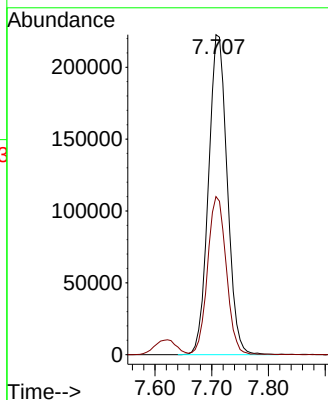
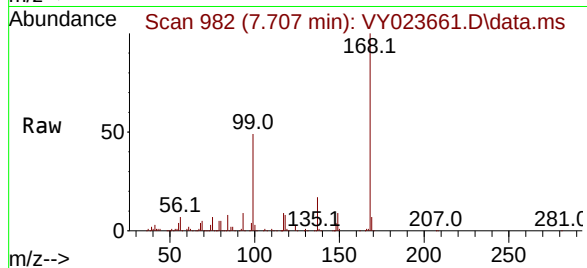
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 51070
Ion Ratio Lower Upper
168 100
99 49.4 41.0 61.4

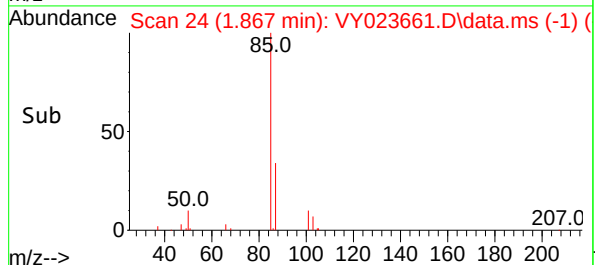
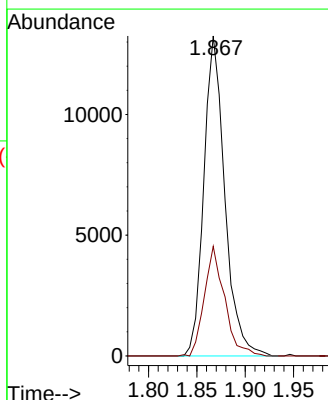
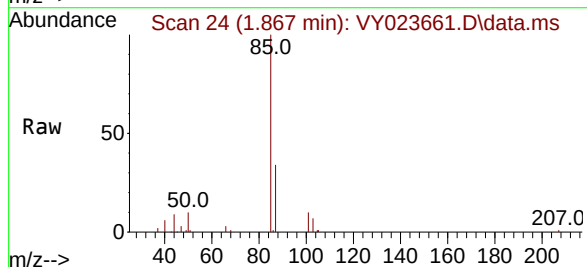
Manual Integrations
APPROVED

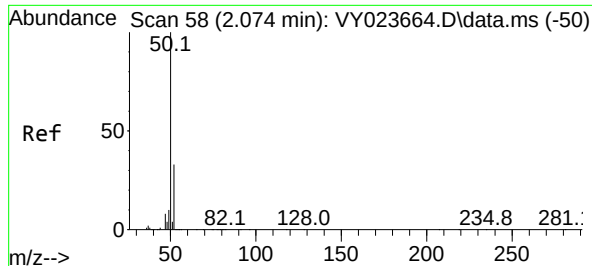
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 5.963 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

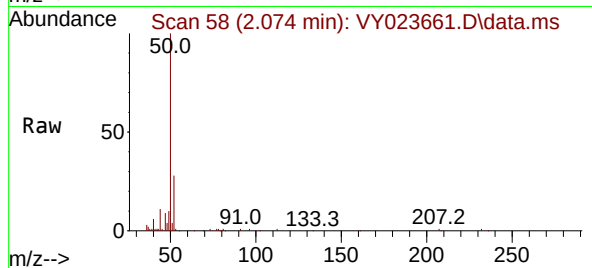
Tgt Ion: 85 Resp: 19990
Ion Ratio Lower Upper
85 100
87 34.2 16.2 48.6





#3
Chloromethane
Concen: 5.849 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

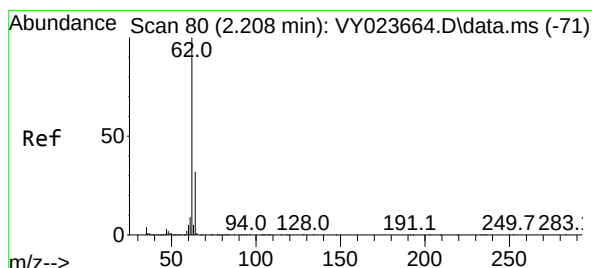
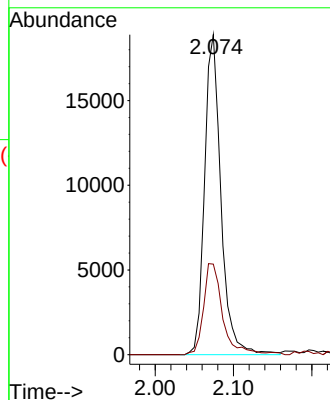
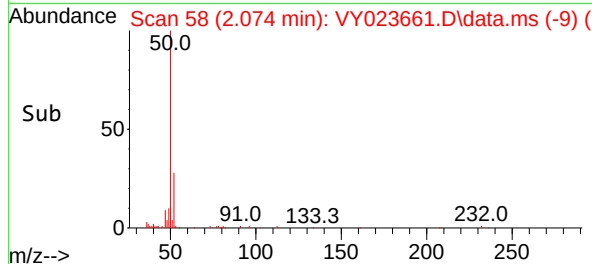
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



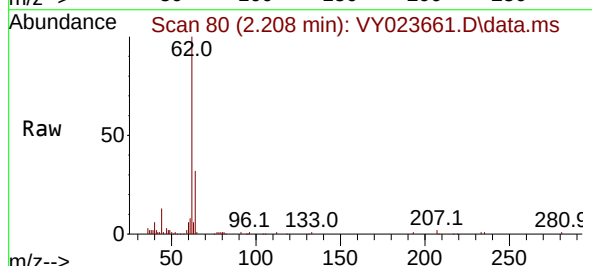
Tgt Ion: 50 Resp: 27439
Ion Ratio Lower Upper
50 100
52 28.3 26.5 39.7

Manual Integrations
APPROVED

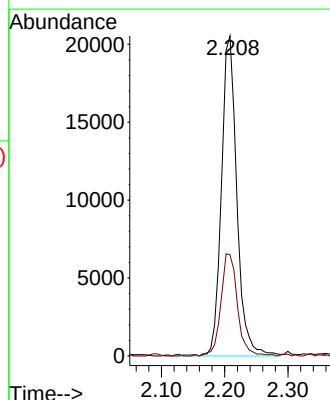
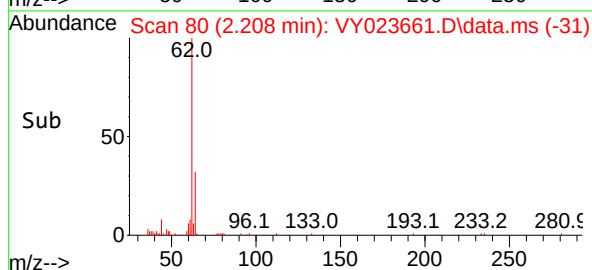
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

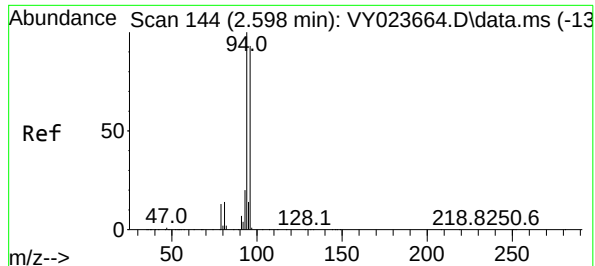


#4
Vinyl Chloride
Concen: 5.689 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



Tgt Ion: 62 Resp: 34731
Ion Ratio Lower Upper
62 100
64 31.3 25.7 38.5





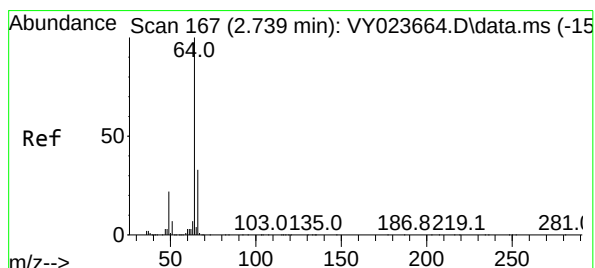
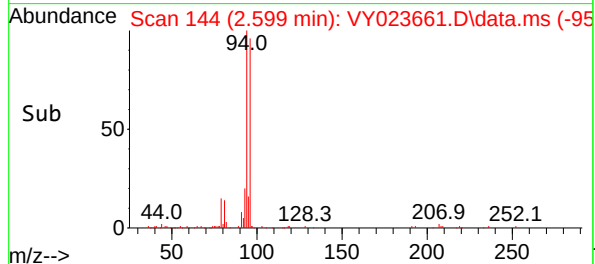
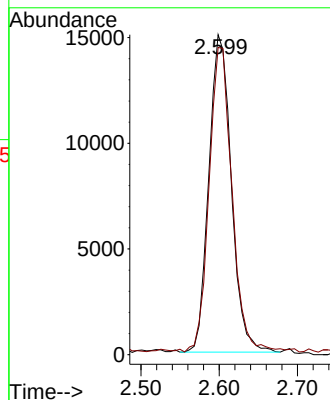
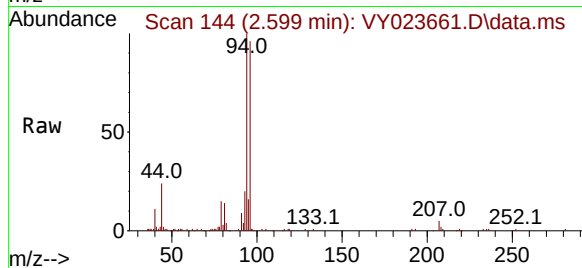
#5
Bromomethane
Concen: 5.835 ug/l
RT: 2.599 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 94 Resp: 29962
Ion Ratio Lower Upper
94 100
96 95.0 74.4 111.6

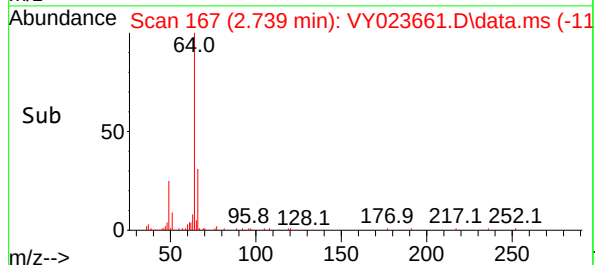
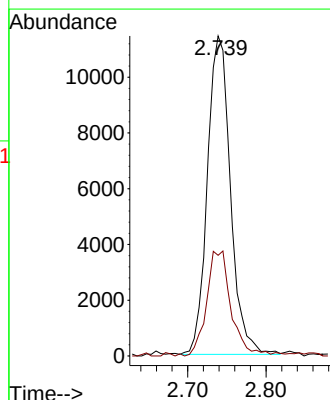
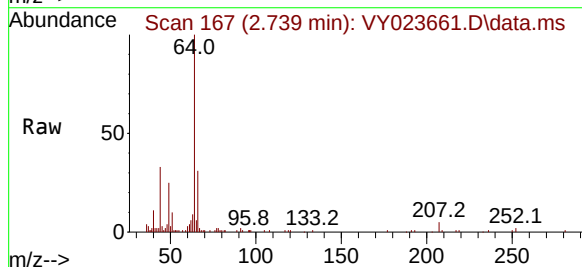
Manual Integrations
APPROVED

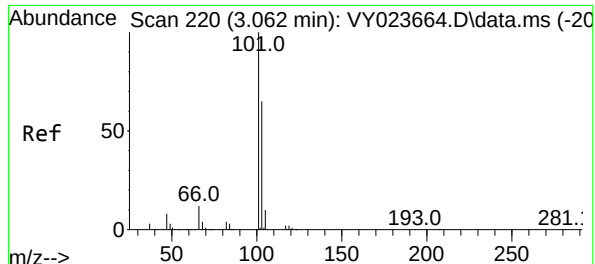
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 5.543 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

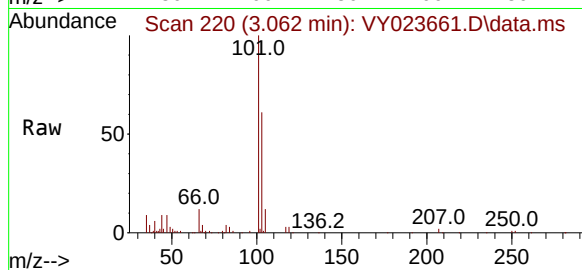
Tgt Ion: 64 Resp: 23388
Ion Ratio Lower Upper
64 100
66 30.9 26.2 39.4





#7
Trichlorofluoromethane
Concen: 5.568 ug/l
RT: 3.062 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

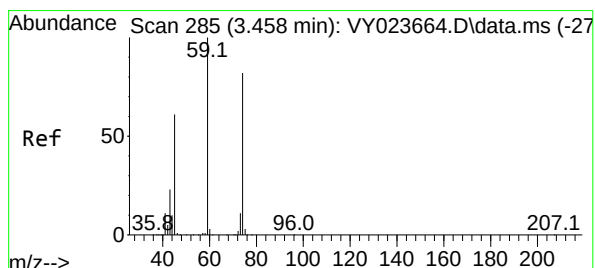
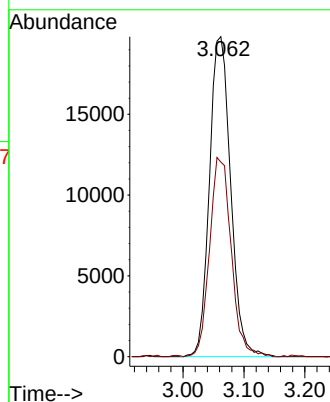
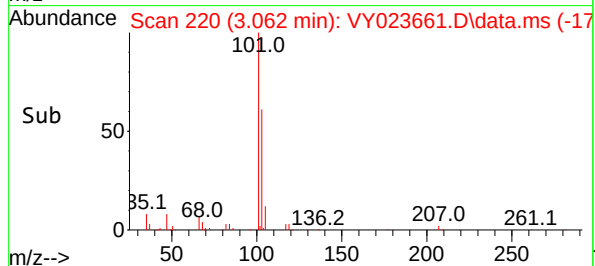
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion:101 Resp: 4786
Ion Ratio Lower Upper
101 100
103 60.8 52.1 78.1

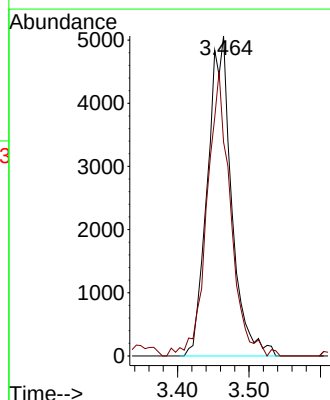
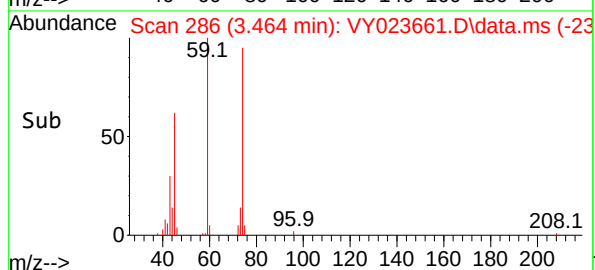
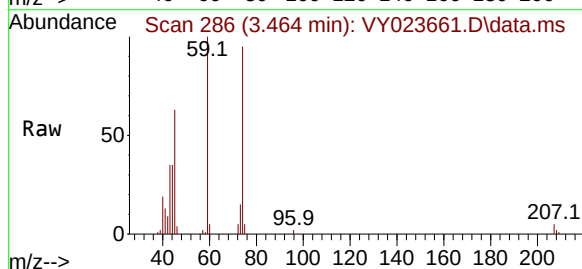
Manual Integrations
APPROVED

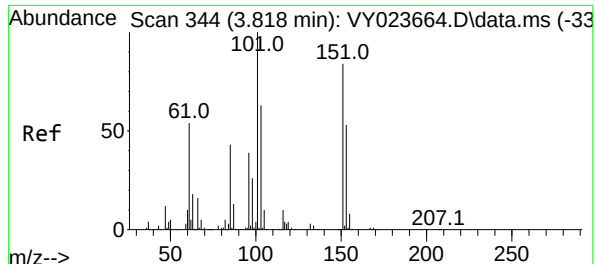
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 5.140 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 74 Resp: 11851
Ion Ratio Lower Upper
74 100
45 86.5 40.6 121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.601 ug/l

RT: 3.824 min Scan# 344

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

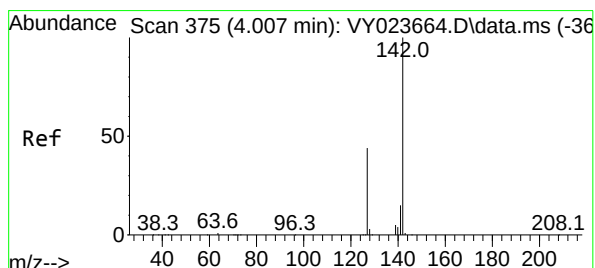
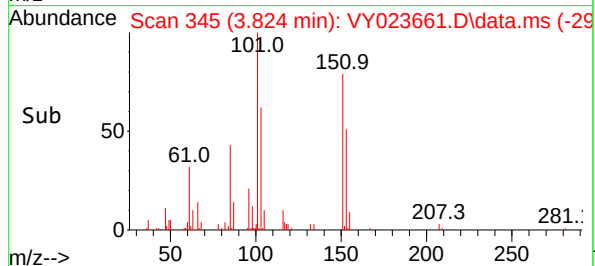
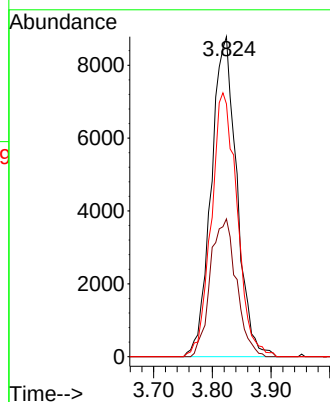
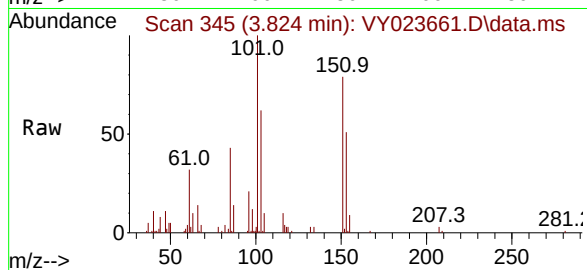
Tgt Ion:	101	Resp:	2653
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.4	51.6
151	83.4	65.6	98.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#10

Methyl Iodide

Concen: 4.479 ug/l

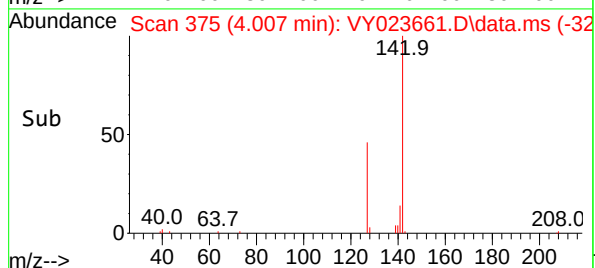
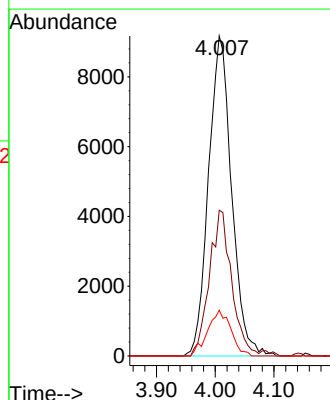
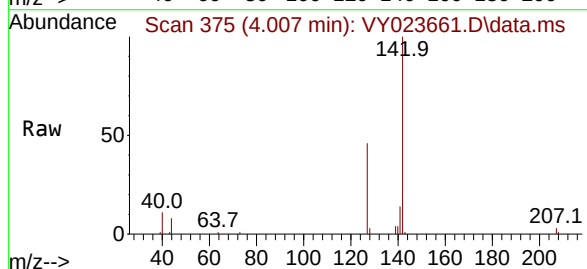
RT: 4.007 min Scan# 375

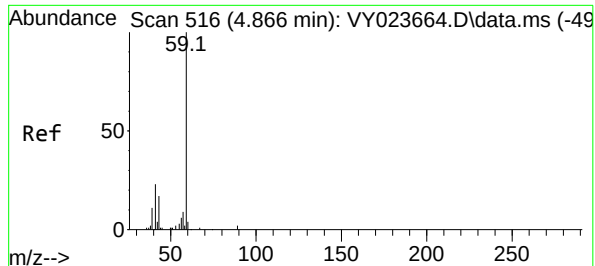
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	142	Resp:	25054
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.6	51.8
141	14.3	11.6	17.4





#11

Tert butyl alcohol

Concen: 32.136 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 902

Ion Ratio Lower Upper

59 100

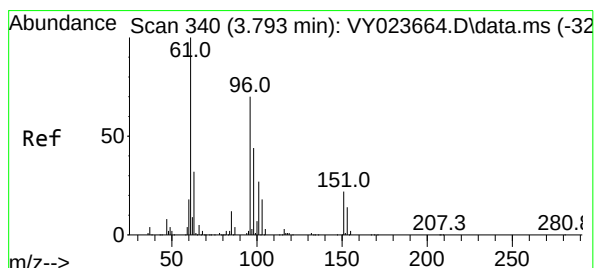
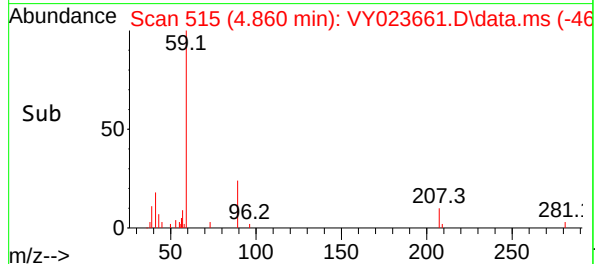
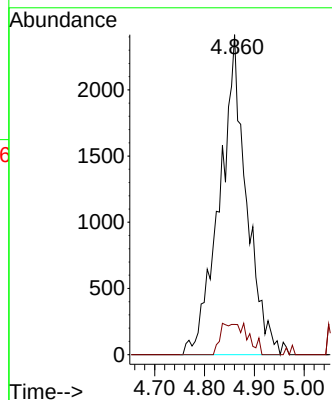
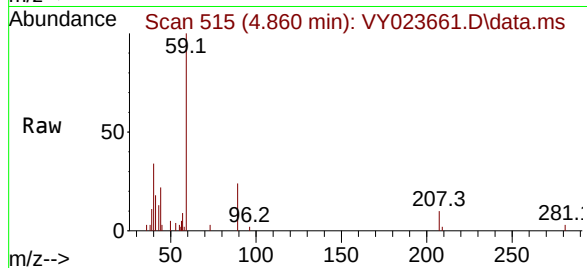
57 0.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 5.323 ug/l

RT: 3.800 min Scan# 341

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

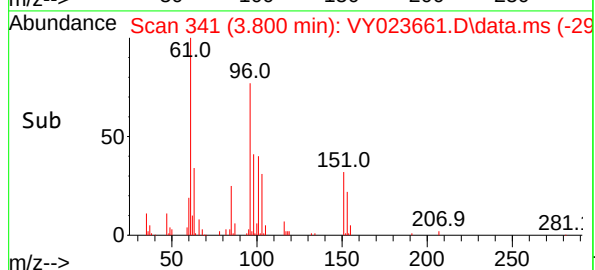
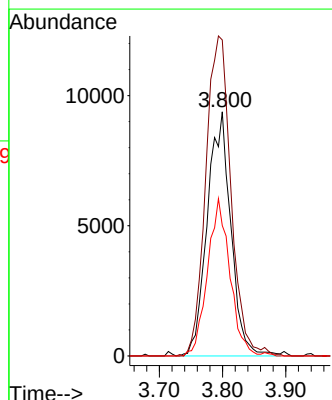
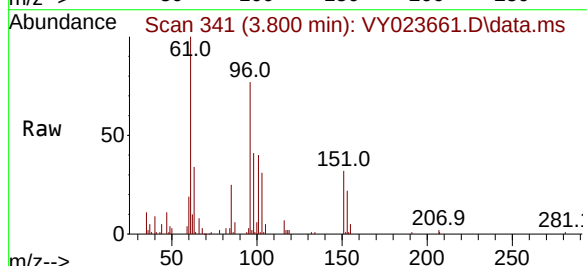
Tgt Ion: 96 Resp: 24289

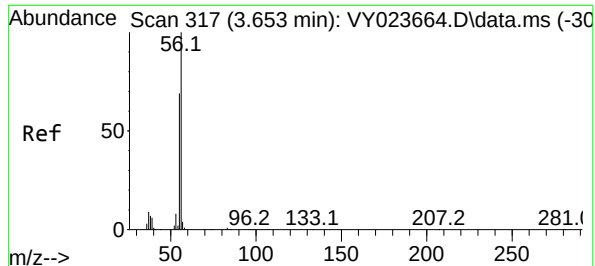
Ion Ratio Lower Upper

96 100

61 128.8 114.0 171.0

98 53.4 50.2 75.2





#13

Acrolein

Concen: 28.913 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 10439

Ion Ratio Lower Upper

56 100

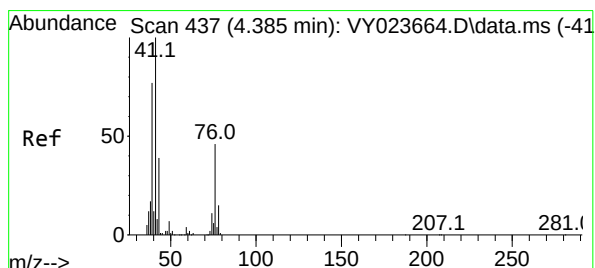
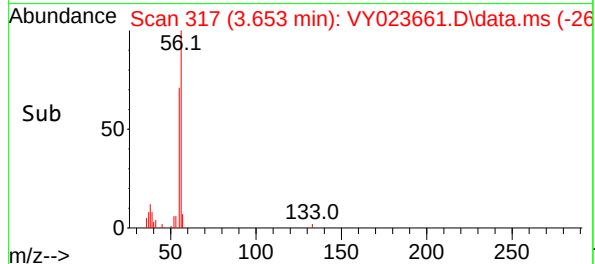
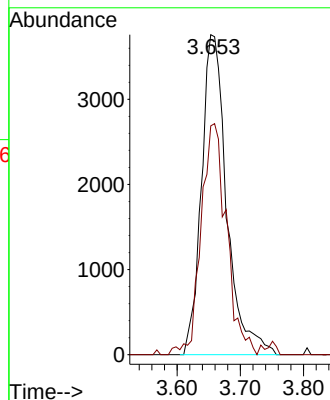
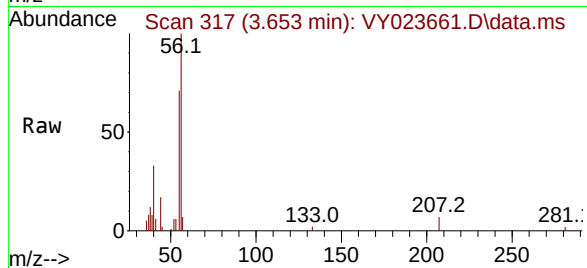
55 72.7 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 4.869 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

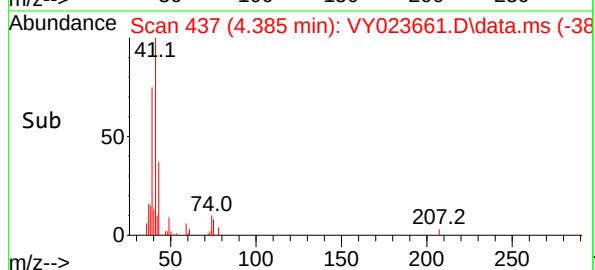
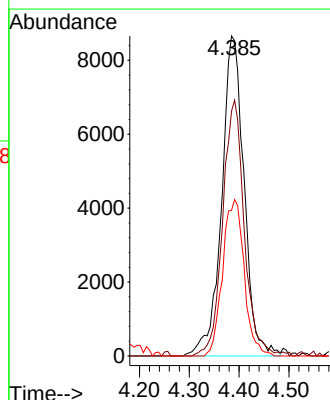
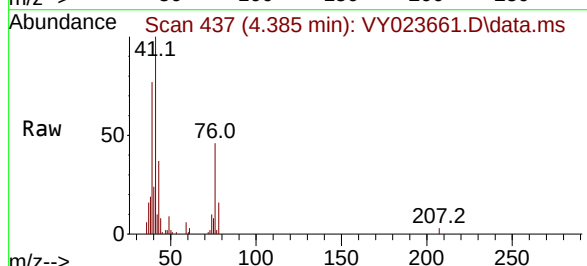
Tgt Ion: 41 Resp: 27044

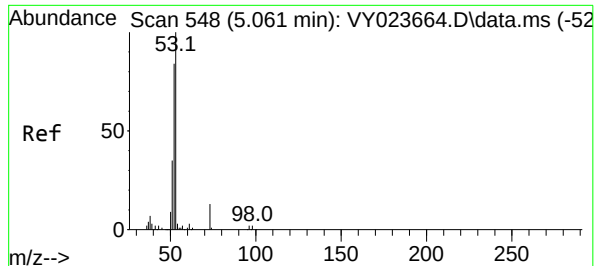
Ion Ratio Lower Upper

41 100

39 76.9 60.4 90.6

76 46.9 38.0 57.0





#15

Acrylonitrile

Concen: 25.078 ug/l

RT: 5.068 min Scan# 548

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

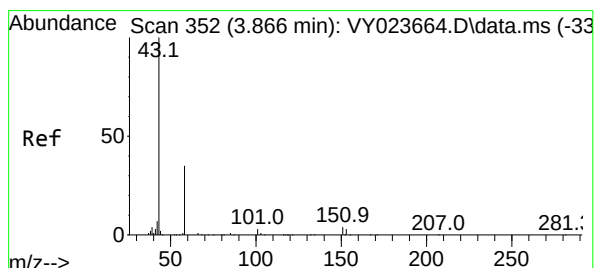
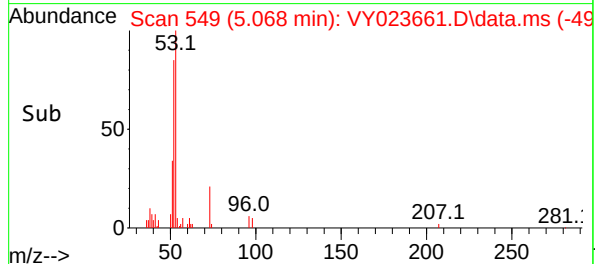
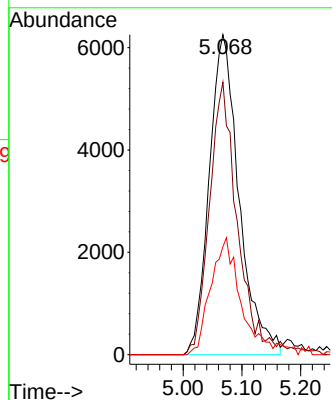
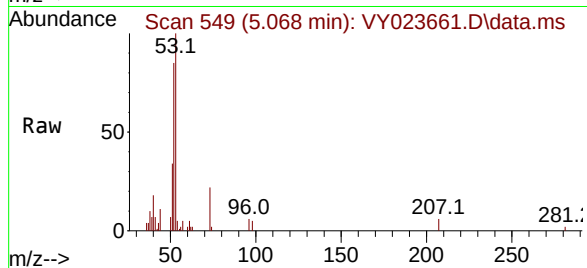
Tgt Ion:	53	Resp:	22090
Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.9	97.3
51	36.3	29.4	44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 27.140 ug/l

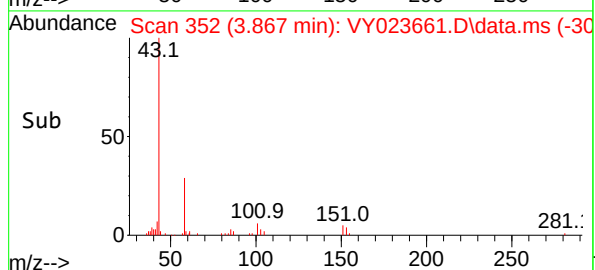
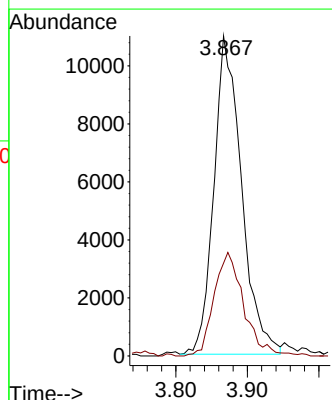
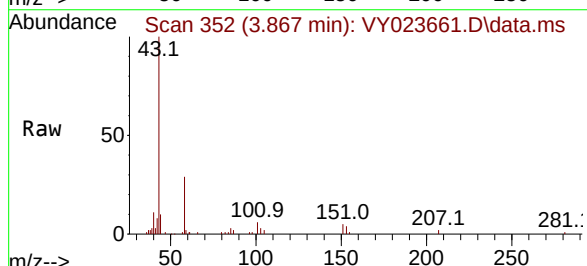
RT: 3.867 min Scan# 352

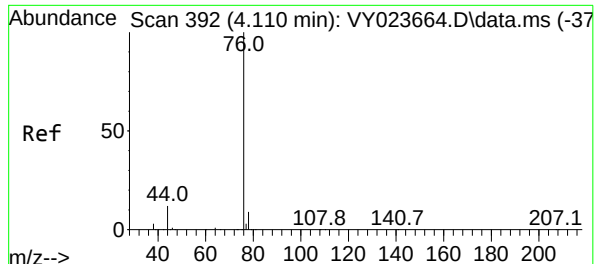
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	43	Resp:	29389
Ion	Ratio	Lower	Upper
43	100		
58	29.1	28.2	42.4





#17

Carbon Disulfide

Concen: 5.395 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 7555

Ion Ratio Lower Upper

76 100

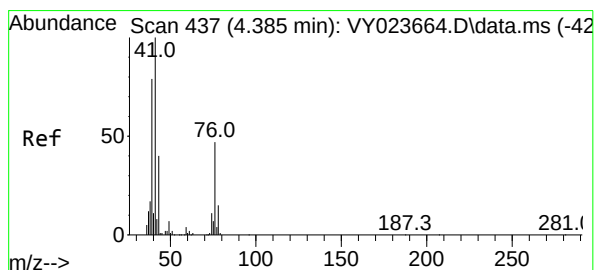
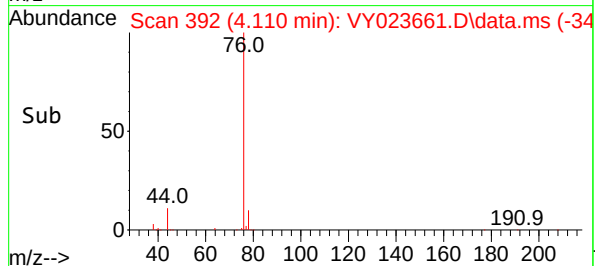
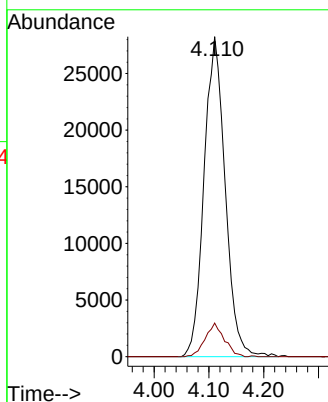
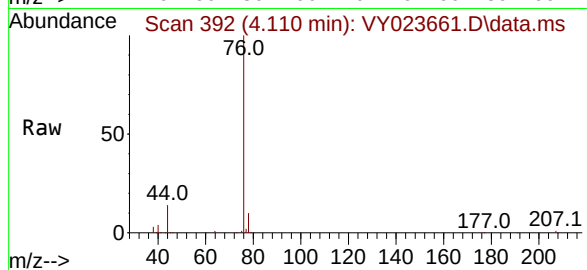
78 10.5 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#18

Methyl Acetate

Concen: 4.725 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY023661.D

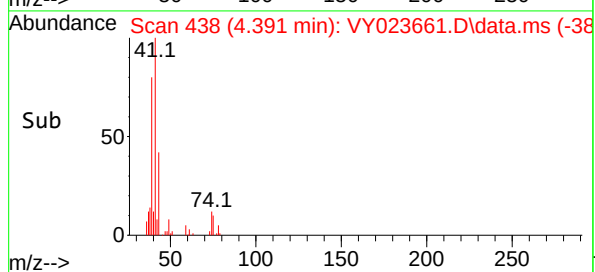
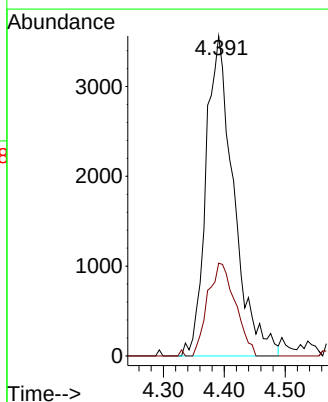
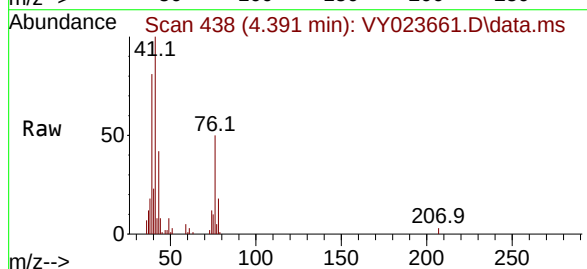
Acq: 04 Nov 2025 09:19

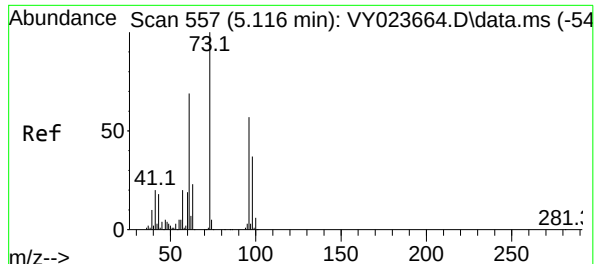
Tgt Ion: 43 Resp: 11286

Ion Ratio Lower Upper

43 100

74 28.7 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 4.728 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Tgt Ion: 73 Resp: 5002

Ion Ratio Lower Upper

73 100

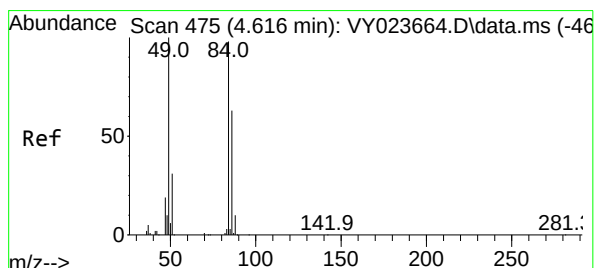
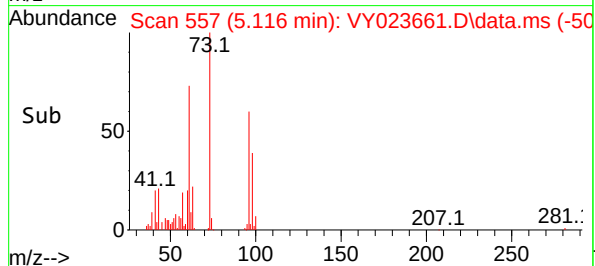
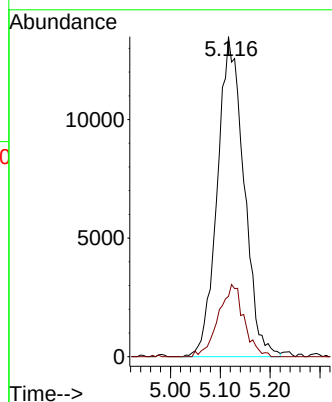
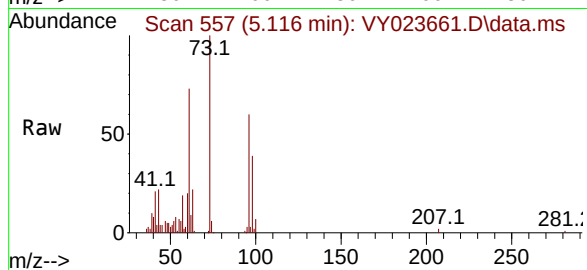
57 18.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 6.371 ug/l

RT: 4.623 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion: 84 Resp: 33305

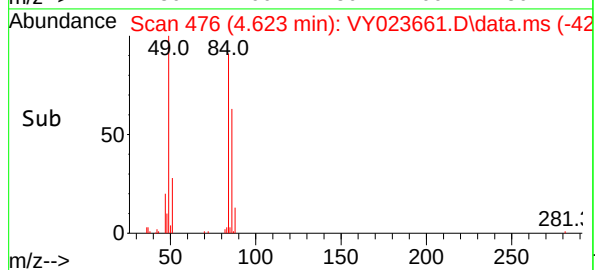
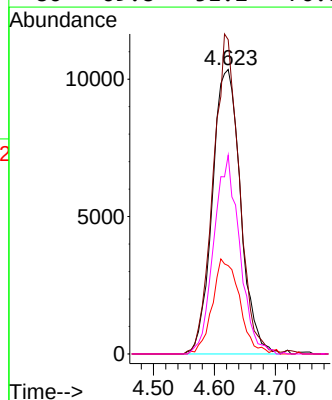
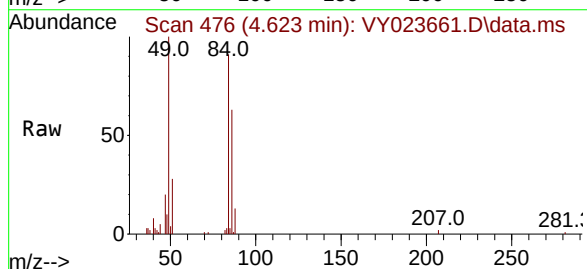
Ion Ratio Lower Upper

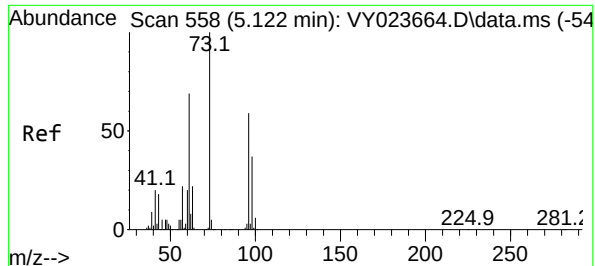
84 100

49 110.4 81.5 122.3

51 31.1 25.5 38.3

86 69.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 5.084 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

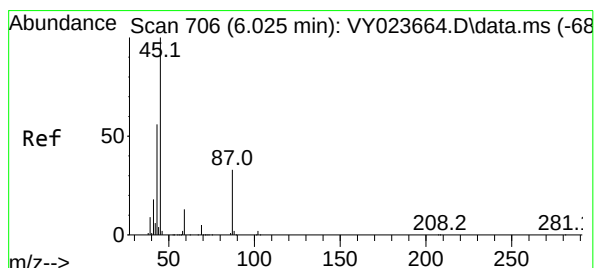
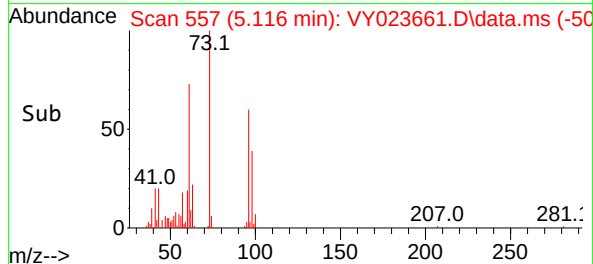
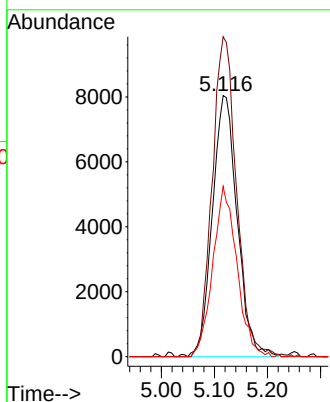
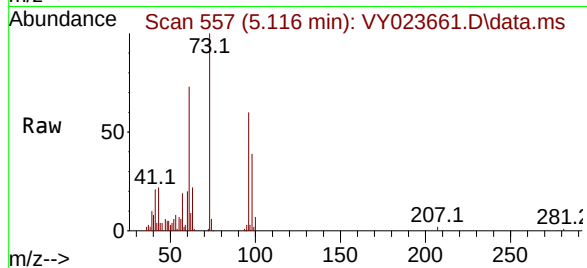
VSTDIC005

Tgt Ion:	96	Resp:	2615
Ion	Ratio	Lower	Upper
96	100		
61	122.6	93.3	139.9
98	65.2	50.6	75.8

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#22

Diisopropyl ether

Concen: 4.527 ug/l

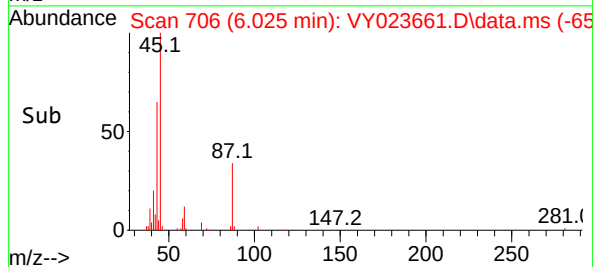
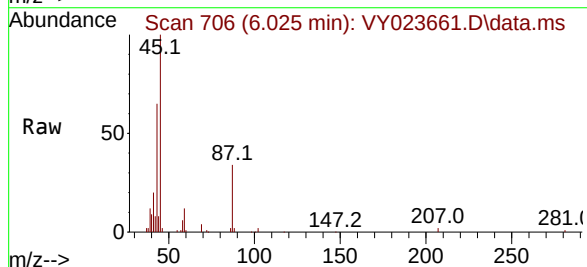
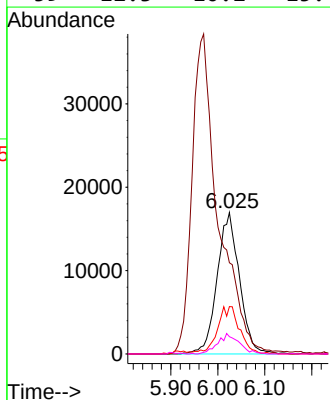
RT: 6.025 min Scan# 706

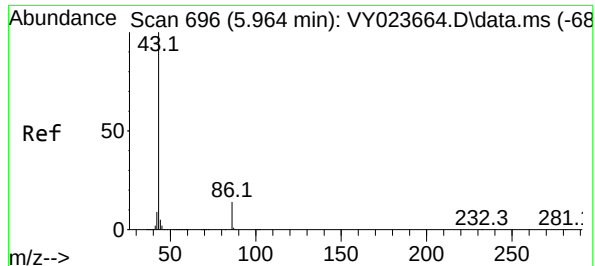
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	45	Resp:	56019
Ion	Ratio	Lower	Upper
45	100		
43	62.4	44.7	67.1
87	33.5	27.2	40.8
59	12.3	10.2	15.4





#23

Vinyl Acetate

Concen: 22.631 ug/l

RT: 5.970 min Scan# 696

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 14945

Ion Ratio Lower Upper

43 100

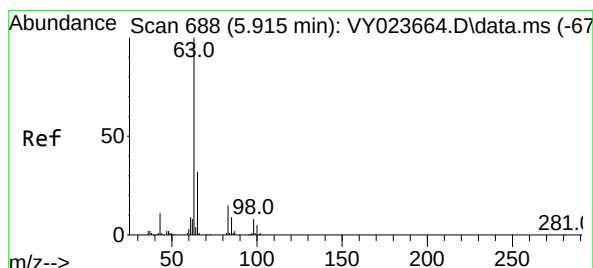
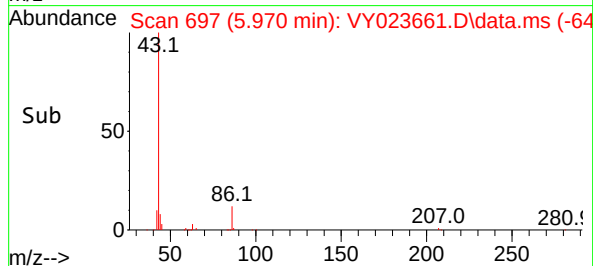
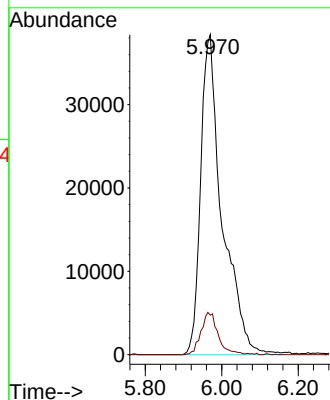
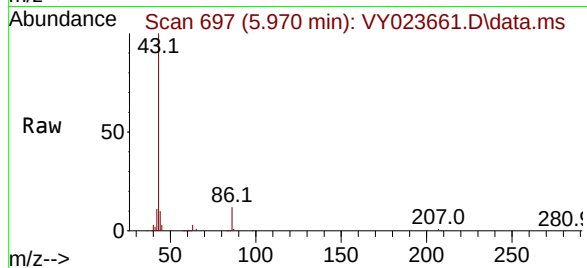
86 12.4 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 5.298 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

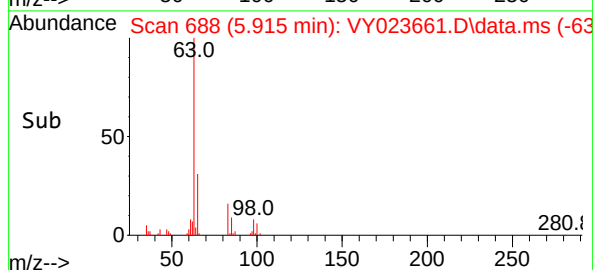
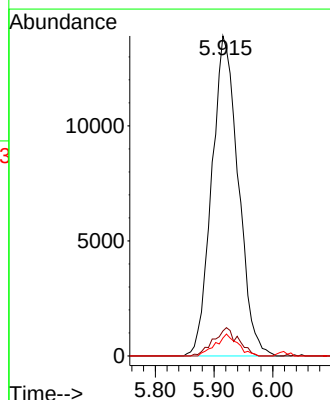
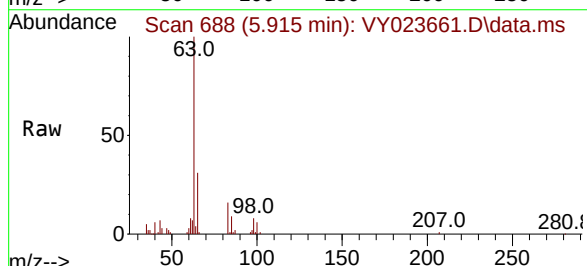
Tgt Ion: 63 Resp: 43679

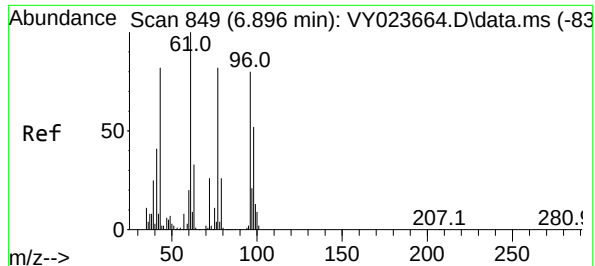
Ion Ratio Lower Upper

63 100

98 7.8 4.0 11.9

100 5.6 2.6 7.8





#25

2-Butanone

Concen: 26.134 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 32720

Ion Ratio Lower Upper

43 100

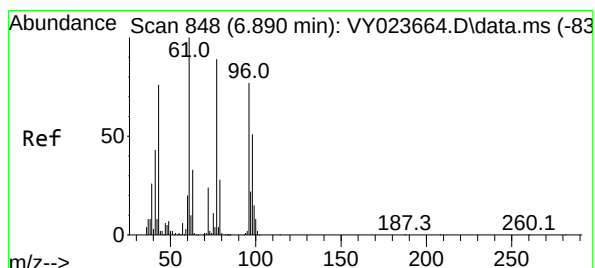
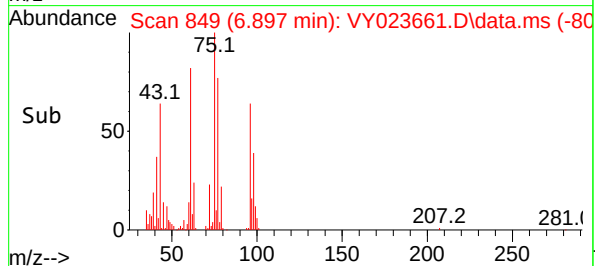
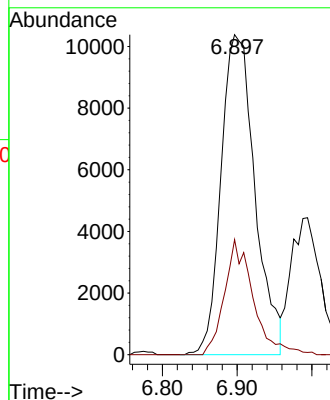
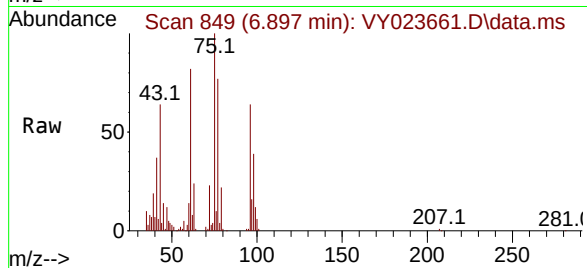
72 35.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 5.380 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023661.D

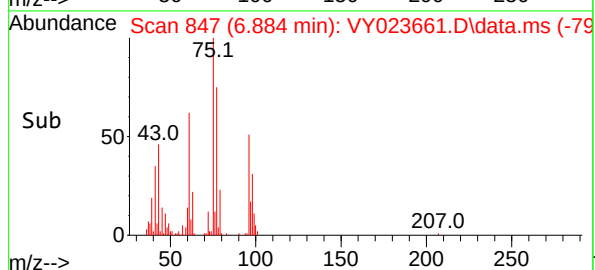
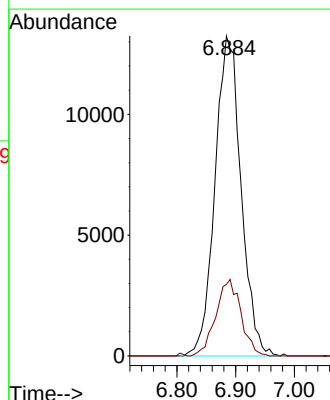
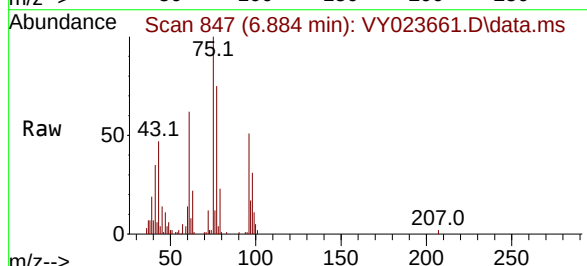
Acq: 04 Nov 2025 09:19

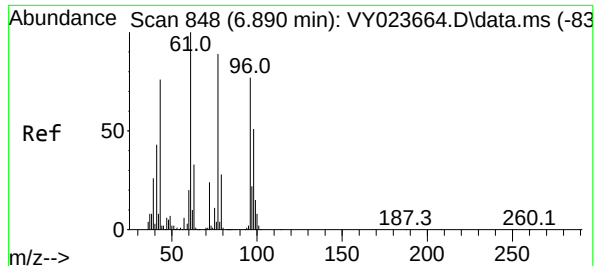
Tgt Ion: 77 Resp: 40803

Ion Ratio Lower Upper

77 100

97 23.1 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 4.966 ug/l

RT: 6.897 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 29179

Ion Ratio Lower Upper

96 100

61 130.1 0.0 255.0

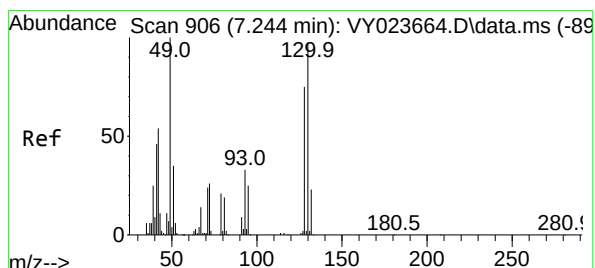
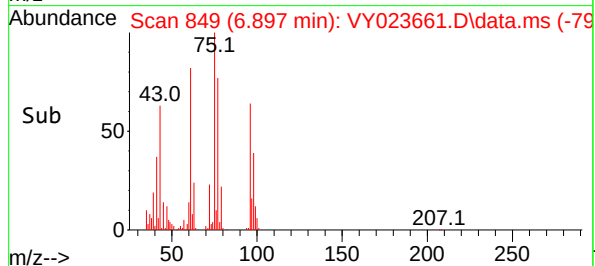
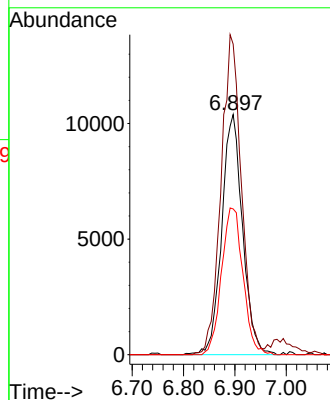
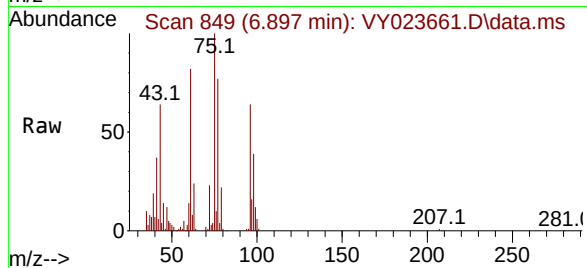
98 63.1 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 5.127 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

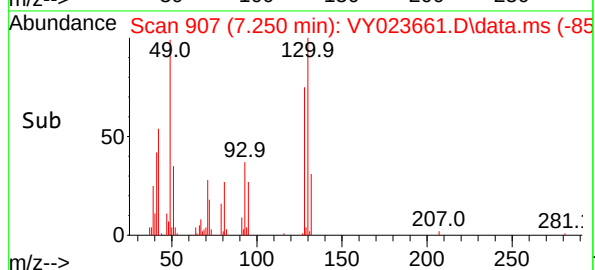
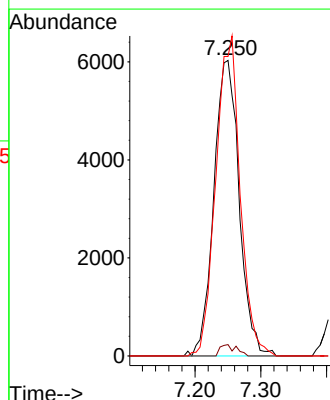
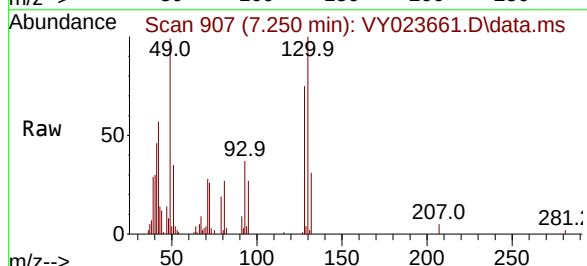
Tgt Ion: 49 Resp: 16184

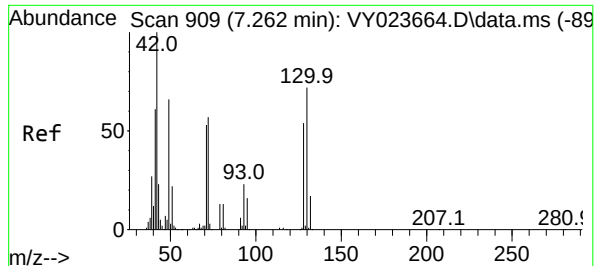
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 103.8 80.1 120.1





#29

Tetrahydrofuran

Concen: 23.206 ug/l

RT: 7.275 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

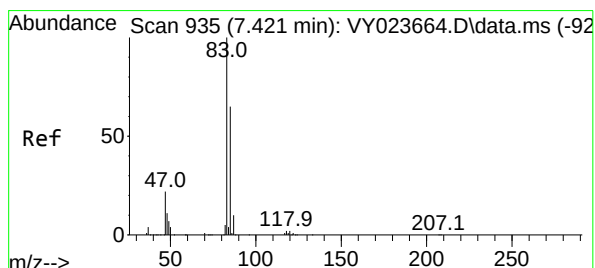
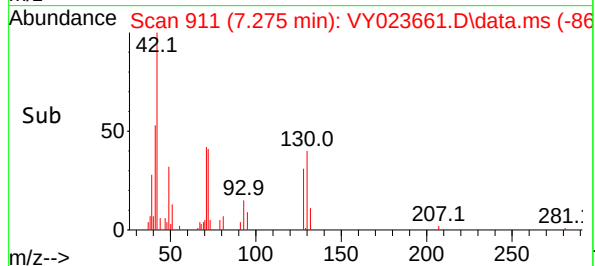
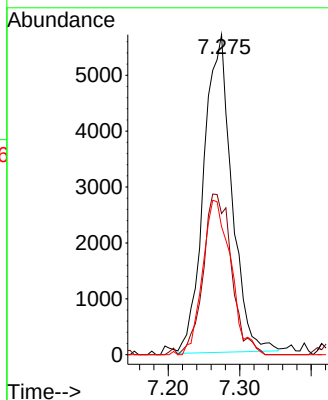
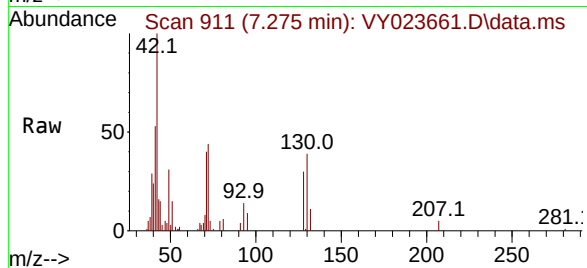
VSTDICC005

Tgt Ion:	42	Resp:	1547
Ion	Ratio	Lower	Upper
42	100		
72	51.1	43.4	65.2
71	49.1	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 5.316 ug/l

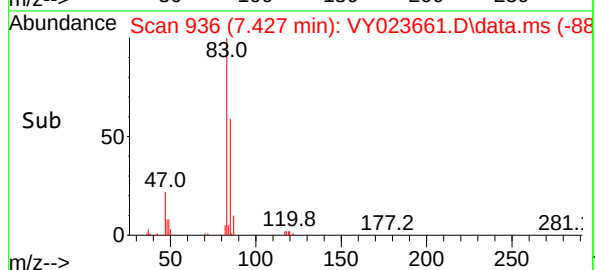
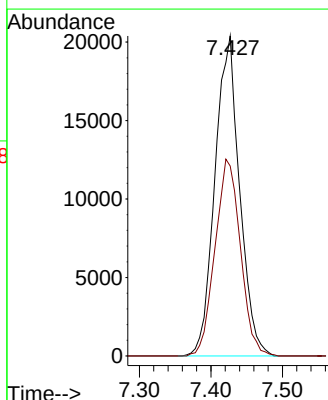
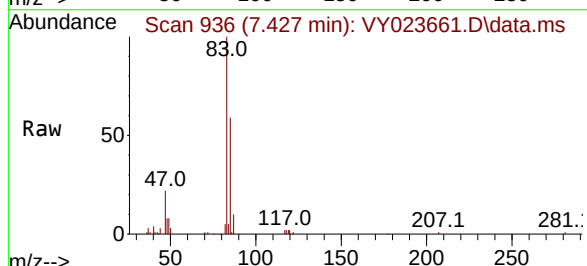
RT: 7.427 min Scan# 936

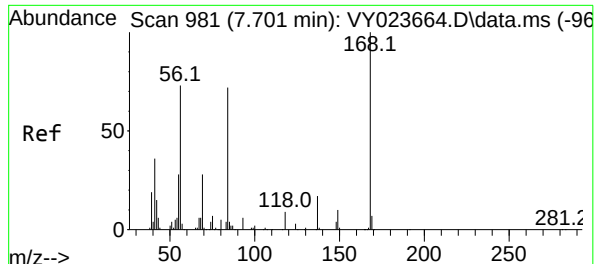
Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	83	Resp:	48896
Ion	Ratio	Lower	Upper
83	100		
85	59.4	52.1	78.1





#31

Cyclohexane

Concen: 5.612 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 40292

Ion Ratio Lower Upper

56 100

69 69.4 30.5 45.7

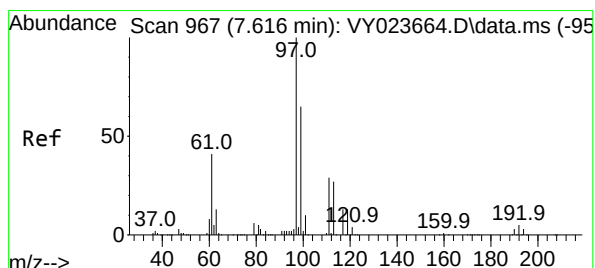
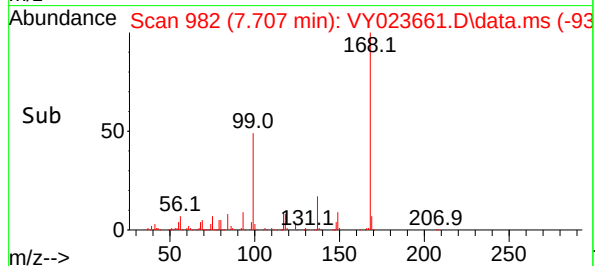
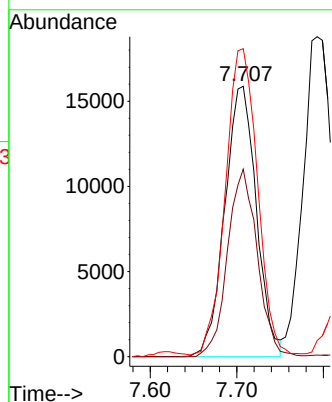
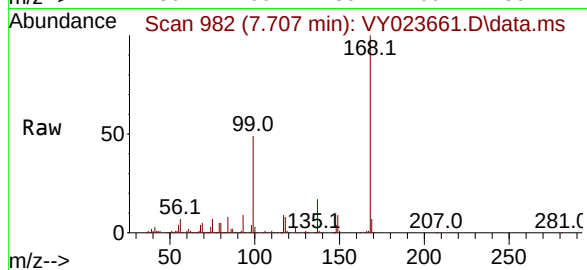
84 112.8 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 5.292 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

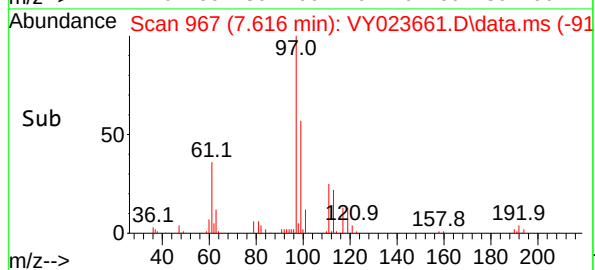
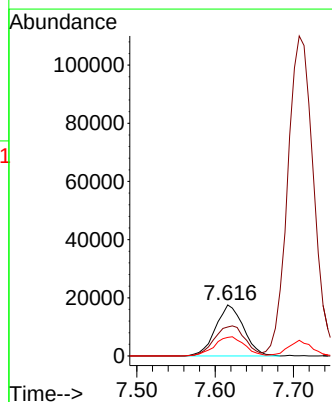
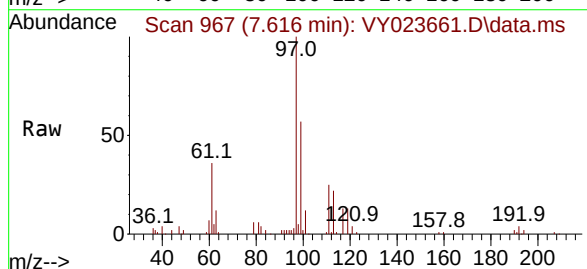
Tgt Ion: 97 Resp: 43512

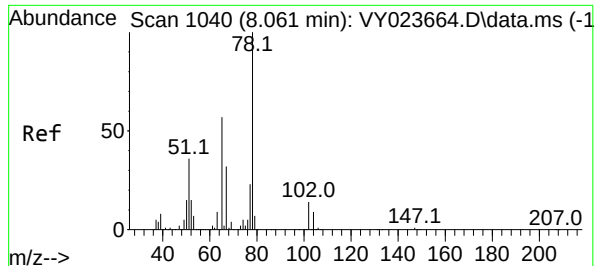
Ion Ratio Lower Upper

97 100

99 64.6 51.5 77.3

61 40.5 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 5.491 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 2392

Ion Ratio Lower Upper

65 100

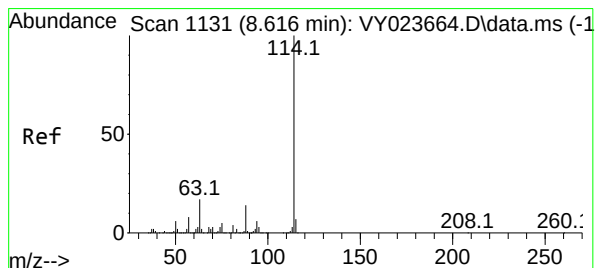
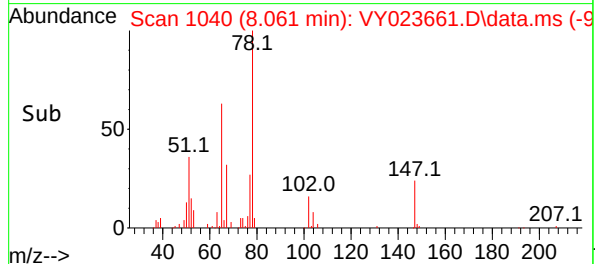
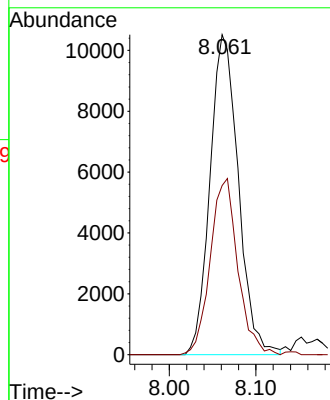
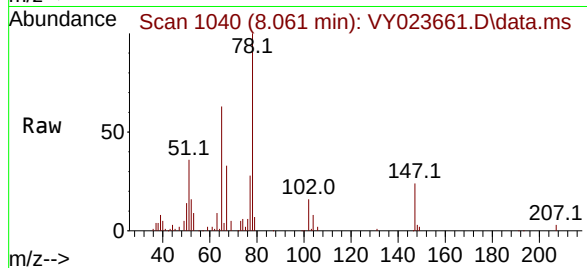
67 53.4 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

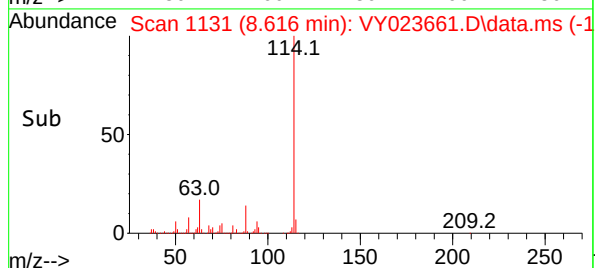
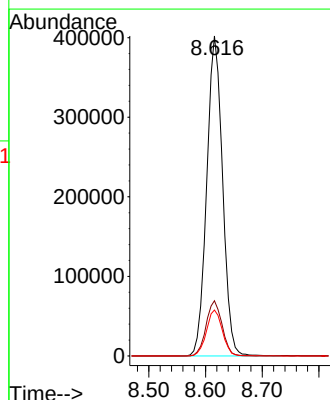
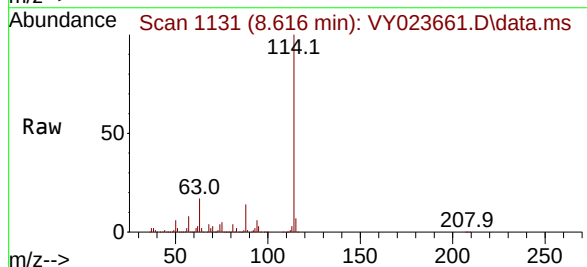
Tgt Ion:114 Resp: 780075

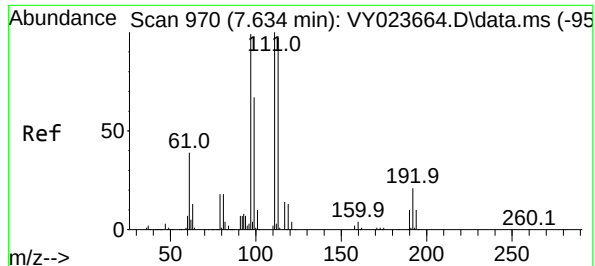
Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 4.987 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 2431

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

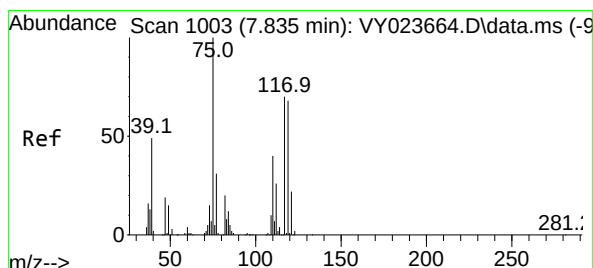
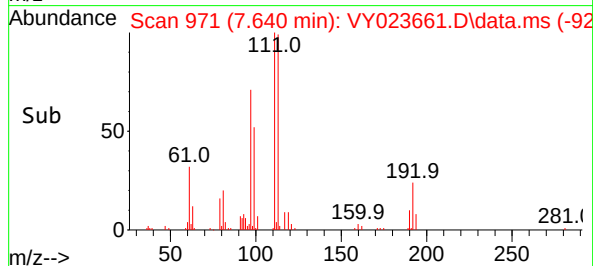
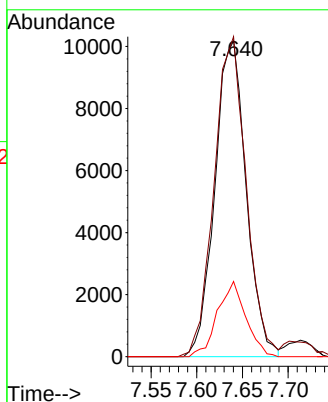
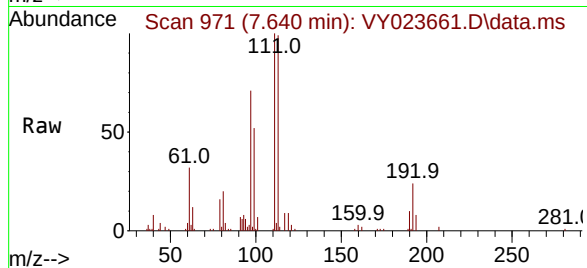
192 21.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 5.099 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

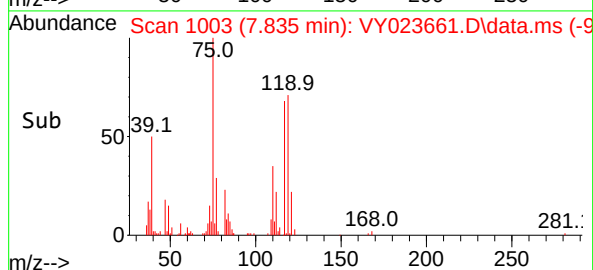
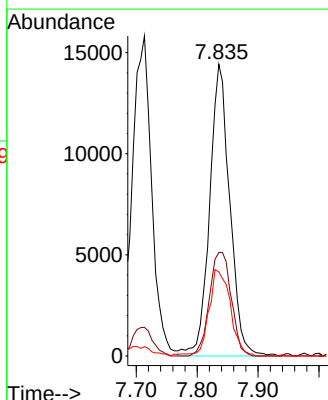
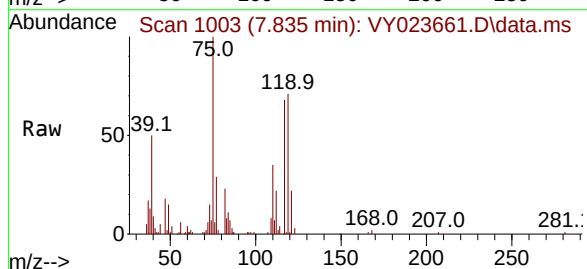
Tgt Ion: 75 Resp: 33214

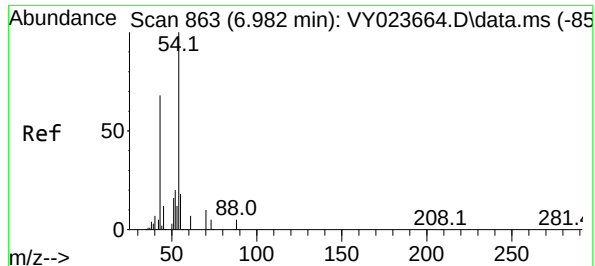
Ion Ratio Lower Upper

75 100

110 38.3 19.7 59.0

77 31.4 25.2 37.8





#37

Ethyl Acetate

Concen: 4.902 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

61 13.3 12.4 18.6

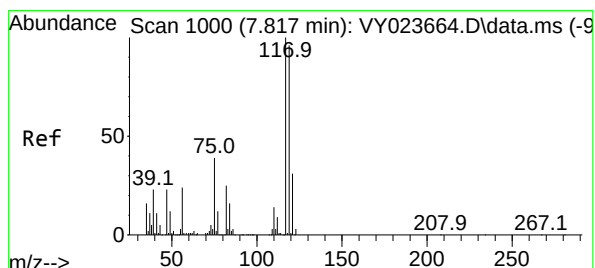
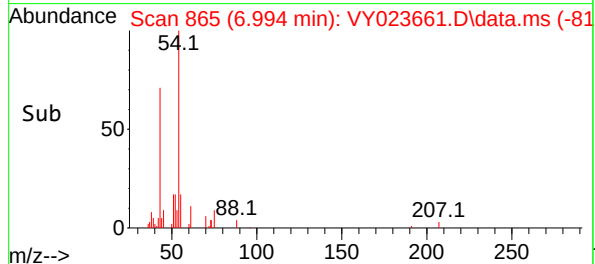
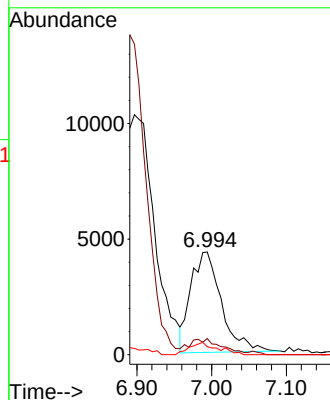
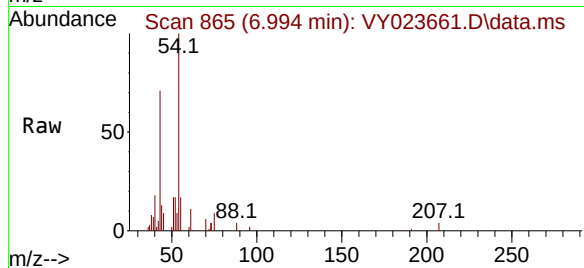
70 11.0 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 5.246 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

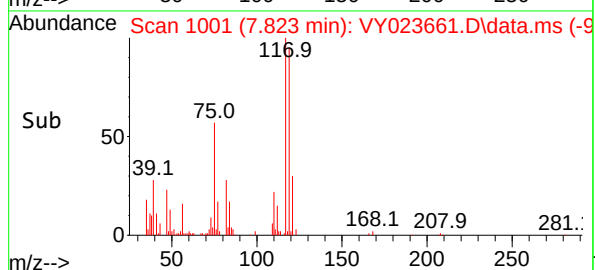
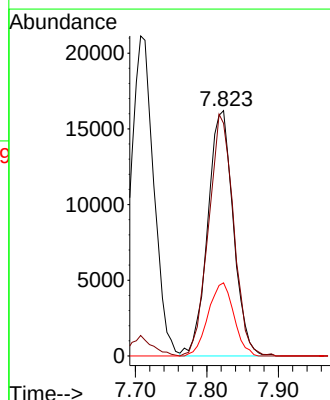
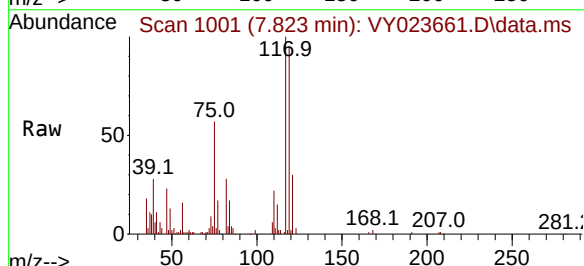
Tgt Ion:117 Resp: 40263

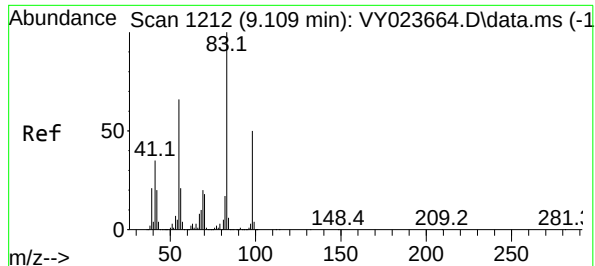
Ion Ratio Lower Upper

117 100

119 94.8 76.3 114.5

121 29.8 24.8 37.2





#39

Methylcyclohexane

Concen: 4.680 ug/l

RT: 9.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

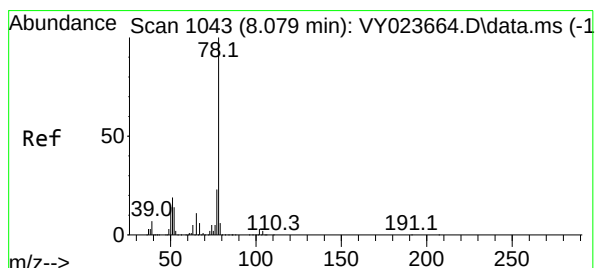
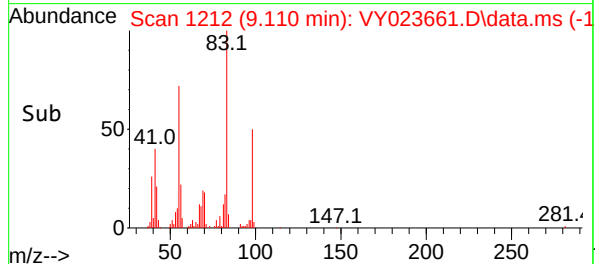
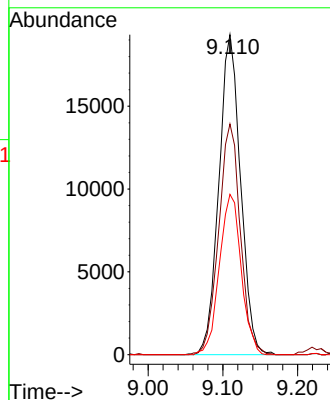
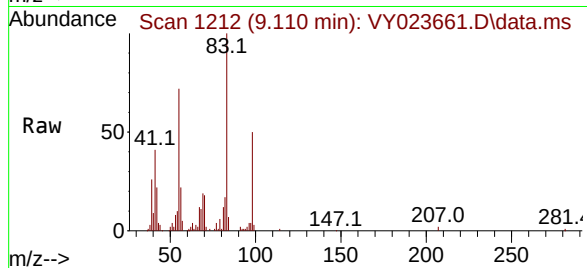
Tgt Ion:	83	Resp:	38950
Ion	Ratio	Lower	Upper
83	100		
55	72.1	52.6	78.8
98	50.1	39.7	59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 5.026 ug/l

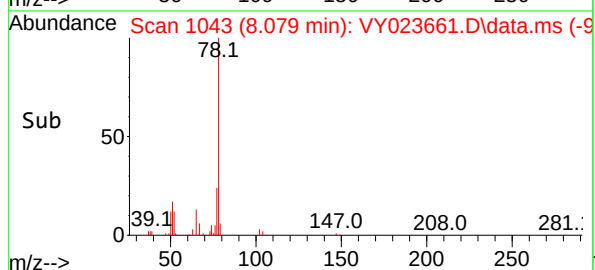
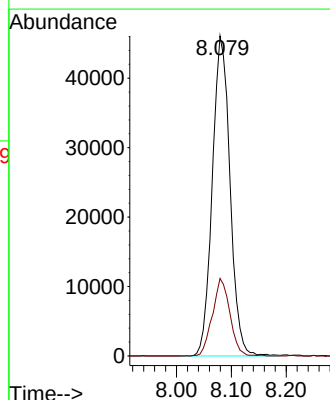
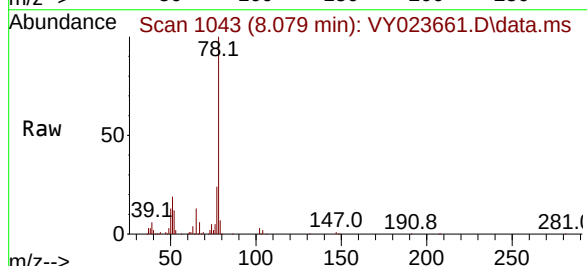
RT: 8.079 min Scan# 1043

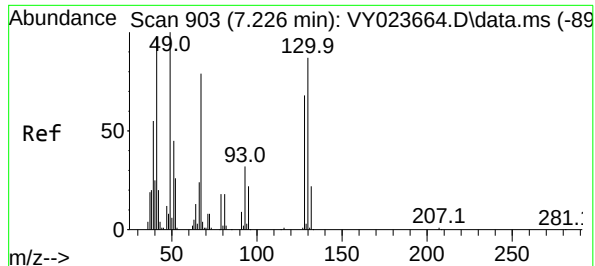
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

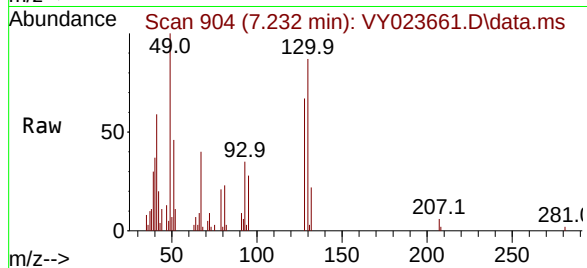
Tgt Ion:	78	Resp:	103199
Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





#41
Methacrylonitrile
Concen: 4.800 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

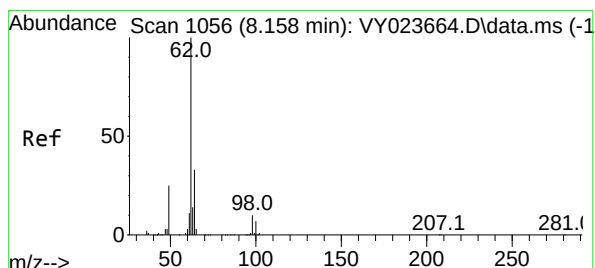
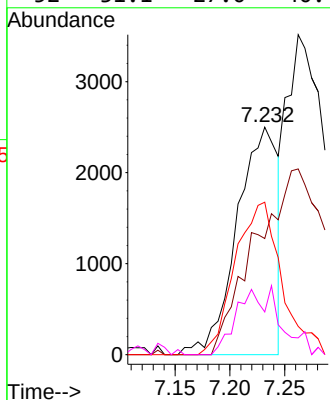
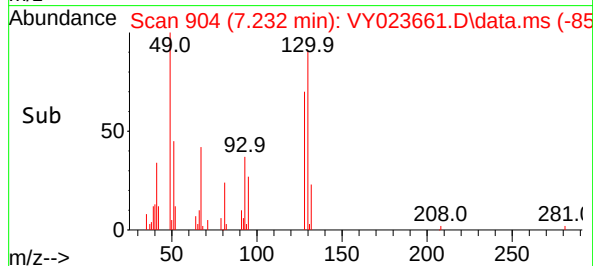
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



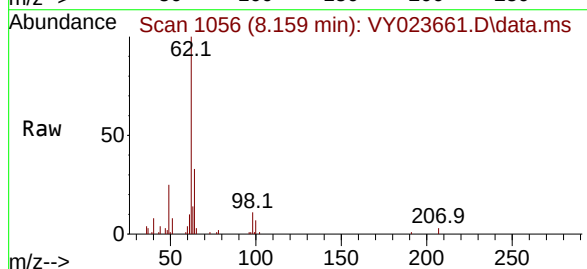
Tgt Ion: 41 Resp: 645
Ion Ratio Lower Upper
41 100
39 0.0 38.6 57.8
67 77.3 71.3 106.9
52 31.1 27.0 40.4

Manual Integrations
APPROVED

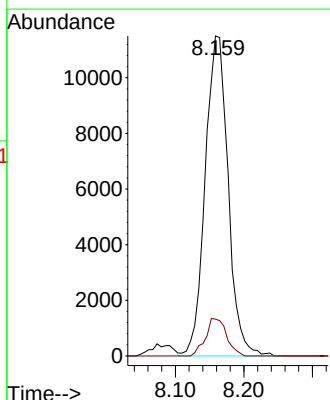
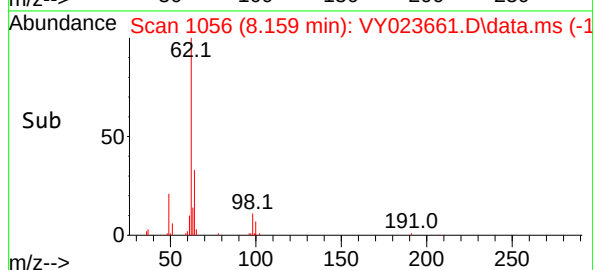
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

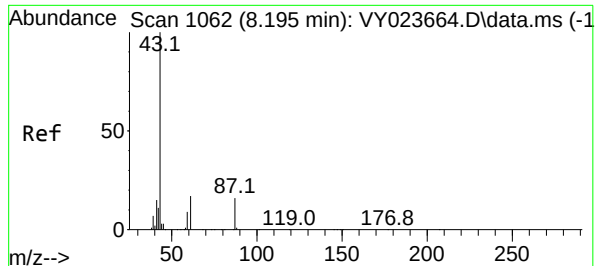


#42
1,2-Dichloroethane
Concen: 5.151 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



Tgt Ion: 62 Resp: 26761
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.0





#43

Isopropyl Acetate

Concen: 4.604 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

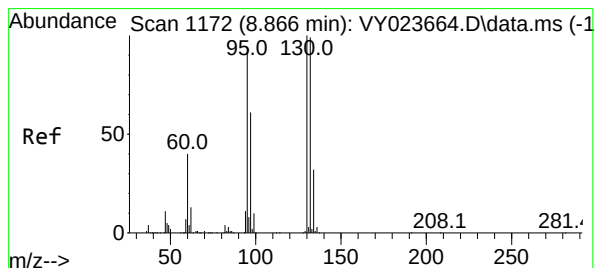
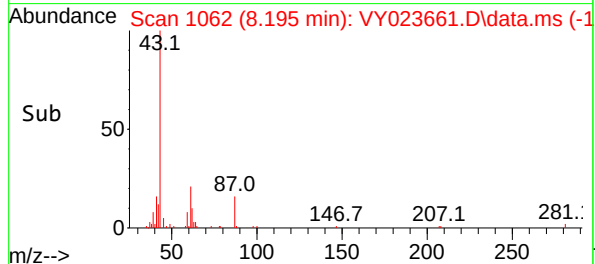
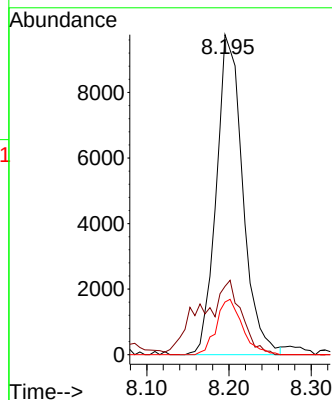
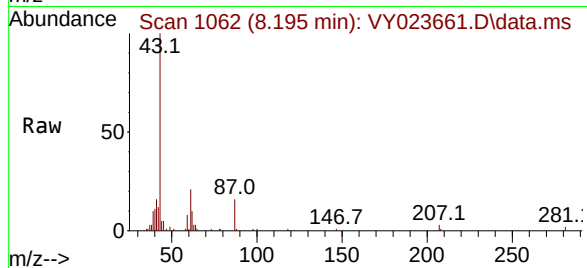
Tgt Ion:	43	Resp:	21814
Ion	Ratio	Lower	Upper
43	100		
61	19.3	18.2	27.2
87	17.0	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 5.258 ug/l

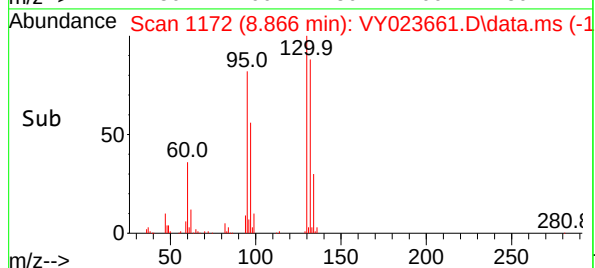
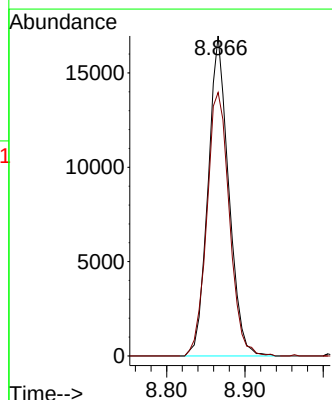
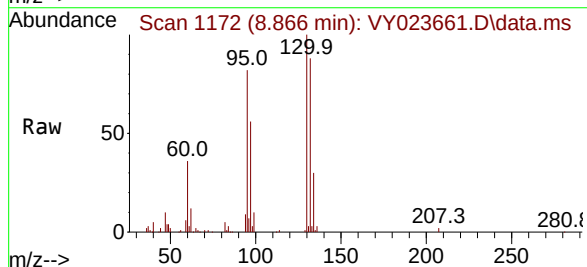
RT: 8.866 min Scan# 1172

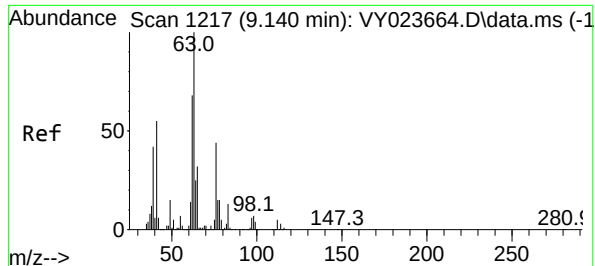
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	130	Resp:	31010
Ion	Ratio	Lower	Upper
130	100		
95	82.4	0.0	187.0





#45

1,2-Dichloropropane

Concen: 5.067 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 2296

Ion Ratio Lower Upper

63 100

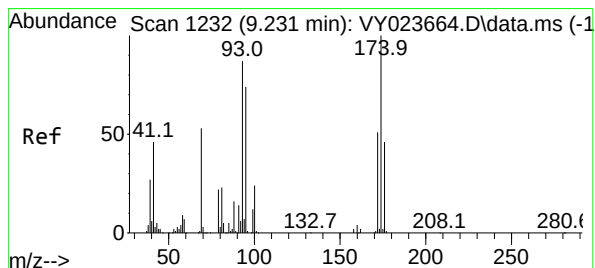
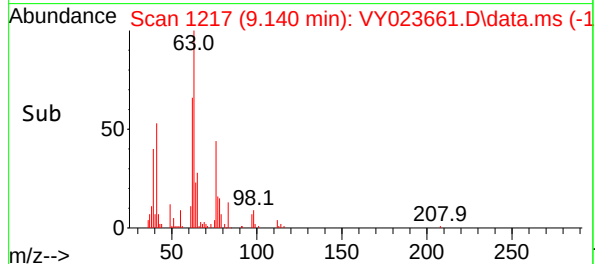
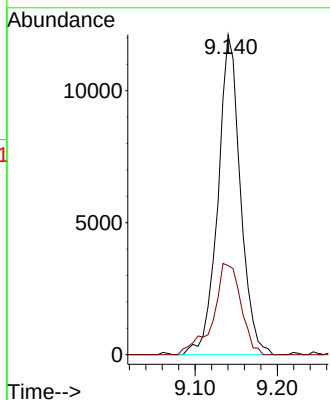
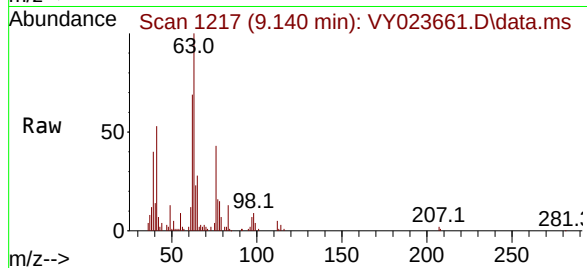
65 27.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 5.082 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

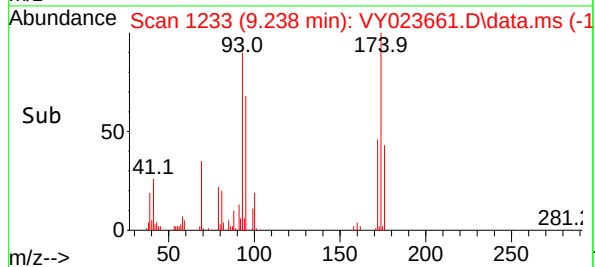
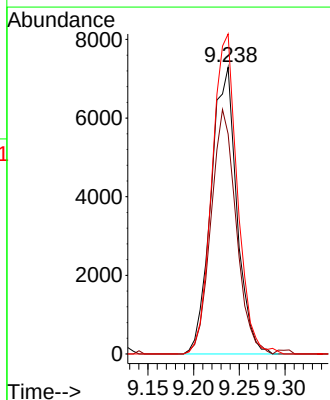
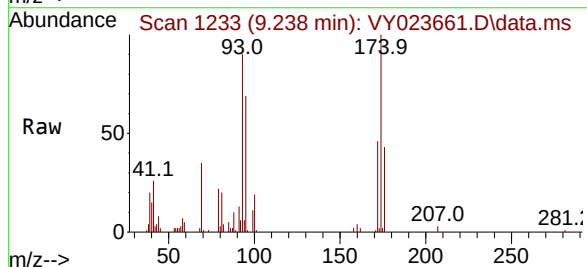
Tgt Ion: 93 Resp: 14269

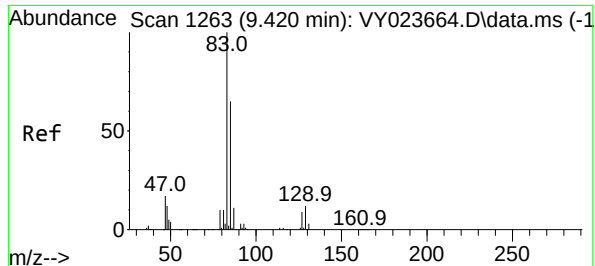
Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.2

174 109.8 89.4 134.0





#47

Bromodichloromethane

Concen: 5.020 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

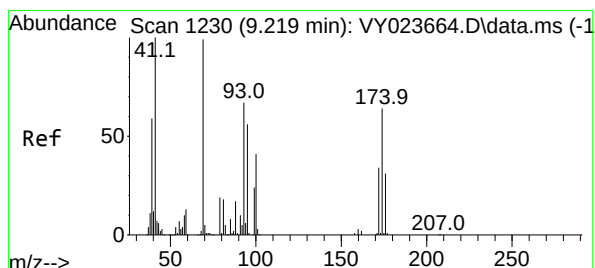
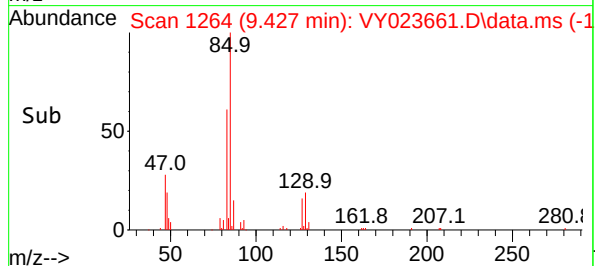
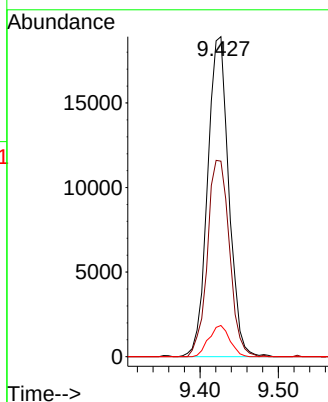
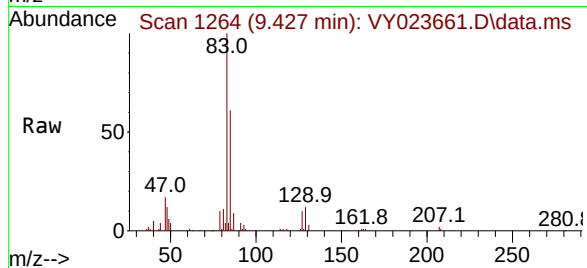
Tgt Ion:	83	Resp:	35539
Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.1	78.1
127	9.8	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 4.138 ug/l

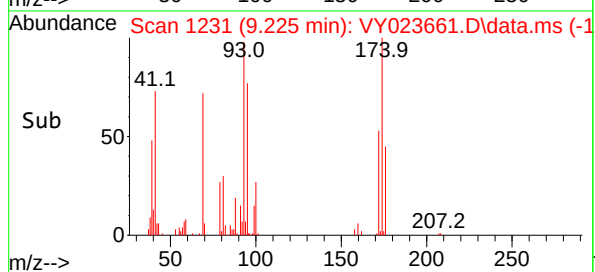
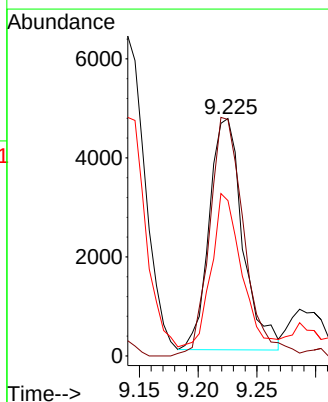
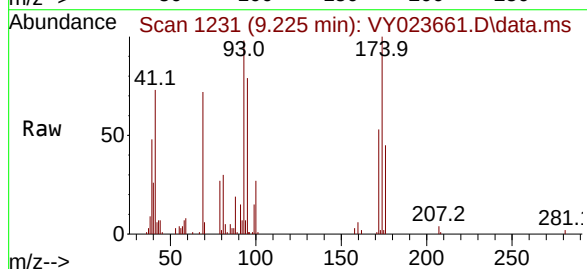
RT: 9.225 min Scan# 1231

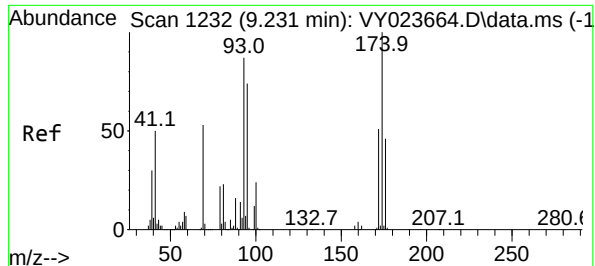
Delta R.T. 0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	41	Resp:	9263
Ion	Ratio	Lower	Upper
41	100		
69	105.9	80.2	120.2
39	63.4	47.4	71.0





#49

1,4-Dioxane

Concen: 97.232 ug/l

RT: 9.225 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

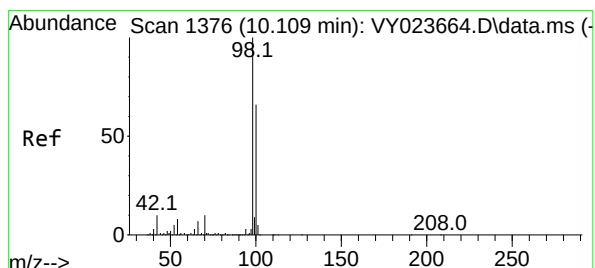
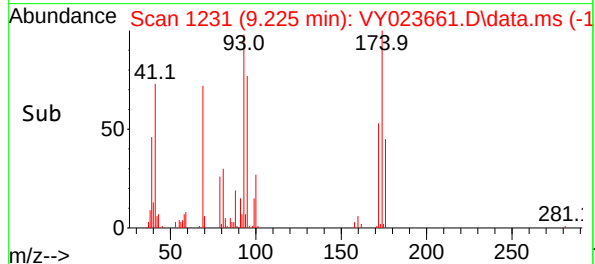
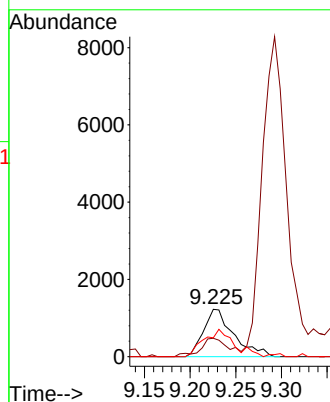
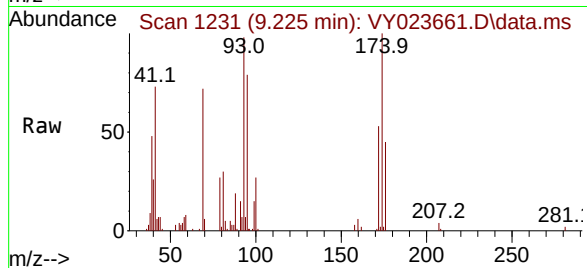
Tgt Ion:	88	Resp:	2794
Ion	Ratio	Lower	Upper
88	100		
43	36.3	22.0	33.0
58	51.3	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 4.766 ug/l

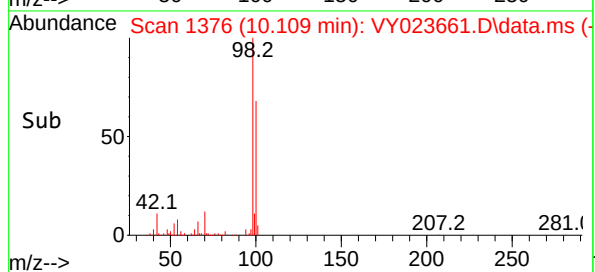
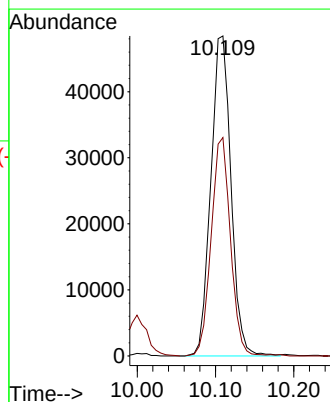
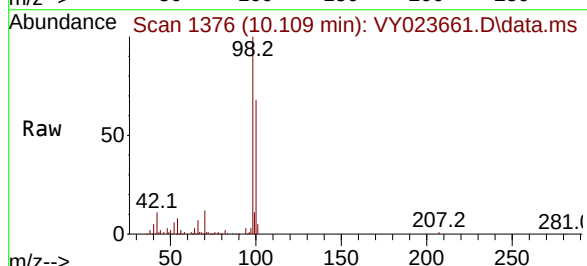
RT: 10.109 min Scan# 1376

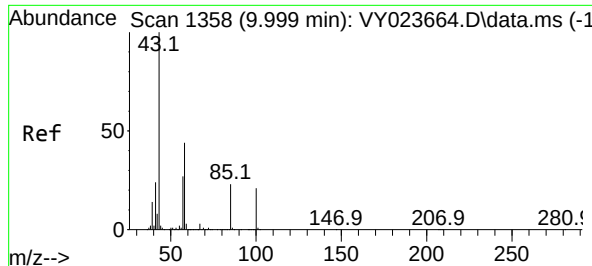
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	98	Resp:	86542
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1





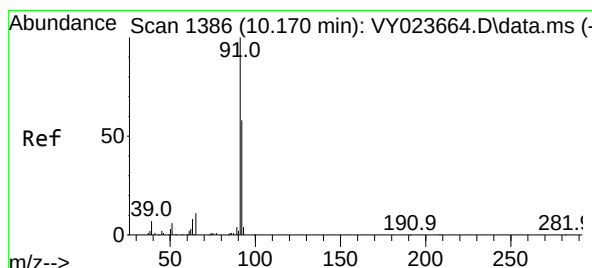
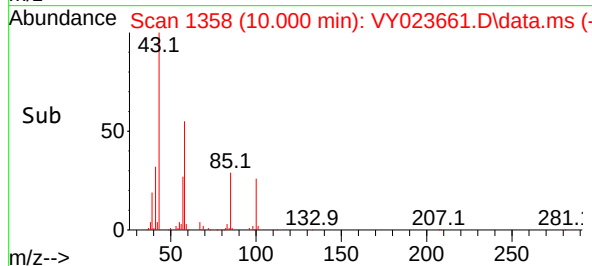
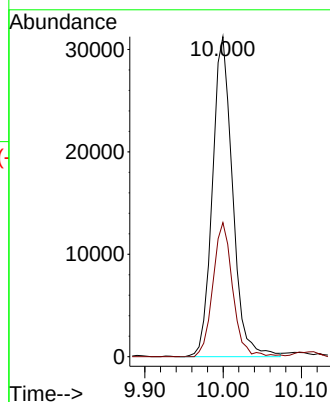
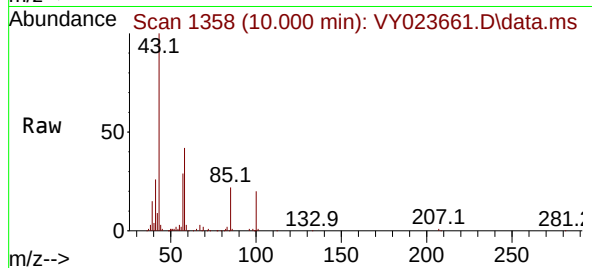
#51
4-Methyl-2-Pentanone
Concen: 22.192 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55920
Ion Ratio Lower Upper
43 100
58 41.1 34.8 52.2

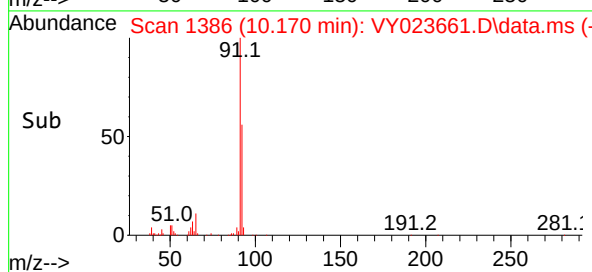
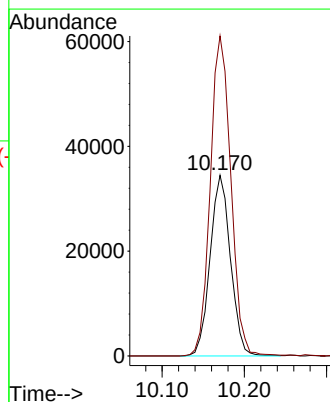
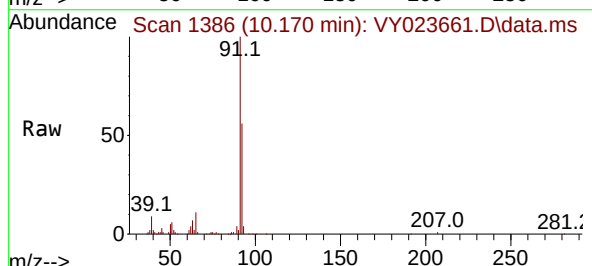
Manual Integrations
APPROVED

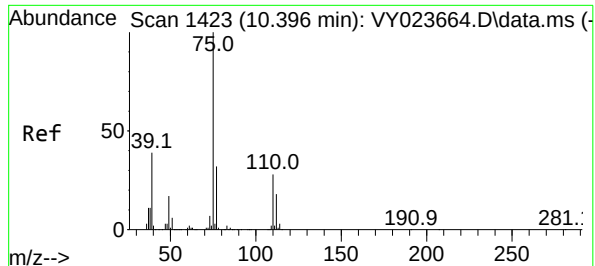
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#52
Toluene
Concen: 4.530 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 92 Resp: 59389
Ion Ratio Lower Upper
92 100
91 179.0 137.8 206.8





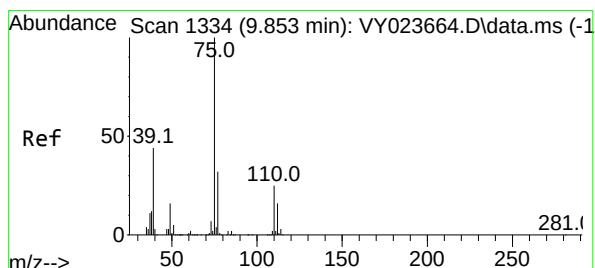
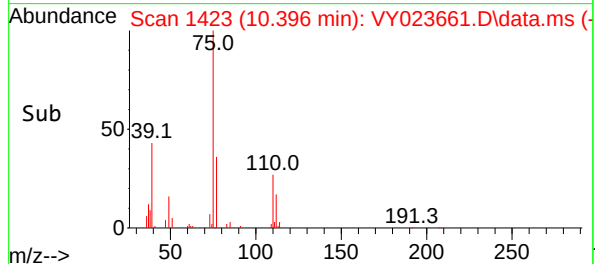
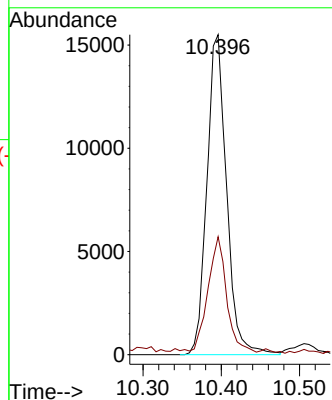
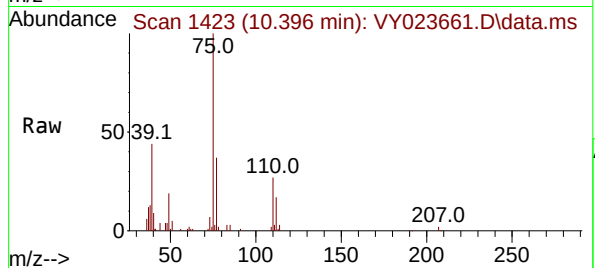
#53
t-1,3-Dichloropropene
Concen: 4.510 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 2701
Ion Ratio Lower Upper
75 100
77 35.8 25.6 38.4

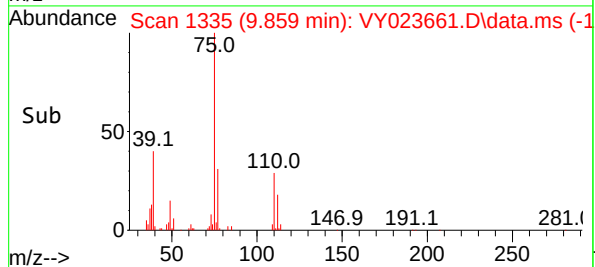
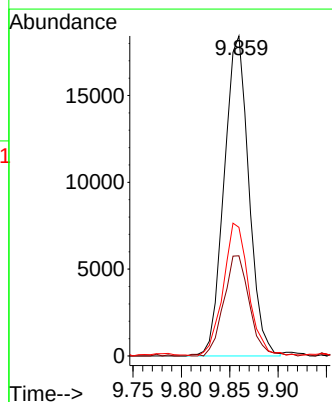
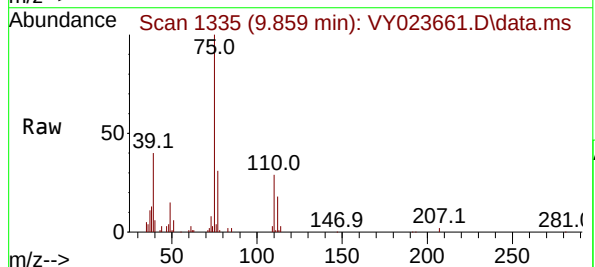
Manual Integrations
APPROVED

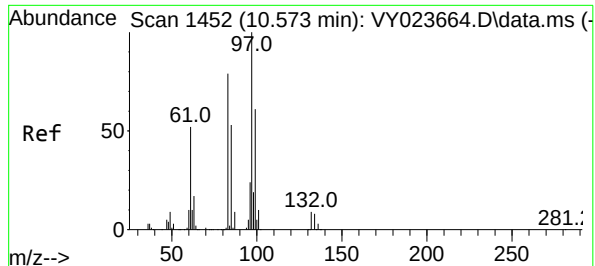
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 4.559 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

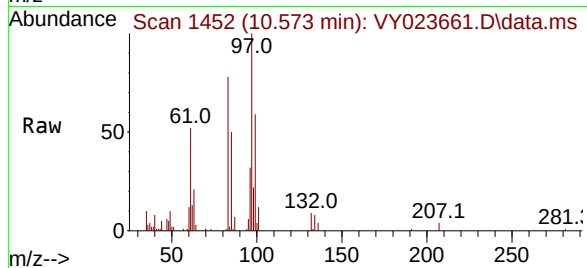
Tgt Ion: 75 Resp: 32719
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 39.9 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 5.075 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

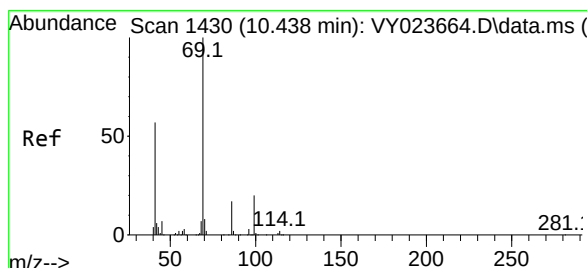
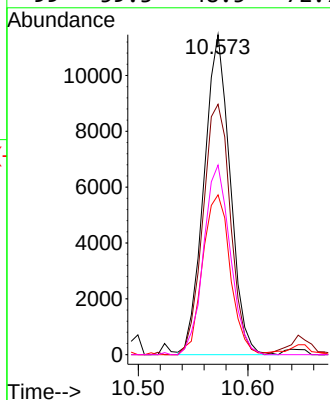
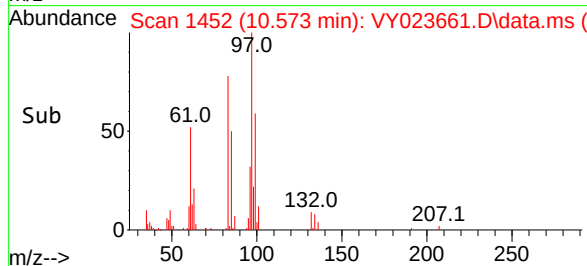
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.2	63.3	94.9
85	49.9	42.4	63.6
99	59.3	48.5	72.7

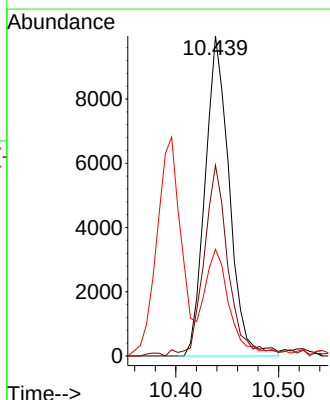
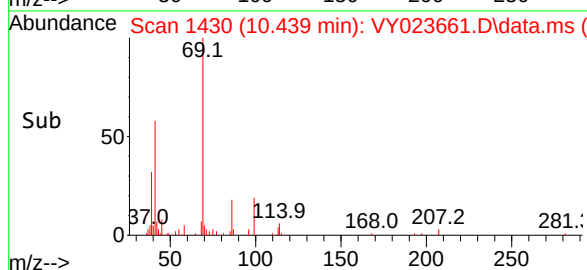
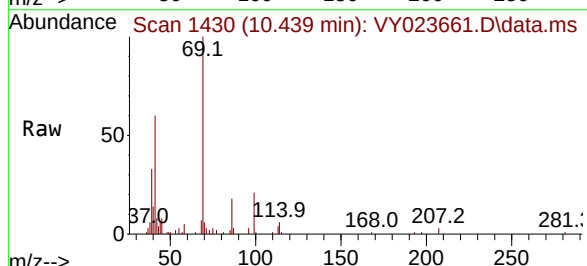
Manual Integrations
APPROVED

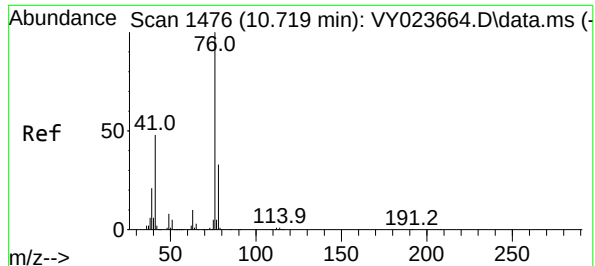
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#56
Ethyl methacrylate
Concen: 3.932 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.7	45.0	67.4
39	33.1	25.1	37.7





#57

1,3-Dichloropropane

Concen: 4.912 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 29234

Ion Ratio Lower Upper

76 100

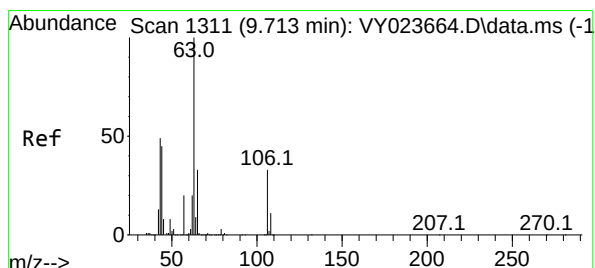
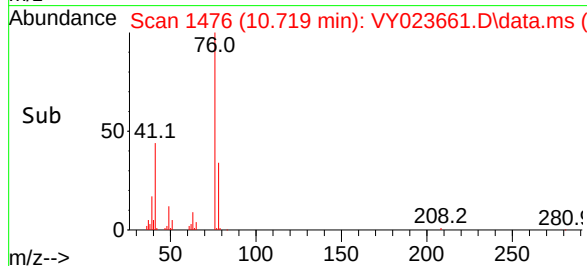
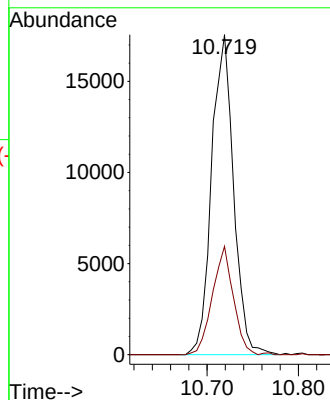
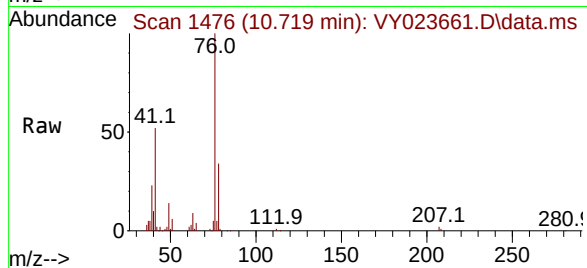
78 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#58

2-Chloroethyl Vinyl ether

Concen: 19.254 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY023661.D

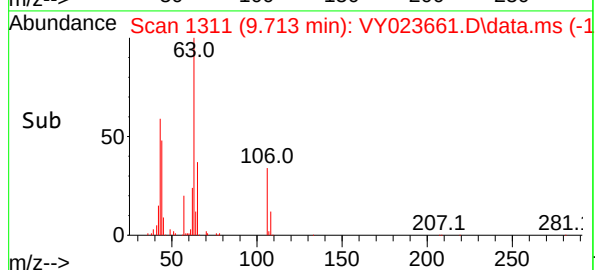
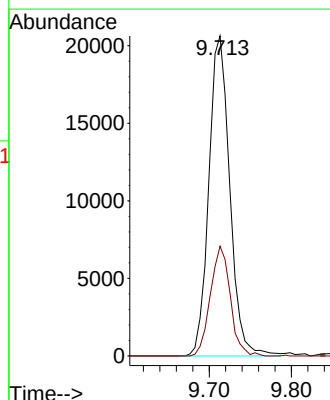
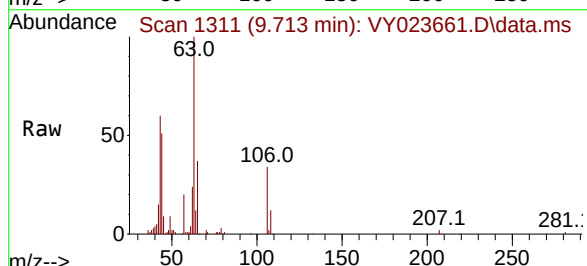
Acq: 04 Nov 2025 09:19

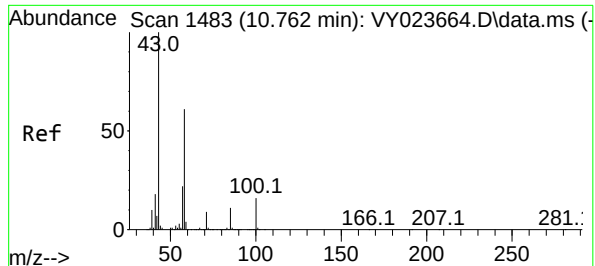
Tgt Ion: 63 Resp: 36528

Ion Ratio Lower Upper

63 100

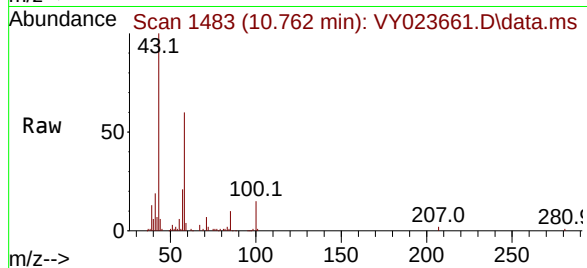
106 32.5 26.2 39.2





#59
2-Hexanone
Concen: 21.472 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

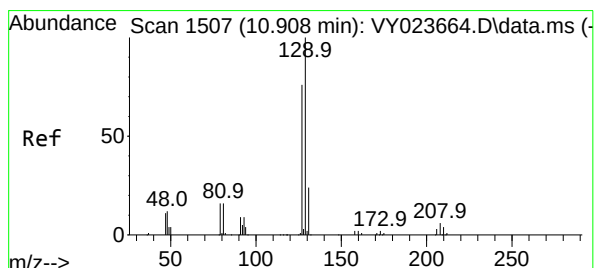
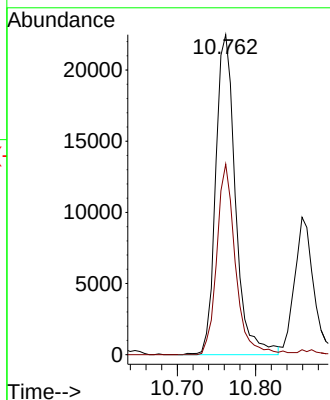
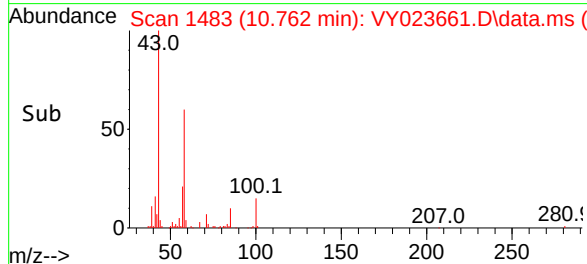
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 3947
Ion Ratio Lower Upper
43 100
58 56.3 30.2 90.6

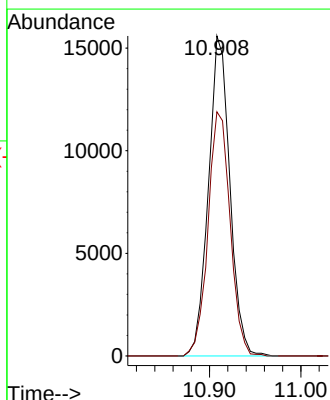
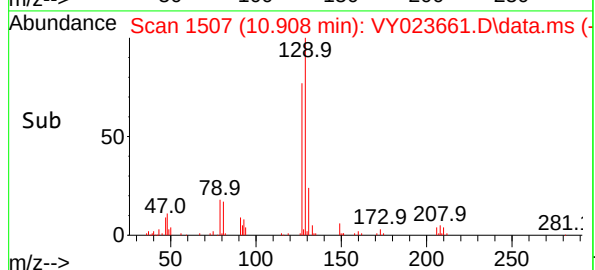
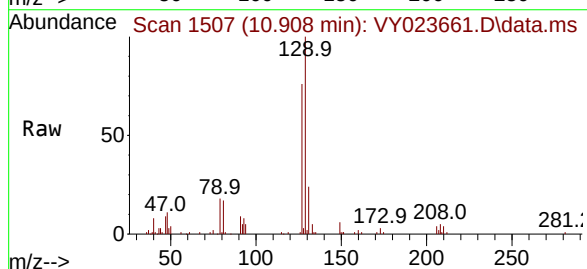
Manual Integrations
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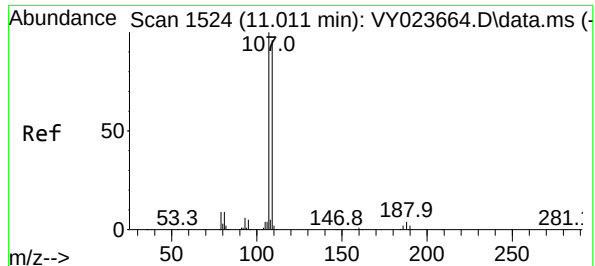
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#60
Dibromochloromethane
Concen: 4.921 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

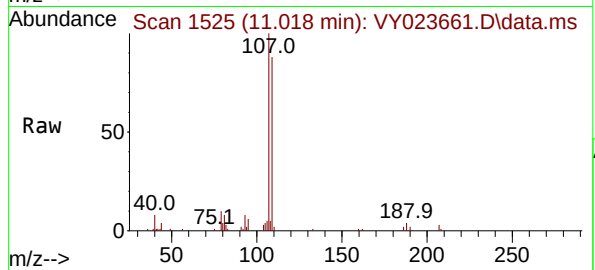
Tgt Ion:129 Resp: 25371
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.2





#61
1,2-Dibromoethane
Concen: 4.900 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

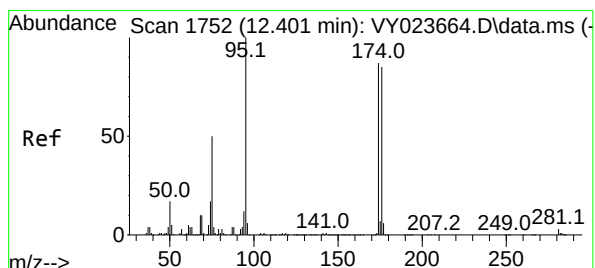
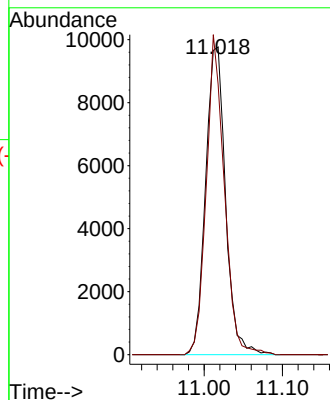
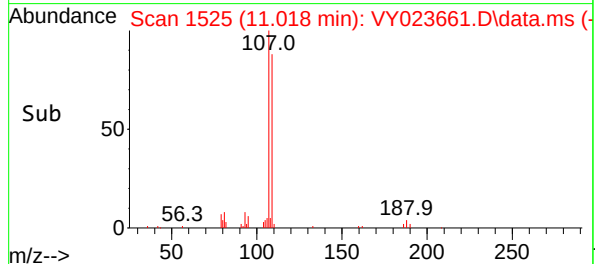
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



Tgt Ion: 107 Resp: 17250
Ion Ratio Lower Upper
107 100
109 93.9 76.2 114.4

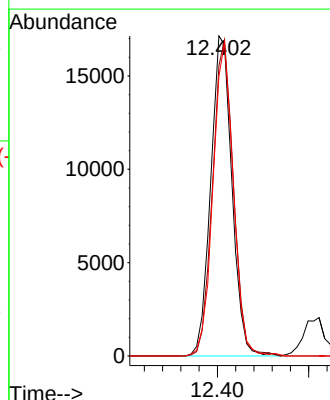
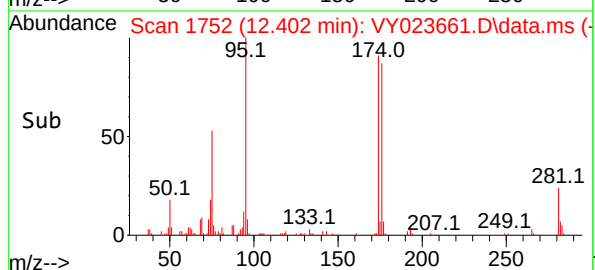
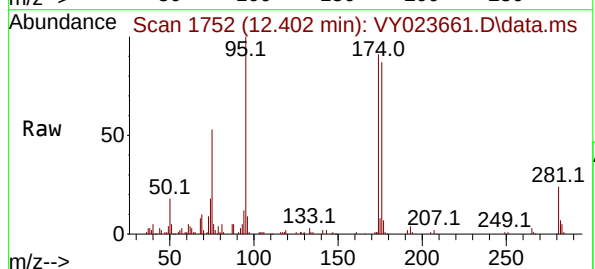
Manual Integrations
APPROVED

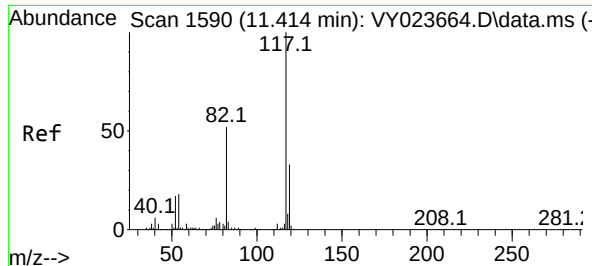
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 4.698 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 95 Resp: 27590
Ion Ratio Lower Upper
95 100
174 96.8 0.0 184.8
176 93.9 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 667589

Ion Ratio Lower Upper

117 100

82 50.0 41.2 61.8

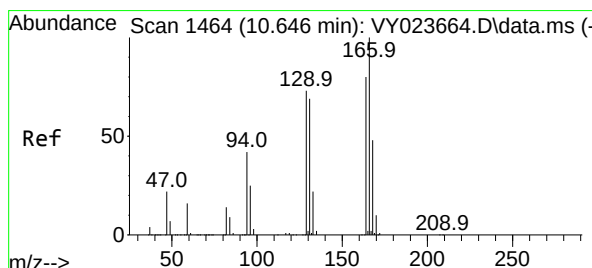
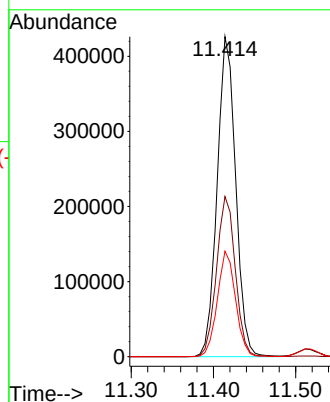
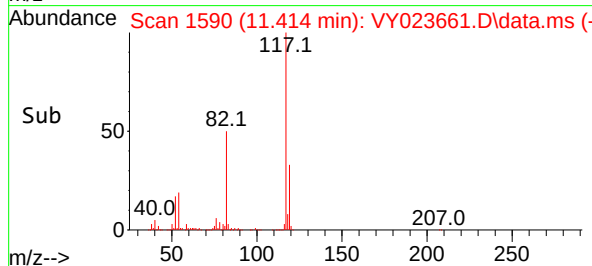
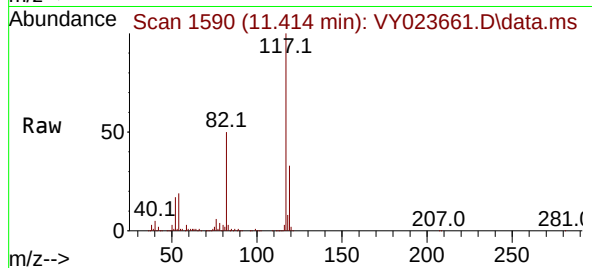
119 33.0 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#64

Tetrachloroethene

Concen: 5.320 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:164 Resp: 36969

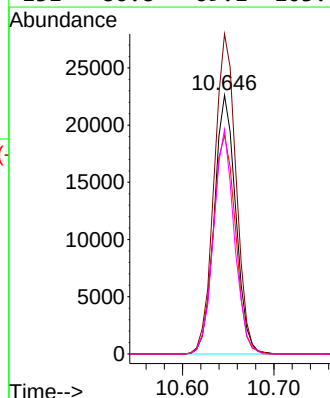
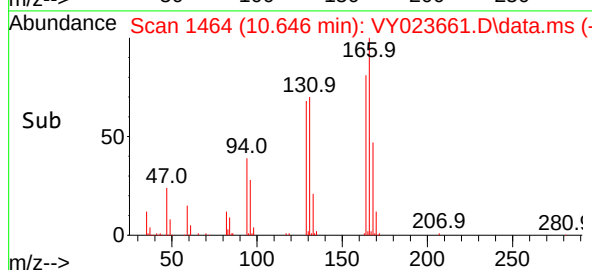
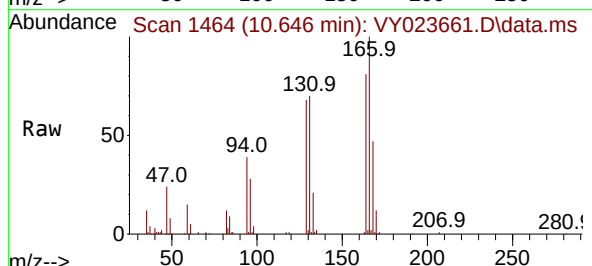
Ion Ratio Lower Upper

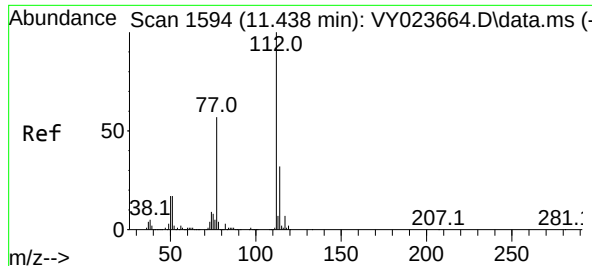
164 100

166 123.7 99.5 149.3

129 84.5 72.3 108.5

131 86.8 69.1 103.7





#65

Chlorobenzene

Concen: 5.034 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 73160

Ion Ratio Lower Upper

112 100

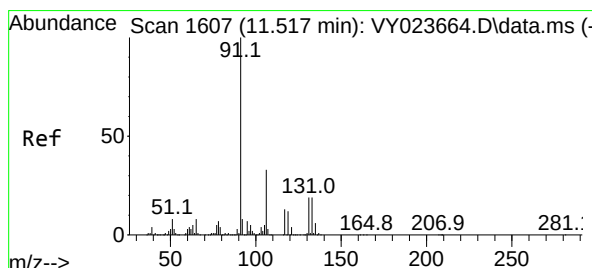
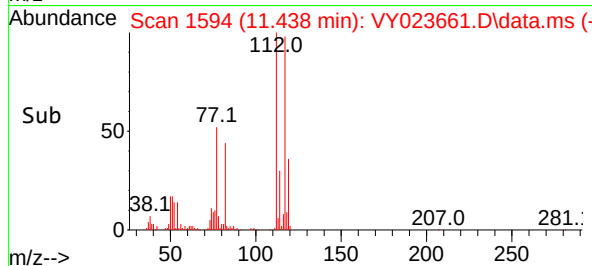
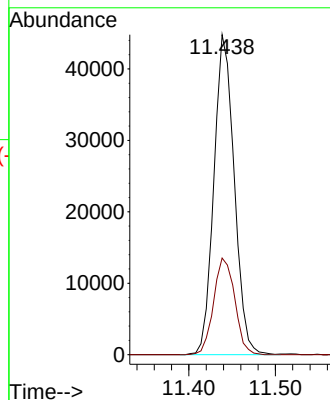
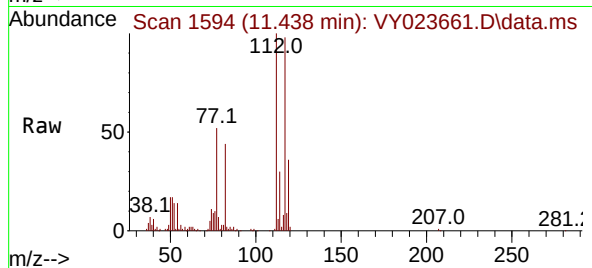
114 30.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 5.143 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

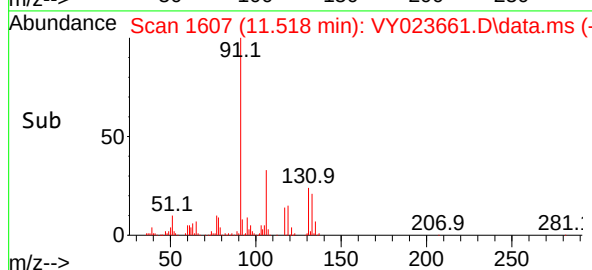
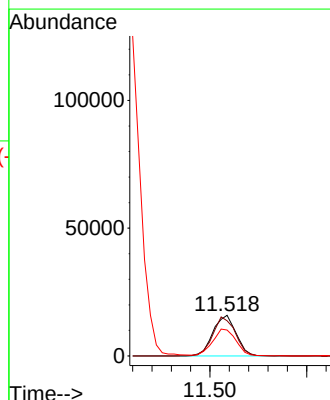
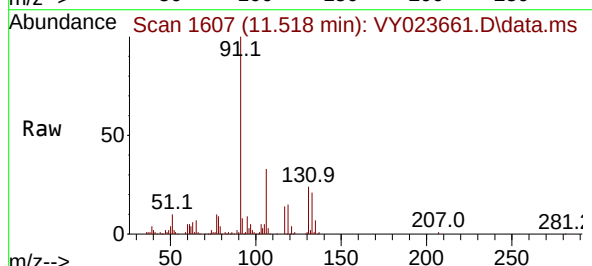
Tgt Ion:131 Resp: 26429

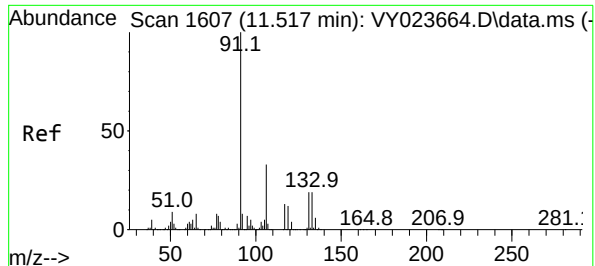
Ion Ratio Lower Upper

131 100

133 94.6 47.3 141.8

119 67.5 32.5 97.4





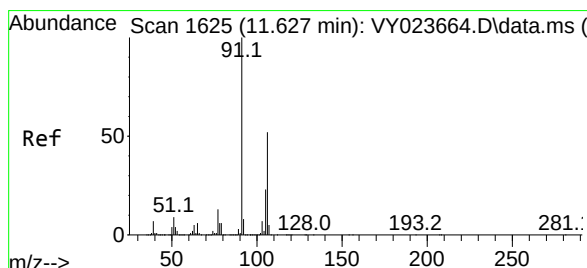
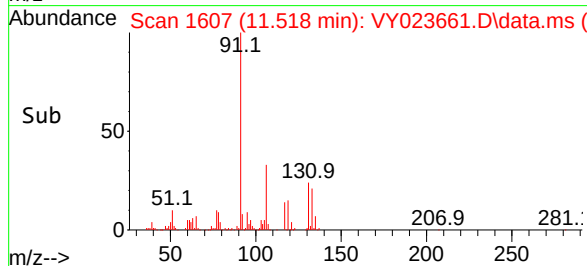
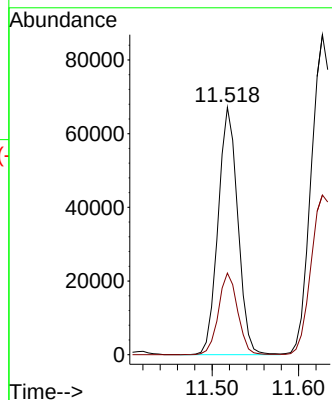
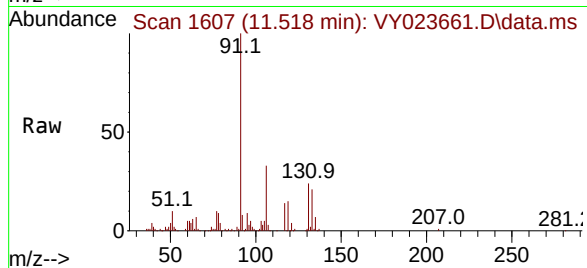
#67
Ethyl Benzene
Concen: 4.508 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 10604
Ion Ratio Lower Upper
91 100
106 33.0 26.6 40.0

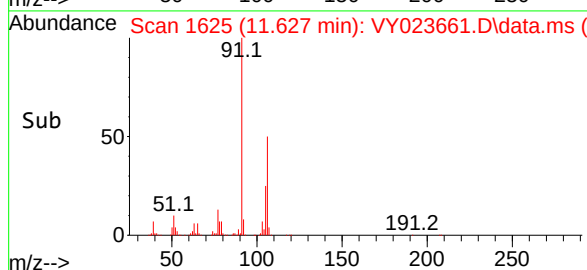
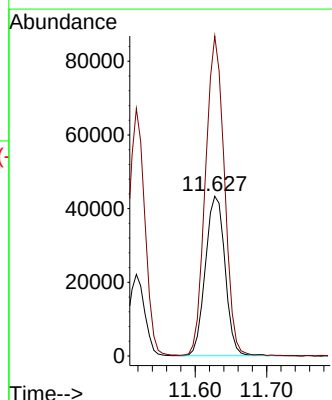
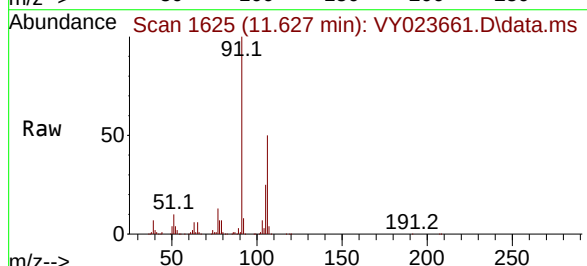
Manual Integrations
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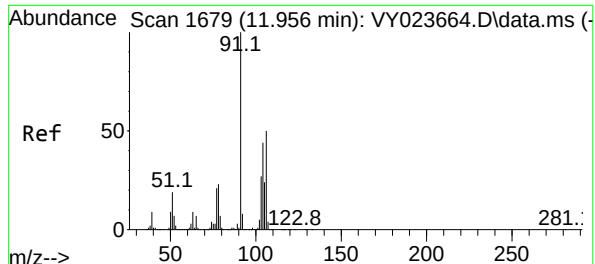
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#68
m/p-Xylenes
Concen: 8.785 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion:106 Resp: 82562
Ion Ratio Lower Upper
106 100
91 194.5 154.3 231.5





#69

o-Xylene

Concen: 4.317 ug/l

RT: 11.951 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 3750

Ion Ratio Lower Upper

106 100

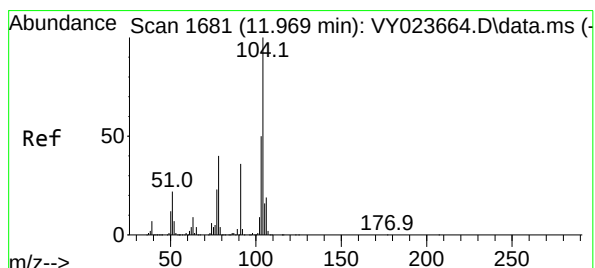
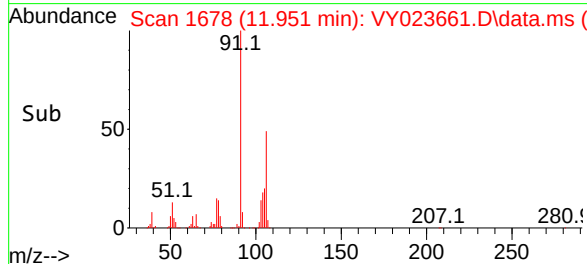
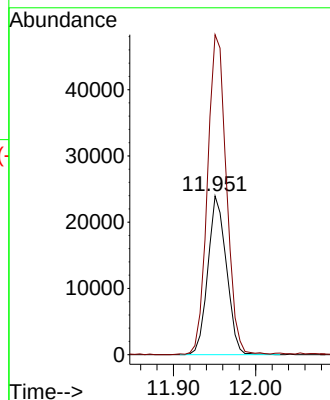
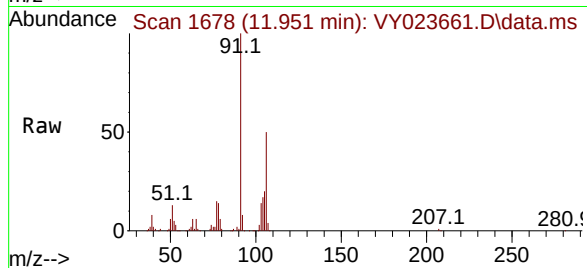
91 206.2 101.6 304.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#70

Styrene

Concen: 4.204 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

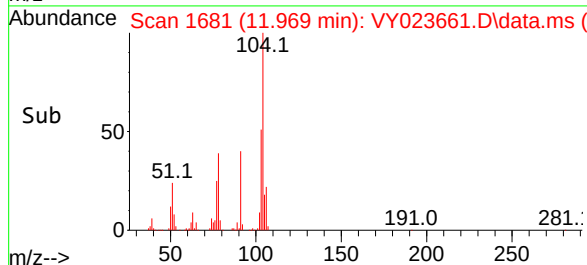
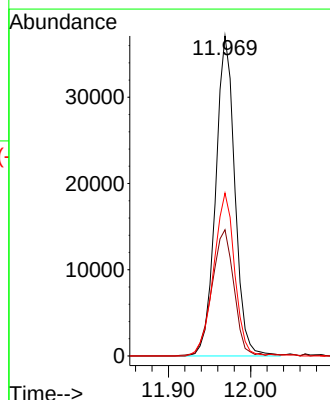
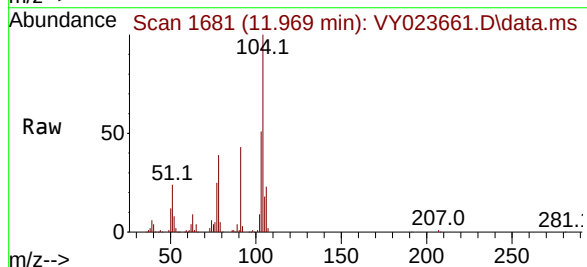
Tgt Ion:104 Resp: 60258

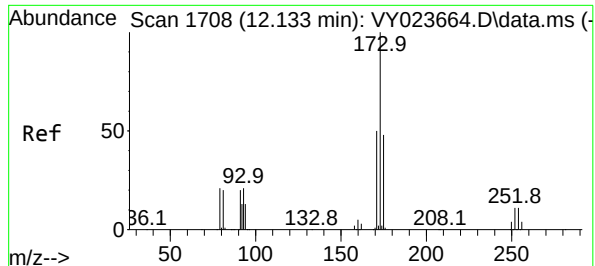
Ion Ratio Lower Upper

104 100

78 45.2 36.5 54.7

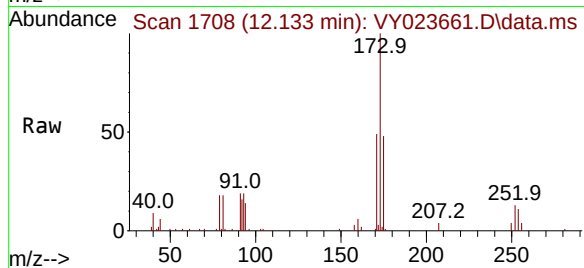
103 55.5 43.7 65.5





#71
Bromoform
Concen: 4.944 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

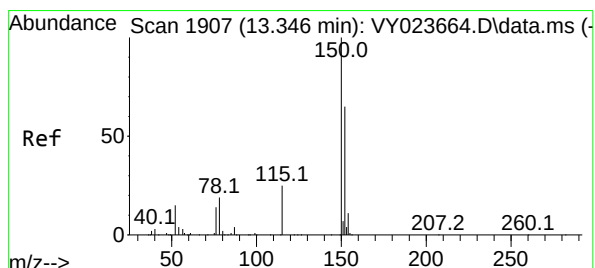
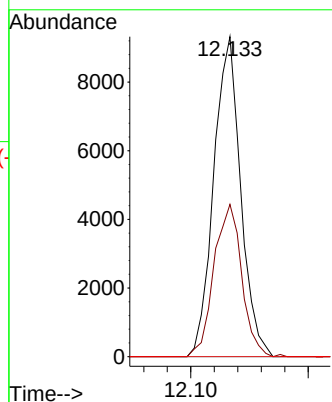
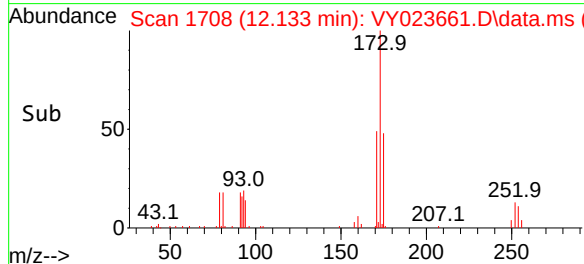
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005



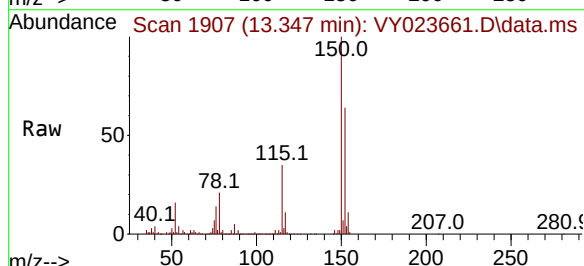
Tgt Ion:173 Resp: 14838
Ion Ratio Lower Upper
173 100
175 49.1 24.2 72.6
254 0.0 0.2 0.2

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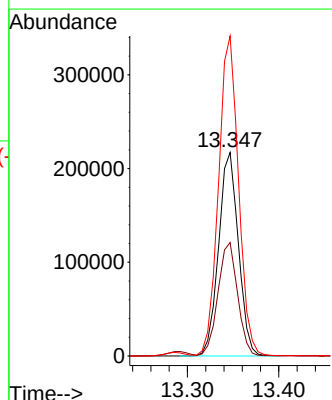
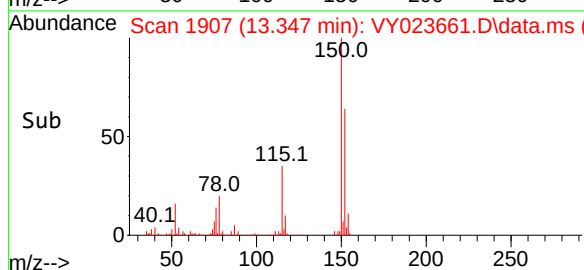
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

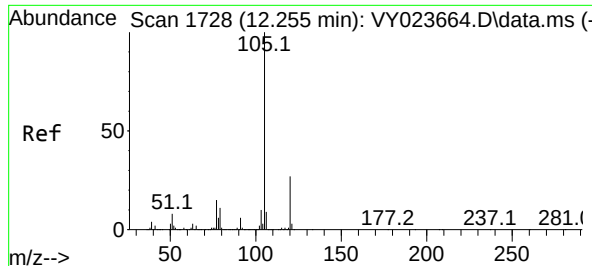


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19



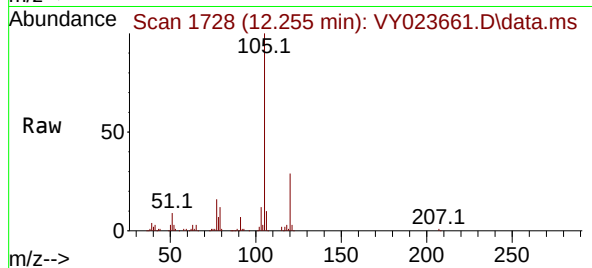
Tgt Ion:152 Resp: 326953
Ion Ratio Lower Upper
152 100
115 55.2 27.5 82.5
150 158.5 0.0 349.0





#73
Isopropylbenzene
Concen: 4.396 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

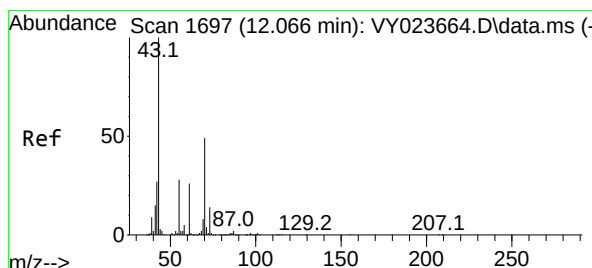
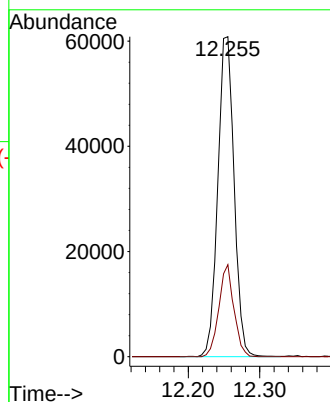
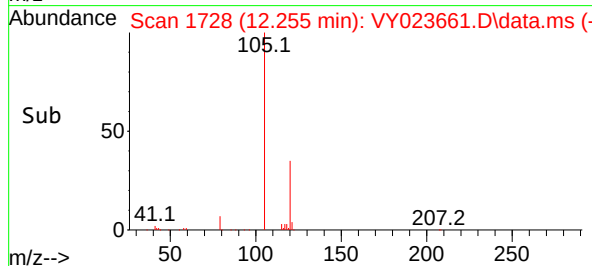
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:105 Resp: 96120
Ion Ratio Lower Upper
105 100
120 26.5 13.6 40.7

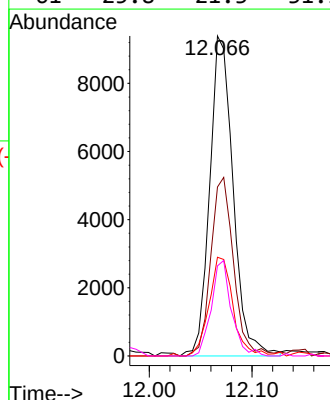
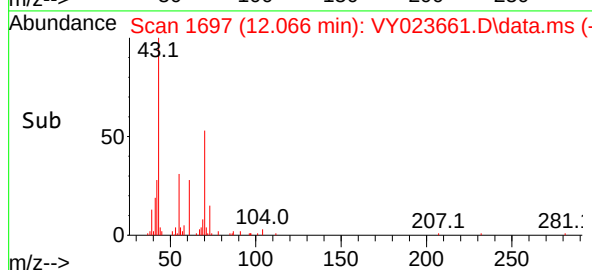
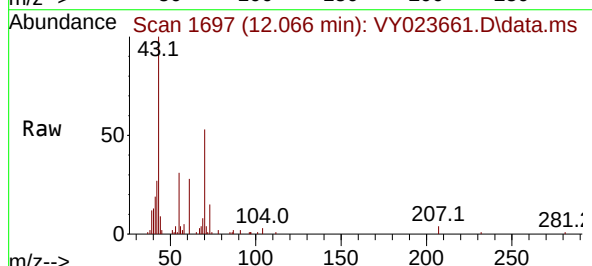
Manual Integrations
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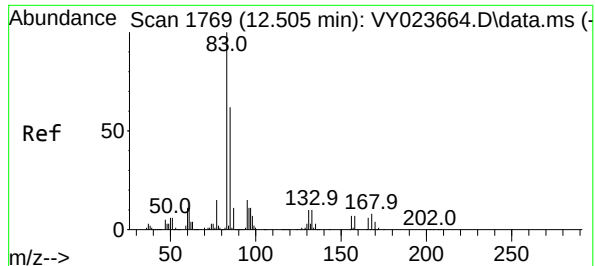
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 4.019 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 43 Resp: 14878
Ion Ratio Lower Upper
43 100
70 54.2 40.1 60.1
55 31.8 23.0 34.6
61 25.8 21.3 31.9





#75

1,1,2-Tetrachloroethane

Concen: 5.181 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

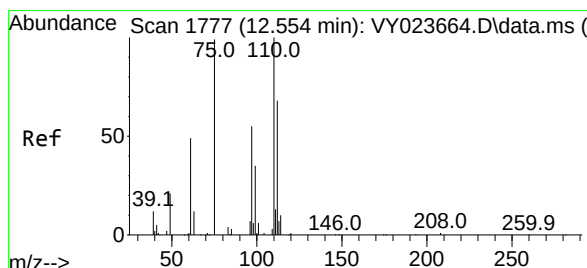
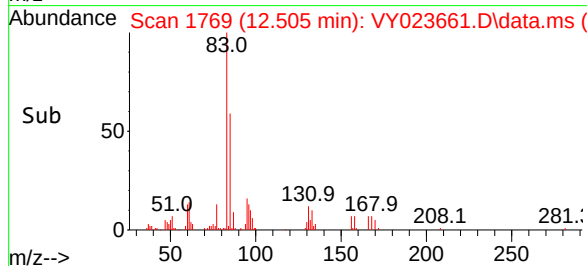
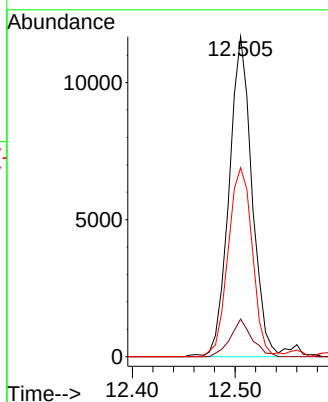
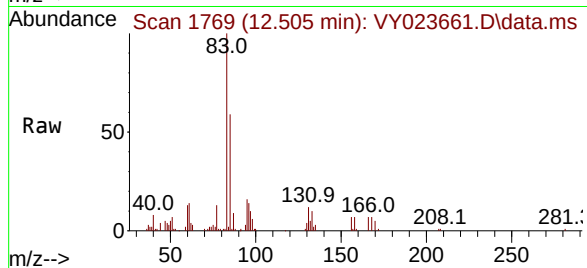
Tgt Ion:	83	Resp:	18090
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.7	17.0
85	62.6	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#76

1,2,3-Trichloropropane

Concen: 4.977 ug/l m

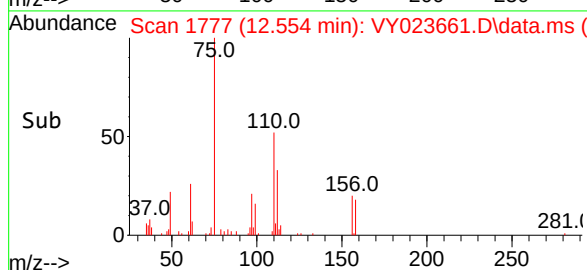
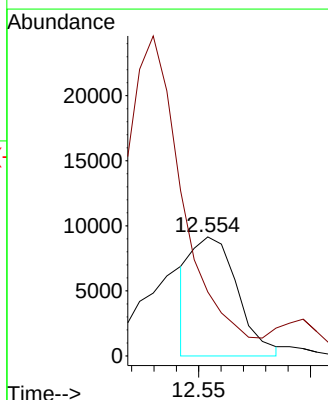
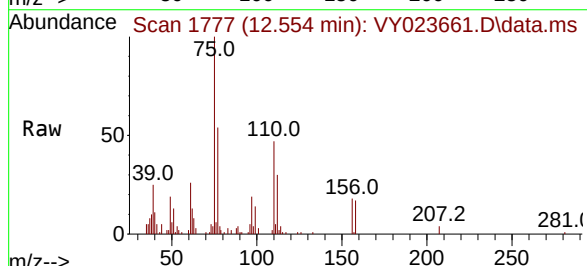
RT: 12.554 min Scan# 1777

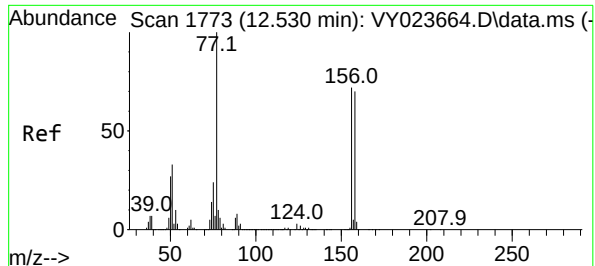
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	75	Resp:	13170
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





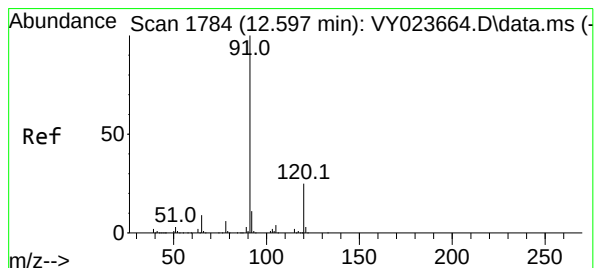
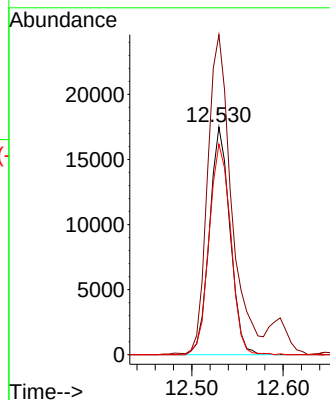
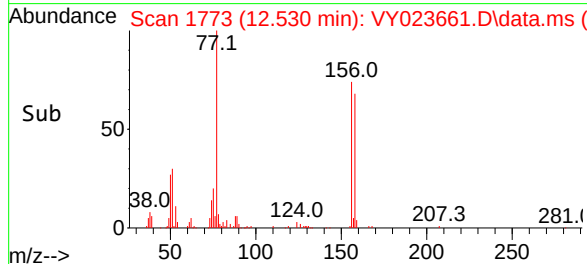
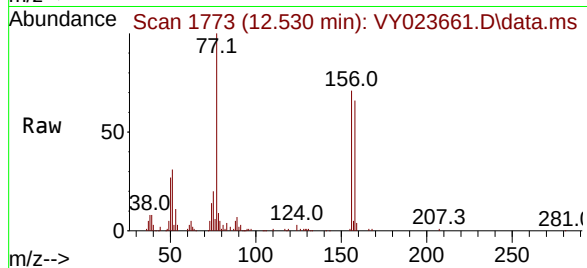
#77
Bromobenzene
Concen: 4.826 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 156 Resp: 2737
Ion Ratio Lower Upper
156 100
77 163.9 77.9 233.7
158 96.8 48.5 145.5

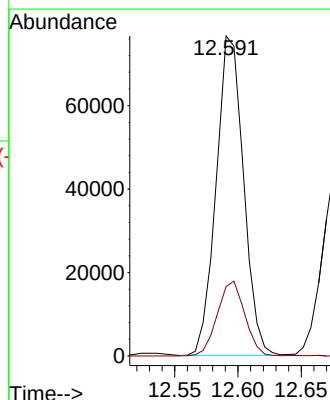
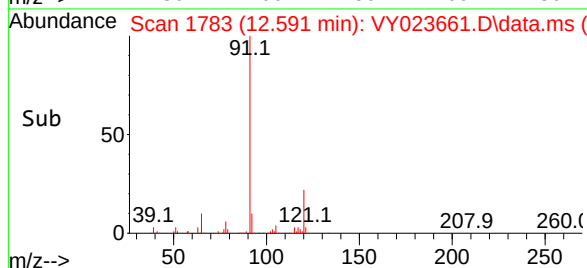
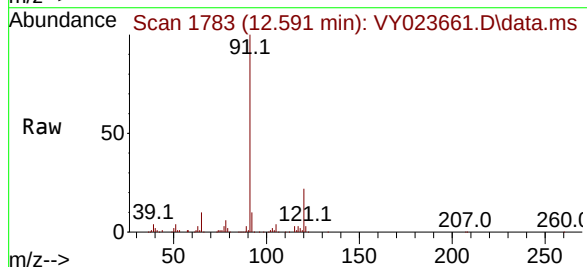
Manual Integrations
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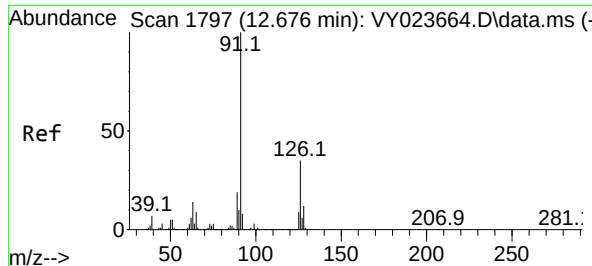
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 4.482 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 91 Resp: 115286
Ion Ratio Lower Upper
91 100
120 23.5 12.0 36.1





#79

2-Chlorotoluene

Concen: 4.599 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 6864

Ion Ratio Lower Upper

91 100

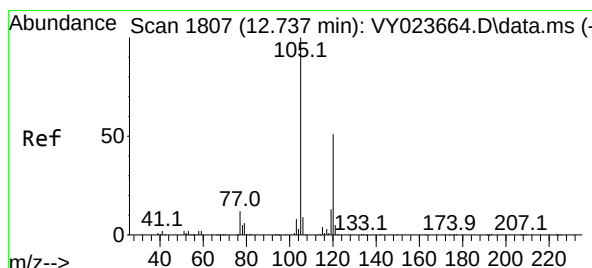
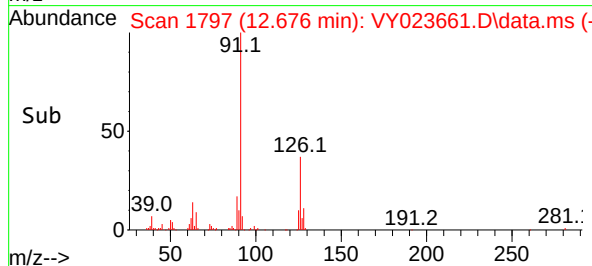
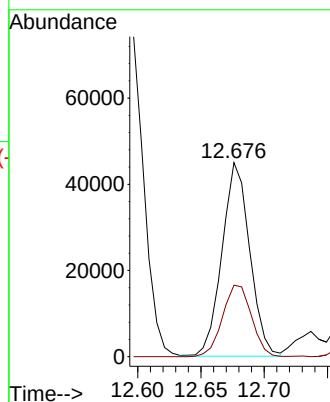
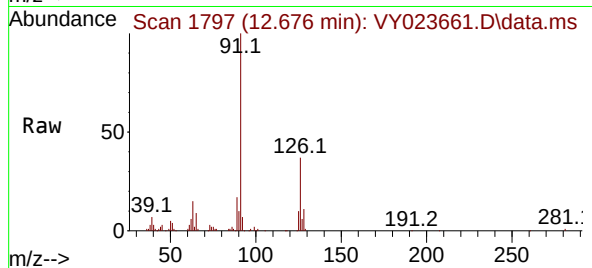
126 38.6 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.288 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023661.D

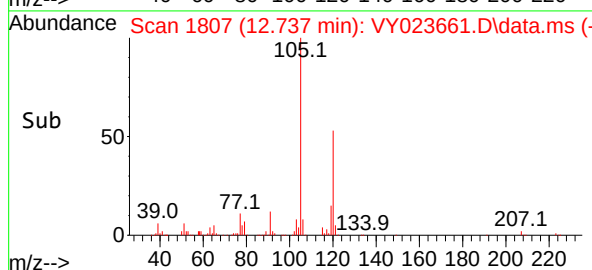
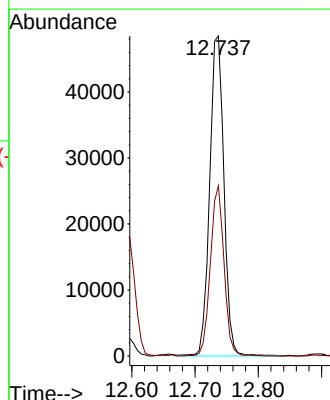
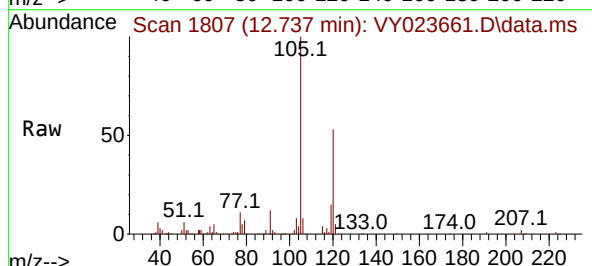
Acq: 04 Nov 2025 09:19

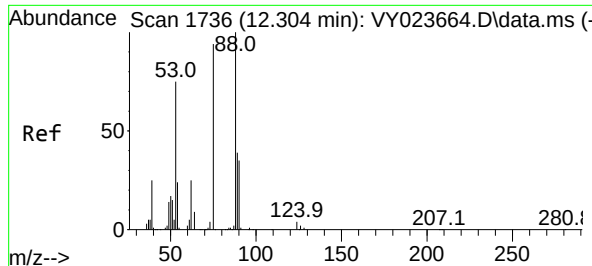
Tgt Ion:105 Resp: 76176

Ion Ratio Lower Upper

105 100

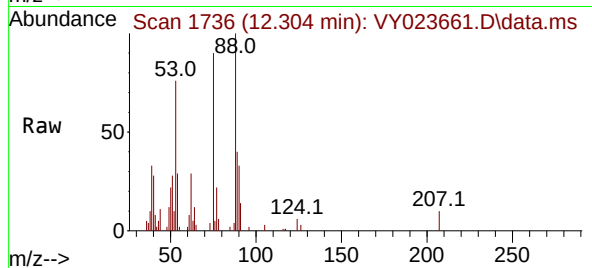
120 50.9 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 4.829 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

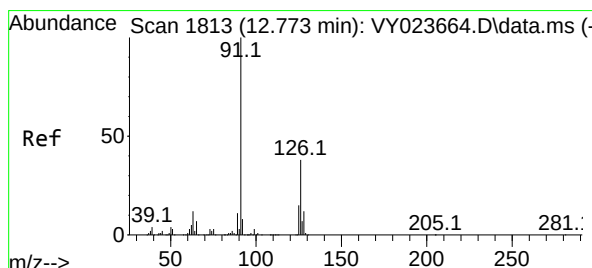
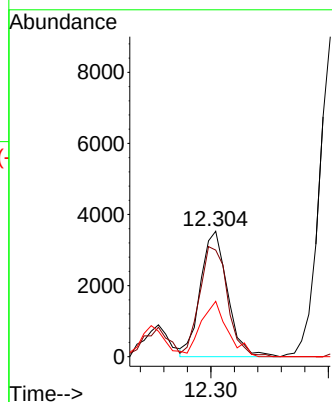
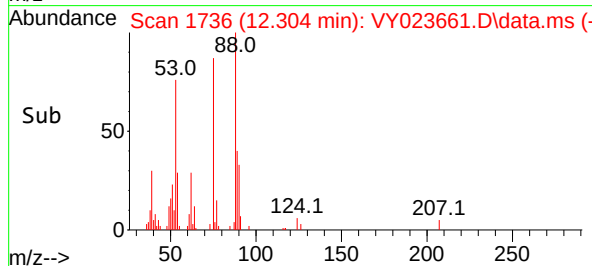
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 5654
Ion Ratio Lower Upper
75 100
53 90.7 69.6 104.4
89 43.1 38.2 57.4

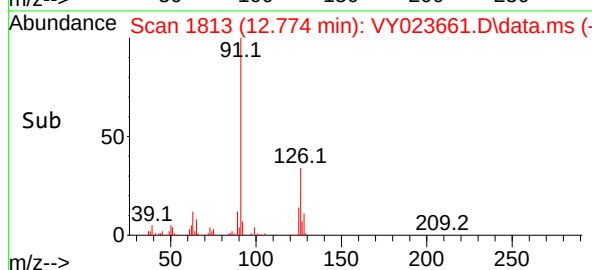
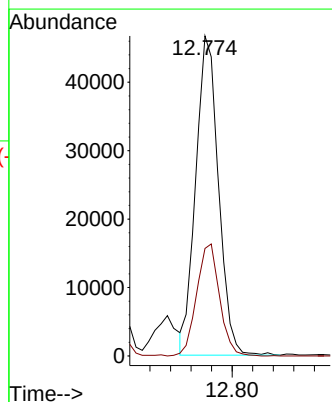
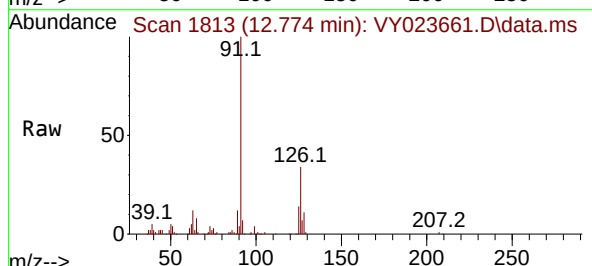
Manual Integrations
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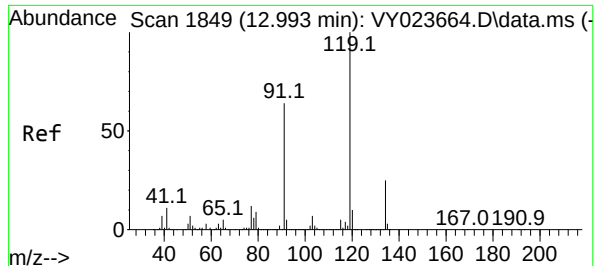
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 4.657 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 91 Resp: 71686
Ion Ratio Lower Upper
91 100
126 35.4 18.1 54.4





#83

tert-Butylbenzene

Concen: 4.388 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

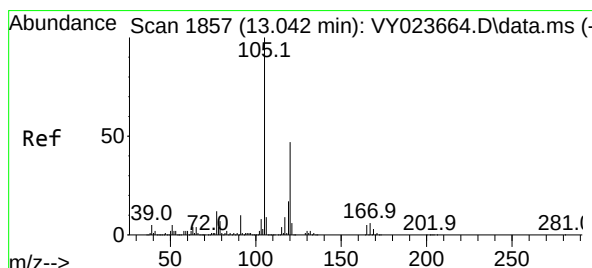
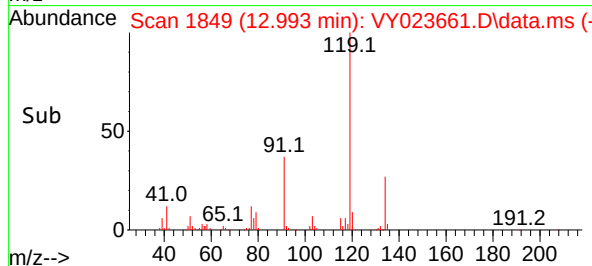
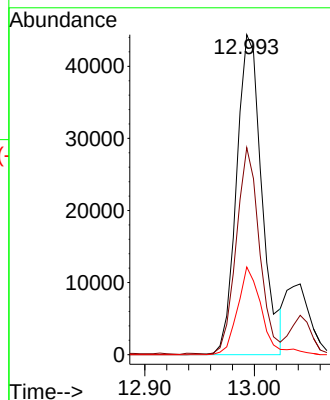
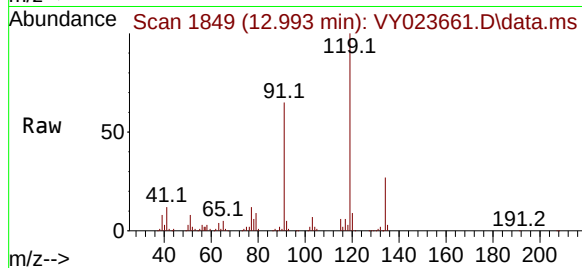
VSTDICC005

Tgt Ion:	119	Resp:	70998
Ion Ratio	Lower	Upper	
119	100		
91	59.4	30.7	92.1
134	26.2	13.1	39.1

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.177 ug/l

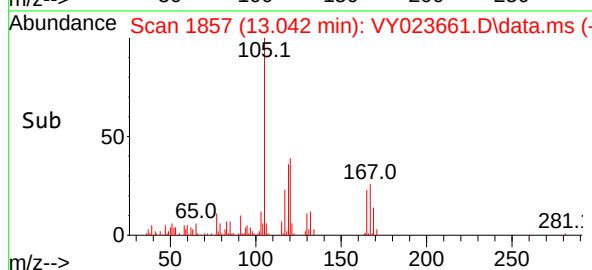
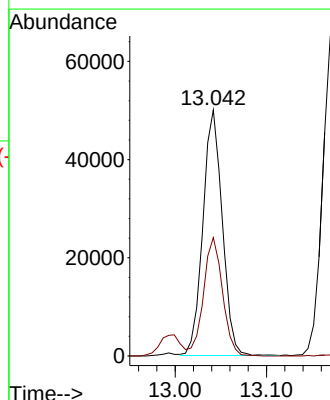
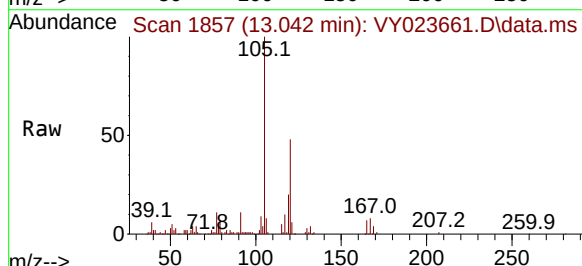
RT: 13.042 min Scan# 1857

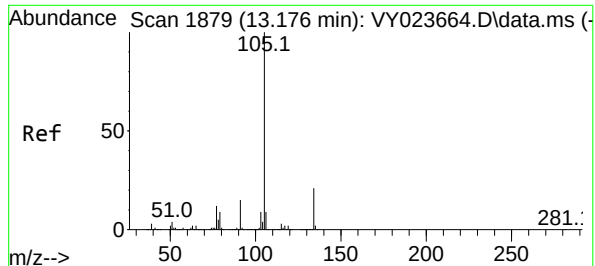
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	105	Resp:	73513
Ion Ratio	Lower	Upper	
105	100		
120	47.4	23.2	69.6





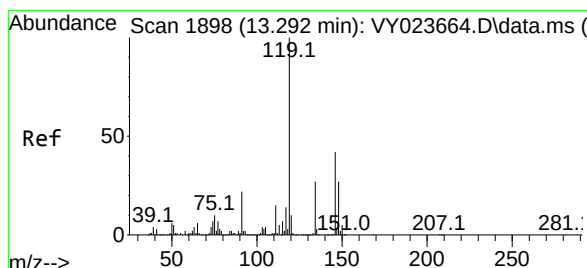
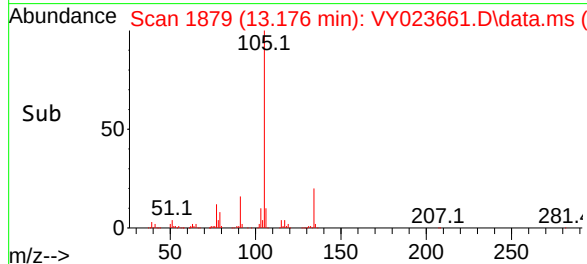
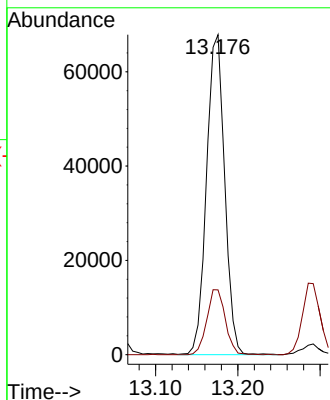
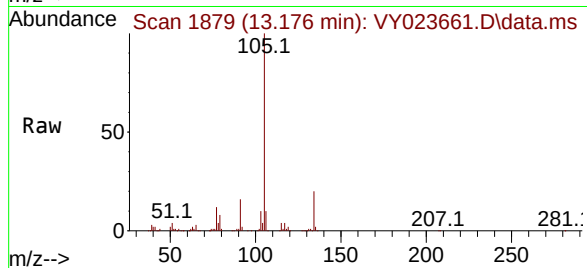
#85
sec-Butylbenzene
Concen: 4.450 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 10385
Ion Ratio Lower Upper
105 100
134 20.6 10.4 31.4

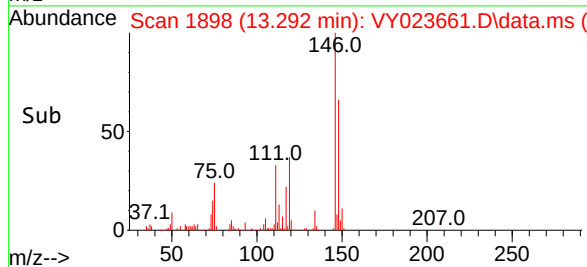
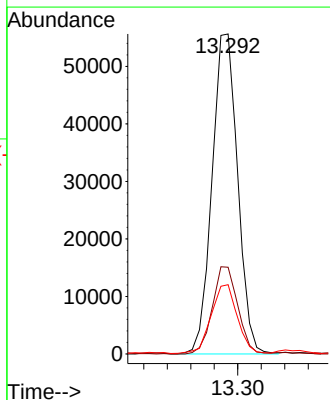
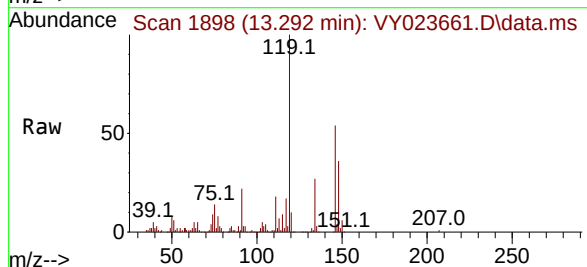
Manual Integrations
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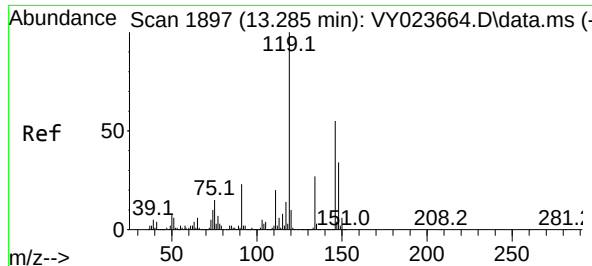
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#86
p-Isopropyltoluene
Concen: 4.265 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion:119 Resp: 84269
Ion Ratio Lower Upper
119 100
134 27.0 13.4 40.2
91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 4.919 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

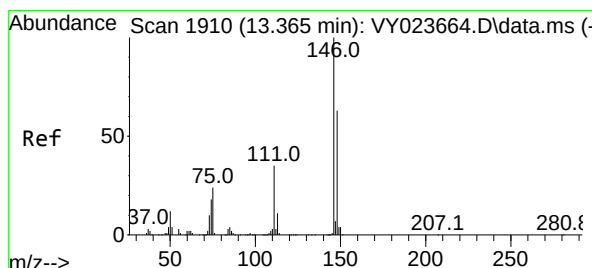
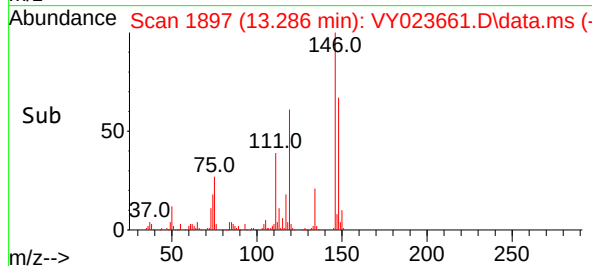
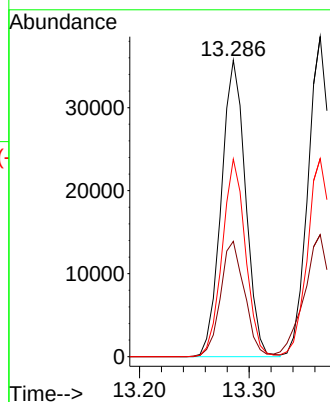
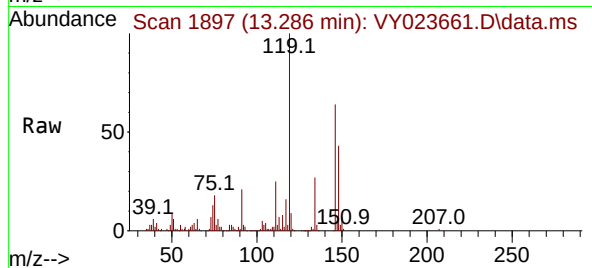
Tgt Ion:	146	Resp:	54910
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.8	56.3
148	63.9	31.9	95.5

Manual Integrations

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Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 5.223 ug/l

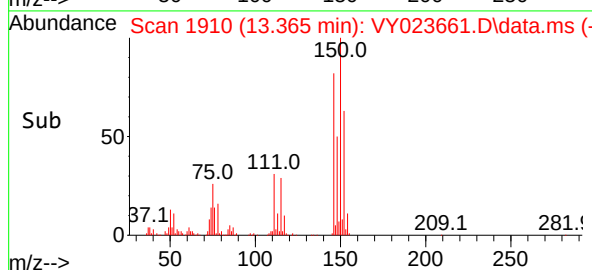
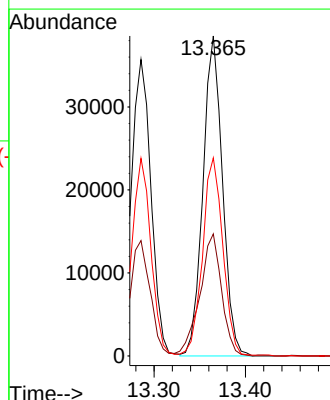
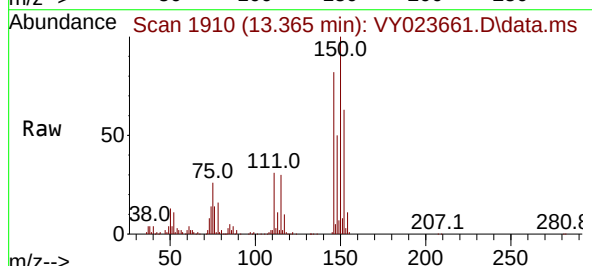
RT: 13.365 min Scan# 1910

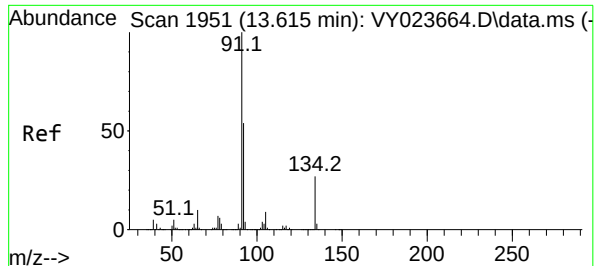
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Tgt Ion:	146	Resp:	57281
Ion Ratio	Lower	Upper	
146	100		
111	42.7	18.3	54.8
148	64.8	31.8	95.3





#89

n-Butylbenzene

Concen: 4.364 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

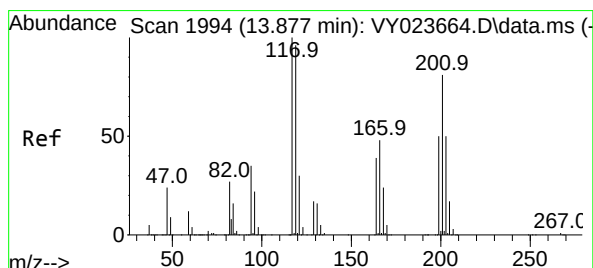
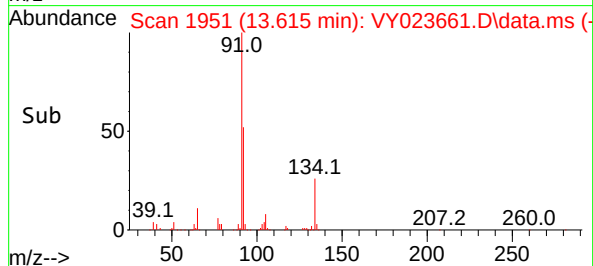
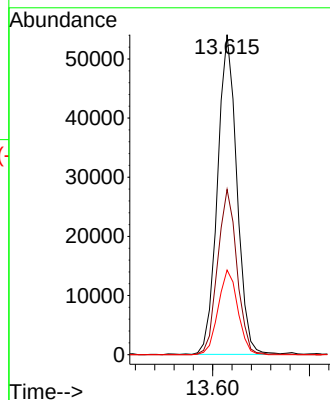
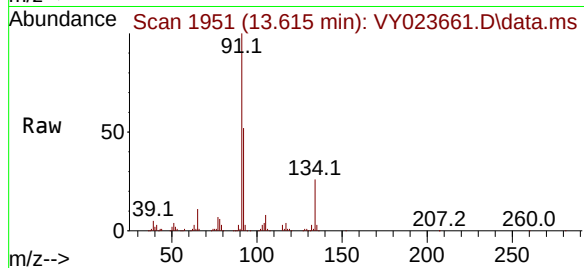
Tgt Ion:	91	Resp:	74974
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.5	79.4
134	26.9	13.7	41.1

Manual Integrations

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Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 5.060 ug/l

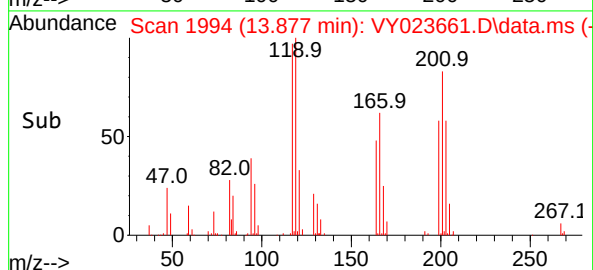
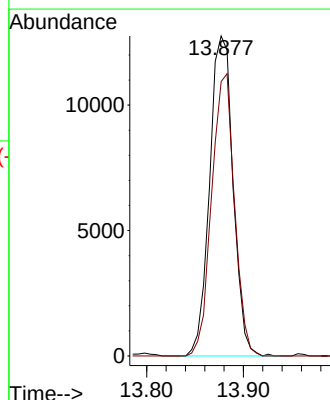
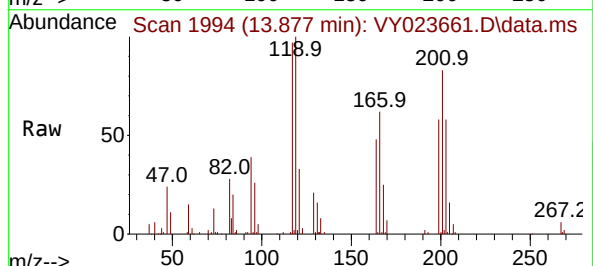
RT: 13.877 min Scan# 1994

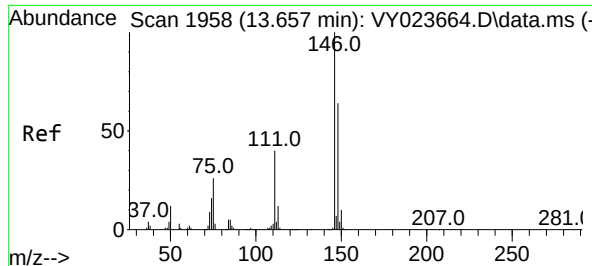
Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

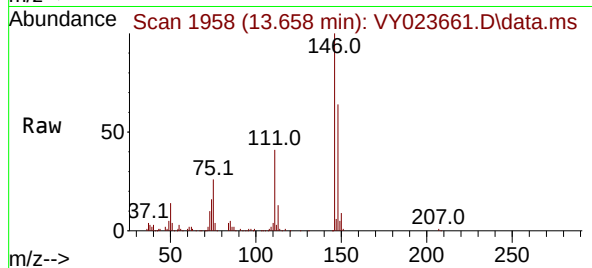
Tgt Ion:	117	Resp:	21483
Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.3	126.8





#91
1,2-Dichlorobenzene
Concen: 4.989 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

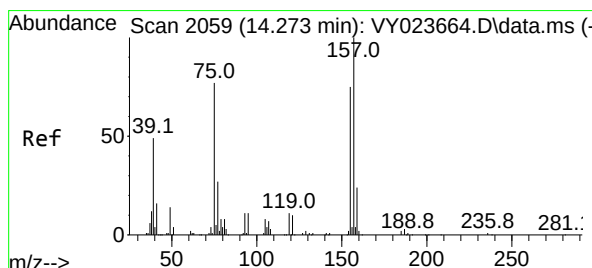
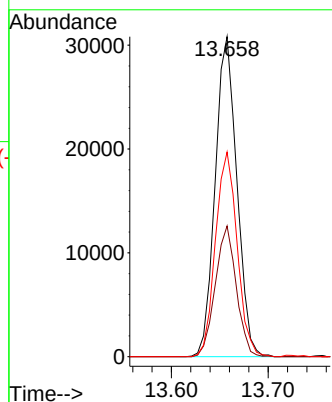
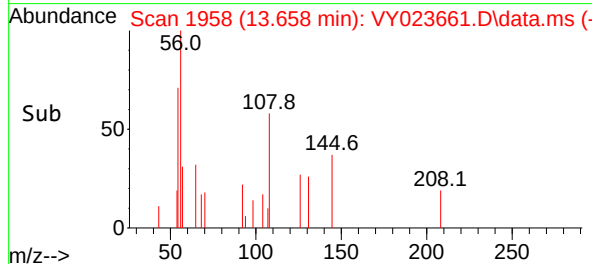
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 4799
Ion Ratio Lower Upper
146 100
111 39.5 19.5 58.5
148 63.9 31.9 95.9

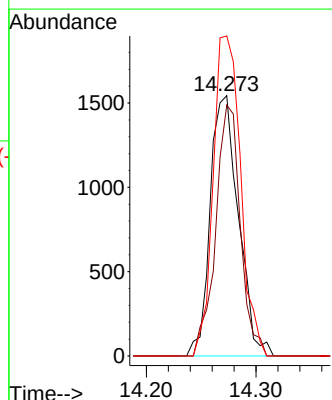
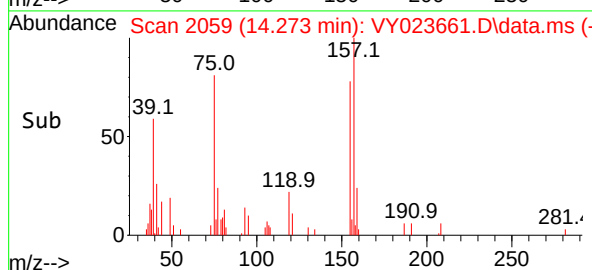
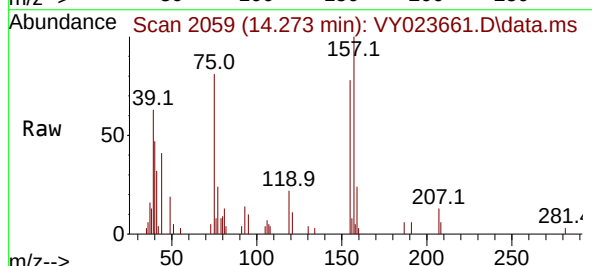
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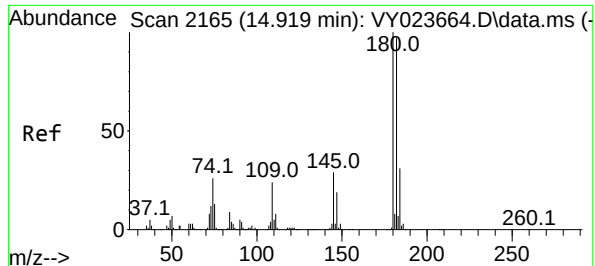
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.138 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion: 75 Resp: 2763
Ion Ratio Lower Upper
75 100
155 84.5 49.4 148.2
157 119.2 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 4.384 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tgt Ion:180 Resp: 24120

Ion Ratio Lower Upper

180 100

182 93.2 47.5 142.6

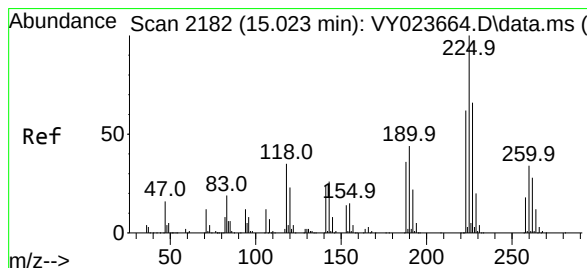
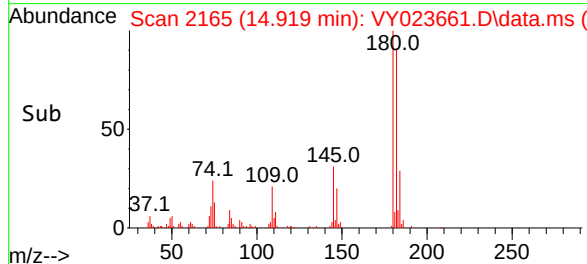
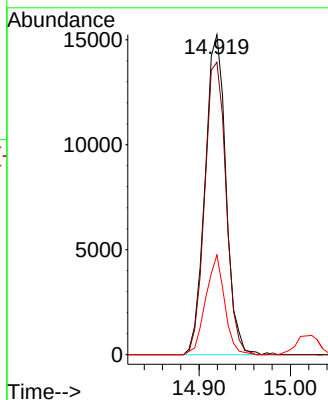
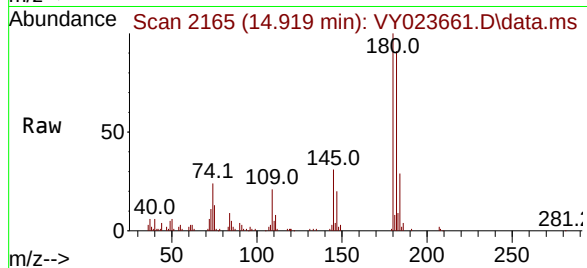
145 28.2 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 5.086 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023661.D

Acq: 04 Nov 2025 09:19

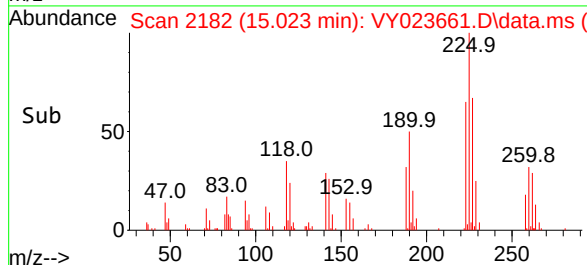
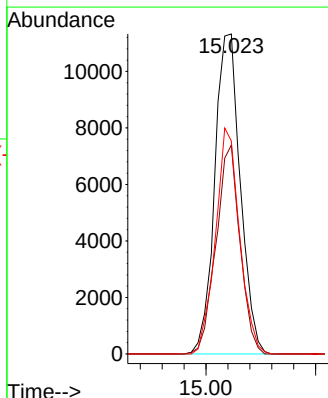
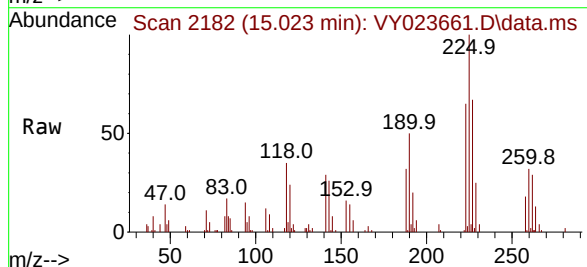
Tgt Ion:225 Resp: 18339

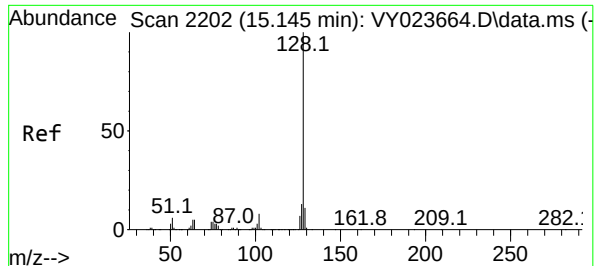
Ion Ratio Lower Upper

225 100

223 61.1 30.8 92.3

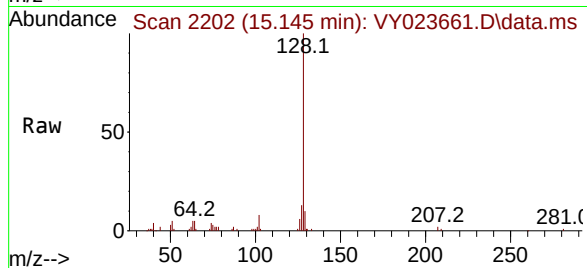
227 66.5 32.0 96.2





#95
Naphthalene
Concen: 8.168 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

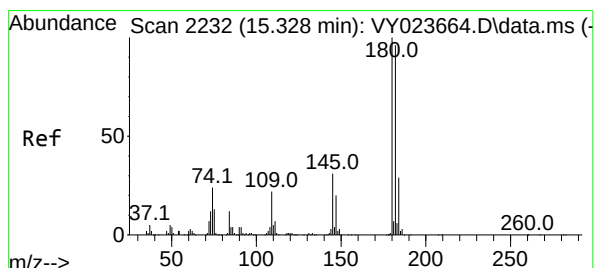
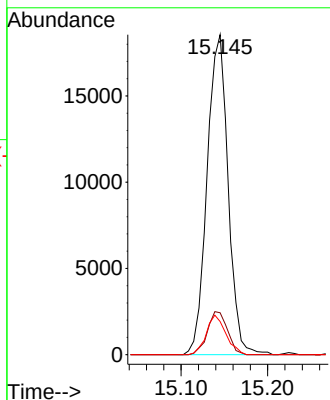
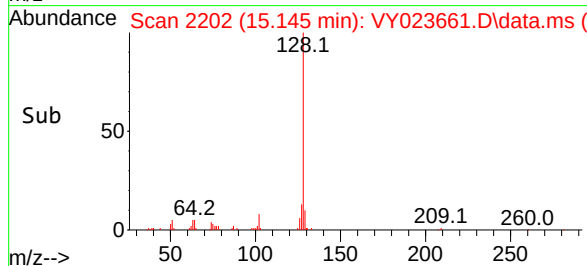
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005



Tgt Ion:128 Resp: 3125
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.5 8.8 13.2

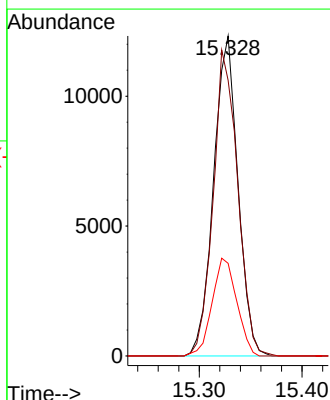
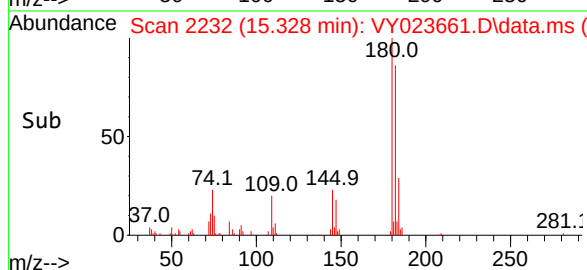
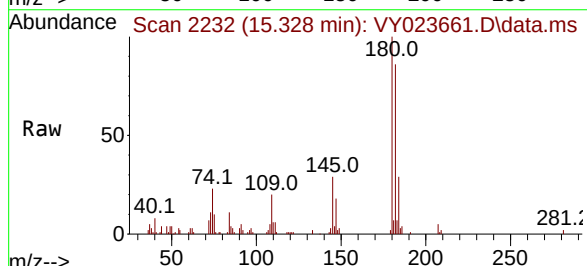
Manual Integrations
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Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.405 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023661.D
Acq: 04 Nov 2025 09:19

Tgt Ion:180 Resp: 20253
Ion Ratio Lower Upper
180 100
182 96.0 47.5 142.6
145 30.9 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023662.D
Acq On : 04 Nov 2025 09:42
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Nov 05 04:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 2025
Response via : Initial Calibration

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	529353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	803774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	690563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	340245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	45020	9.970	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	19.940%#
35) Dibromofluoromethane	7.640	113	50749	10.103	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.200%#
50) Toluene-d8	10.109	98	184529	9.862	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	19.720%#
62) 4-Bromofluorobenzene	12.401	95	56847	9.395	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	18.780%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	40187	11.565	ug/l	97
3) Chloromethane	2.074	50	54024	11.110	ug/l	100
4) Vinyl Chloride	2.208	62	70038	11.069	ug/l	98
5) Bromomethane	2.598	94	58773	11.043	ug/l	94
6) Chloroethane	2.738	64	48132	11.006	ug/l	100
7) Trichlorofluoromethane	3.055	101	96161	10.791	ug/l	100
8) Diethyl Ether	3.458	74	24107	10.088	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.817	101	53535	10.904	ug/l	99
10) Methyl Iodide	4.006	142	57829	9.974	ug/l	99
11) Tert butyl alcohol	4.866	59	14032	48.194	ug/l	97
12) 1,1-Dichloroethene	3.793	96	48878	10.335	ug/l	97
13) Acrolein	3.653	56	19002	50.776	ug/l	97
14) Allyl chloride	4.390	41	56587	9.830	ug/l	99
15) Acrylonitrile	5.067	53	42033	46.026	ug/l	98
16) Acetone	3.872	43	55971	49.867	ug/l	99
17) Carbon Disulfide	4.110	76	155402	10.705	ug/l	100
18) Methyl Acetate	4.390	43	21794	8.803	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	100086	9.126	ug/l	92
20) Methylene Chloride	4.622	84	56341	10.398	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	54511	10.222	ug/l	97
22) Diisopropyl ether	6.018	45	123533	9.630	ug/l #	90
23) Vinyl Acetate	5.963	43	311609	45.522	ug/l	98
24) 1,1-Dichloroethane	5.921	63	86555	10.129	ug/l	97
25) 2-Butanone	6.896	43	59816	46.094	ug/l	99
26) 2,2-Dichloropropane	6.890	77	80230	10.207	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	61638	10.120	ug/l	99
28) Bromochloromethane	7.250	49	34809	10.638	ug/l	94
29) Tetrahydrofuran	7.274	42	31053	44.932	ug/l	96
30) Chloroform	7.420	83	98898	10.373	ug/l	98
31) Cyclohexane	7.707	56	76145	10.232	ug/l #	89
32) 1,1,1-Trichloroethane	7.615	97	88141	10.343	ug/l	99
36) 1,1-Dichloropropene	7.841	75	66838	9.958	ug/l	100
37) Ethyl Acetate	6.987	43	24198	9.313	ug/l	98
38) Carbon Tetrachloride	7.817	117	78995	9.989	ug/l	97
39) Methylcyclohexane	9.109	83	79613	9.283	ug/l	95
40) Benzene	8.079	78	212456	10.042	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023662.D
 Acq On : 04 Nov 2025 09:42
 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 :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:26:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	12643m	9.122	ug/l	
42) 1,2-Dichloroethane	8.158	62	53223	9.943	ug/l	98
43) Isopropyl Acetate	8.201	43	42964	8.800	ug/l	97
44) Trichloroethene	8.865	130	61596	10.136	ug/l	100
45) 1,2-Dichloropropane	9.139	63	45808	9.810	ug/l	95
46) Dibromomethane	9.231	93	27595	9.538	ug/l	99
47) Bromodichloromethane	9.426	83	71048	9.740	ug/l	96
48) Methyl methacrylate	9.225	41	18849	8.172	ug/l	95
49) 1,4-Dioxane	9.231	88	5062	170.965	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	109221	42.067	ug/l	98
52) Toluene	10.170	92	130648	9.672	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	56121	9.093	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	69773	9.436	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	37044	9.581	ug/l	94
56) Ethyl methacrylate	10.438	69	32716	7.680	ug/l	97
57) 1,3-Dichloropropane	10.718	76	58301	9.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	78241	40.025	ug/l	99
59) 2-Hexanone	10.761	43	79804	42.130	ug/l	95
60) Dibromochloromethane	10.914	129	50465	9.499	ug/l	100
61) 1,2-Dibromoethane	11.017	107	33380	9.199	ug/l	97
64) Tetrachloroethene	10.645	164	75769	10.541	ug/l	98
65) Chlorobenzene	11.444	112	151288	10.063	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	52459	9.868	ug/l	97
67) Ethyl Benzene	11.517	91	229438	9.430	ug/l	100
68) m/p-Xylenes	11.627	106	185401	19.072	ug/l	100
69) o-Xylene	11.956	106	82846	9.219	ug/l	99
70) Styrene	11.968	104	135208	9.119	ug/l	99
71) Bromoform	12.133	173	28921	9.315	ug/l #	99
73) Isopropylbenzene	12.255	105	217972	9.579	ug/l	99
74) N-amyl acetate	12.066	43	32719	8.492	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33622	9.251	ug/l	96
76) 1,2,3-Trichloropropane	12.553	75	30827m	11.195	ug/l	
77) Bromobenzene	12.529	156	58175	9.855	ug/l	99
78) n-propylbenzene	12.596	91	257281	9.612	ug/l	100
79) 2-Chlorotoluene	12.675	91	152691	9.830	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	177222	9.585	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11473	9.416	ug/l	95
82) 4-Chlorotoluene	12.773	91	158206	9.876	ug/l	100
83) tert-Butylbenzene	12.999	119	158294	9.400	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	177023	9.667	ug/l	100
85) sec-Butylbenzene	13.175	105	236332	9.730	ug/l	100
86) p-Isopropyltoluene	13.291	119	192560	9.365	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	115903	9.976	ug/l	100
88) 1,4-Dichlorobenzene	13.364	146	114652	10.046	ug/l	96
89) n-Butylbenzene	13.614	91	166099	9.290	ug/l	99
90) Hexachloroethane	13.876	117	44630	10.101	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	99858	9.974	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5202	9.296	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	50808	8.872	ug/l	98
94) Hexachlorobutadiene	15.023	225	37521	9.999	ug/l	99
95) Naphthalene	15.144	128	64530	11.029	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	41611	8.697	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023662.D
Acq On : 04 Nov 2025 09:42
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 :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 2025
Response via : Initial Calibration

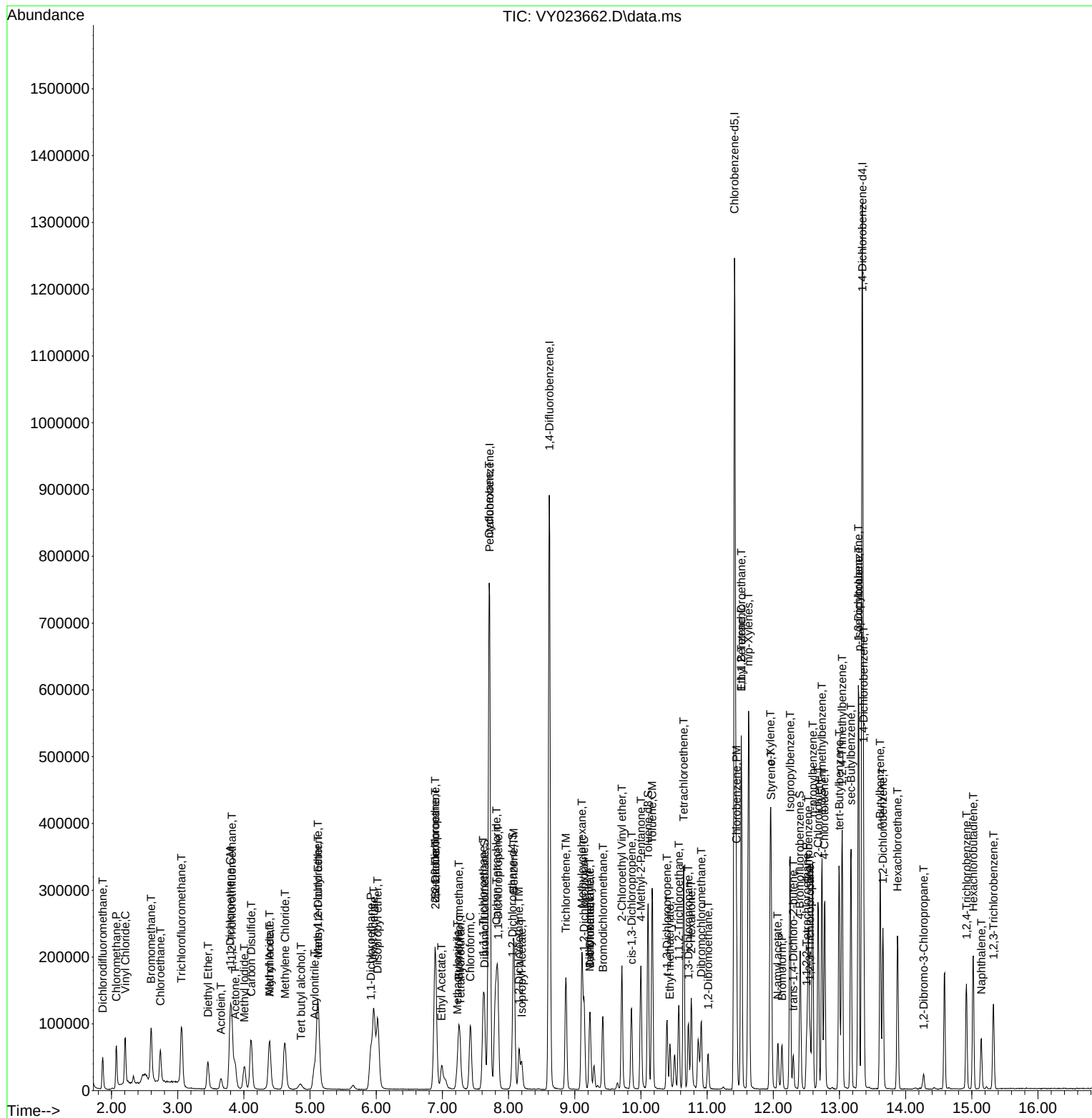
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

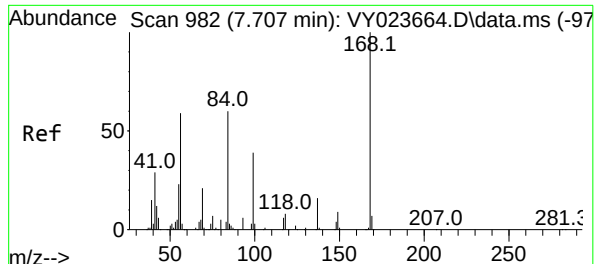
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations

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





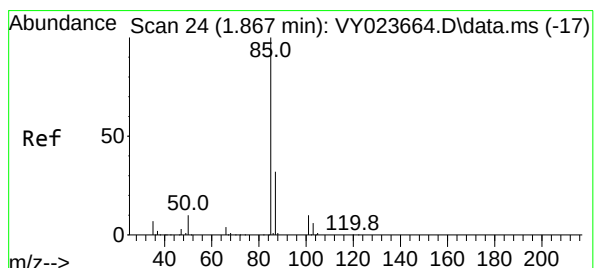
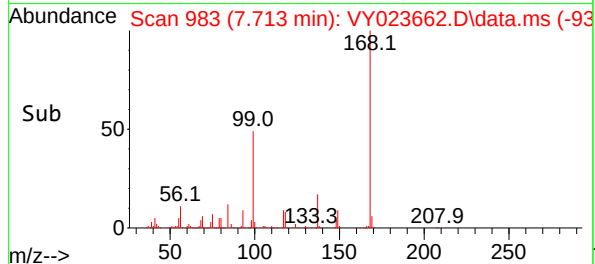
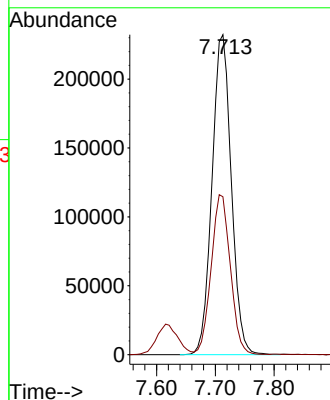
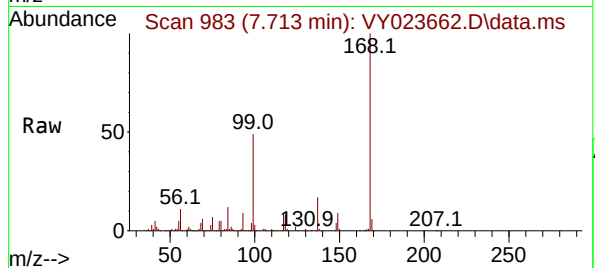
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 52935
Ion Ratio Lower Upper
168 100
99 49.3 41.0 61.4

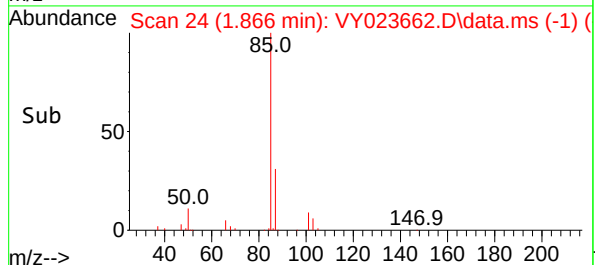
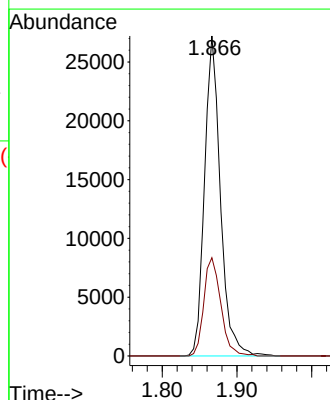
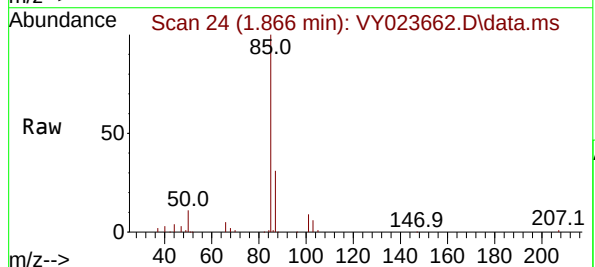
Manual Integrations
APPROVED

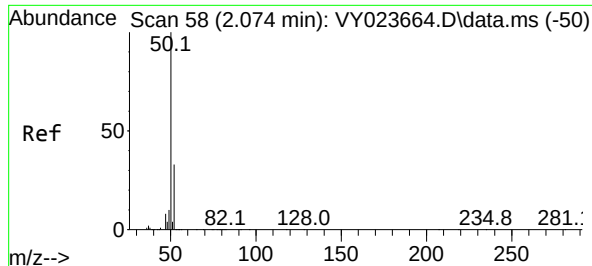
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 11.565 ug/l
RT: 1.866 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 85 Resp: 40187
Ion Ratio Lower Upper
85 100
87 30.7 16.2 48.6





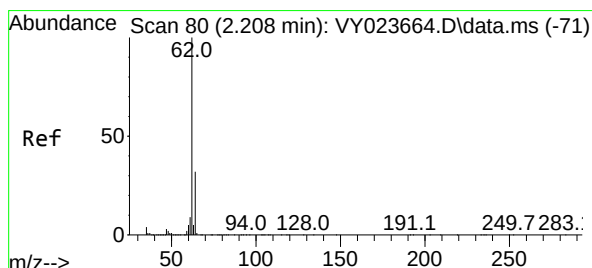
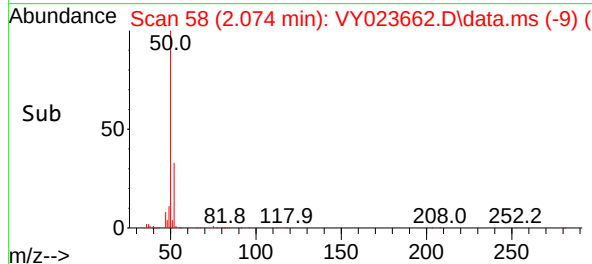
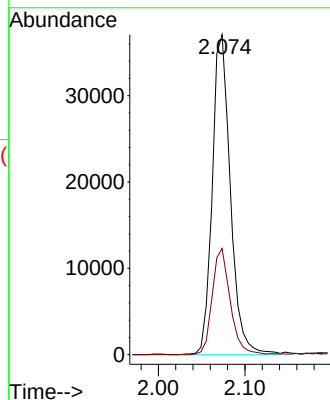
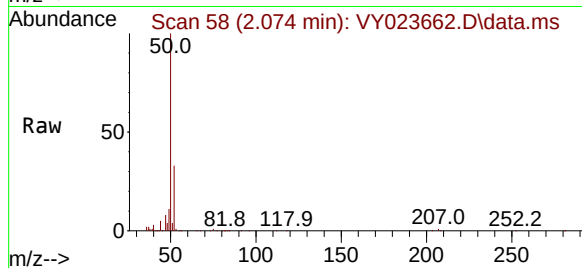
#3
Chloromethane
Concen: 11.110 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 50 Resp: 54024
Ion Ratio Lower Upper
50 100
52 33.2 26.5 39.7

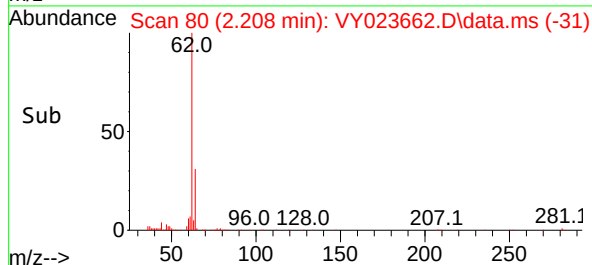
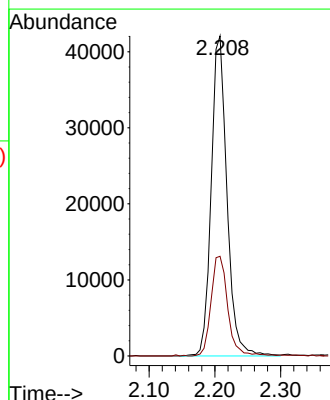
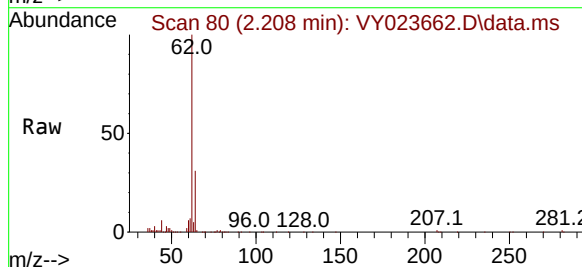
Manual Integrations
APPROVED

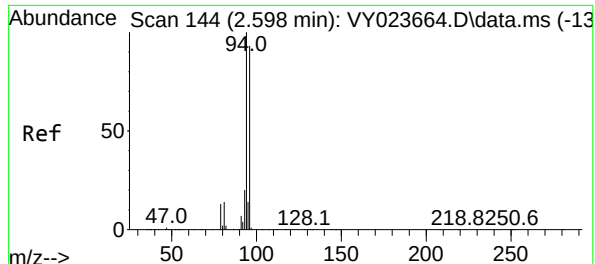
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#4
Vinyl Chloride
Concen: 11.069 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 62 Resp: 70038
Ion Ratio Lower Upper
62 100
64 31.2 25.7 38.5





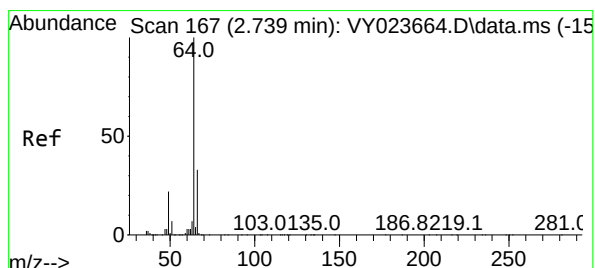
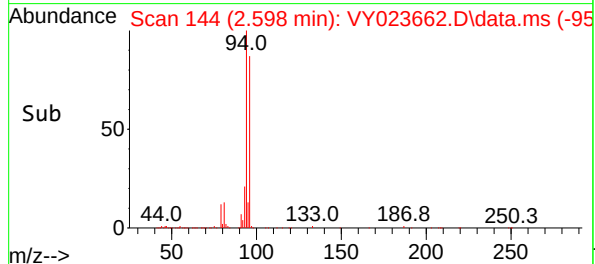
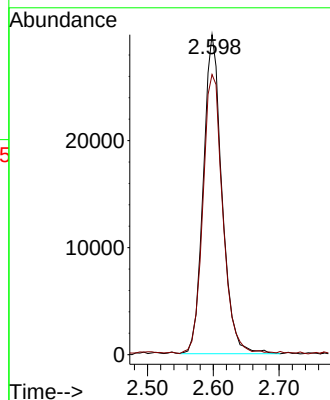
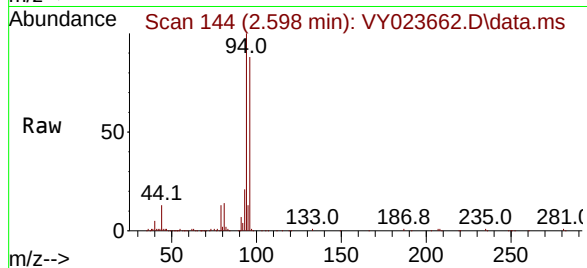
#5
Bromomethane
Concen: 11.043 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 94 Resp: 5877
Ion Ratio Lower Upper
94 100
96 87.4 74.4 111.6

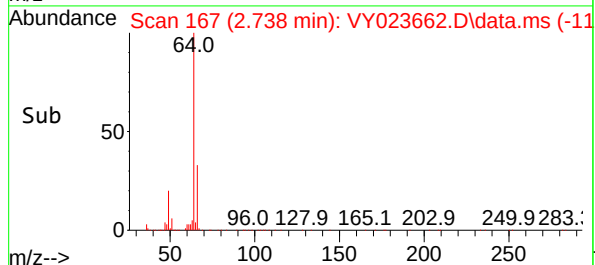
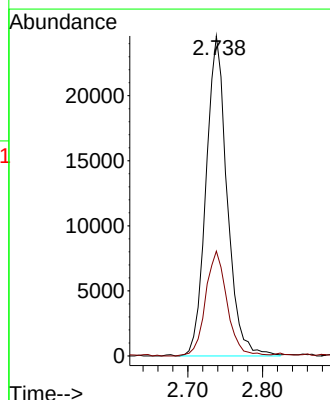
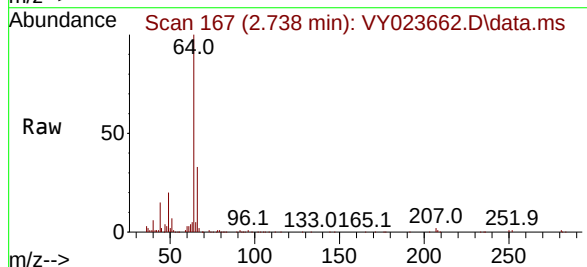
Manual Integrations
APPROVED

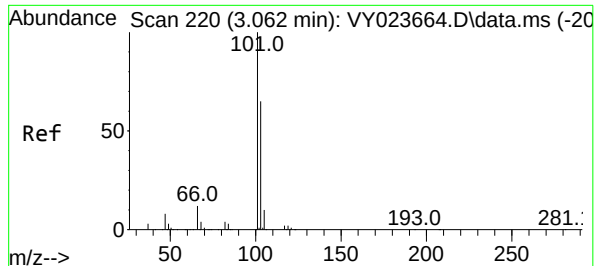
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 11.006 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

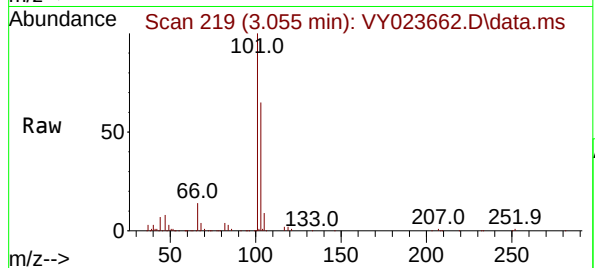
Tgt Ion: 64 Resp: 48132
Ion Ratio Lower Upper
64 100
66 32.5 26.2 39.4





#7
Trichlorofluoromethane
Concen: 10.791 ug/l
RT: 3.055 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

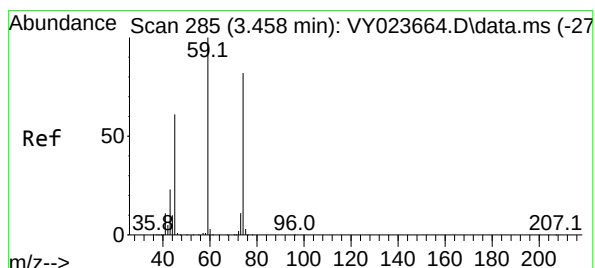
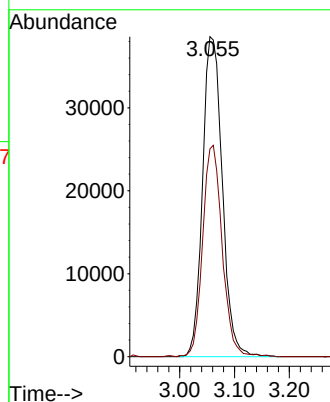
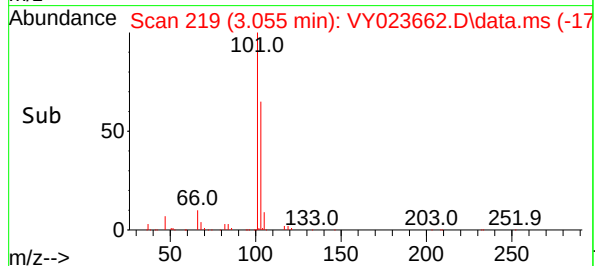
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:101 Resp: 9616
Ion Ratio Lower Upper
101 100
103 65.0 52.1 78.1

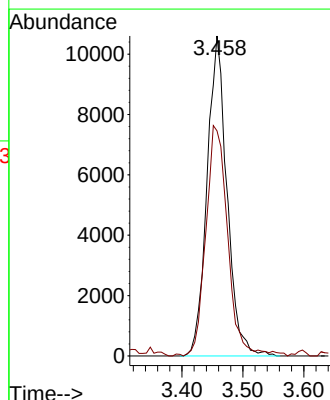
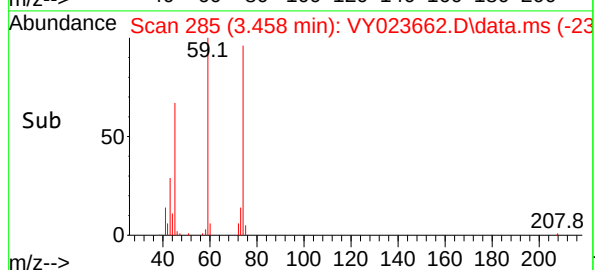
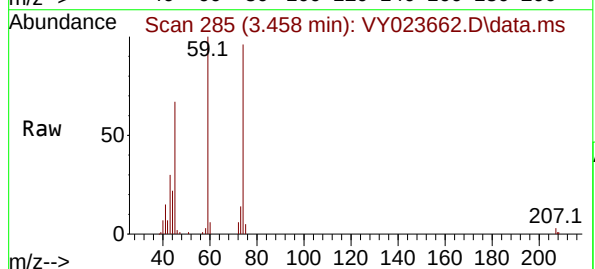
Manual Integrations
APPROVED

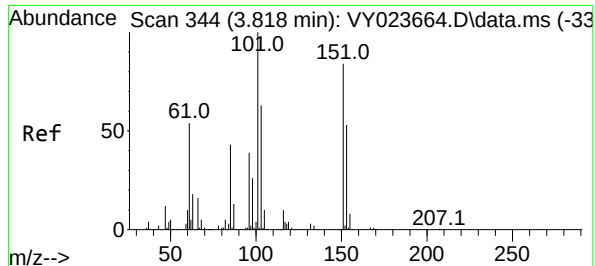
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 10.088 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 74 Resp: 24107
Ion Ratio Lower Upper
74 100
45 79.2 40.6 121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.904 ug/l

RT: 3.817 min Scan# 344

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

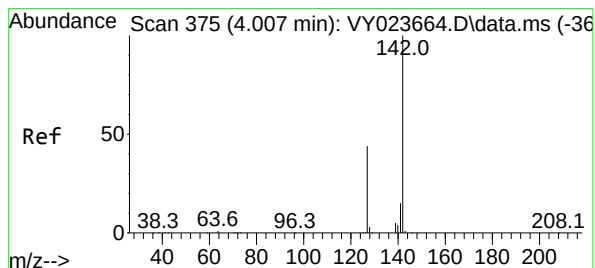
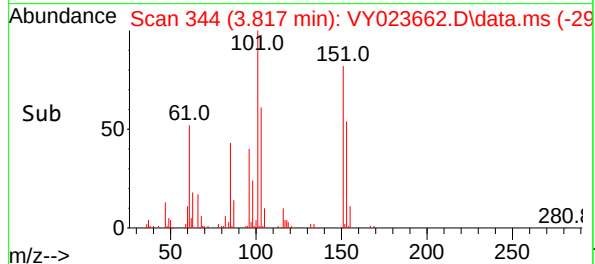
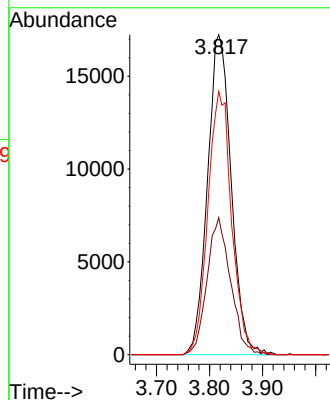
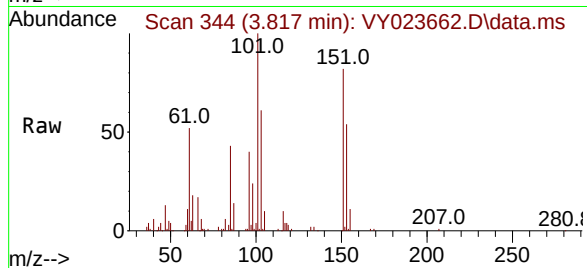
Tgt Ion:	101	Resp:	5353
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.4	51.6
151	82.7	65.6	98.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#10

Methyl Iodide

Concen: 9.974 ug/l

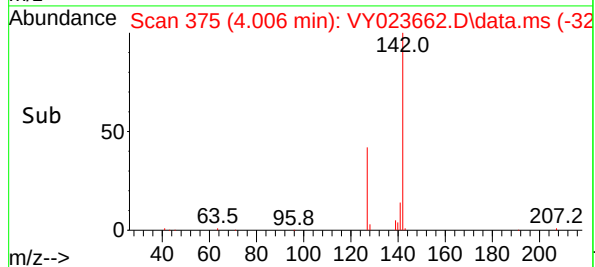
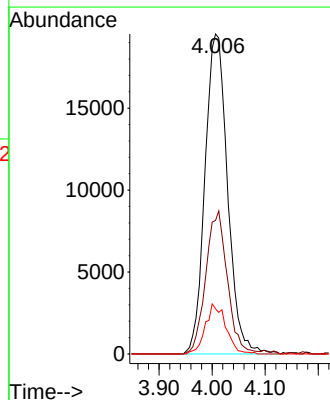
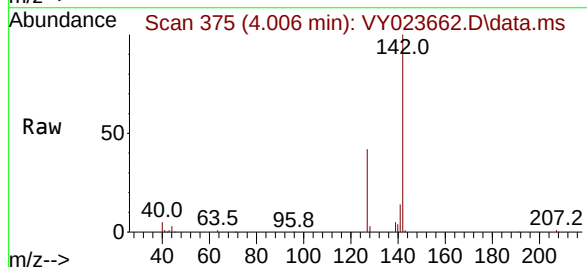
RT: 4.006 min Scan# 375

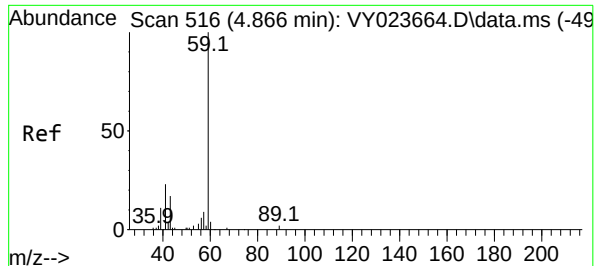
Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion:	142	Resp:	57829
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.6	51.8
141	14.2	11.6	17.4





#11

Tert butyl alcohol

Concen: 48.194 ug/l

RT: 4.866 min Scan# 516

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 1403

Ion Ratio Lower Upper

59 100

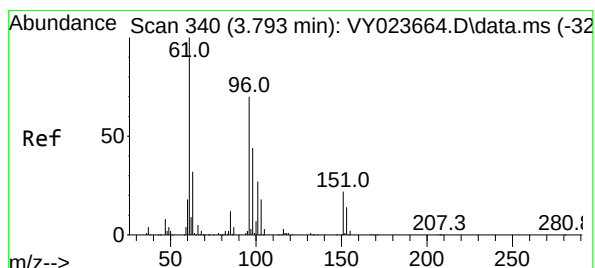
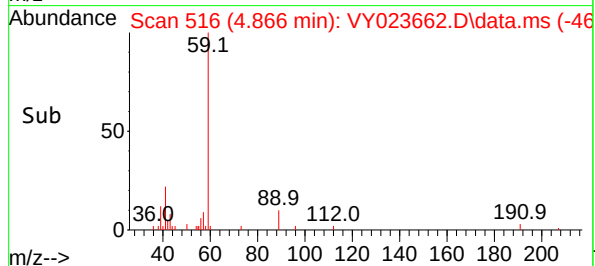
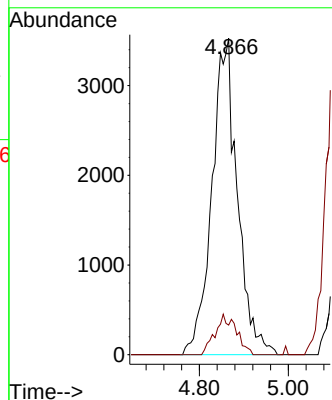
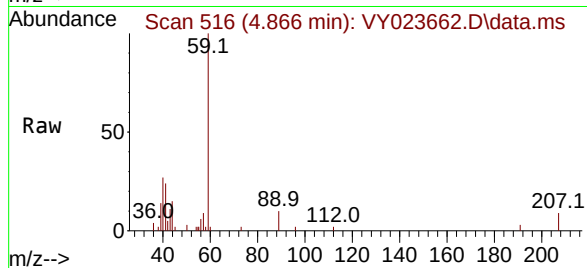
57 10.6 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 10.335 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

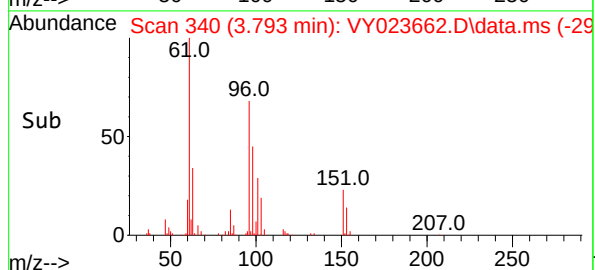
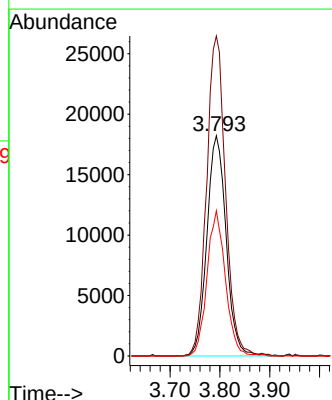
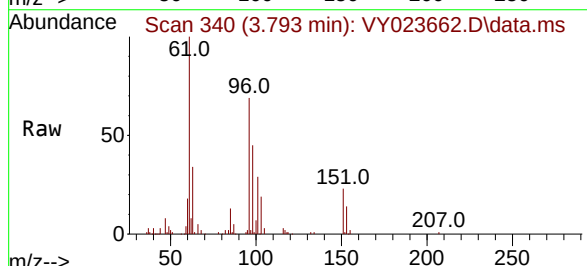
Tgt Ion: 96 Resp: 48878

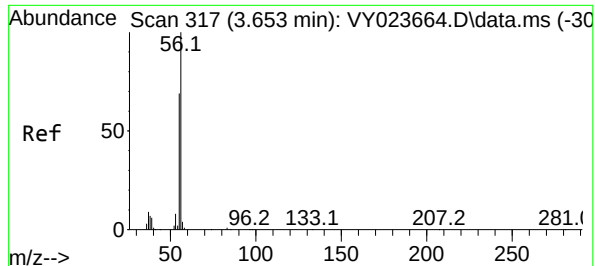
Ion Ratio Lower Upper

96 100

61 145.4 114.0 171.0

98 65.9 50.2 75.2





#13

Acrolein

Concen: 50.776 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 1900

Ion Ratio Lower Upper

56 100

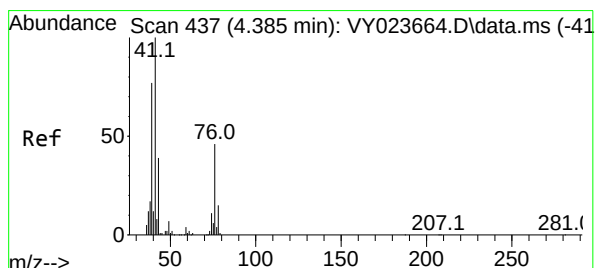
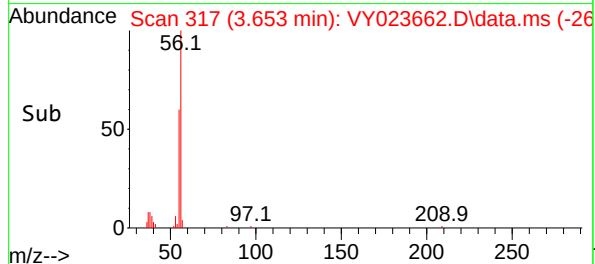
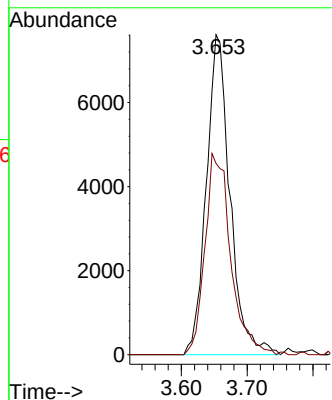
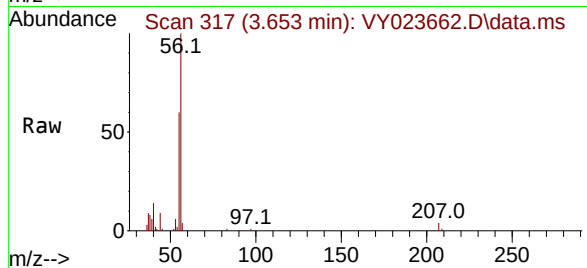
55 68.4 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 9.830 ug/l

RT: 4.390 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

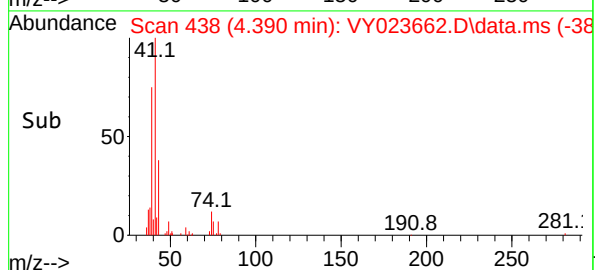
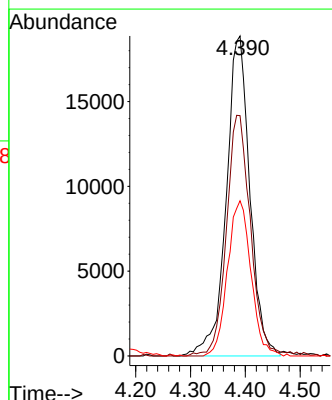
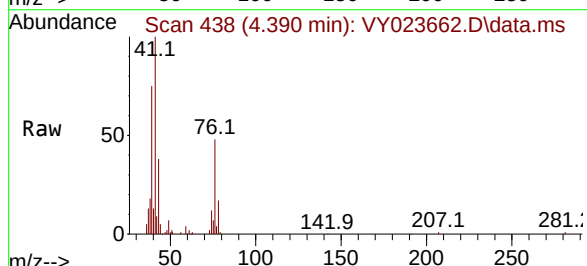
Tgt Ion: 41 Resp: 56587

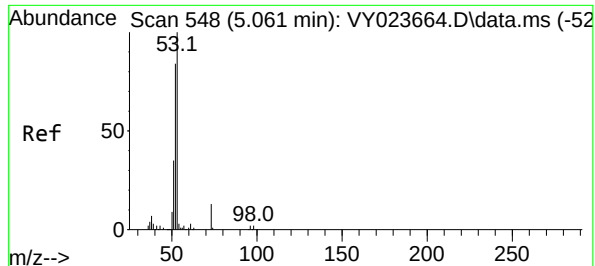
Ion Ratio Lower Upper

41 100

39 76.9 60.4 90.6

76 48.1 38.0 57.0





#15

Acrylonitrile

Concen: 46.026 ug/l

RT: 5.067 min Scan# 548

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

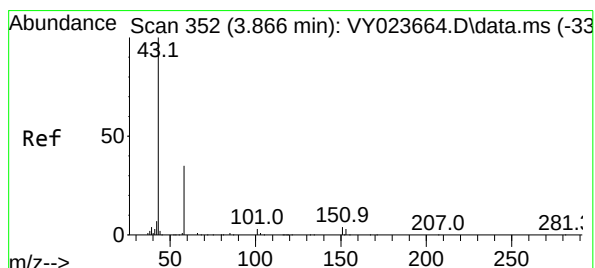
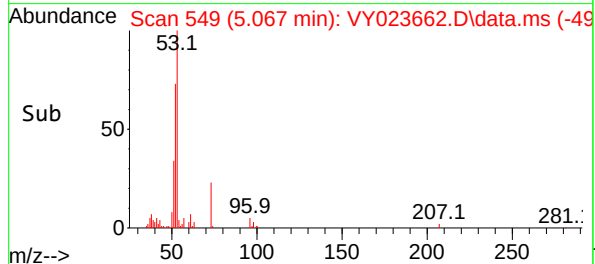
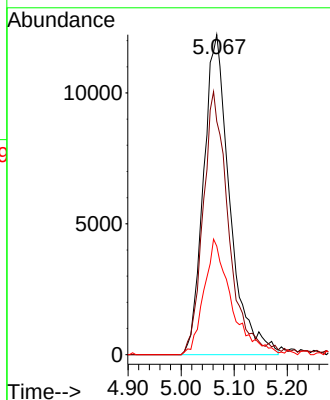
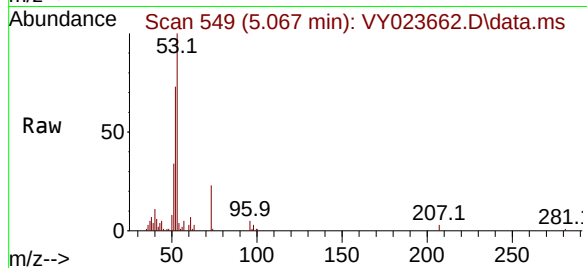
VSTDIC010

Tgt Ion: 53	Resp: 4203
Ion Ratio	Lower Upper
53	100
52	79.0 64.9 97.3
51	37.8 29.4 44.0

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 49.867 ug/l

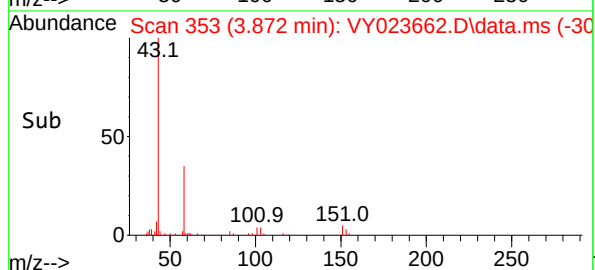
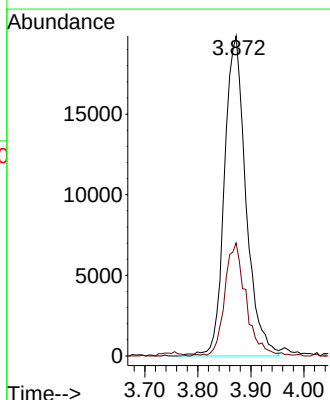
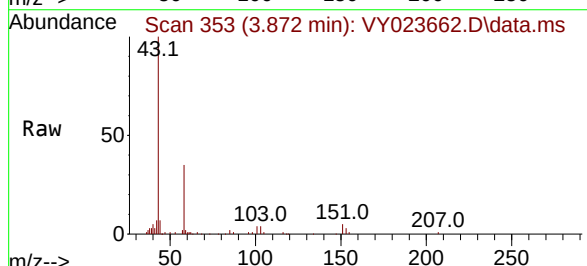
RT: 3.872 min Scan# 353

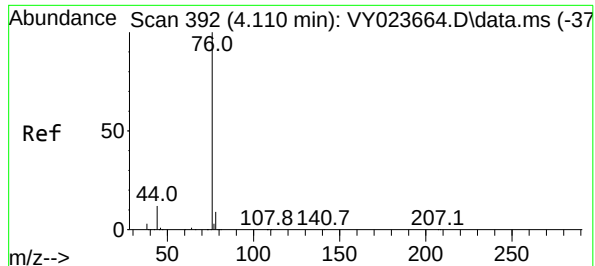
Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

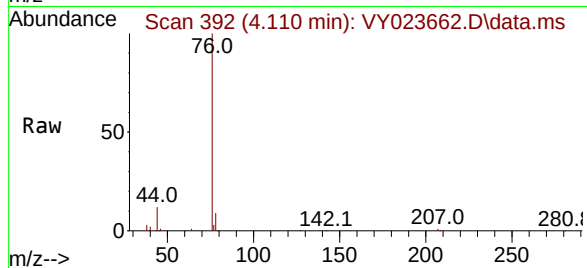
Tgt Ion: 43	Resp: 55971
Ion Ratio	Lower Upper
43	100
58	34.7 28.2 42.4





#17
Carbon Disulfide
Concen: 10.705 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

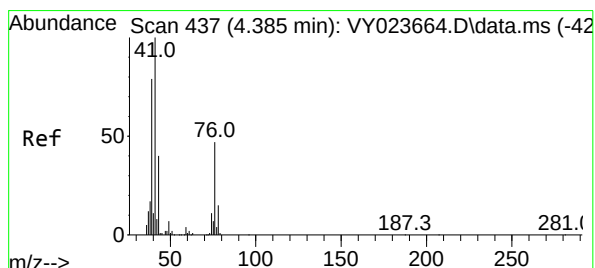
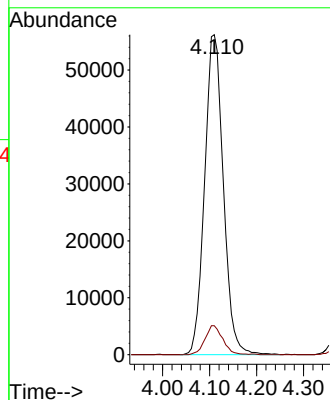
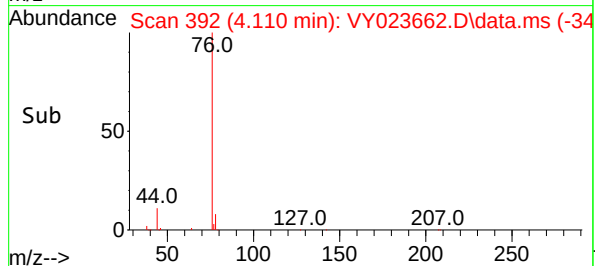
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



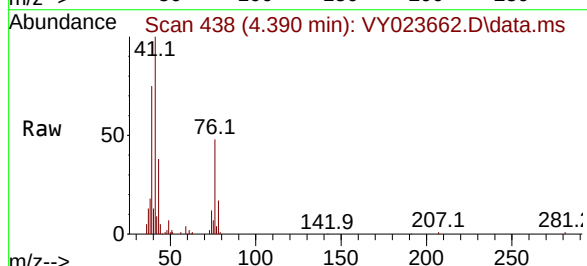
Tgt Ion: 76 Resp: 15540
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

Manual Integrations
APPROVED

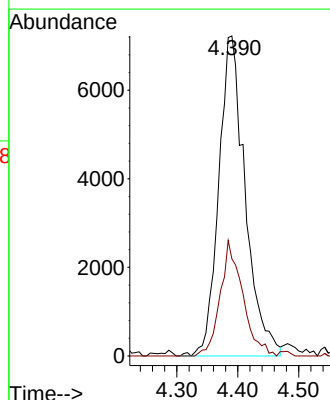
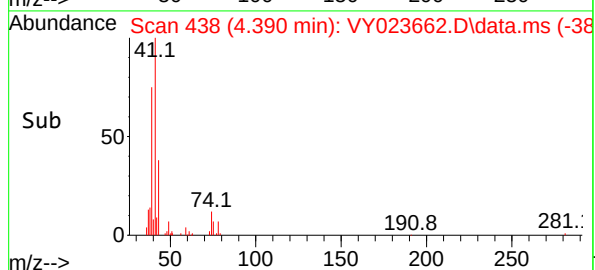
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

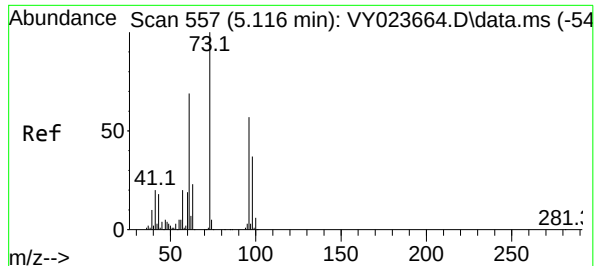


#18
Methyl Acetate
Concen: 8.803 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



Tgt Ion: 43 Resp: 21794
Ion Ratio Lower Upper
43 100
74 30.7 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 9.126 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Tgt Ion: 73 Resp: 10008

Ion Ratio Lower Upper

73 100

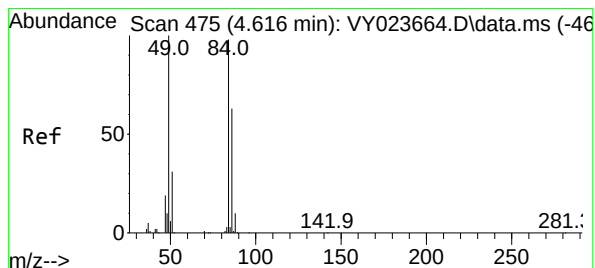
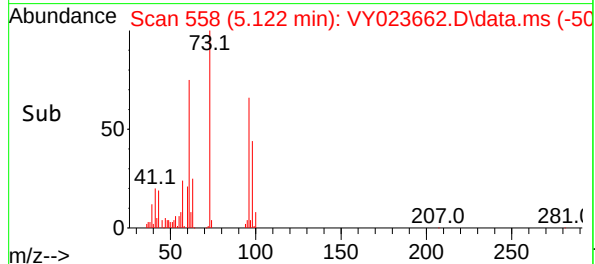
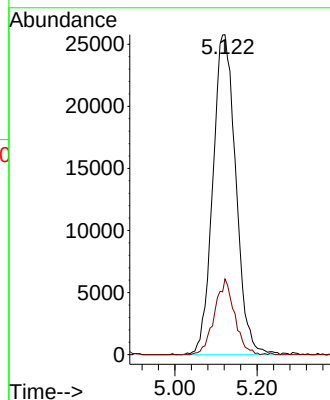
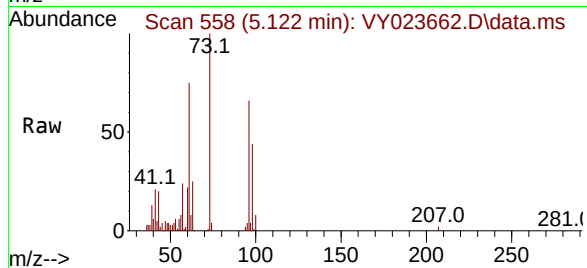
57 23.6 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 10.398 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion: 84 Resp: 56341

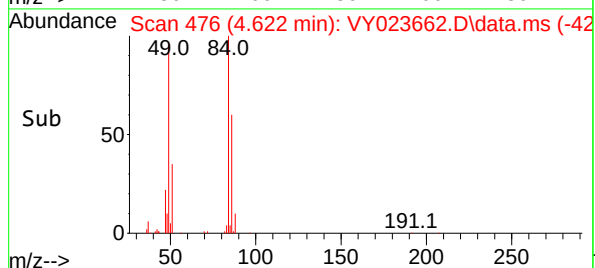
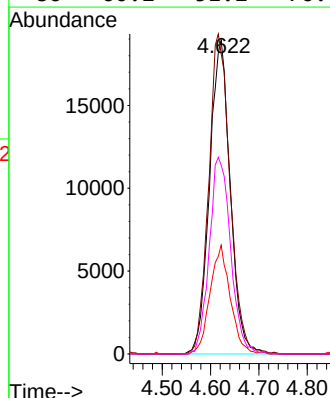
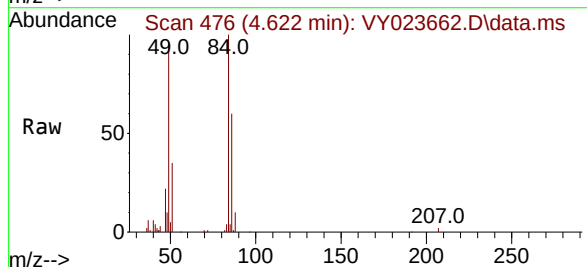
Ion Ratio Lower Upper

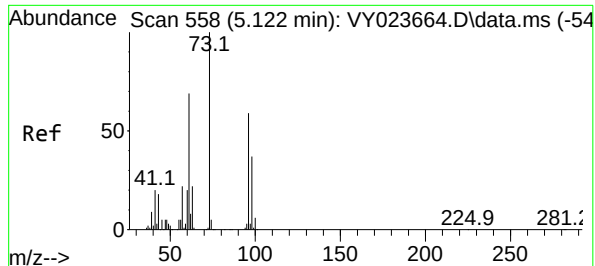
84 100

49 95.8 81.5 122.3

51 34.7 25.5 38.3

86 60.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 10.222 ug/l

RT: 5.122 min Scan# 5

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 5451

Ion Ratio Lower Upper

96 100

61 113.8 93.3 139.9

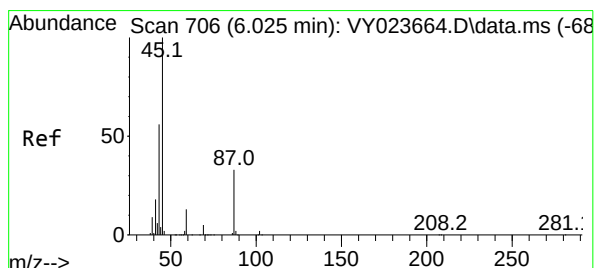
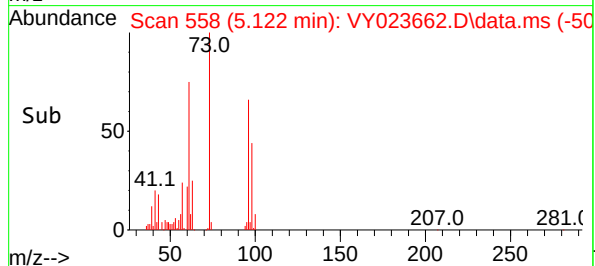
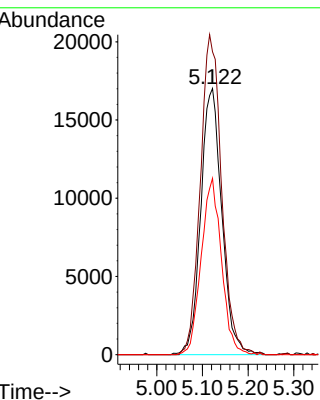
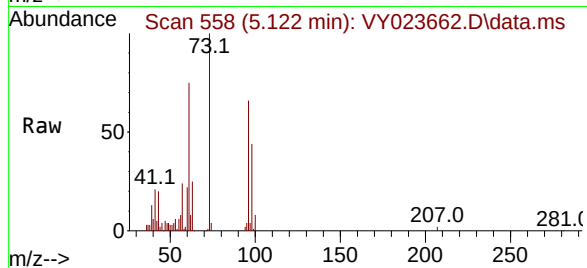
98 66.2 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#22

Diisopropyl ether

Concen: 9.630 ug/l

RT: 6.018 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion: 45 Resp: 123533

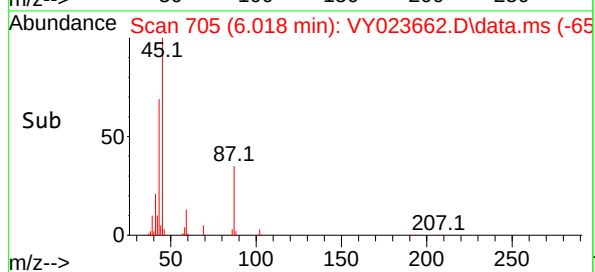
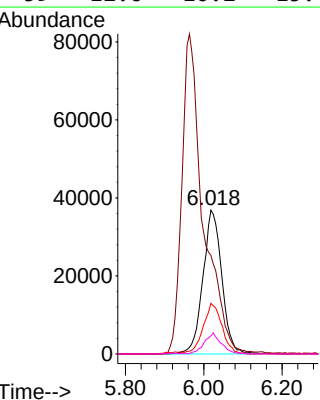
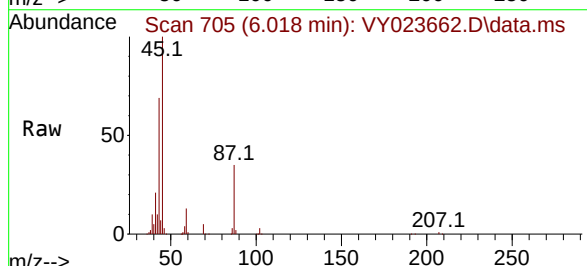
Ion Ratio Lower Upper

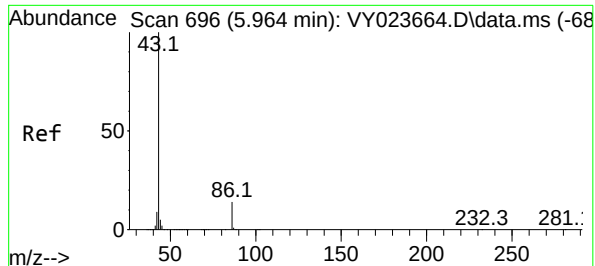
45 100

43 67.8 44.7 67.1#

87 35.2 27.2 40.8

59 12.6 10.2 15.4





#23

Vinyl Acetate

Concen: 45.522 ug/l

RT: 5.963 min Scan# 64

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 311609

Ion Ratio Lower Upper

43 100

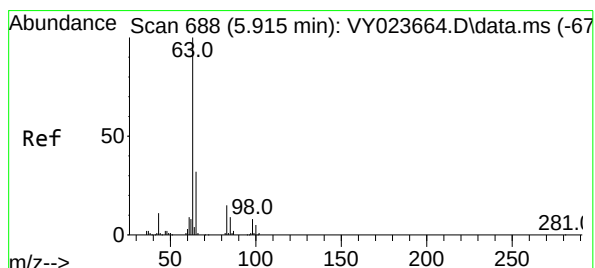
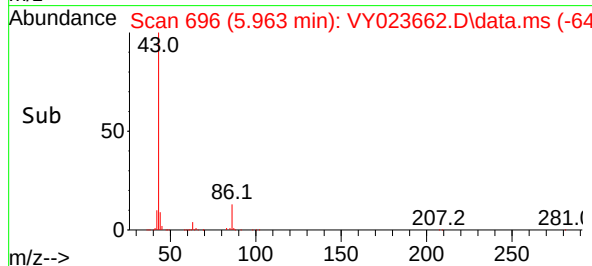
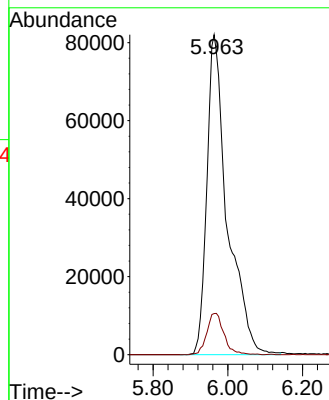
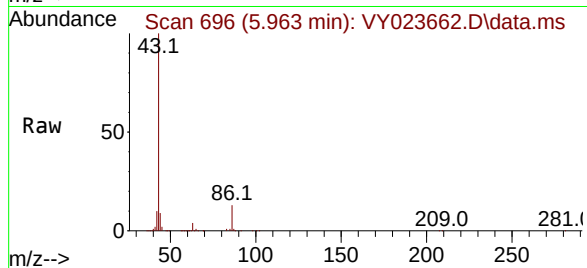
86 12.8 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 10.129 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

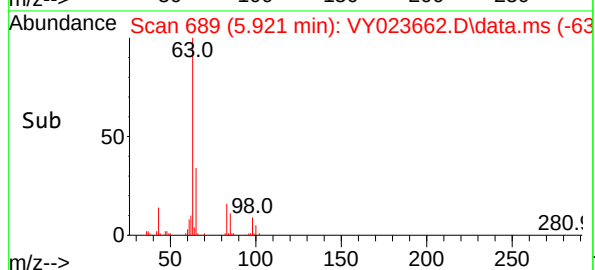
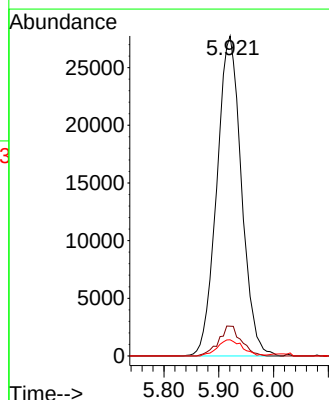
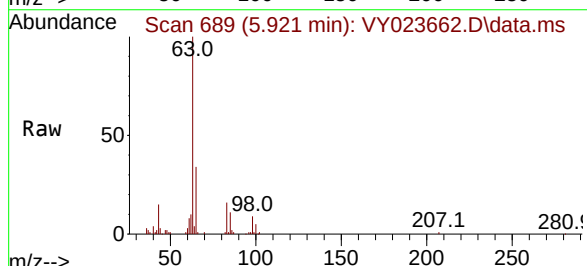
Tgt Ion: 63 Resp: 86555

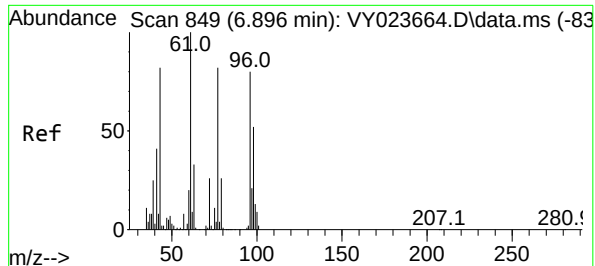
Ion Ratio Lower Upper

63 100

98 9.3 4.0 11.9

100 5.0 2.6 7.8





#25

2-Butanone

Concen: 46.094 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 59810

Ion Ratio Lower Upper

43 100

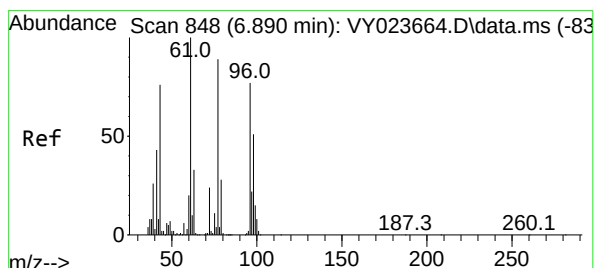
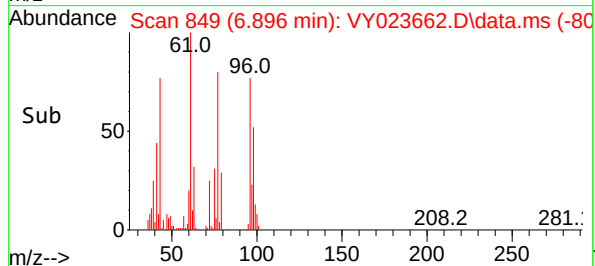
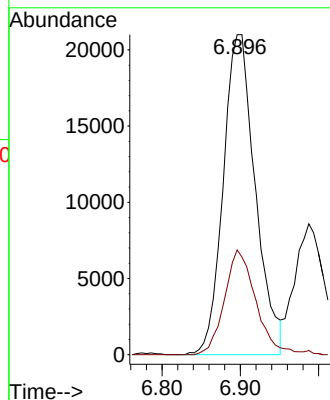
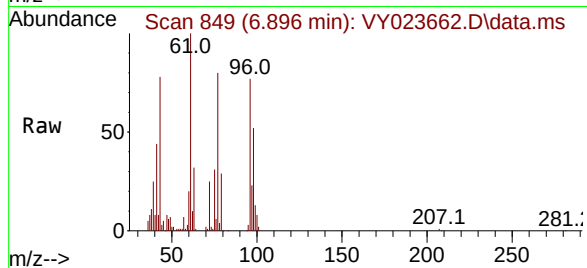
72 32.7 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 10.207 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023662.D

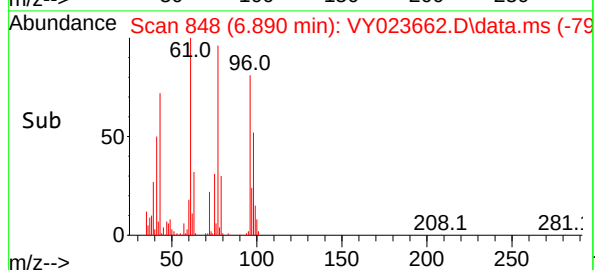
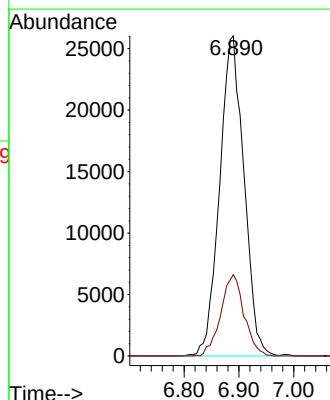
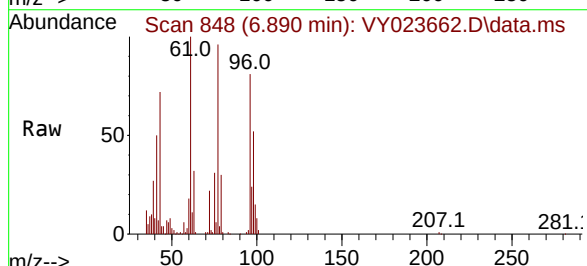
Acq: 04 Nov 2025 09:42

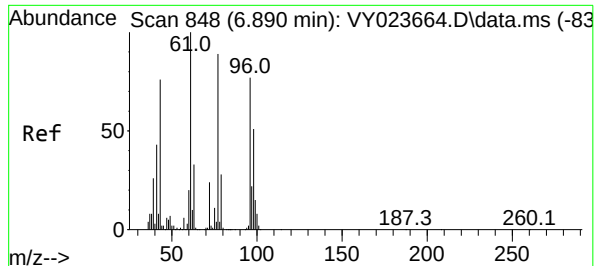
Tgt Ion: 77 Resp: 80230

Ion Ratio Lower Upper

77 100

97 24.3 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 10.120 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 96 Resp: 61638

Ion Ratio Lower Upper

96 100

61 125.9 0.0 255.0

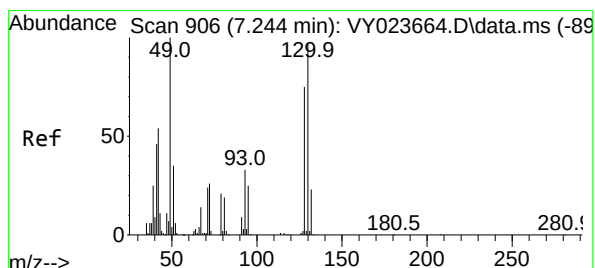
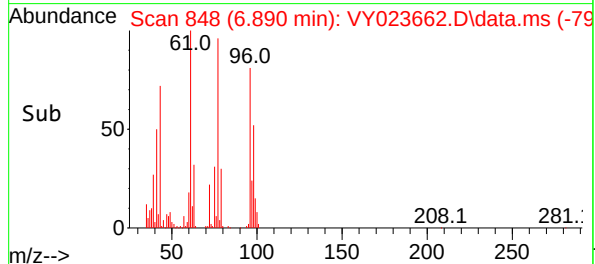
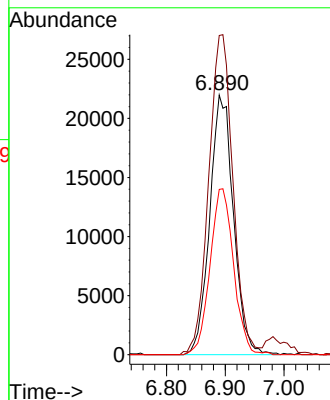
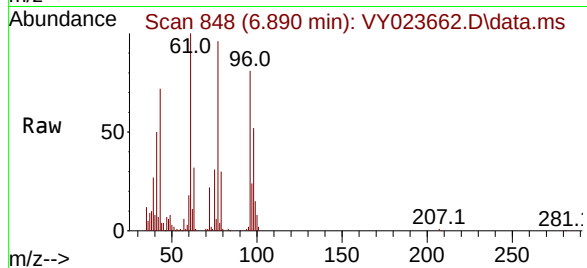
98 63.6 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 10.638 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

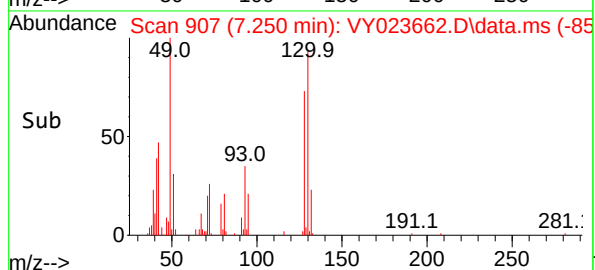
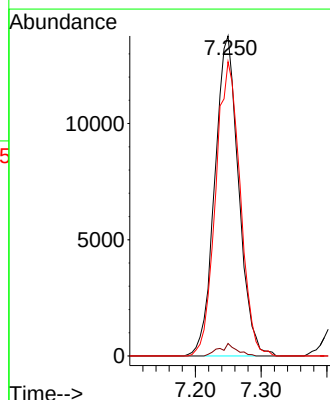
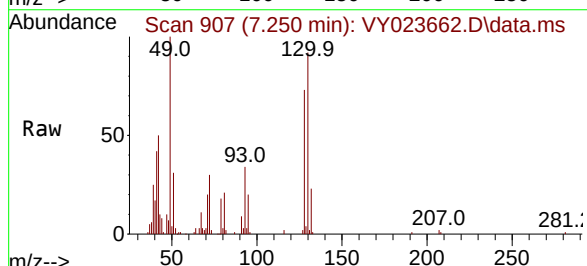
Tgt Ion: 49 Resp: 34809

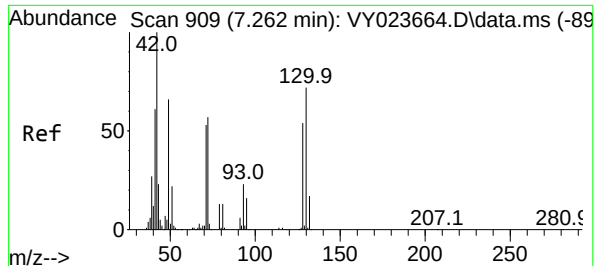
Ion Ratio Lower Upper

49 100

129 2.9 0.0 5.0

130 94.3 80.1 120.1





#29

Tetrahydrofuran

Concen: 44.932 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

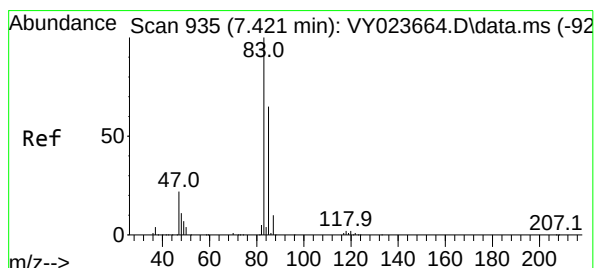
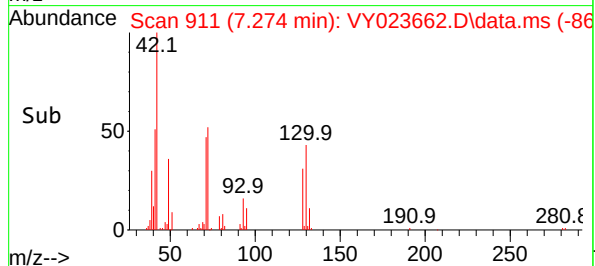
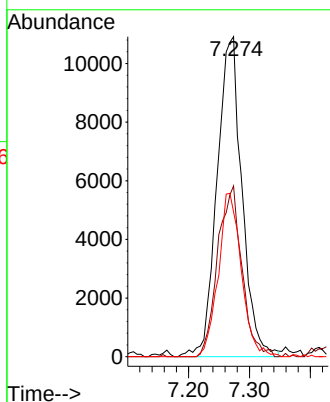
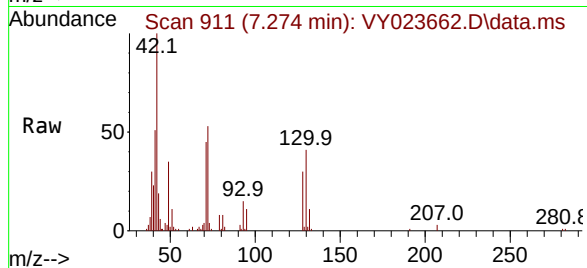
VSTDIC010

Tgt Ion:	42	Resp:	3105
Ion	Ratio	Lower	Upper
42	100		
72	51.7	43.4	65.2
71	47.3	40.7	61.1

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 10.373 ug/l

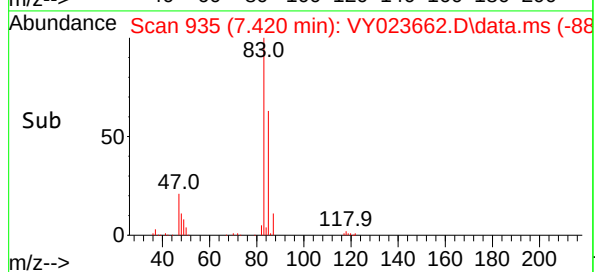
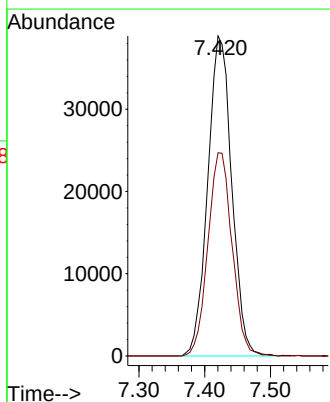
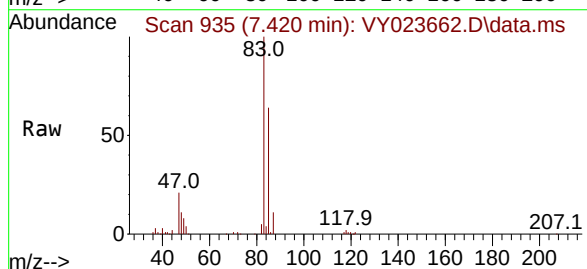
RT: 7.420 min Scan# 935

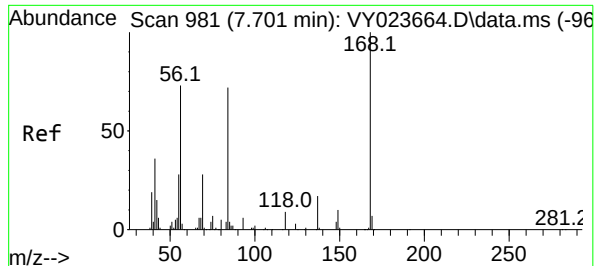
Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion:	83	Resp:	98898
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.1	78.1





#31

Cyclohexane

Concen: 10.232 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 7614

Ion Ratio Lower Upper

56 100

69 50.5 30.5 45.7

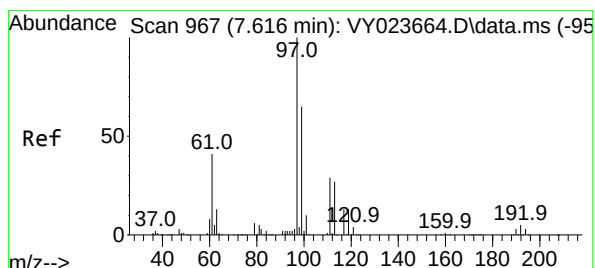
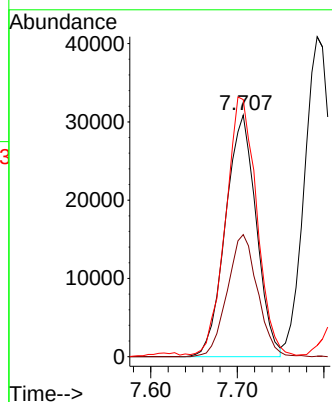
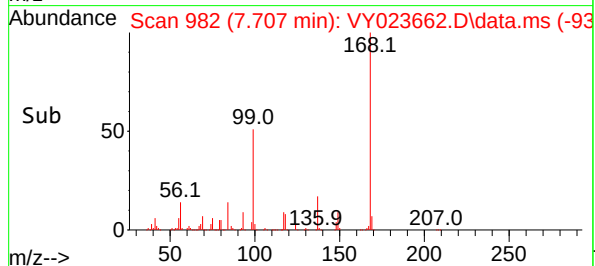
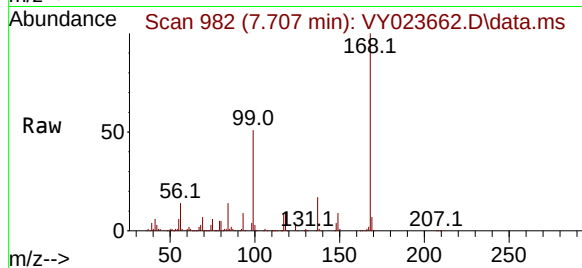
84 105.7 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 10.343 ug/l

RT: 7.615 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

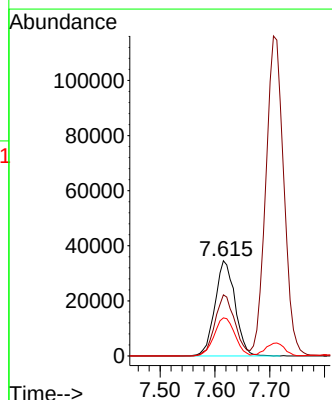
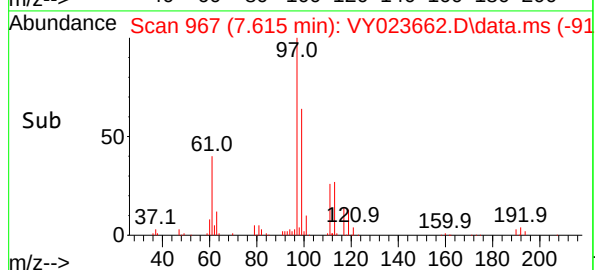
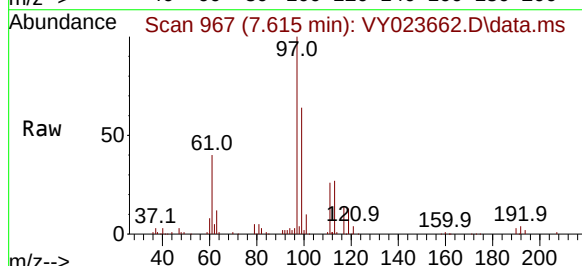
Tgt Ion: 97 Resp: 88141

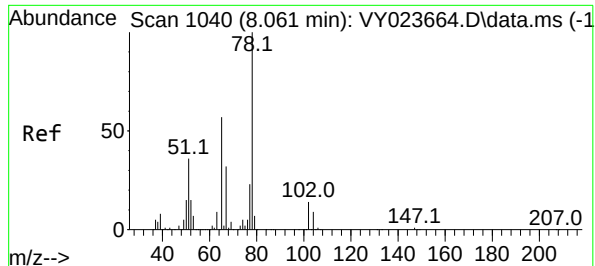
Ion Ratio Lower Upper

97 100

99 63.7 51.5 77.3

61 41.1 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 9.970 ug/l

RT: 8.060 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 45020

Ion Ratio Lower Upper

65 100

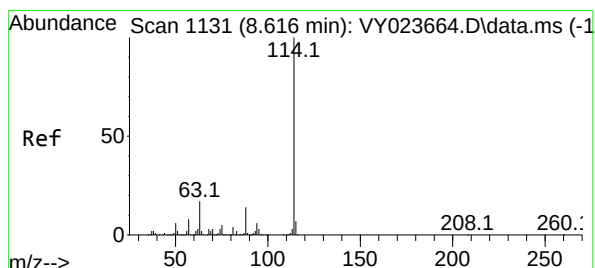
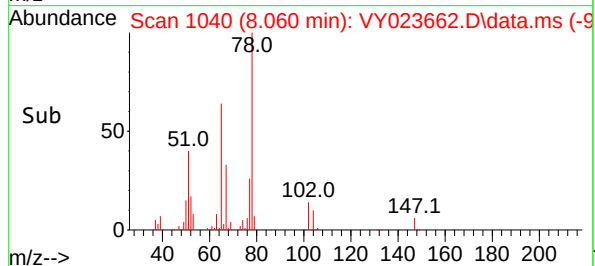
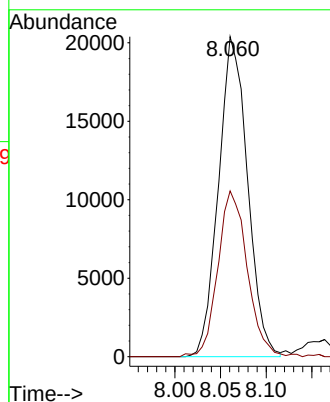
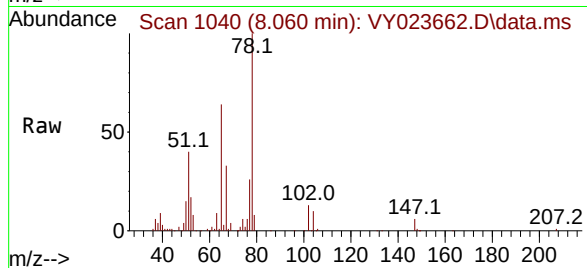
67 52.6 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

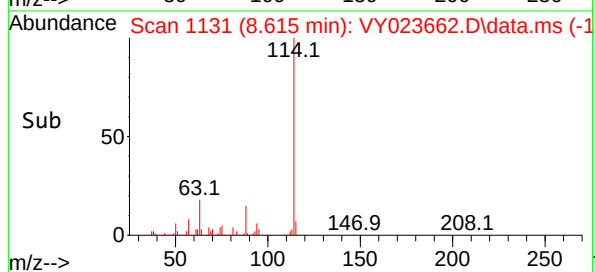
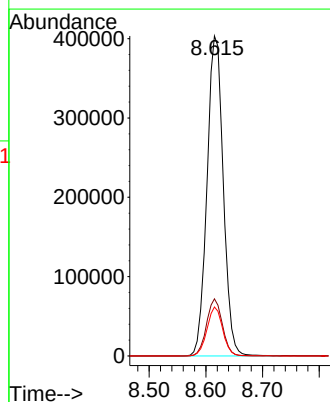
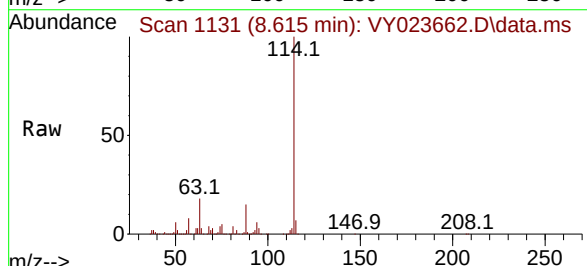
Tgt Ion:114 Resp: 803774

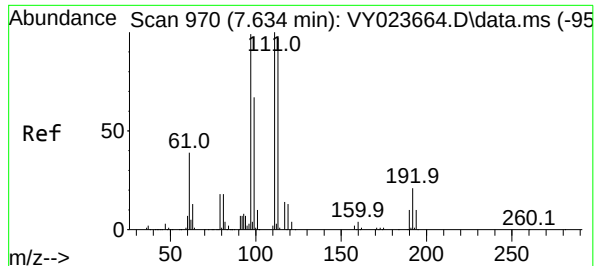
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.8

88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 10.103 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:113 Resp: 50749

Ion Ratio Lower Upper

113 100

111 99.2 82.2 123.4

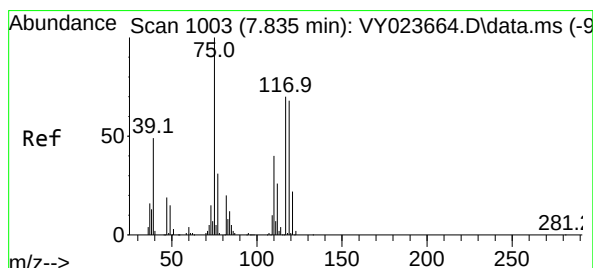
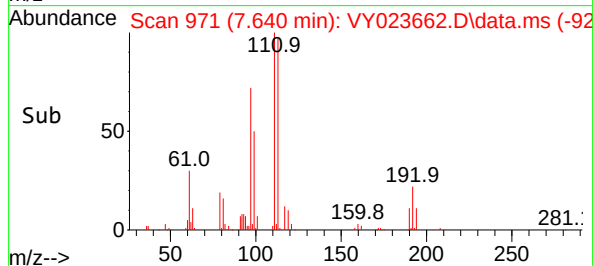
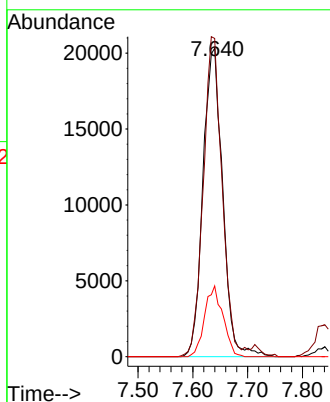
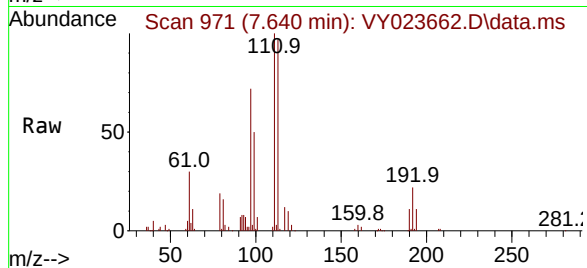
192 21.4 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 9.958 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

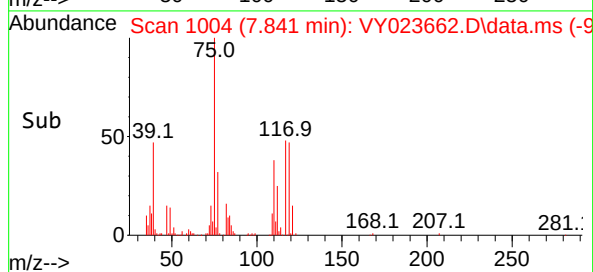
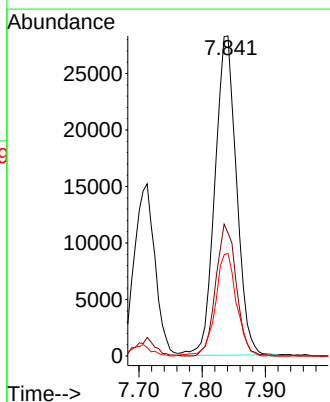
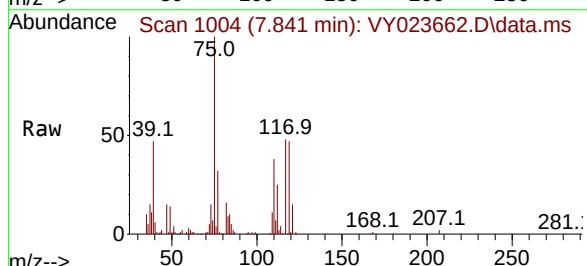
Tgt Ion: 75 Resp: 66838

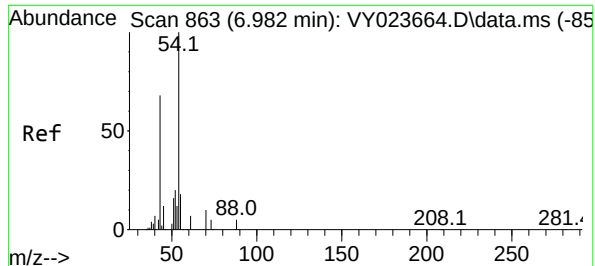
Ion Ratio Lower Upper

75 100

110 39.2 19.7 59.0

77 31.8 25.2 37.8





#37

Ethyl Acetate

Concen: 9.313 ug/l

RT: 6.987 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023662.D

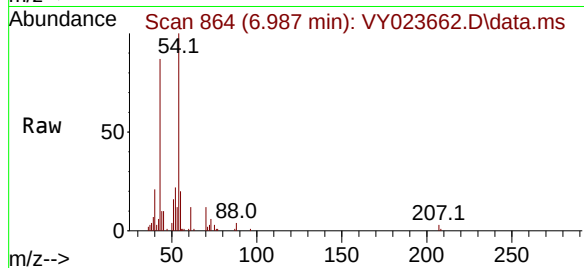
Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

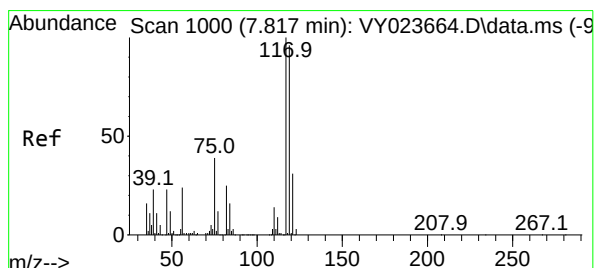
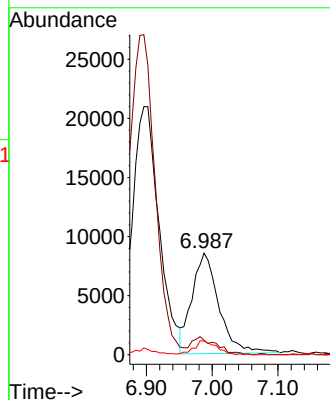
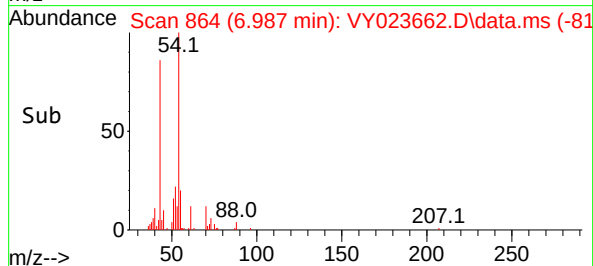


Tgt Ion:	43	Resp:	24198
Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.4	18.6
70	11.6	9.8	14.8

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

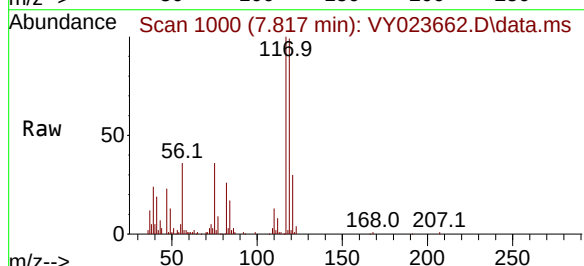
Concen: 9.989 ug/l

RT: 7.817 min Scan# 1000

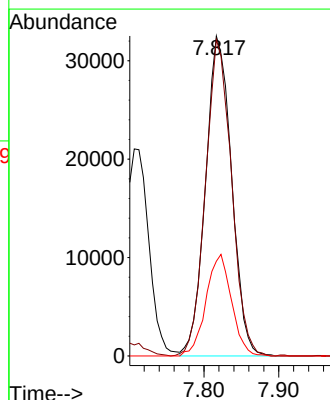
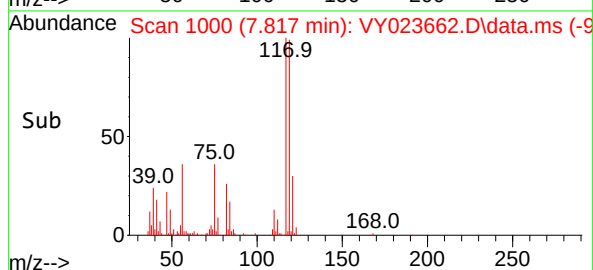
Delta R.T. -0.000 min

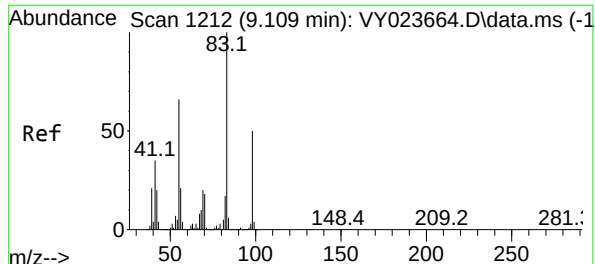
Lab File: VY023662.D

Acq: 04 Nov 2025 09:42



Tgt Ion:	117	Resp:	78995
Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.3	114.5
121	29.6	24.8	37.2





#39

Methylcyclohexane

Concen: 9.283 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

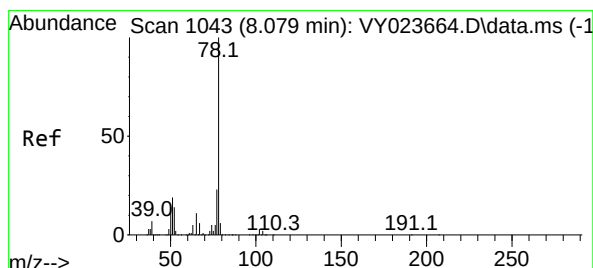
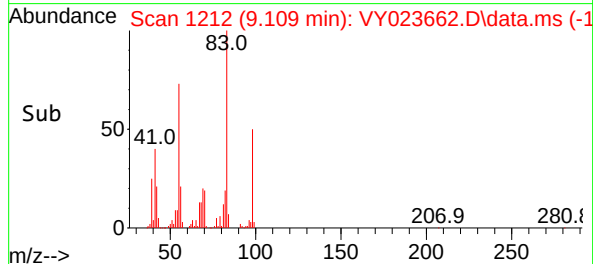
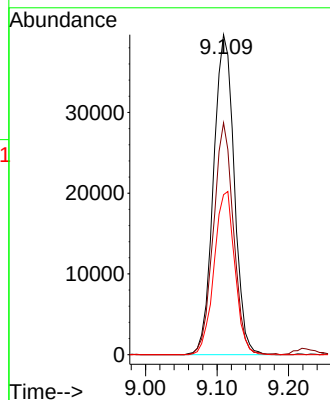
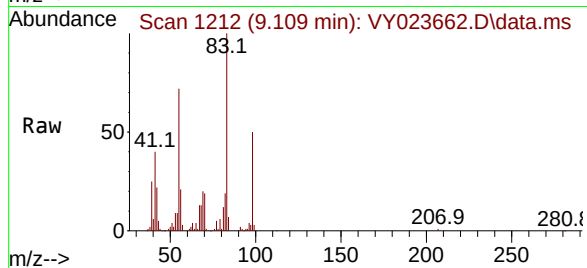
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.5	52.6	78.8
98	50.0	39.7	59.5

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 10.042 ug/l

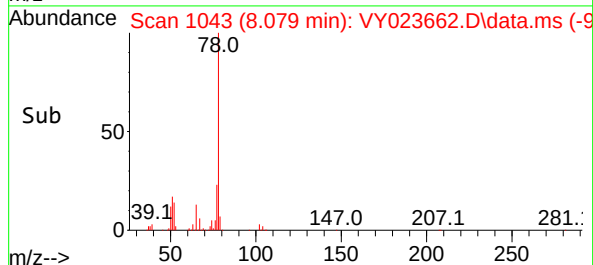
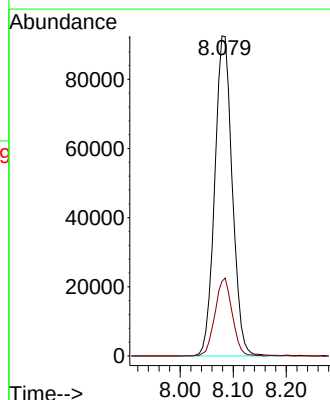
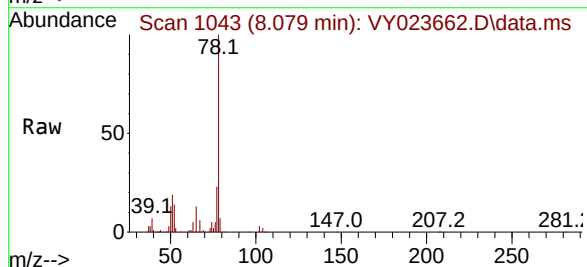
RT: 8.079 min Scan# 1043

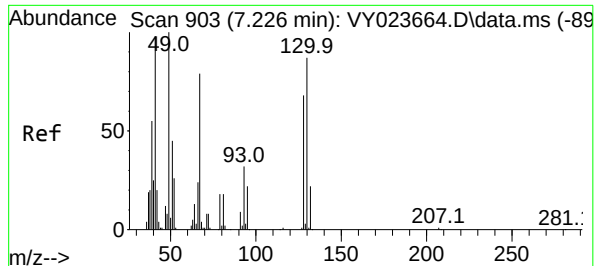
Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

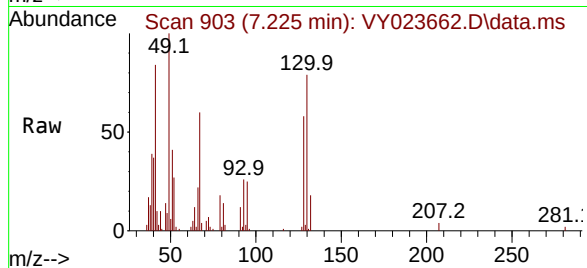
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





#41
Methacrylonitrile
Concen: 9.122 ug/l m
RT: 7.225 min Scan# 903
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

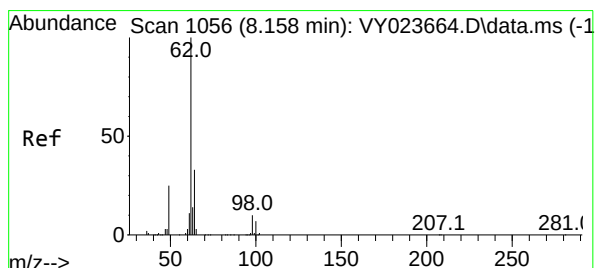
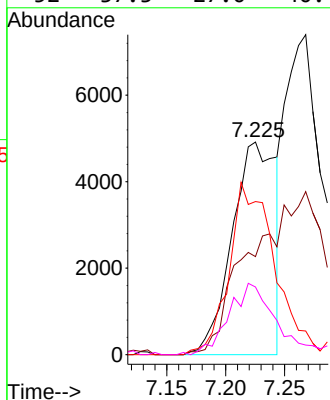
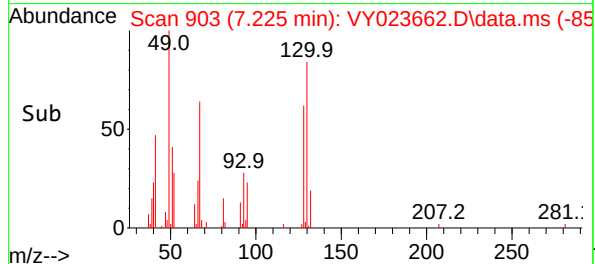
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



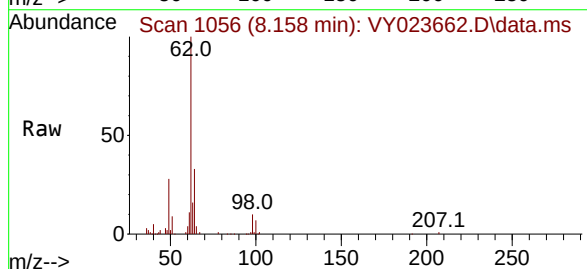
Tgt Ion: 41 Resp: 1264
Ion Ratio Lower Upper
41 100
39 0.0 38.6 57.8
67 84.1 71.3 106.9
52 37.3 27.0 40.4

Manual Integrations
APPROVED

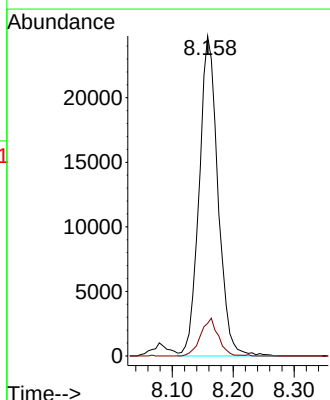
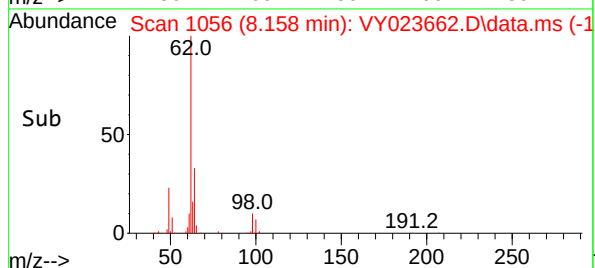
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

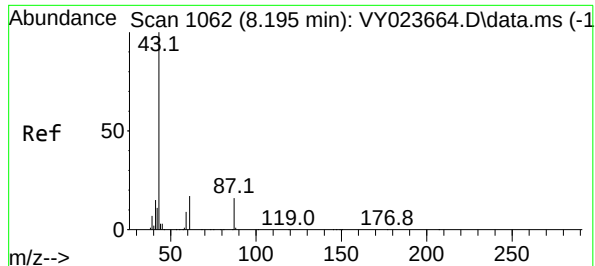


#42
1,2-Dichloroethane
Concen: 9.943 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



Tgt Ion: 62 Resp: 53223
Ion Ratio Lower Upper
62 100
98 11.1 0.0 21.0





#43

Isopropyl Acetate

Concen: 8.800 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

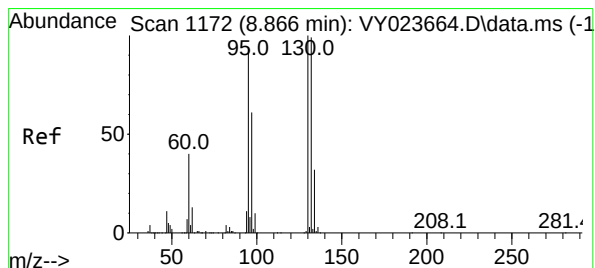
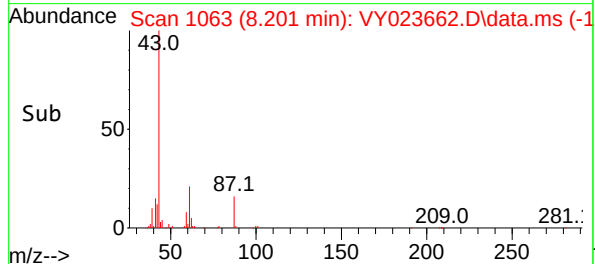
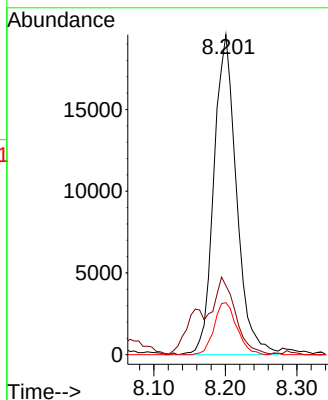
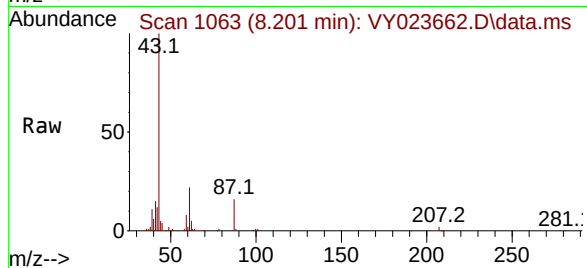
Tgt Ion: 43	Resp: 42964
Ion Ratio	Lower Upper
43	100
61	24.7 18.2 27.2
87	16.3 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 10.136 ug/l

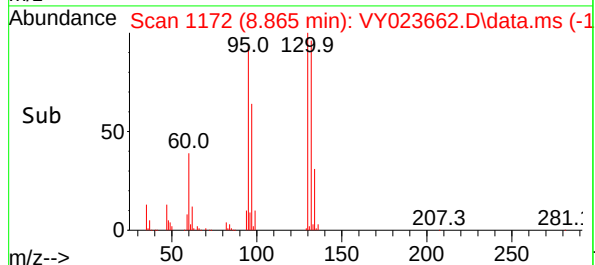
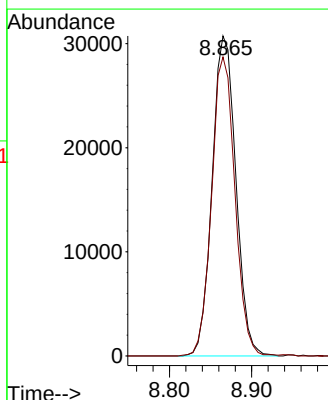
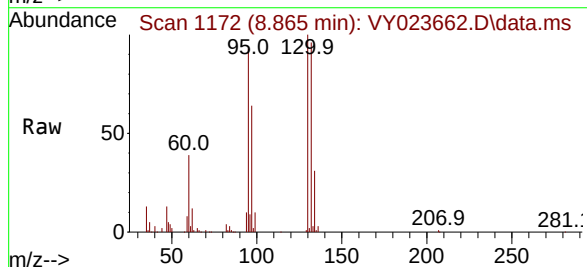
RT: 8.865 min Scan# 1172

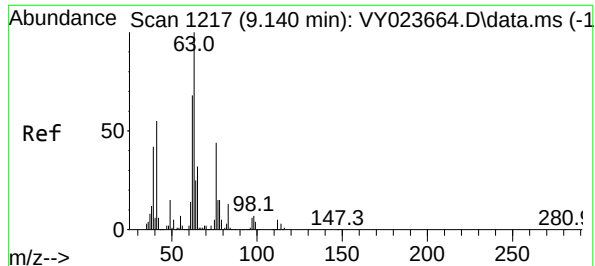
Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion:130	Resp: 61596
Ion Ratio	Lower Upper
130	100
95	93.4 0.0 187.0





#45

1,2-Dichloropropane

Concen: 9.810 ug/l

RT: 9.139 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 45808

Ion Ratio Lower Upper

63 100

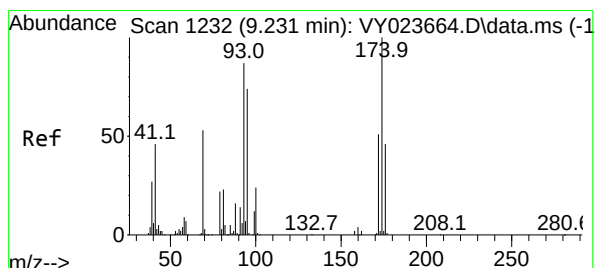
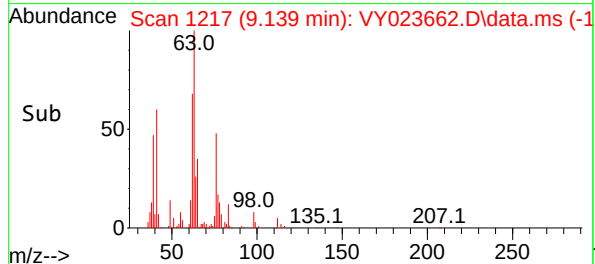
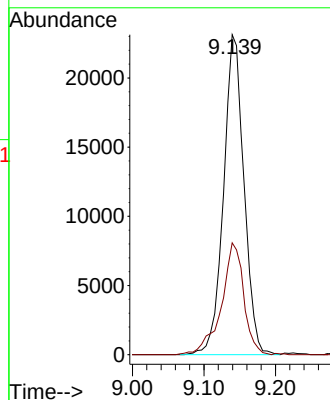
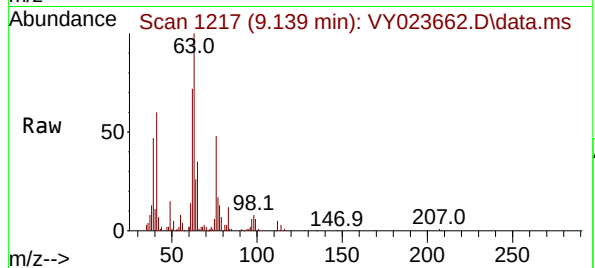
65 34.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 9.538 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

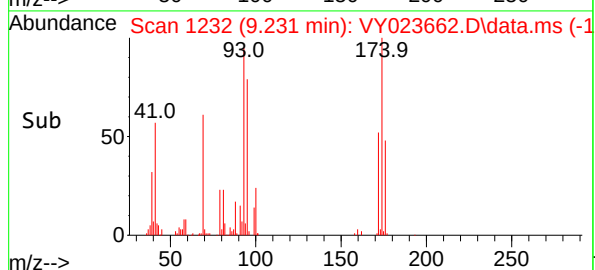
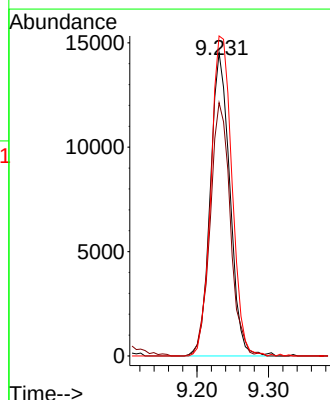
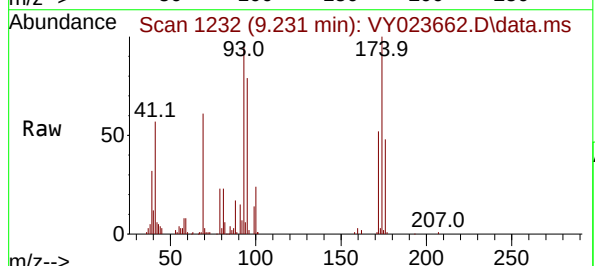
Tgt Ion: 93 Resp: 27595

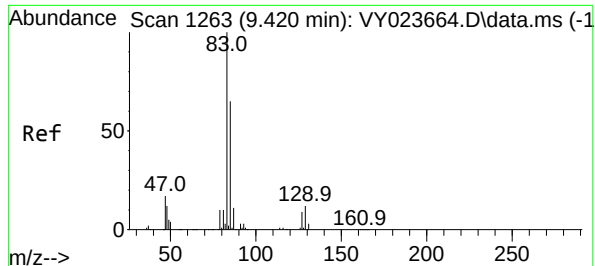
Ion Ratio Lower Upper

93 100

95 85.9 67.4 101.2

174 113.0 89.4 134.0





#47

Bromodichloromethane

Concen: 9.740 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 71048

Ion Ratio Lower Upper

83 100

85 61.4 52.1 78.1

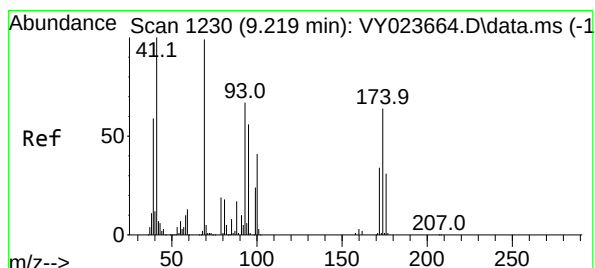
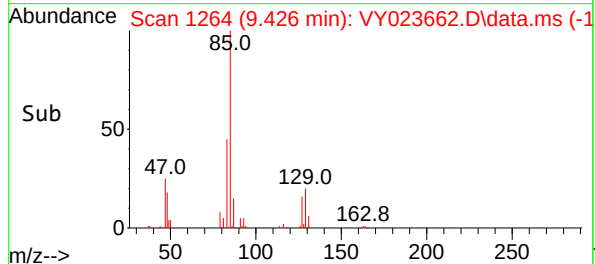
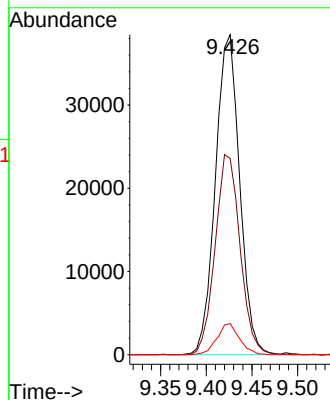
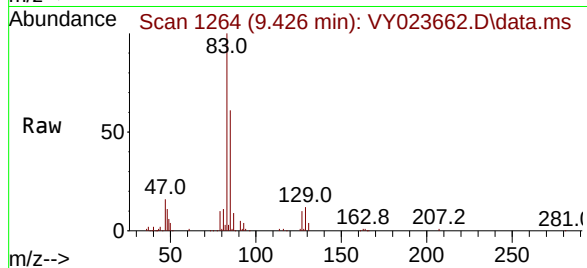
127 9.7 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 8.172 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

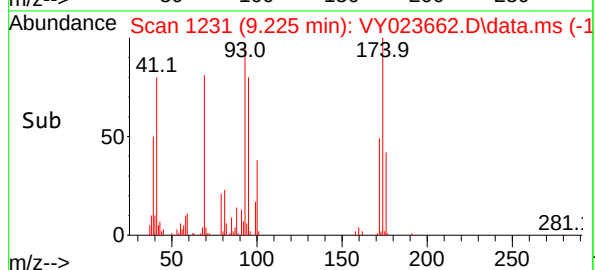
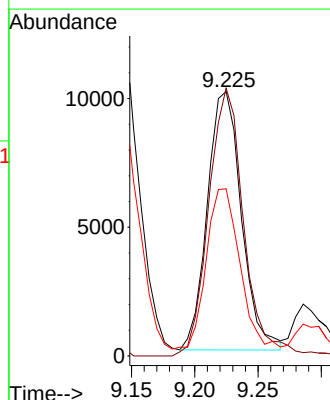
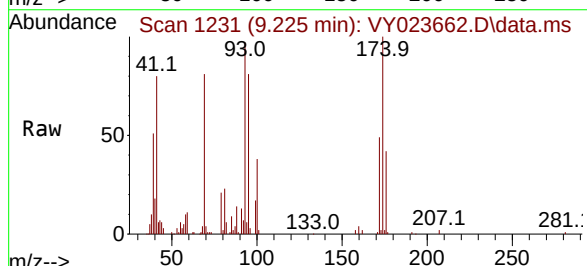
Tgt Ion: 41 Resp: 18849

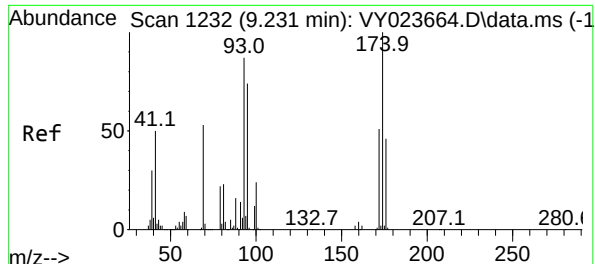
Ion Ratio Lower Upper

41 100

69 106.7 80.2 120.2

39 61.7 47.4 71.0





#49

1,4-Dioxane

Concen: 170.965 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 5062

Ion Ratio Lower Upper

88 100

43 31.7 22.0 33.0

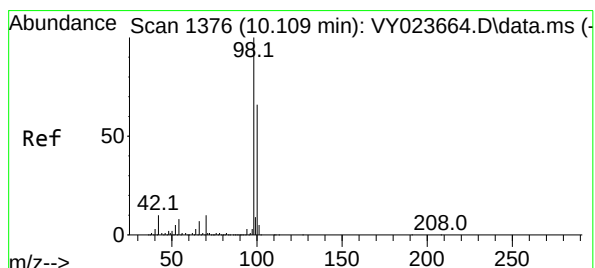
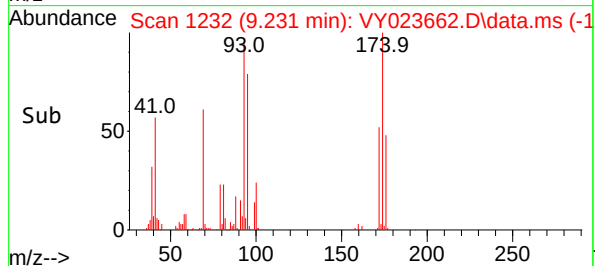
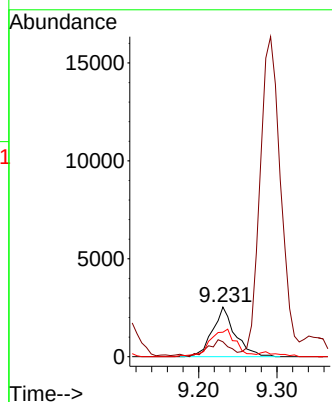
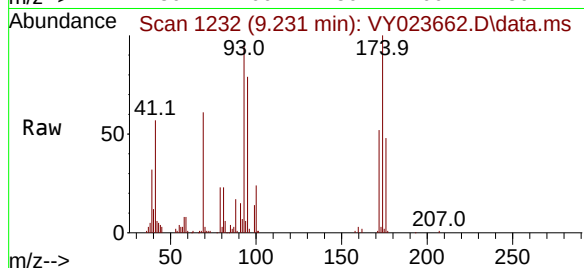
58 63.4 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 9.862 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY023662.D

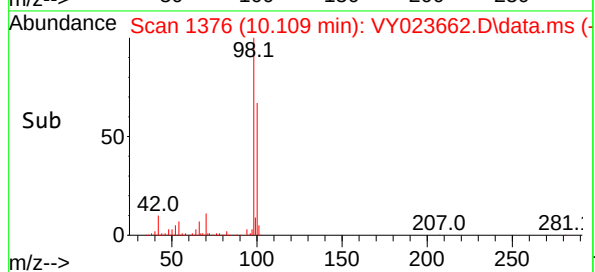
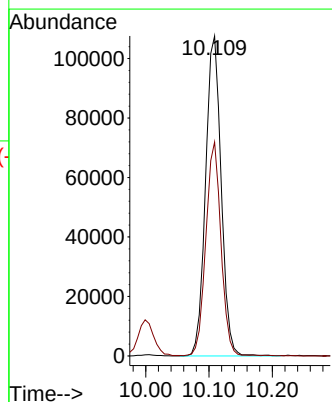
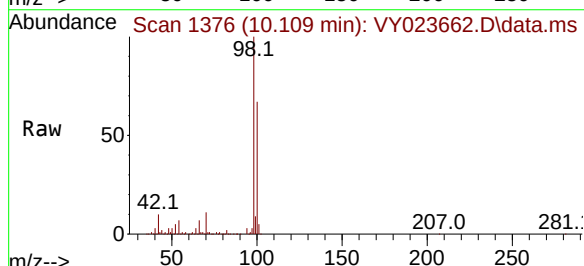
Acq: 04 Nov 2025 09:42

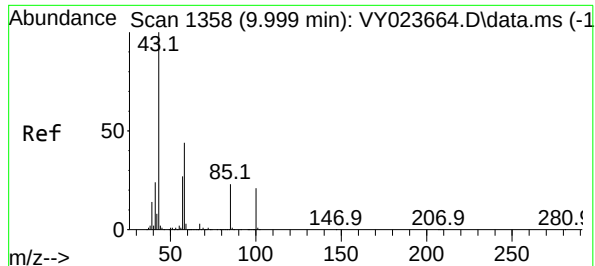
Tgt Ion: 98 Resp: 184529

Ion Ratio Lower Upper

98 100

100 64.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 42.067 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 10922

Ion Ratio Lower Upper

43 100

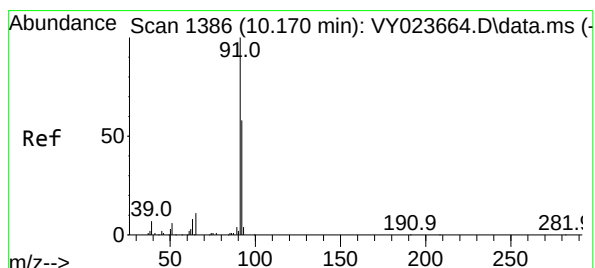
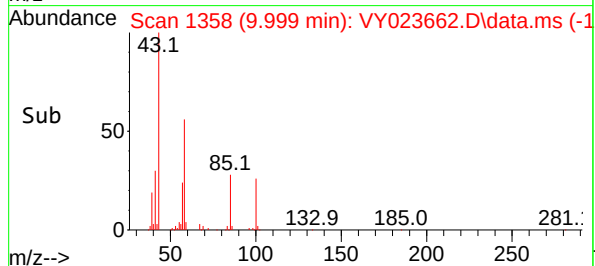
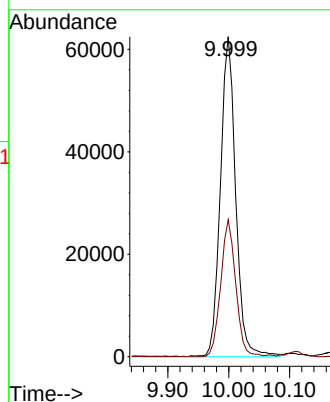
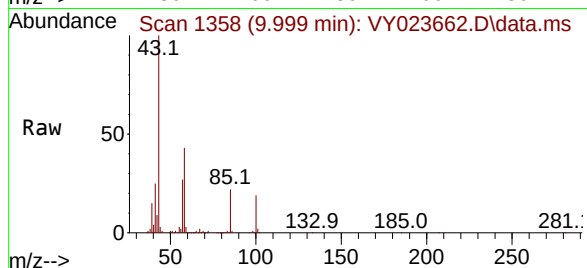
58 41.9 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#52

Toluene

Concen: 9.672 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY023662.D

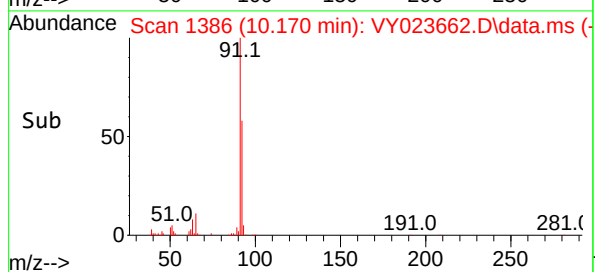
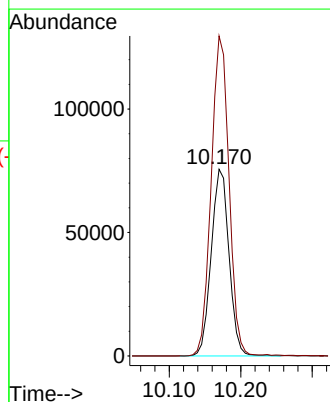
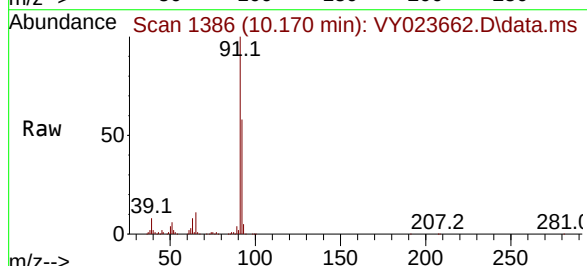
Acq: 04 Nov 2025 09:42

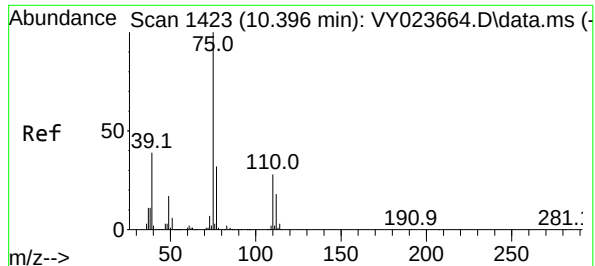
Tgt Ion: 92 Resp: 130648

Ion Ratio Lower Upper

92 100

91 171.4 137.8 206.8





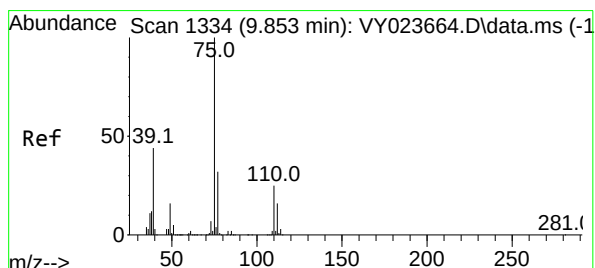
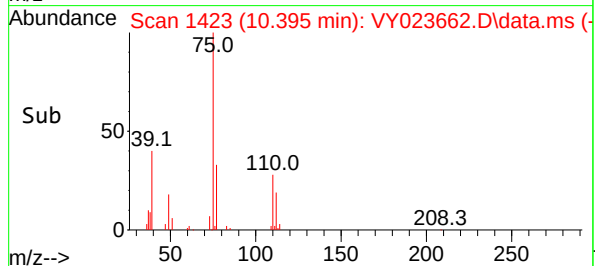
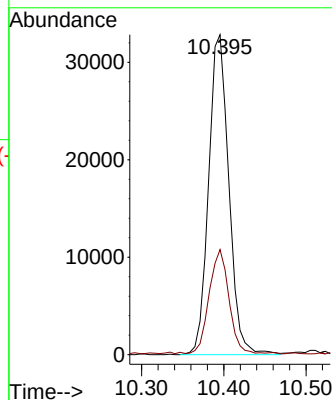
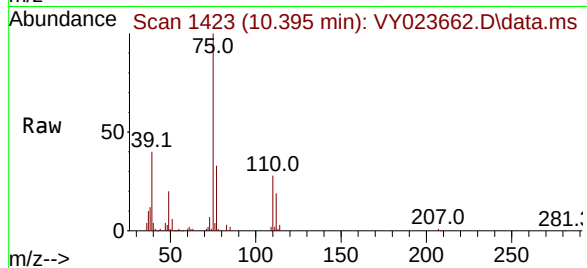
#53
t-1,3-Dichloropropene
Concen: 9.093 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 5612
Ion Ratio Lower Upper
75 100
77 32.6 25.6 38.4

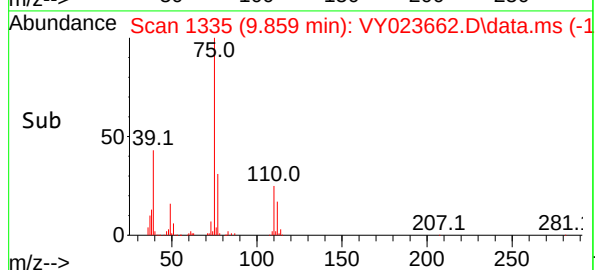
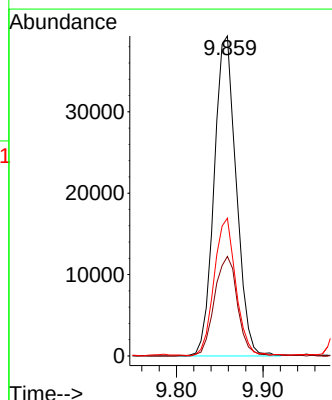
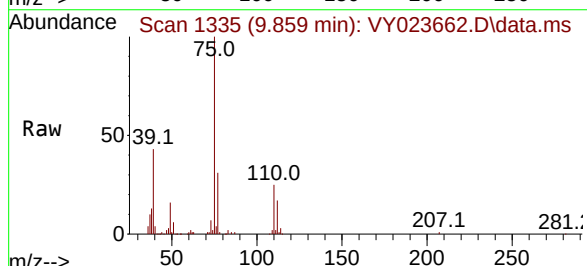
Manual Integrations
APPROVED

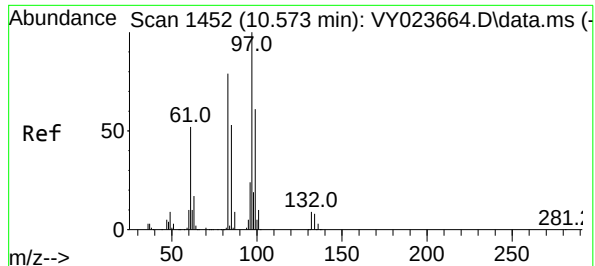
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 9.436 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

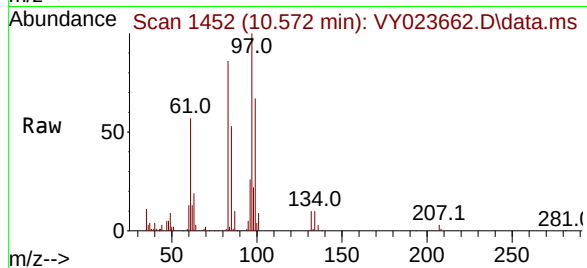
Tgt Ion: 75 Resp: 69773
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5
39 42.7 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 9.581 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

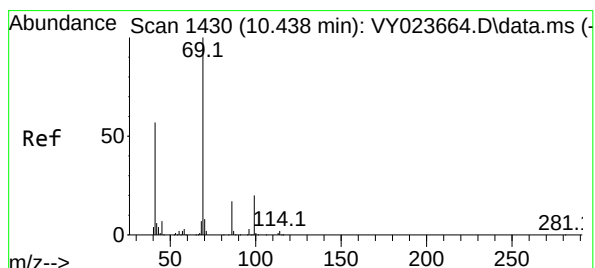
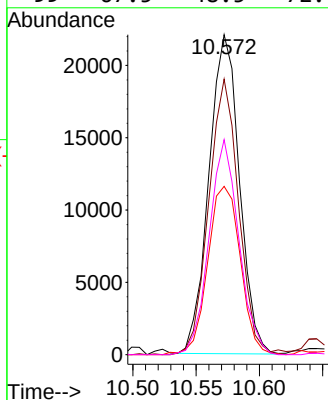
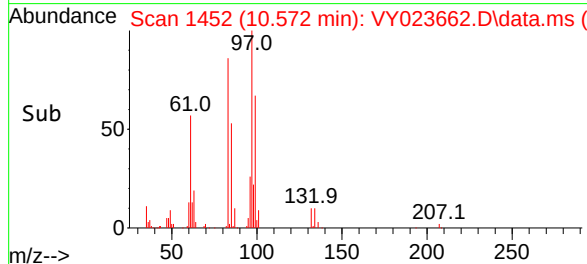
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	63.3	94.9
85	52.5	42.4	63.6
99	67.5	48.5	72.7

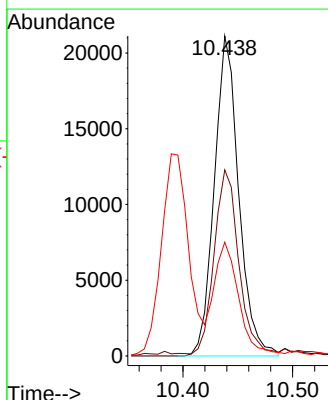
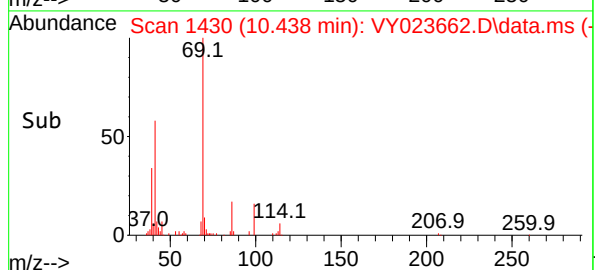
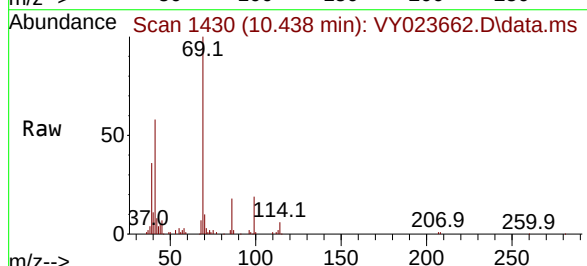
Manual Integrations
APPROVED

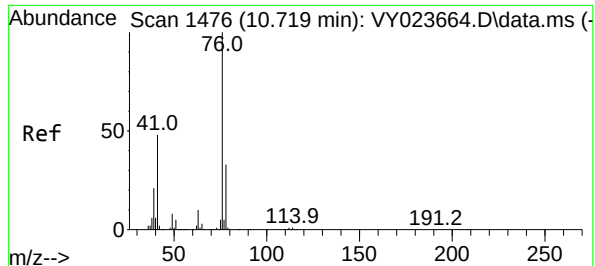
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#56
Ethyl methacrylate
Concen: 7.680 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

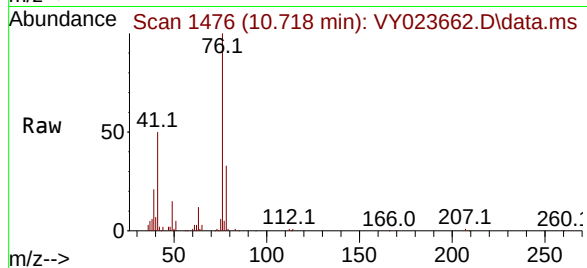
Tgt Ion	Ratio	Lower	Upper
69	100		
41	57.0	45.0	67.4
39	34.4	25.1	37.7





#57
1,3-Dichloropropane
Concen: 9.506 ug/l
RT: 10.718 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

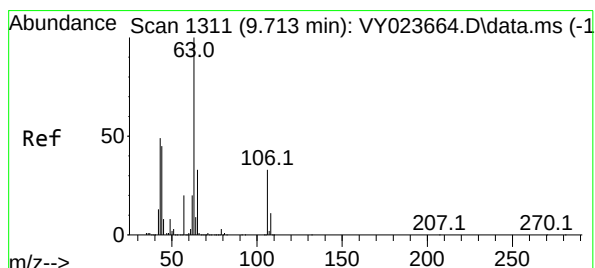
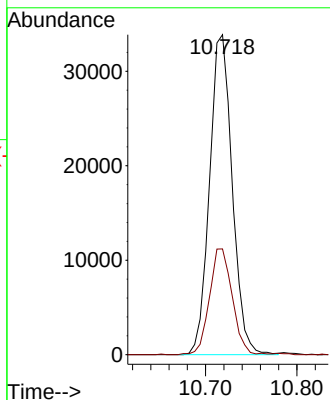
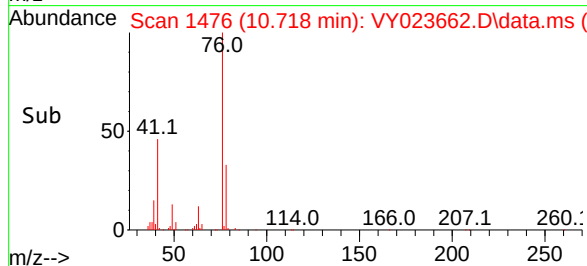
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



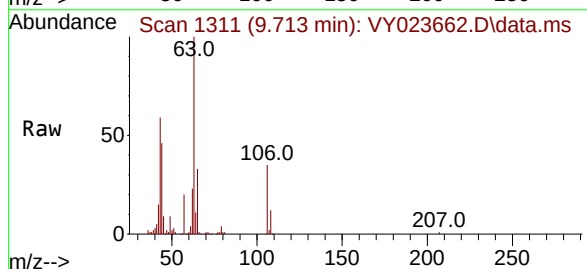
Tgt Ion: 76 Resp: 5830
Ion Ratio Lower Upper
76 100
78 33.3 26.0 39.0

Manual Integrations
APPROVED

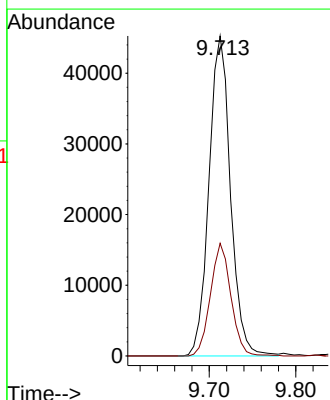
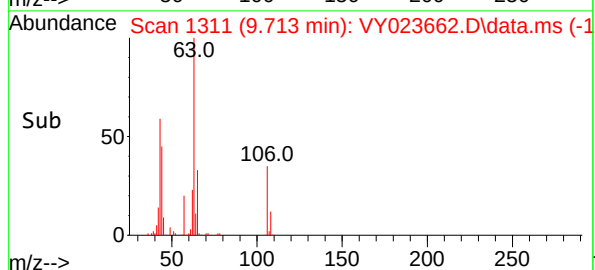
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

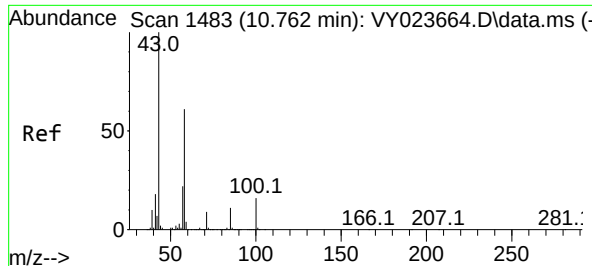


#58
2-Chloroethyl Vinyl ether
Concen: 40.025 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



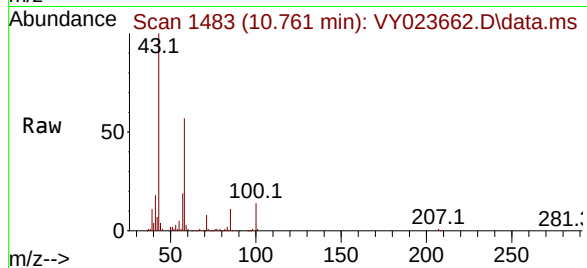
Tgt Ion: 63 Resp: 78241
Ion Ratio Lower Upper
63 100
106 33.5 26.2 39.2





#59
2-Hexanone
Concen: 42.130 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

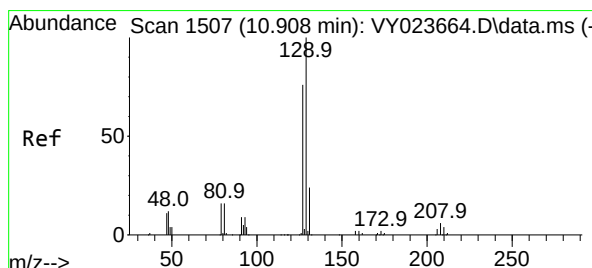
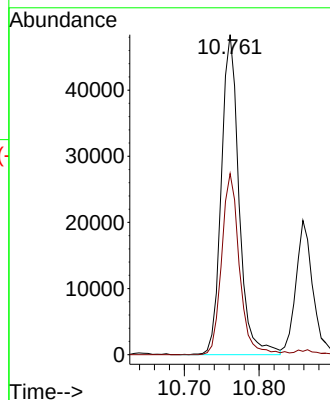
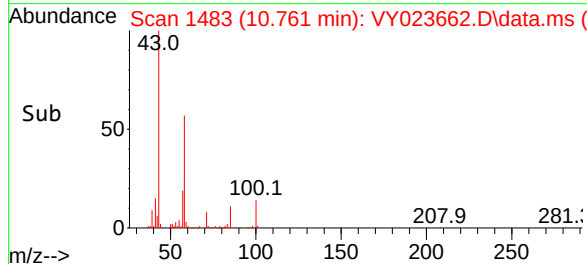
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



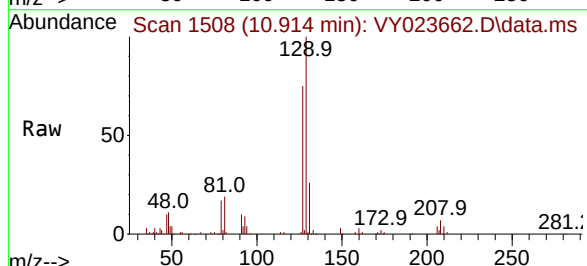
Tgt Ion: 43 Resp: 79804
Ion Ratio Lower Upper
43 100
58 56.9 30.2 90.6

Manual Integrations
APPROVED

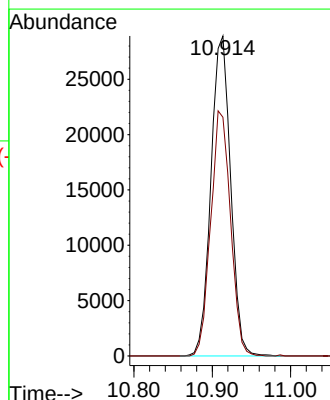
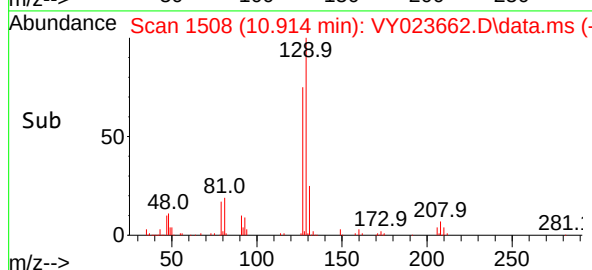
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

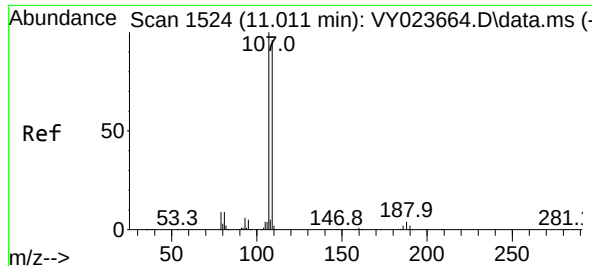


#60
Dibromochloromethane
Concen: 9.499 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



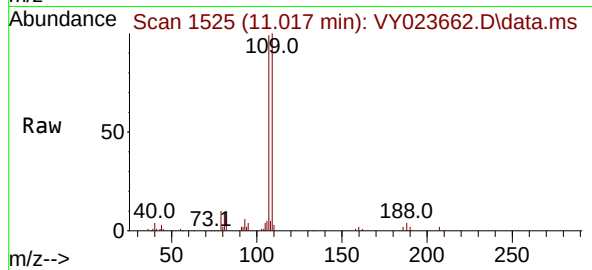
Tgt Ion:129 Resp: 50465
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





#61
1,2-Dibromoethane
Concen: 9.199 ug/l
RT: 11.017 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

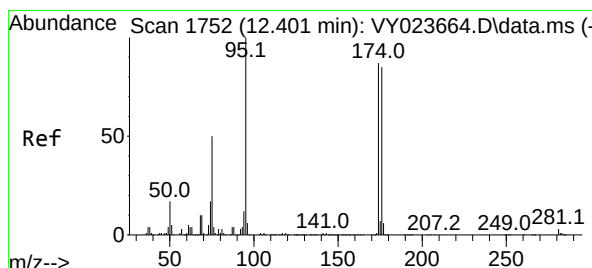
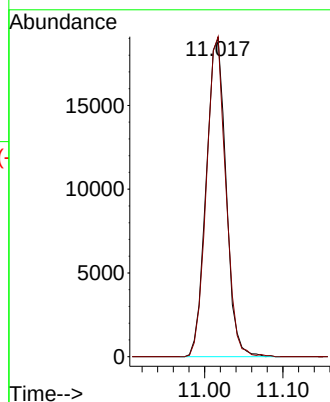
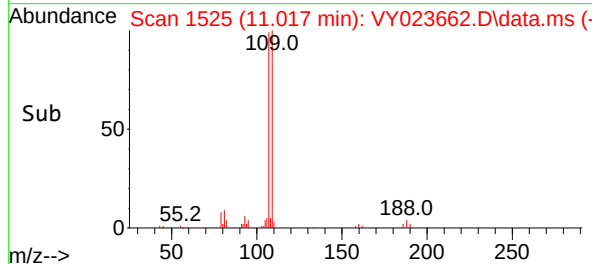
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 107 Resp: 33380
Ion Ratio Lower Upper
107 100
109 98.0 76.2 114.4

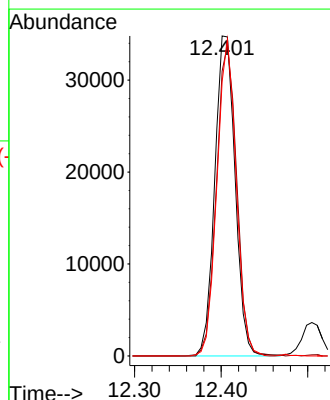
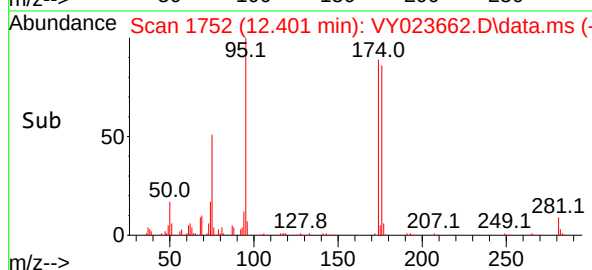
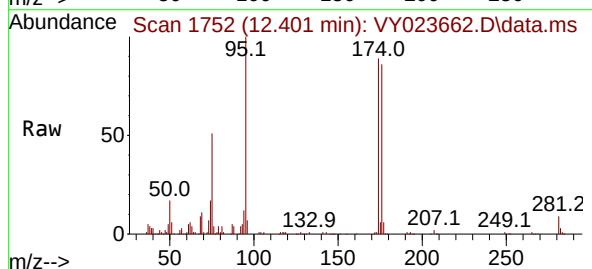
Manual Integrations
APPROVED

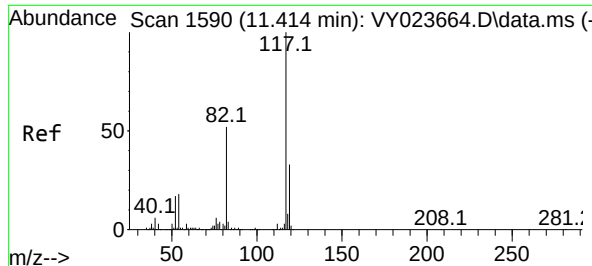
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 9.395 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 95 Resp: 56847
Ion Ratio Lower Upper
95 100
174 96.7 0.0 184.8
176 93.3 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:117 Resp: 69056

Ion Ratio Lower Upper

117 100

82 51.4 41.2 61.8

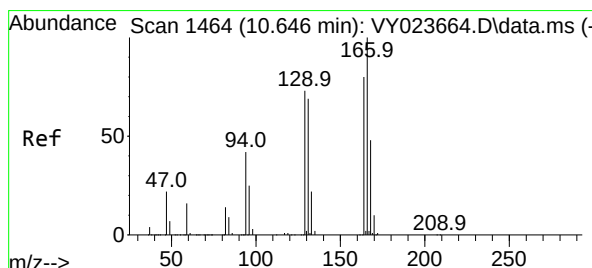
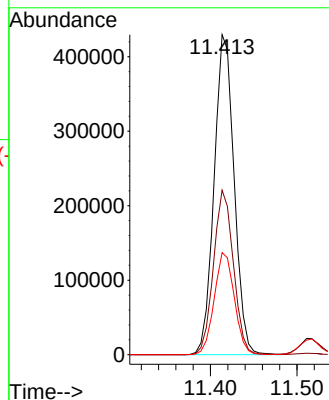
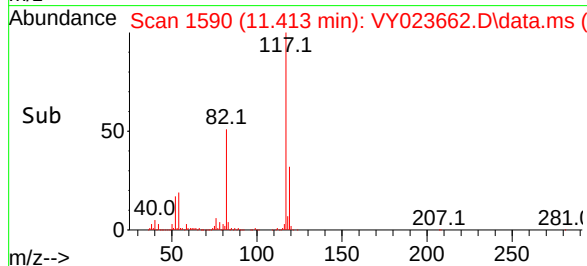
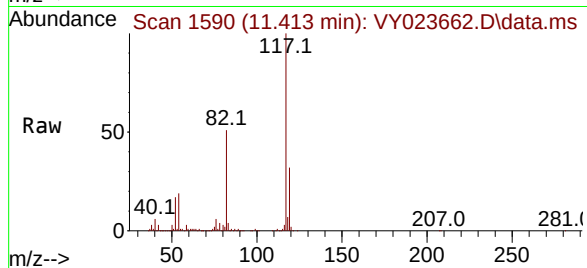
119 31.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#64

Tetrachloroethene

Concen: 10.541 ug/l

RT: 10.645 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion:164 Resp: 75769

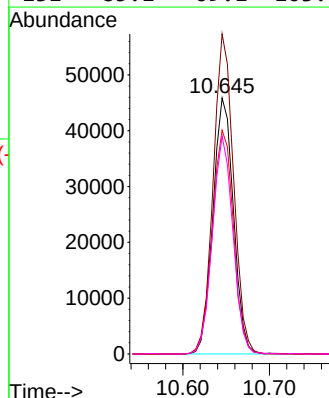
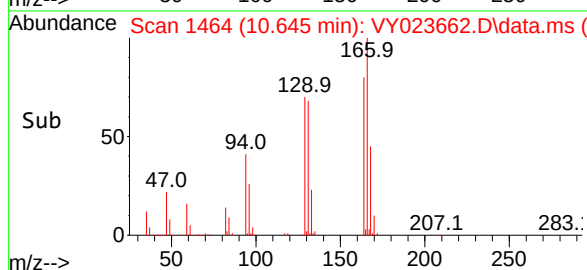
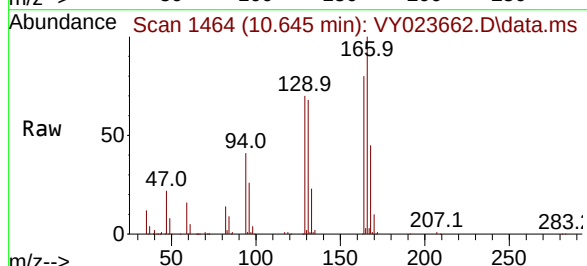
Ion Ratio Lower Upper

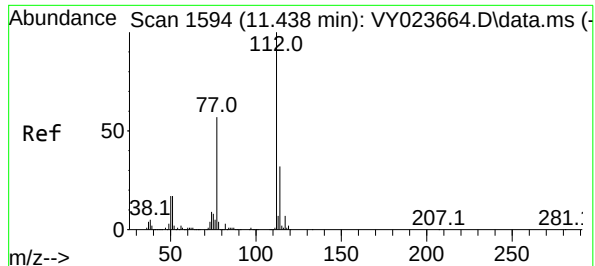
164 100

166 125.0 99.5 149.3

129 87.4 72.3 108.5

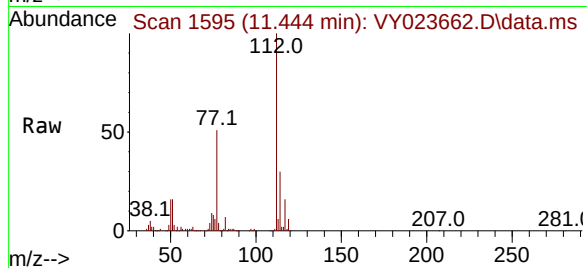
131 85.1 69.1 103.7





#65
Chlorobenzene
Concen: 10.063 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

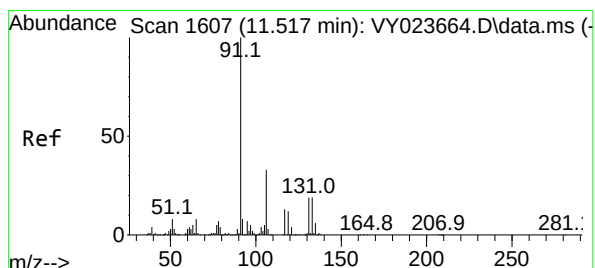
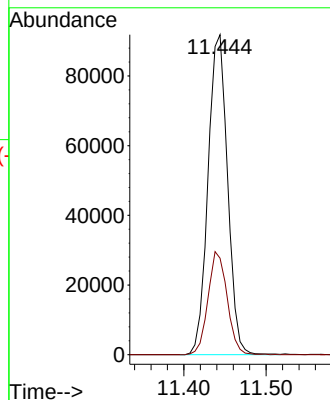
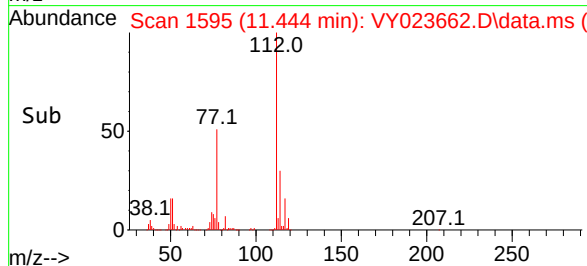
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:112 Resp: 15128
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.6

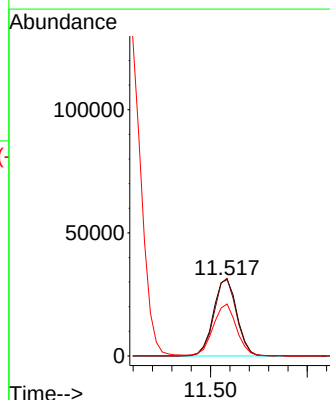
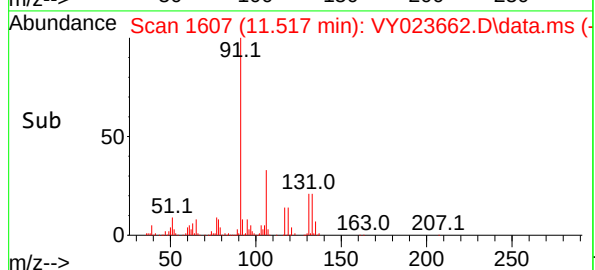
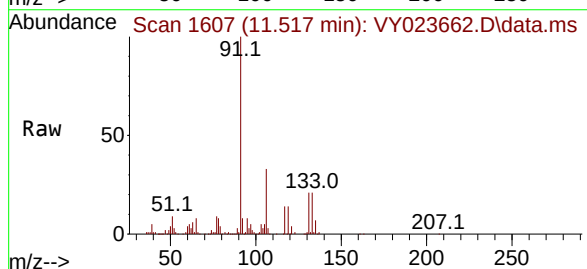
Manual Integrations
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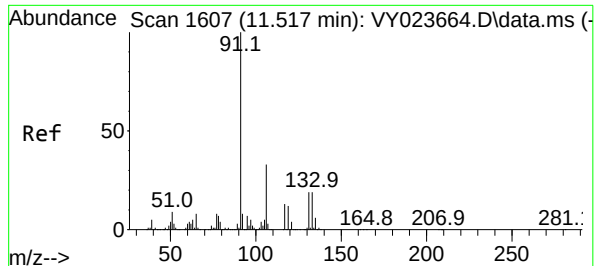
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 9.868 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion:131 Resp: 52459
Ion Ratio Lower Upper
131 100
133 96.9 47.3 141.8
119 67.8 32.5 97.4





#67

Ethyl Benzene

Concen: 9.430 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 229438

Ion Ratio Lower Upper

91 100

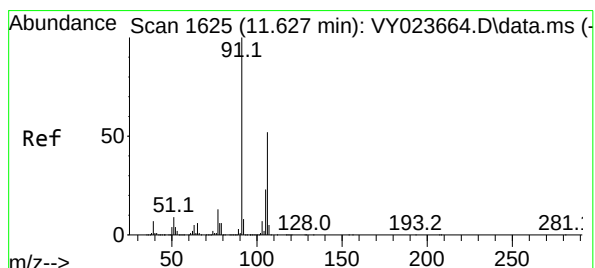
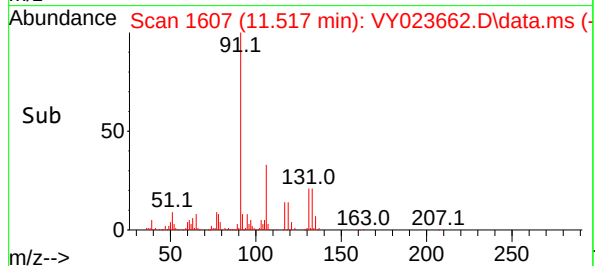
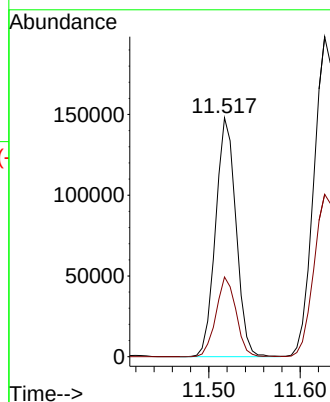
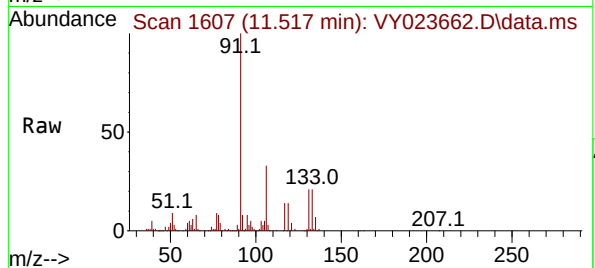
106 33.3 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

m/p-Xylenes

Concen: 19.072 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY023662.D

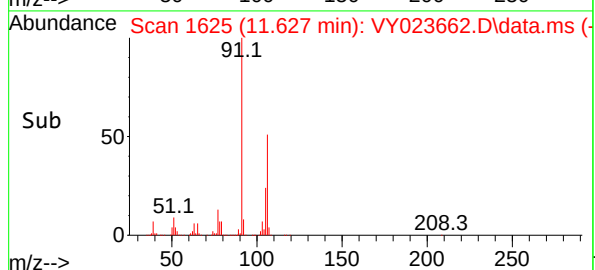
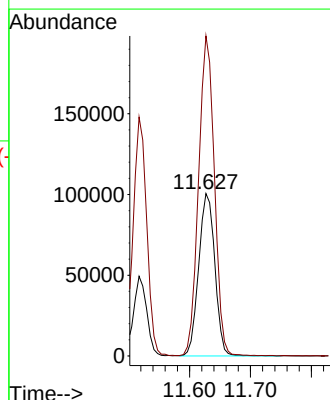
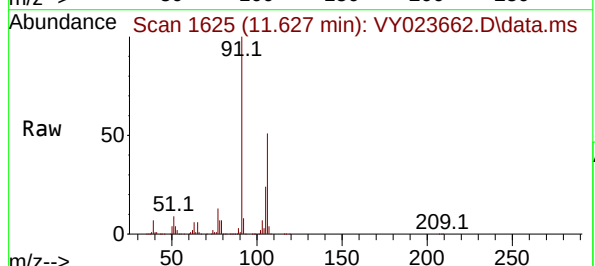
Acq: 04 Nov 2025 09:42

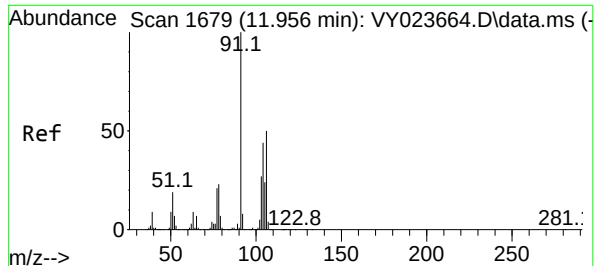
Tgt Ion:106 Resp: 185401

Ion Ratio Lower Upper

106 100

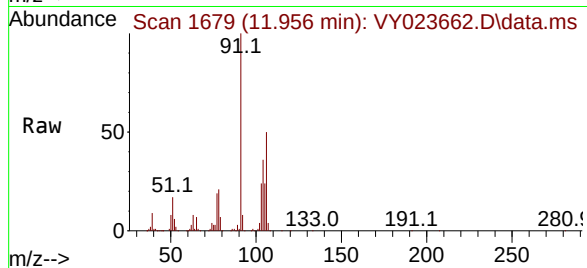
91 192.8 154.3 231.5





#69
o-Xylene
Concen: 9.219 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

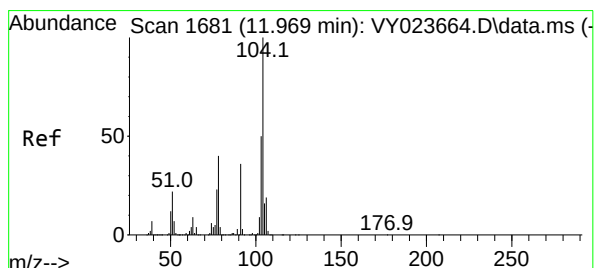
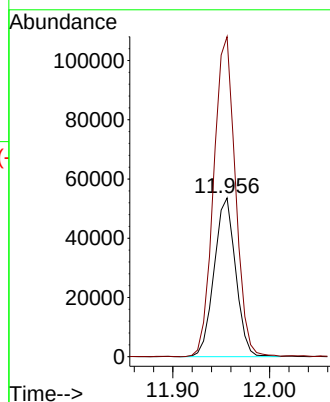
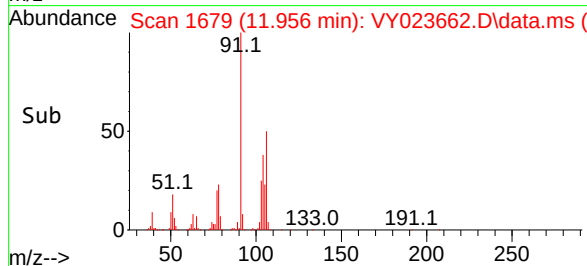
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:106 Resp: 82840
Ion Ratio Lower Upper
106 100
91 204.1 101.6 304.6

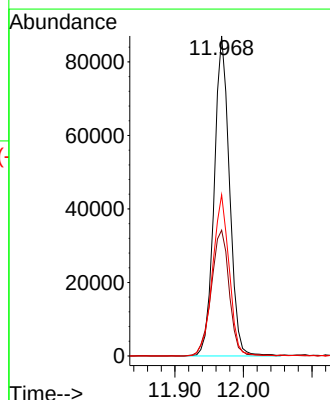
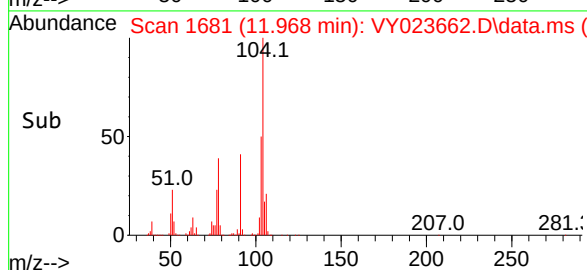
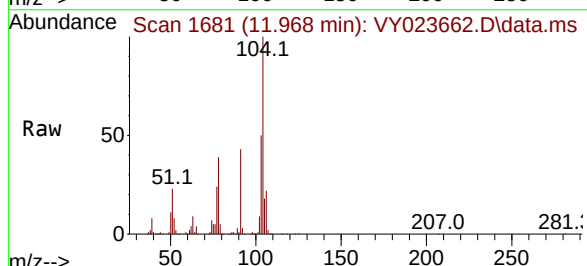
Manual Integrations
APPROVED

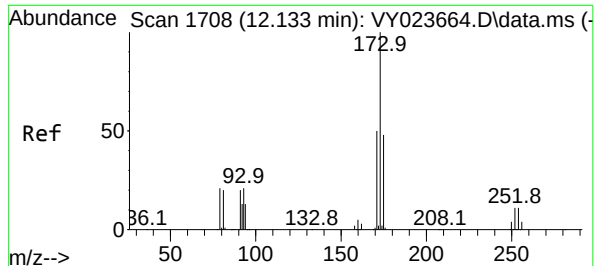
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 9.119 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

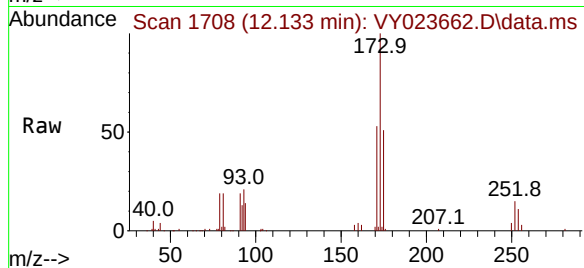
Tgt Ion:104 Resp: 135208
Ion Ratio Lower Upper
104 100
78 46.2 36.5 54.7
103 54.4 43.7 65.5





#71
Bromoform
Concen: 9.315 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

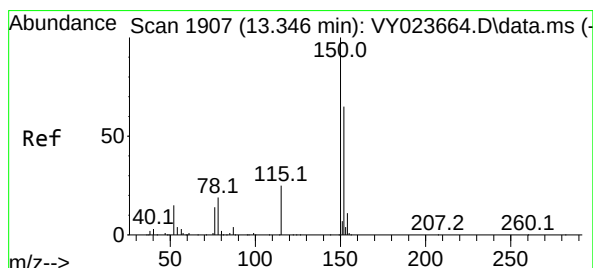
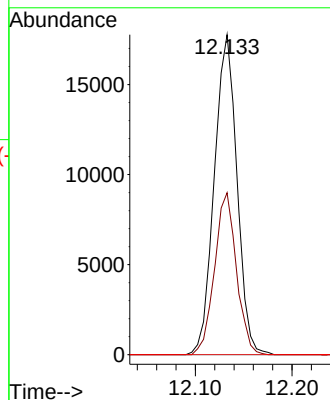
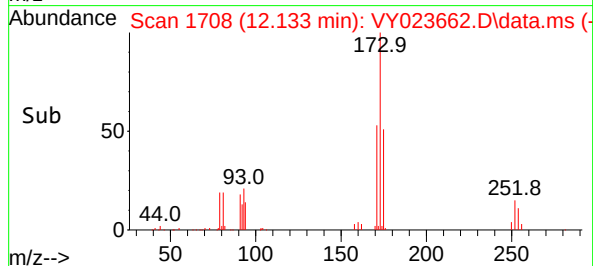
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



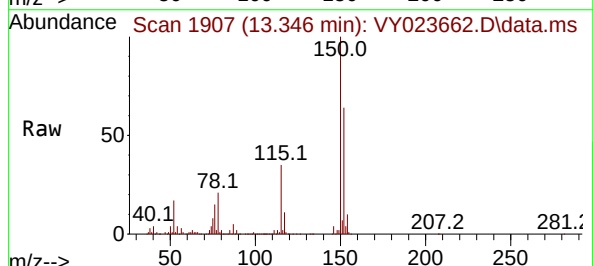
Tgt Ion:173 Resp: 2892
Ion Ratio Lower Upper
173 100
175 48.8 24.2 72.6
254 0.0 0.2 0.2

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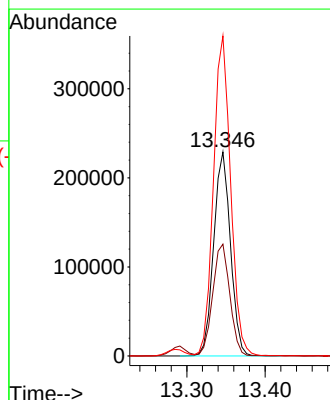
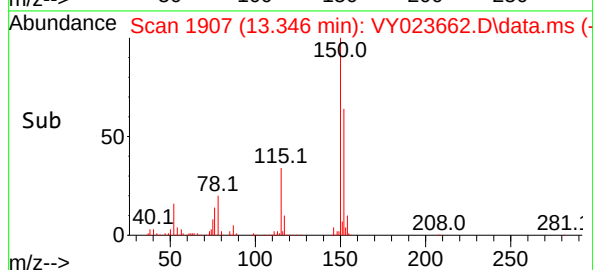
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

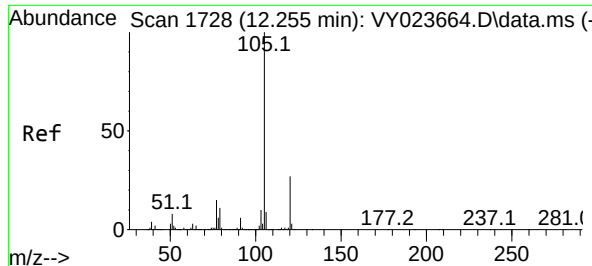


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



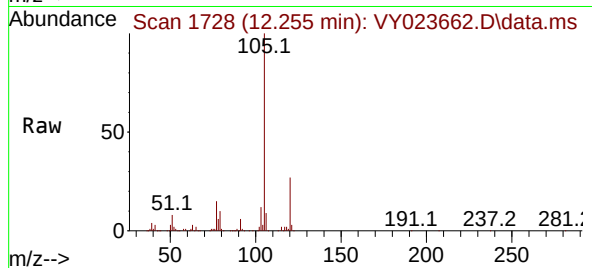
Tgt Ion:152 Resp: 340245
Ion Ratio Lower Upper
152 100
115 55.9 27.5 82.5
150 160.5 0.0 349.0





#73
Isopropylbenzene
Concen: 9.579 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

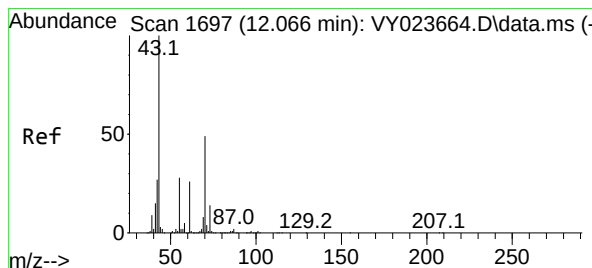
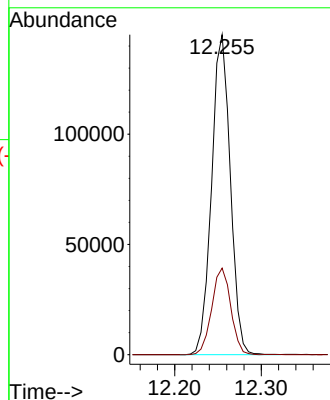
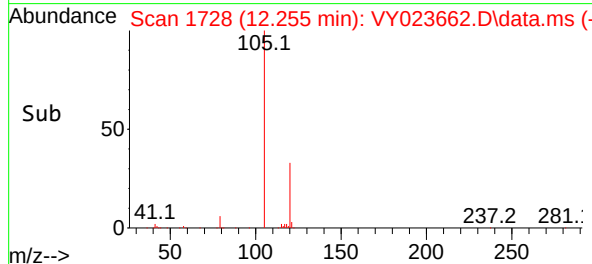
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 217972
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.7

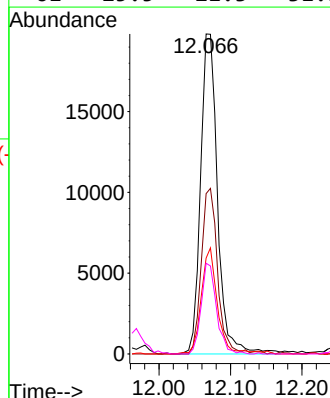
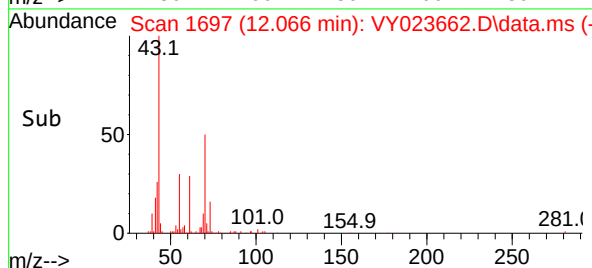
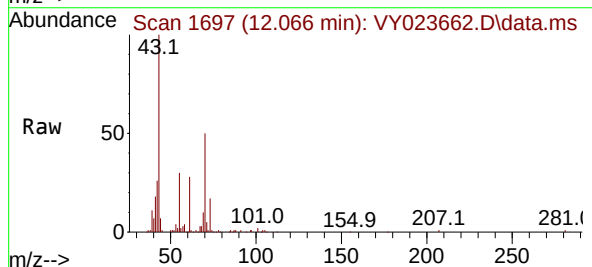
Manual Integrations
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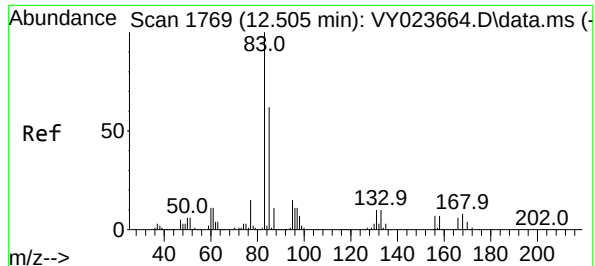
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 8.492 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 43 Resp: 32719
Ion Ratio Lower Upper
43 100
70 49.9 40.1 60.1
55 31.2 23.0 34.6
61 25.5 21.3 31.9





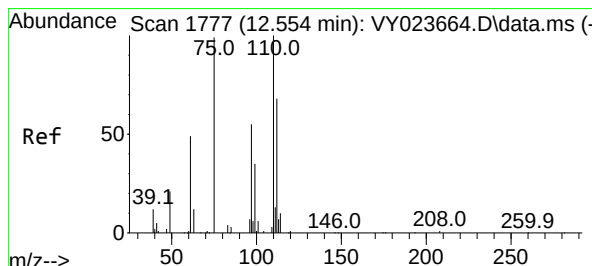
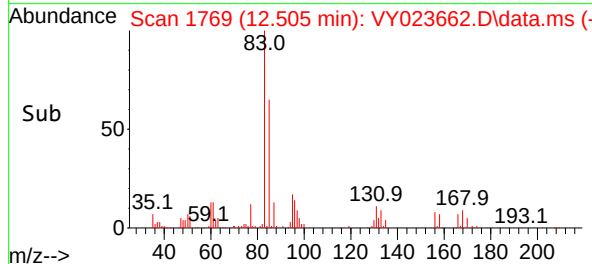
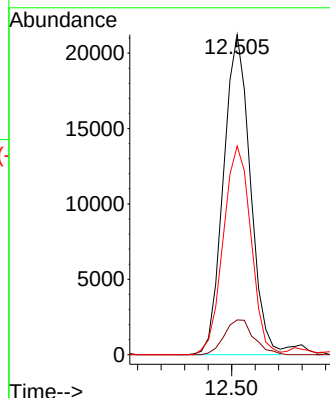
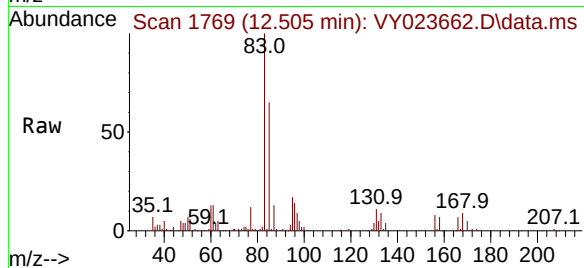
#75
1,1,2,2-Tetrachloroethane
Concen: 9.251 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 3362
Ion Ratio Lower Upper
83 100
131 11.9 5.7 17.0
85 67.4 31.9 95.7

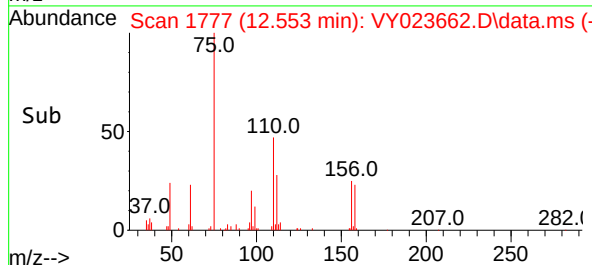
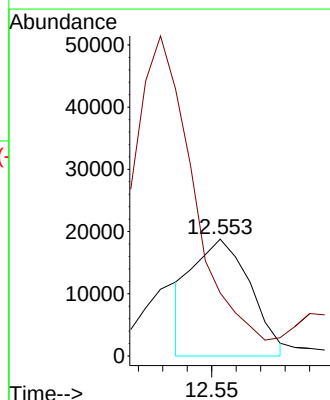
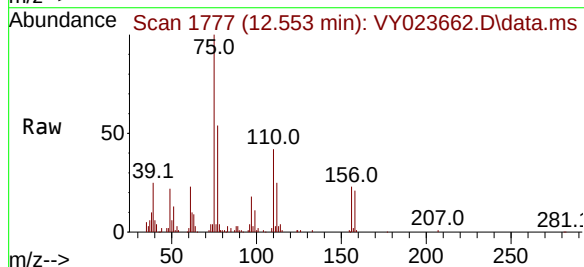
Manual Integrations
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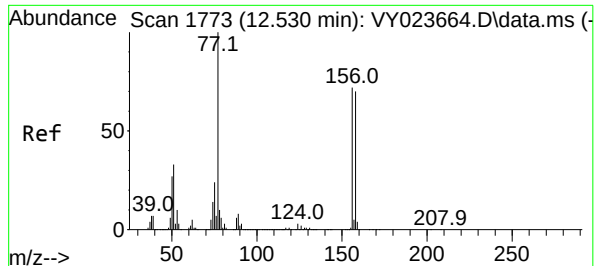
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#76
1,2,3-Trichloropropane
Concen: 11.195 ug/l m
RT: 12.553 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 75 Resp: 30827
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





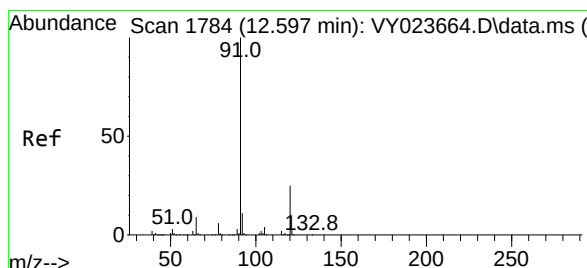
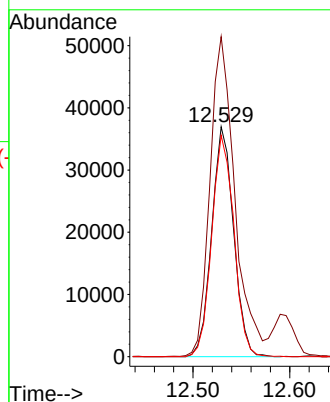
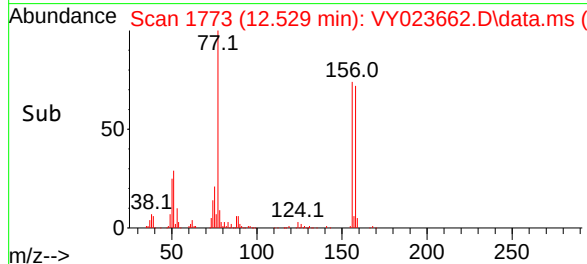
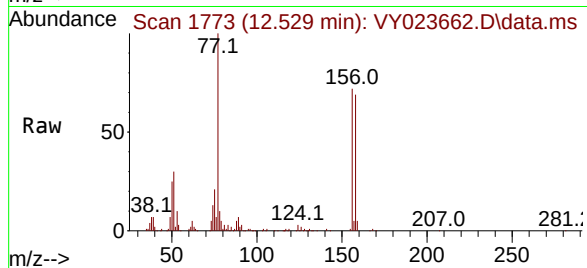
#77
Bromobenzene
Concen: 9.855 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 5817
Ion Ratio Lower Upper
156 100
77 157.7 77.9 233.7
158 97.3 48.5 145.5

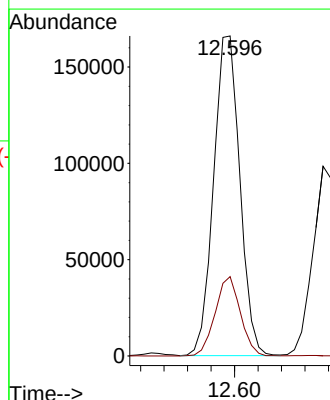
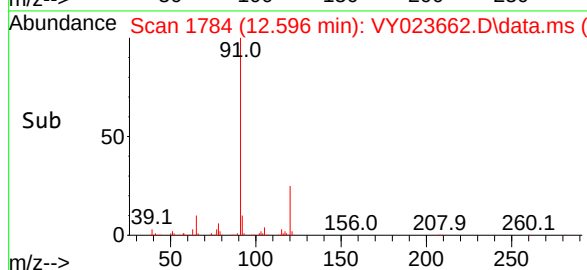
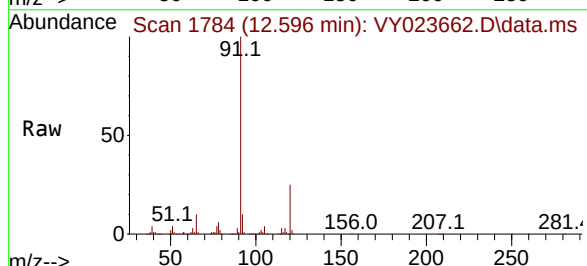
Manual Integrations
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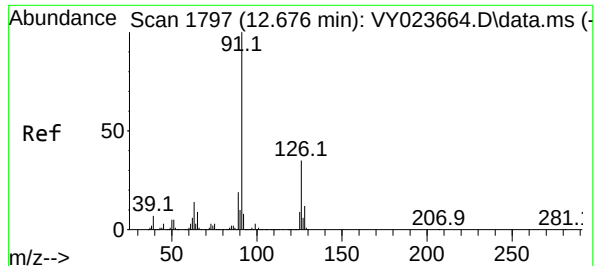
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 9.612 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 91 Resp: 257281
Ion Ratio Lower Upper
91 100
120 23.9 12.0 36.1





#79

2-Chlorotoluene

Concen: 9.830 ug/l

RT: 12.675 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 15269

Ion Ratio Lower Upper

91 100

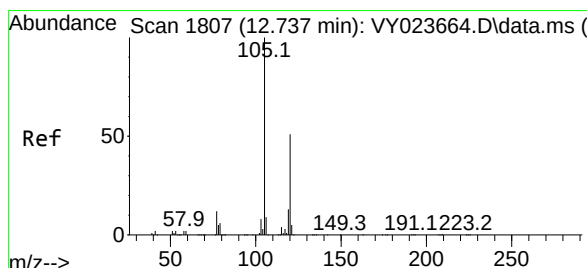
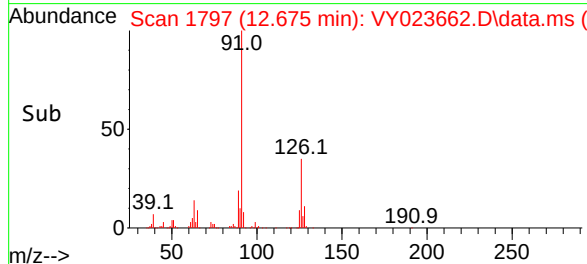
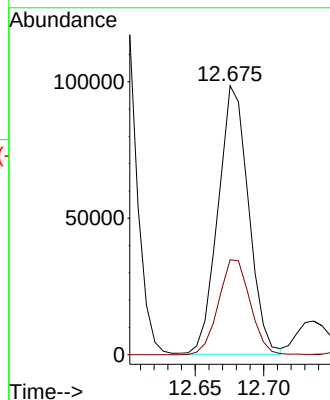
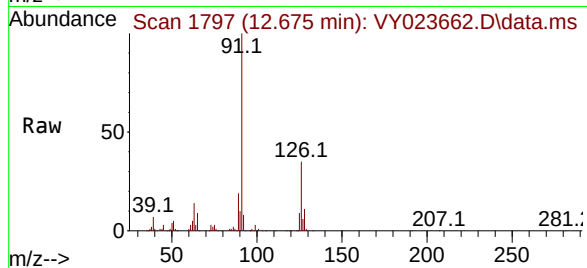
126 36.6 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.585 ug/l

RT: 12.736 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY023662.D

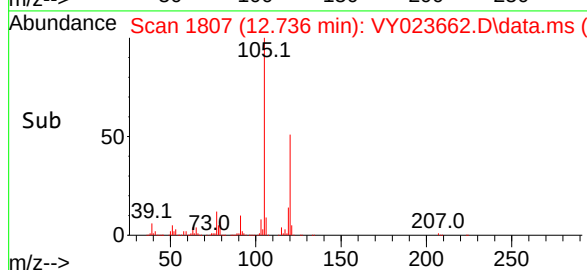
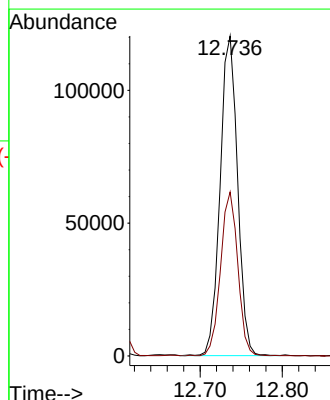
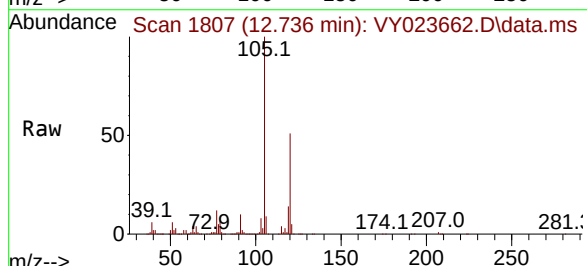
Acq: 04 Nov 2025 09:42

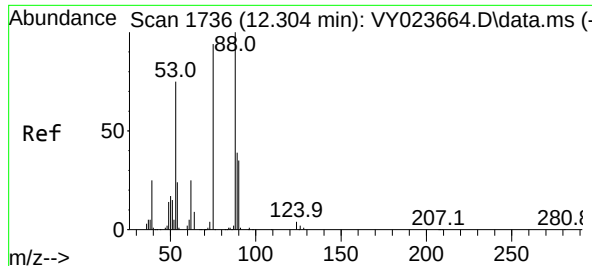
Tgt Ion:105 Resp: 177222

Ion Ratio Lower Upper

105 100

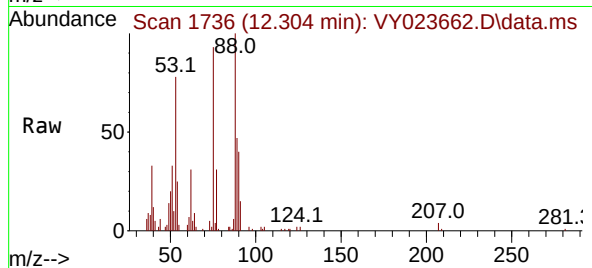
120 51.0 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 9.416 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

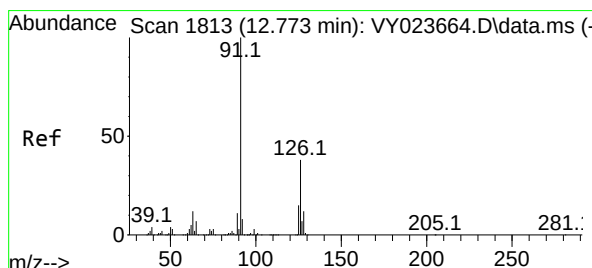
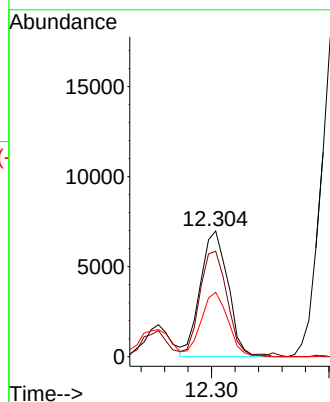
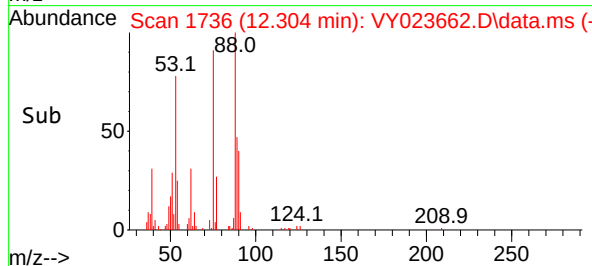
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 1147
Ion Ratio Lower Upper
75 100
53 81.0 69.6 104.4
89 49.7 38.2 57.4

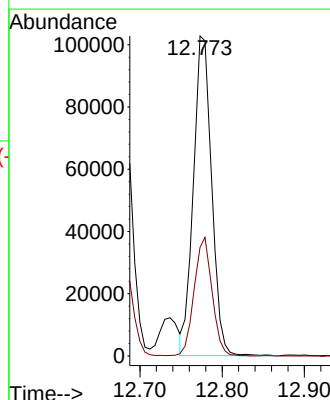
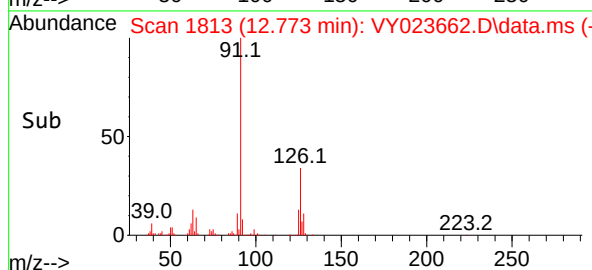
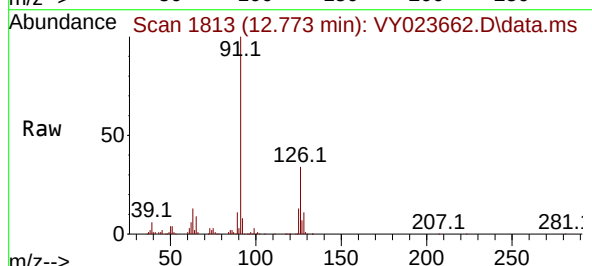
Manual Integrations
APPROVED

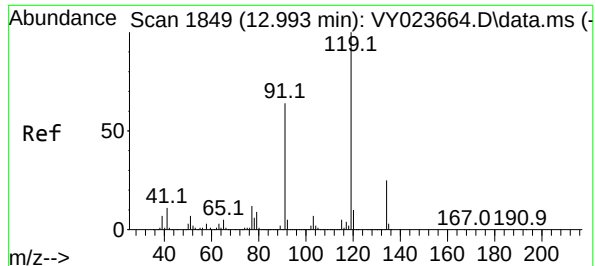
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 9.876 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 91 Resp: 158206
Ion Ratio Lower Upper
91 100
126 36.5 18.1 54.4





#83

tert-Butylbenzene

Concen: 9.400 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:119 Resp: 158294

Ion Ratio Lower Upper

119 100

91 61.5 30.7 92.1

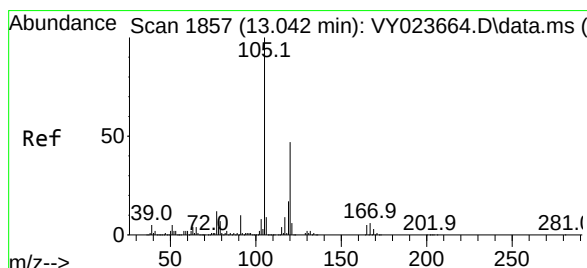
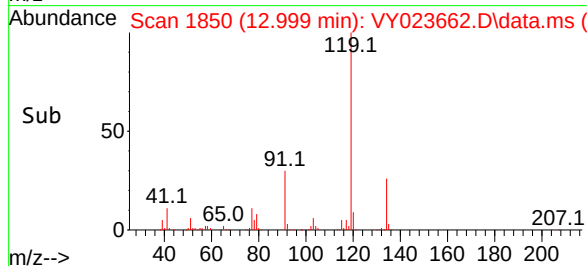
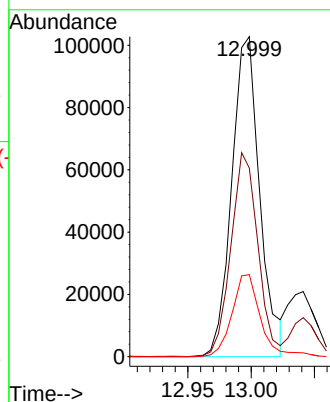
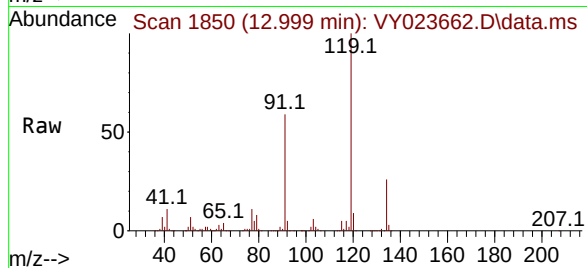
134 26.2 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#84

1,2,4-Trimethylbenzene

Concen: 9.667 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY023662.D

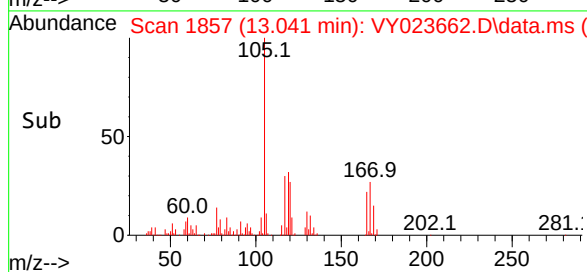
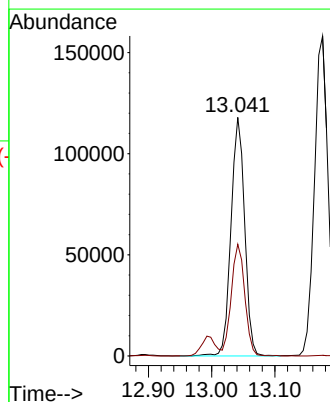
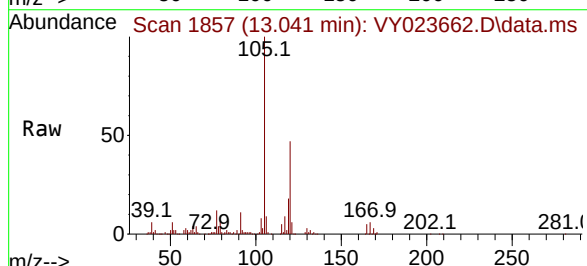
Acq: 04 Nov 2025 09:42

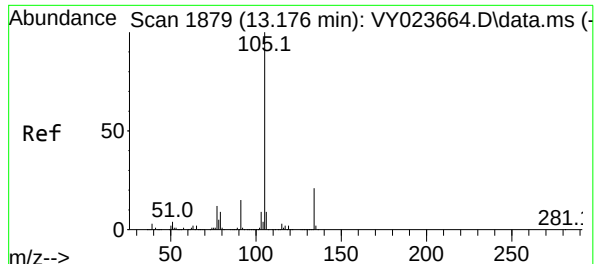
Tgt Ion:105 Resp: 177023

Ion Ratio Lower Upper

105 100

120 46.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 9.730 ug/l

RT: 13.175 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:105 Resp: 23633

Ion Ratio Lower Upper

105 100

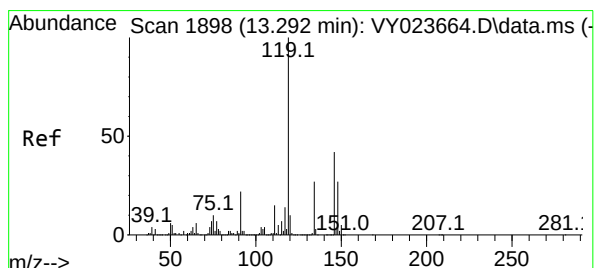
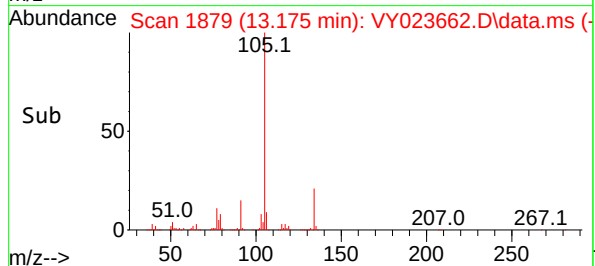
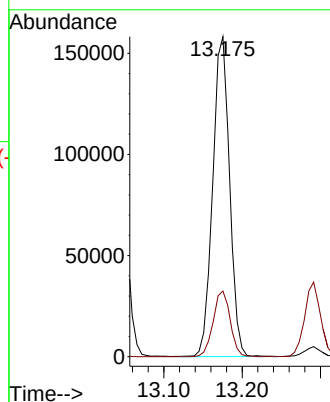
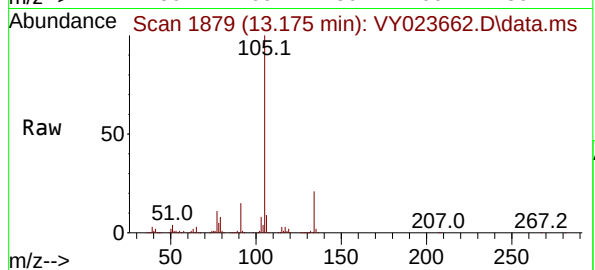
134 20.7 10.4 31.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#86

p-Isopropyltoluene

Concen: 9.365 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

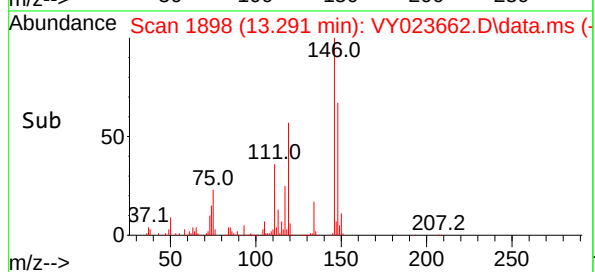
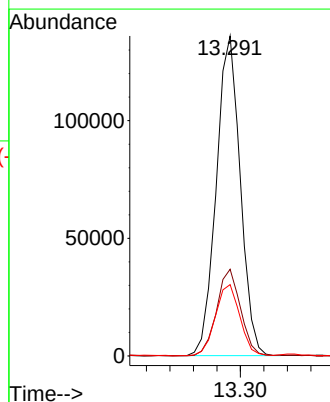
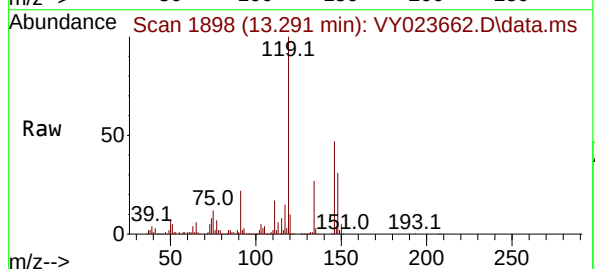
Tgt Ion:119 Resp: 192560

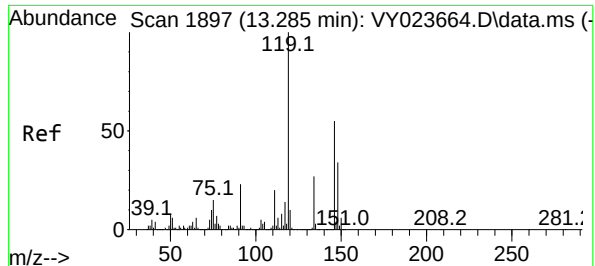
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 22.8 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 9.976 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

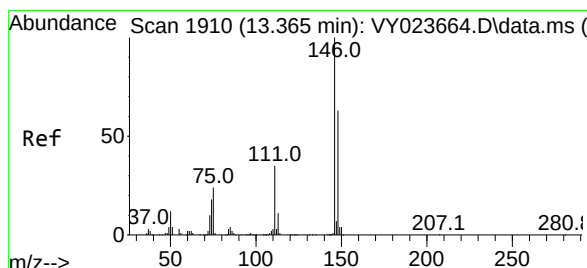
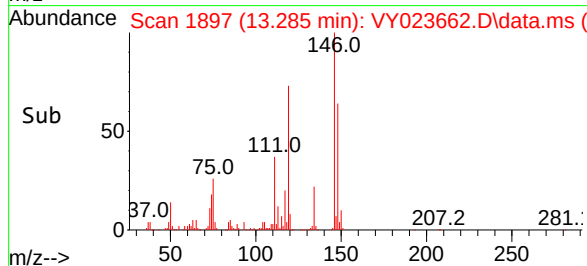
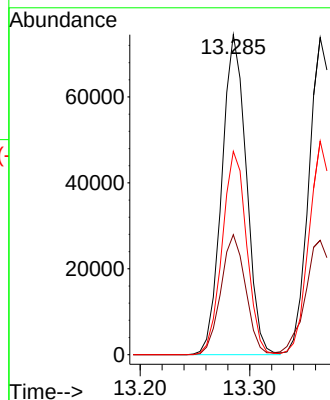
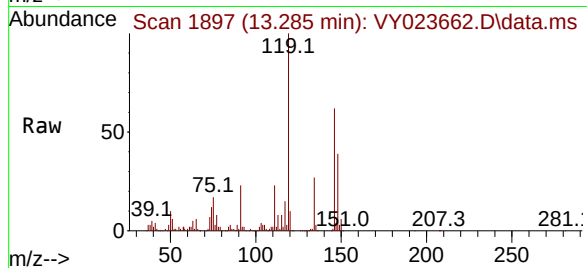
VSTDIC010

Tgt Ion:146	Resp:	11590
Ion Ratio	Lower	Upper
146	100	
111	37.7	18.8 56.3
148	63.3	31.9 95.5

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 10.046 ug/l

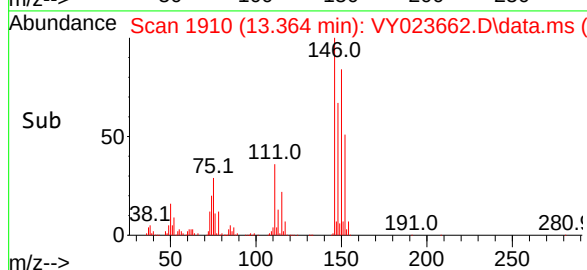
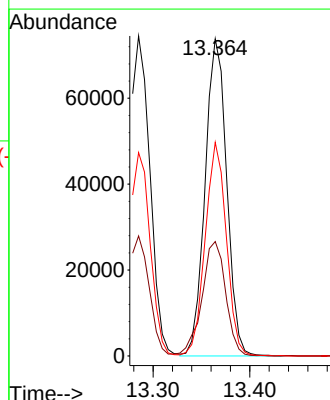
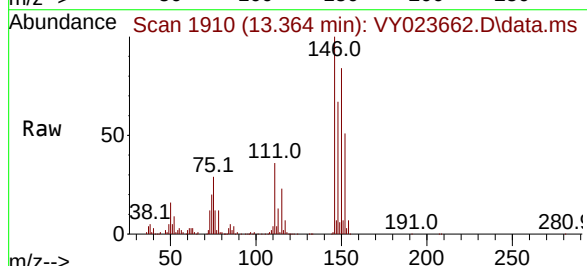
RT: 13.364 min Scan# 1910

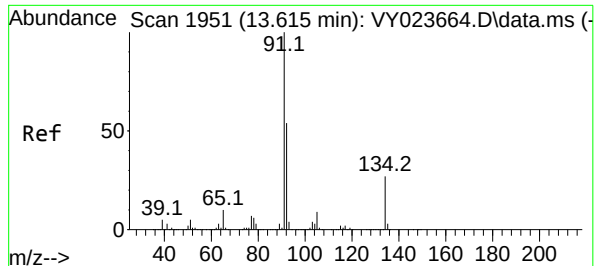
Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion:146	Resp:	114652
Ion Ratio	Lower	Upper
146	100	
111	39.8	18.3 54.8
148	66.0	31.8 95.3





#89

n-Butylbenzene

Concen: 9.290 ug/l

RT: 13.614 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

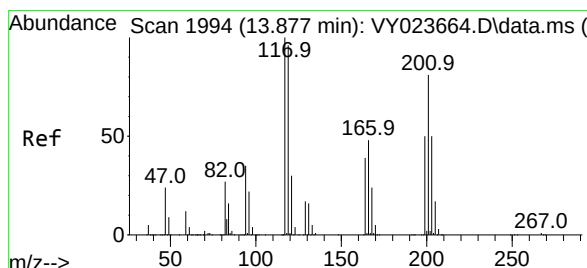
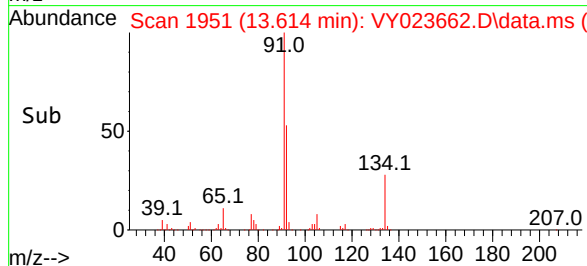
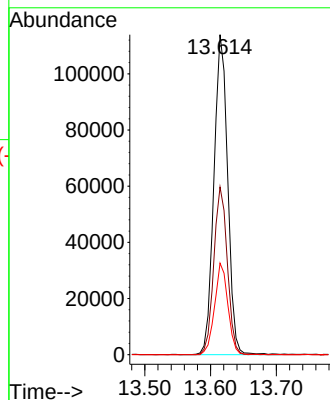
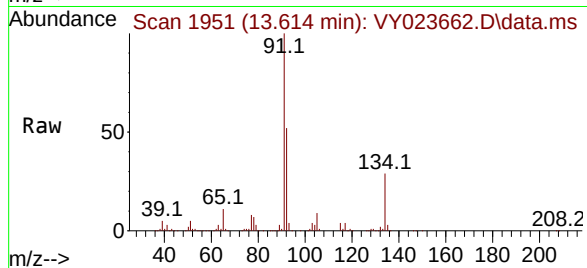
Tgt Ion:	91	Resp:	166099
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.4
134	27.6	13.7	41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 10.101 ug/l

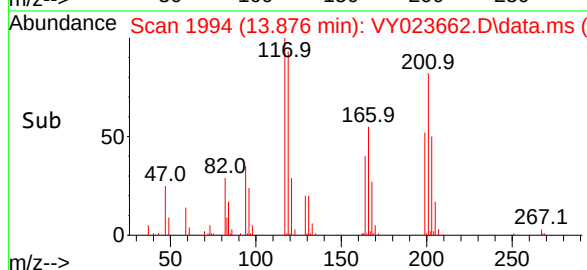
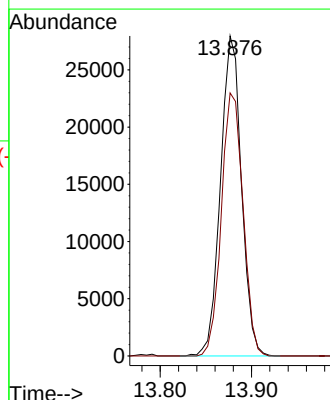
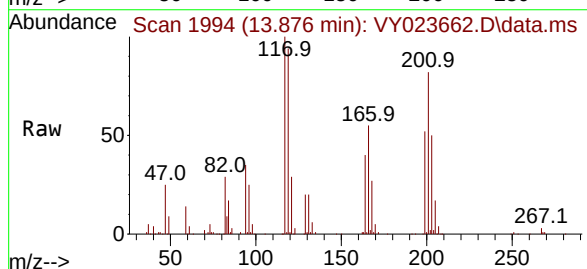
RT: 13.876 min Scan# 1994

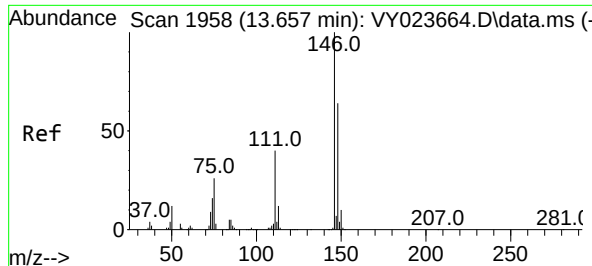
Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Tgt Ion:	117	Resp:	44630
Ion	Ratio	Lower	Upper
117	100		
201	84.7	42.3	126.8





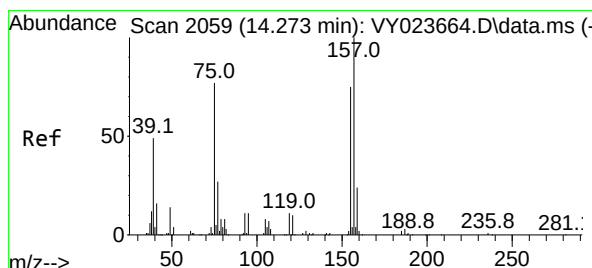
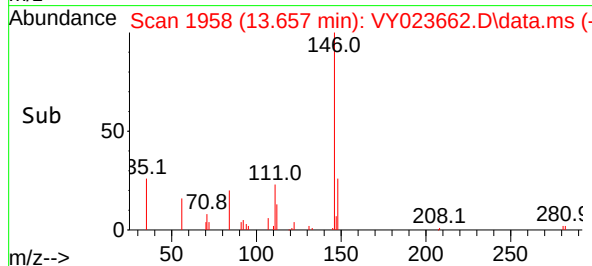
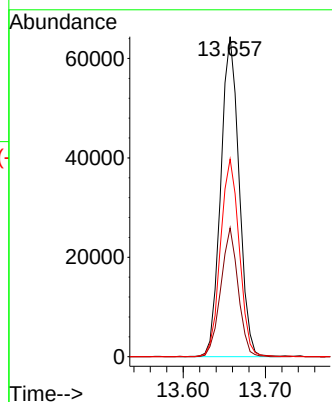
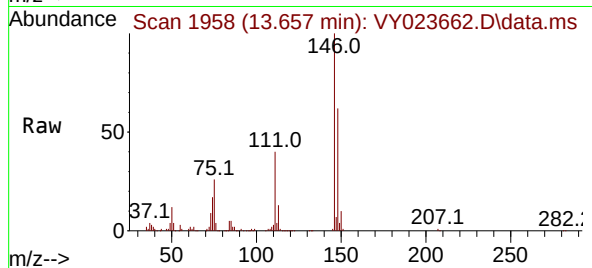
#91
1,2-Dichlorobenzene
Concen: 9.974 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 99858
Ion Ratio Lower Upper
146 100
111 38.1 19.5 58.5
148 63.3 31.9 95.9

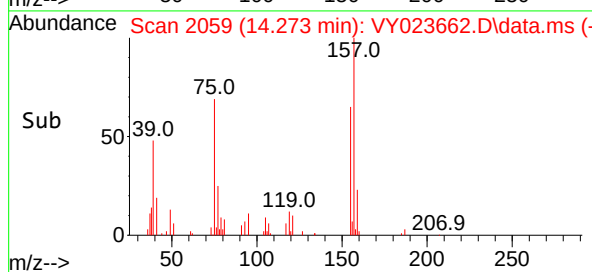
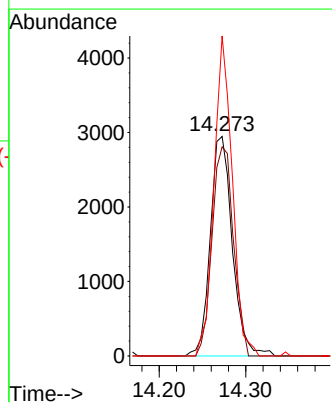
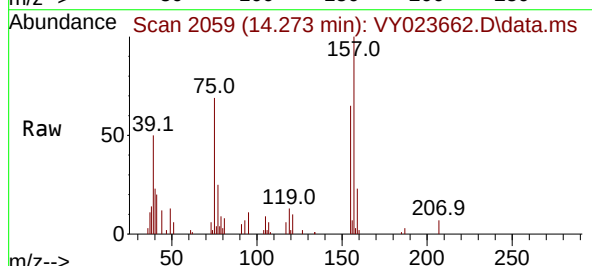
Manual Integrations
APPROVED

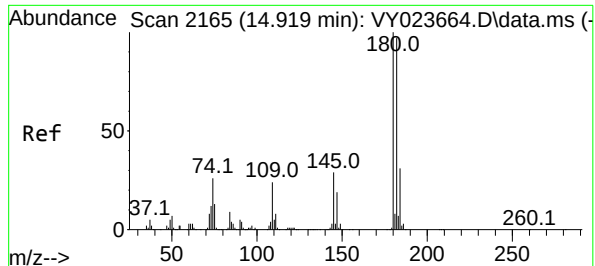
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 9.296 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

Tgt Ion: 75 Resp: 5202
Ion Ratio Lower Upper
75 100
155 92.8 49.4 148.2
157 121.2 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 8.872 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tgt Ion:180 Resp: 50808

Ion Ratio Lower Upper

180 100

182 93.1 47.5 142.6

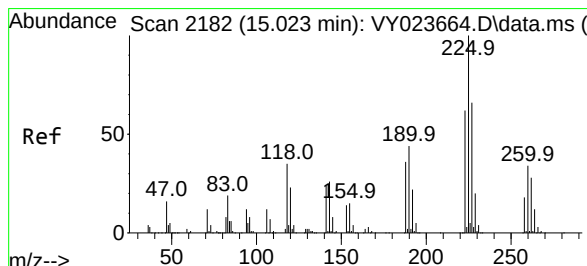
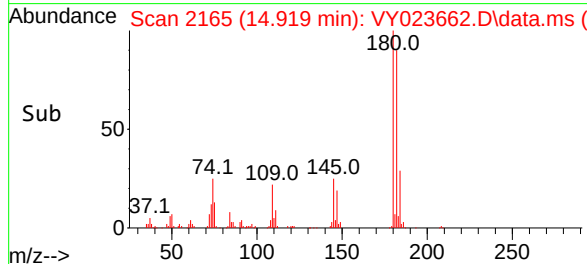
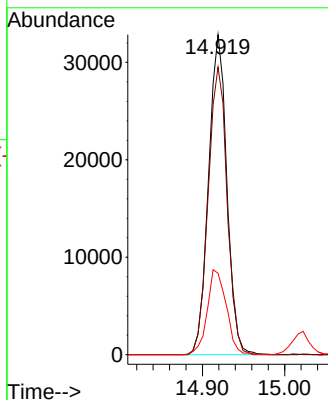
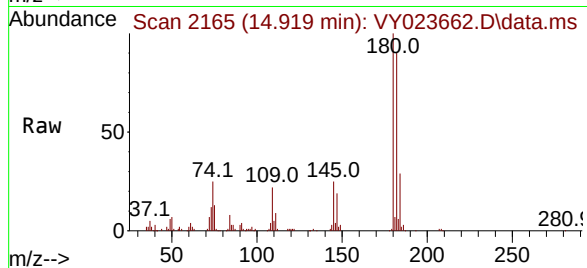
145 27.6 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 9.999 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY023662.D

Acq: 04 Nov 2025 09:42

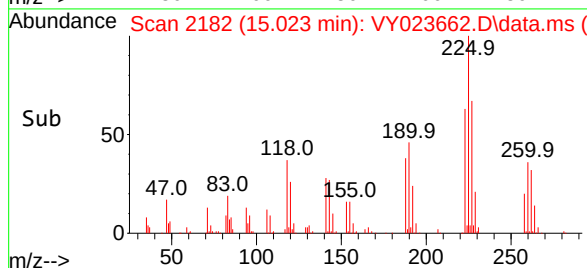
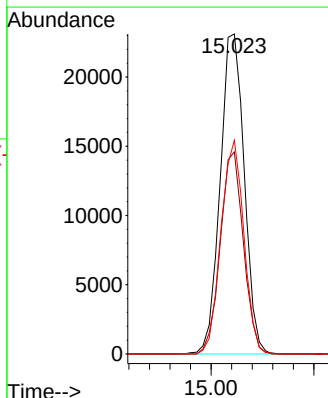
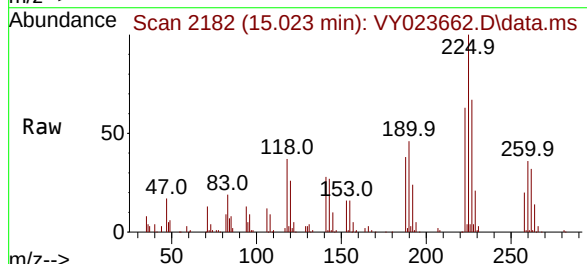
Tgt Ion:225 Resp: 37521

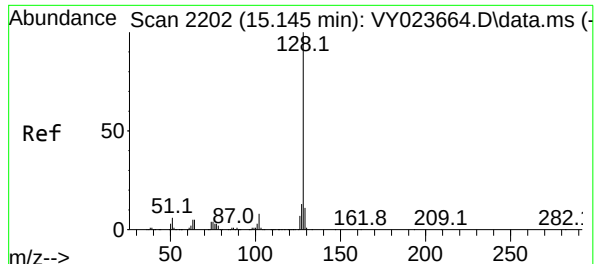
Ion Ratio Lower Upper

225 100

223 60.7 30.8 92.3

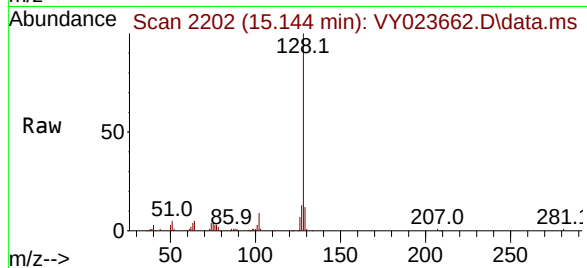
227 63.5 32.0 96.2





#95
Naphthalene
Concen: 11.029 ug/l
RT: 15.144 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42

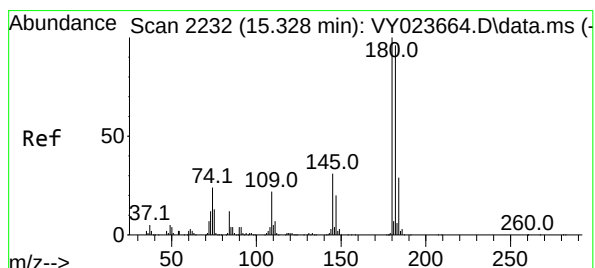
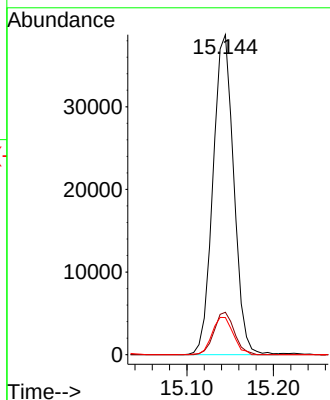
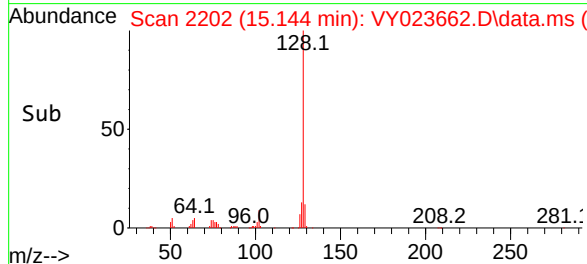
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010



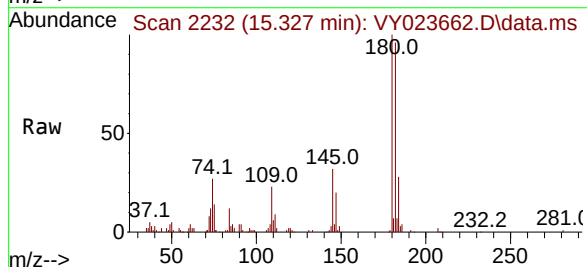
Tgt Ion:128 Resp: 64530
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 11.9 8.8 13.2

Manual Integrations
APPROVED

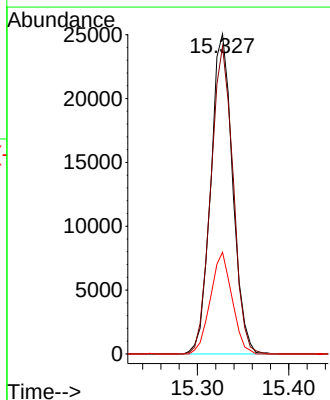
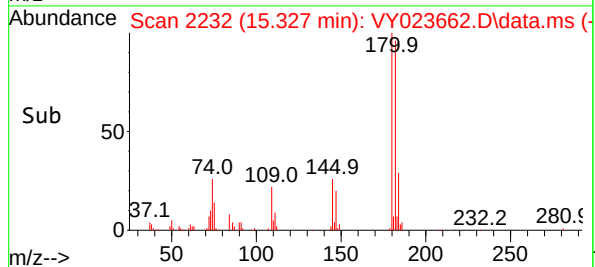
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 8.697 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023662.D
Acq: 04 Nov 2025 09:42



Tgt Ion:180 Resp: 41611
Ion Ratio Lower Upper
180 100
182 97.6 47.5 142.6
145 31.4 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023663.D
 Acq On : 04 Nov 2025 10:19
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 05 04:27:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	545914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	804973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	707291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	367397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93111	19.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.000%#		
35) Dibromofluoromethane	7.634	113	100472	19.972	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.940%#		
50) Toluene-d8	10.109	98	371763	19.839	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.680%#		
62) 4-Bromofluorobenzene	12.402	95	121943	20.122	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	81455	22.731	ug/l	100
3) Chloromethane	2.074	50	106778	21.293	ug/l	100
4) Vinyl Chloride	2.208	62	138125	21.168	ug/l	98
5) Bromomethane	2.592	94	115694	21.078	ug/l	98
6) Chloroethane	2.739	64	94359	20.922	ug/l	98
7) Trichlorofluoromethane	3.056	101	193612	21.067	ug/l	96
8) Diethyl Ether	3.452	74	50730	20.585	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	102772	20.297	ug/l	99
10) Methyl Iodide	4.007	142	121925	20.392	ug/l	100
11) Tert butyl alcohol	4.854	59	29518	98.306	ug/l	99
12) 1,1-Dichloroethene	3.787	96	100782	20.662	ug/l	98
13) Acrolein	3.653	56	42967	111.331	ug/l	99
14) Allyl chloride	4.385	41	119977	20.209	ug/l	100
15) Acrylonitrile	5.061	53	97947	103.998	ug/l	100
16) Acetone	3.873	43	125071	108.051	ug/l	96
17) Carbon Disulfide	4.104	76	310907	20.768	ug/l	100
18) Methyl Acetate	4.385	43	63810	24.993	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	231292	20.450	ug/l	97
20) Methylene Chloride	4.616	84	112357	20.107	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	113402	20.620	ug/l	98
22) Diisopropyl ether	6.019	45	275900	20.856	ug/l	95
23) Vinyl Acetate	5.964	43	688746	97.564	ug/l	99
24) 1,1-Dichloroethane	5.915	63	179473	20.365	ug/l	99
25) 2-Butanone	6.896	43	141827	105.975	ug/l	97
26) 2,2-Dichloropropane	6.884	77	162022	19.986	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125435	19.971	ug/l	99
28) Bromochloromethane	7.244	49	71844	21.291	ug/l	100
29) Tetrahydrofuran	7.262	42	74415	104.407	ug/l	97
30) Chloroform	7.421	83	200613	20.402	ug/l	98
31) Cyclohexane	7.707	56	151188	19.699	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	179118	20.382	ug/l	99
36) 1,1-Dichloropropene	7.841	75	137450	20.447	ug/l	99
37) Ethyl Acetate	6.988	43	51827	19.916	ug/l	98
38) Carbon Tetrachloride	7.817	117	161201	20.353	ug/l	99
39) Methylcyclohexane	9.109	83	172623	20.098	ug/l	98
40) Benzene	8.079	78	436191	20.586	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023663.D
 Acq On : 04 Nov 2025 10:19
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 05 04:27:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	27760m	19.999	ug/l	
42) 1,2-Dichloroethane	8.158	62	110796	20.669	ug/l	100
43) Isopropyl Acetate	8.201	43	98512	20.148	ug/l	99
44) Trichloroethene	8.866	130	124567	20.468	ug/l	96
45) 1,2-Dichloropropane	9.140	63	96481	20.632	ug/l	98
46) Dibromomethane	9.231	93	61391	21.188	ug/l	97
47) Bromodichloromethane	9.426	83	151710	20.767	ug/l	99
48) Methyl methacrylate	9.225	41	46988	20.341	ug/l	98
49) 1,4-Dioxane	9.231	88	11983	404.113	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	273875	105.327	ug/l	99
52) Toluene	10.170	92	281364	20.799	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	125239	20.261	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	152830	20.637	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	80390	20.761	ug/l	96
56) Ethyl methacrylate	10.438	69	83993	19.687	ug/l	98
57) 1,3-Dichloropropane	10.719	76	128976	20.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	192206	98.178	ug/l	100
59) 2-Hexanone	10.762	43	203840	107.451	ug/l	99
60) Dibromochloromethane	10.914	129	110009	20.677	ug/l	98
61) 1,2-Dibromoethane	11.018	107	77174	21.237	ug/l	97
64) Tetrachloroethene	10.646	164	154270	20.955	ug/l	98
65) Chlorobenzene	11.444	112	313776	20.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	109560	20.122	ug/l	98
67) Ethyl Benzene	11.518	91	505466	20.283	ug/l	98
68) m/p-Xylenes	11.627	106	408699	41.048	ug/l	97
69) o-Xylene	11.956	106	186475	20.260	ug/l	100
70) Styrene	11.969	104	313946	20.674	ug/l	100
71) Bromoform	12.133	173	64954	20.426	ug/l #	98
73) Isopropylbenzene	12.255	105	484626	19.723	ug/l	99
74) N-amyl acetate	12.072	43	76905	18.486	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	76650	19.531	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	60277m	20.272	ug/l	
77) Bromobenzene	12.530	156	124926	19.600	ug/l	97
78) n-propylbenzene	12.597	91	577151	19.968	ug/l	99
79) 2-Chlorotoluene	12.676	91	336249	20.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	401810	20.126	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25299	19.229	ug/l	98
82) 4-Chlorotoluene	12.780	91	350104	20.241	ug/l	100
83) tert-Butylbenzene	12.999	119	352929	19.409	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	397002	20.077	ug/l	100
85) sec-Butylbenzene	13.176	105	520106	19.831	ug/l	100
86) p-Isopropyltoluene	13.292	119	441869	19.902	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	251903	20.080	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	244807	19.866	ug/l	99
89) n-Butylbenzene	13.615	91	375842	19.467	ug/l	100
90) Hexachloroethane	13.877	117	92928	19.477	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	218655	20.225	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12260	20.289	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	122756	19.851	ug/l	99
94) Hexachlorobutadiene	15.023	225	79039	19.507	ug/l	99
95) Naphthalene	15.145	128	174378	19.694	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	102582	19.855	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023663.D
Acq On : 04 Nov 2025 10:19
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 :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:27:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 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\VY110425\
 Data File : VY023663.D
 Acq On : 04 Nov 2025 10:19
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

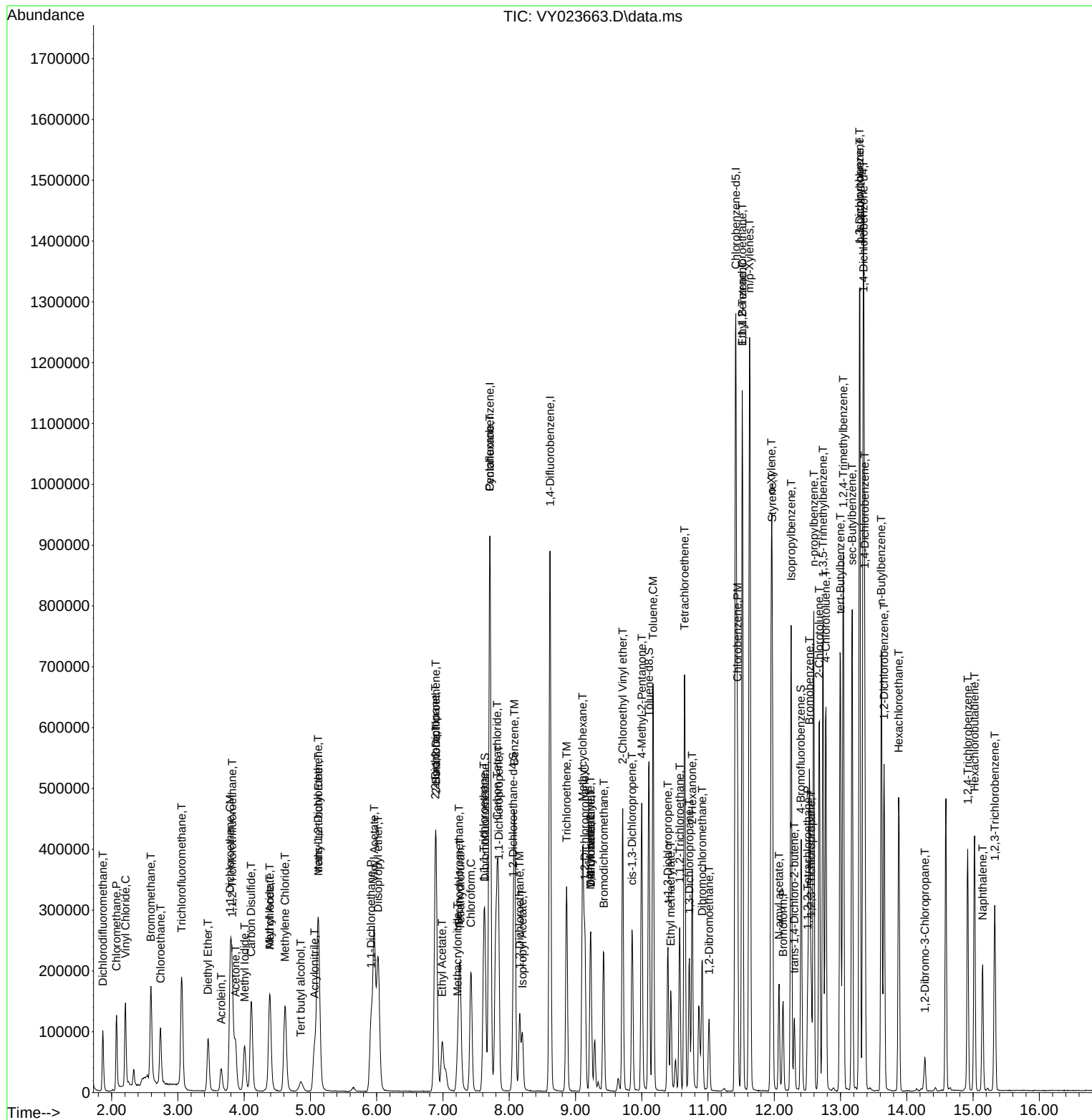
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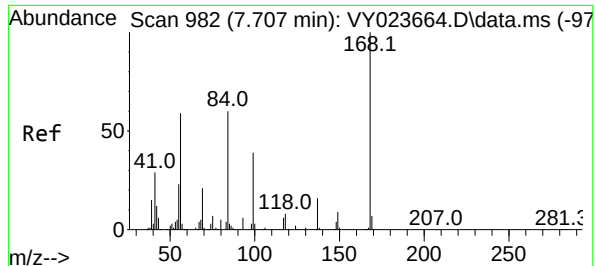
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Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:24:21 2025

Response via : Initial Calibration





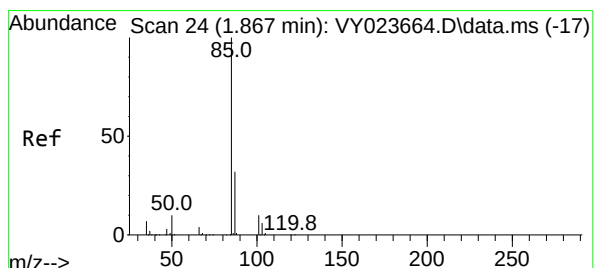
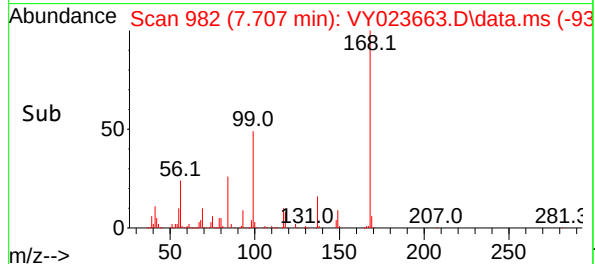
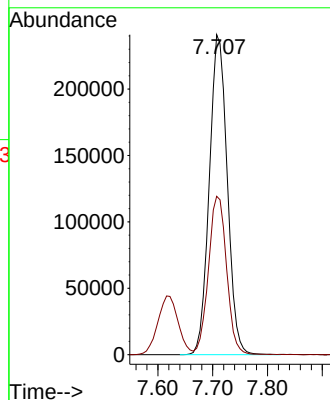
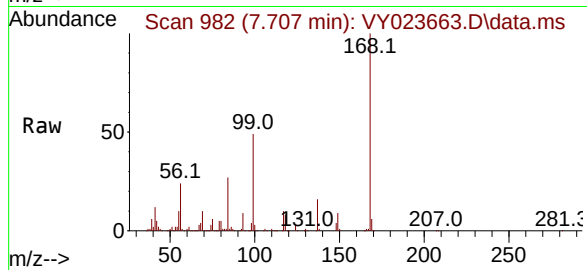
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 545914
Ion Ratio Lower Upper
168 100
99 49.4 41.0 61.4

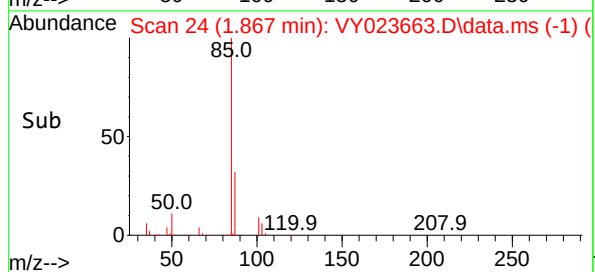
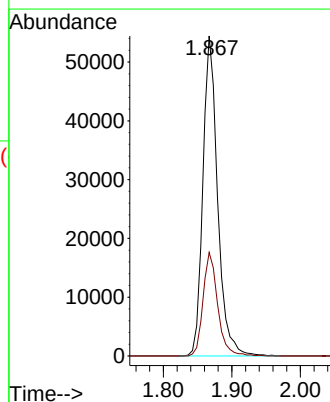
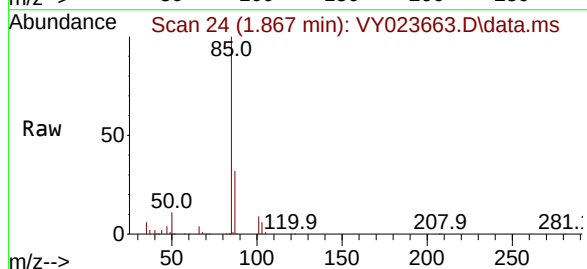
Manual Integrations
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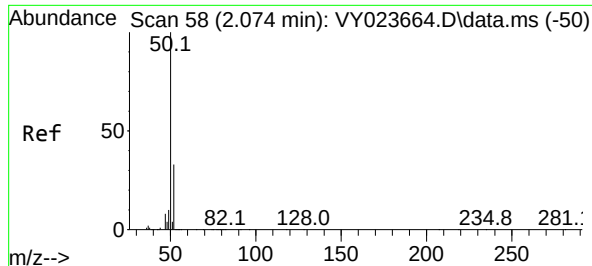
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 22.731 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 85 Resp: 81455
Ion Ratio Lower Upper
85 100
87 32.3 16.2 48.6





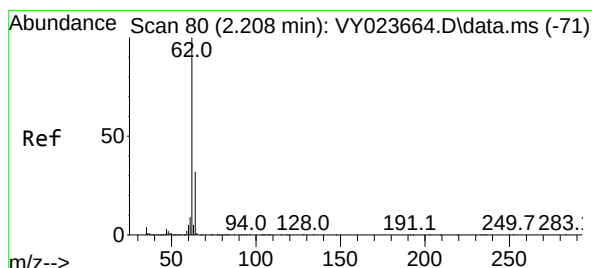
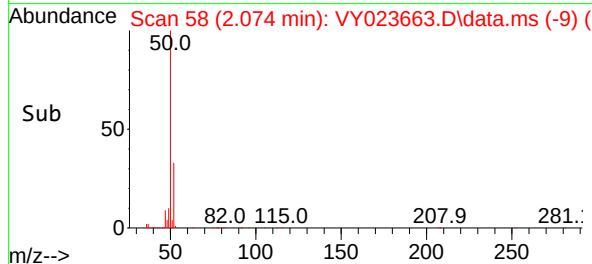
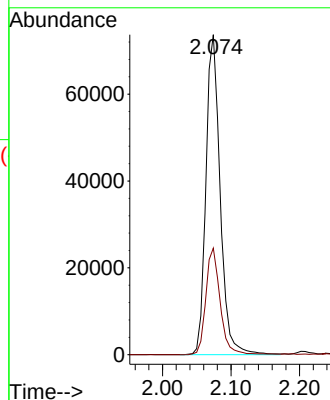
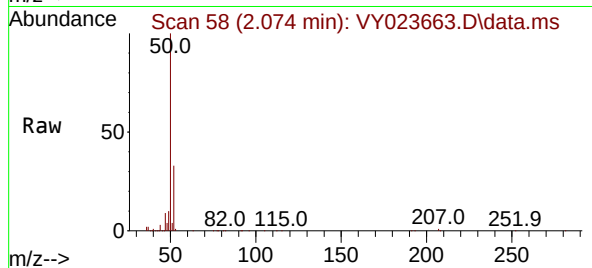
#3
Chloromethane
Concen: 21.293 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 106778
Ion Ratio Lower Upper
50 100
52 33.3 26.5 39.7

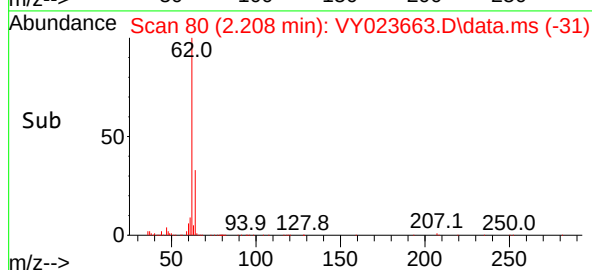
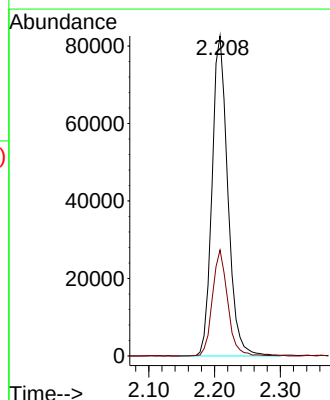
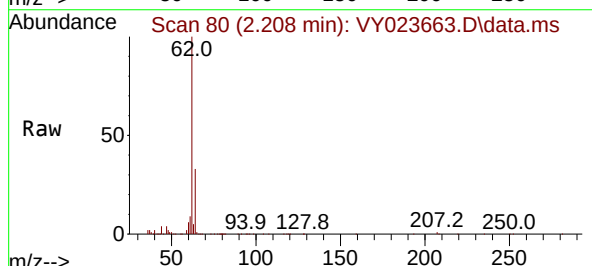
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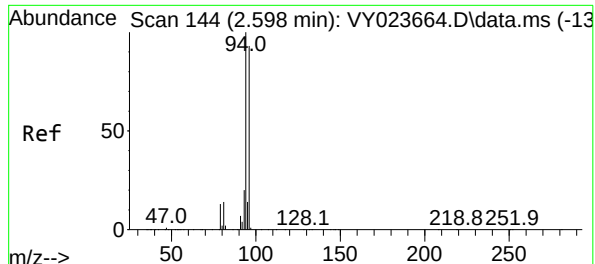
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#4
Vinyl Chloride
Concen: 21.168 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 62 Resp: 138125
Ion Ratio Lower Upper
62 100
64 33.1 25.7 38.5





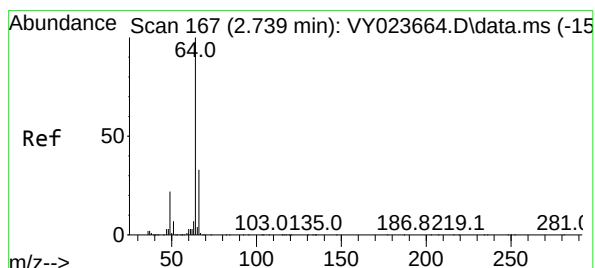
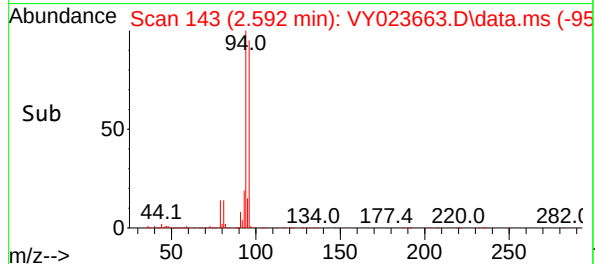
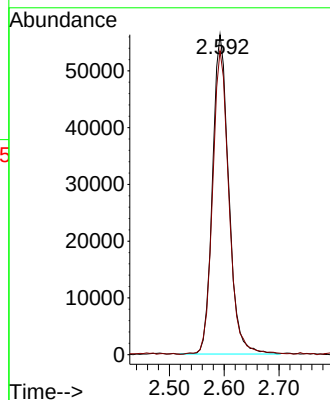
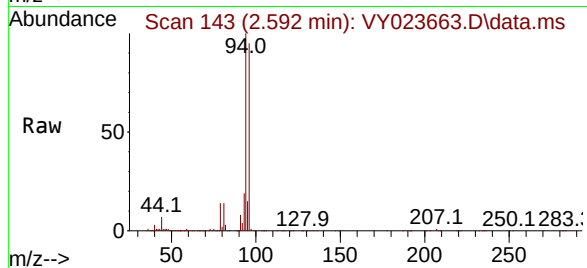
#5
Bromomethane
Concen: 21.078 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 115694
Ion Ratio Lower Upper
94 100
96 95.1 74.4 111.6

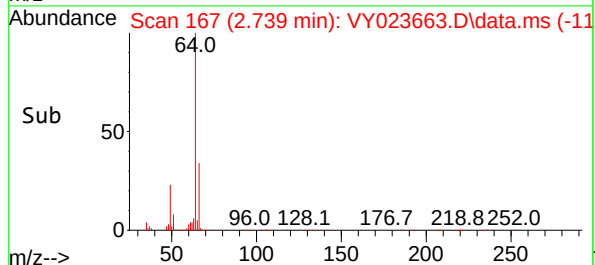
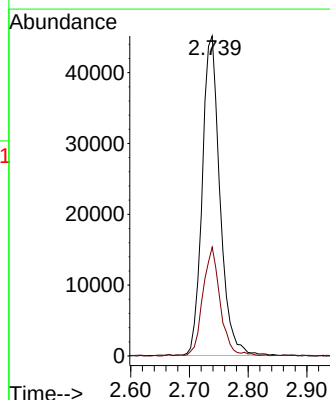
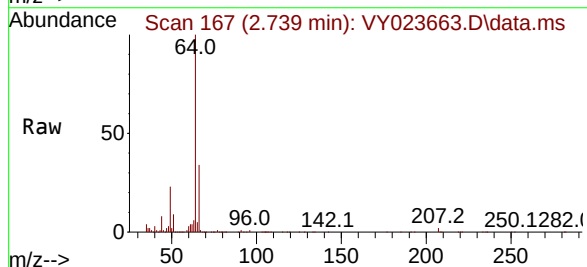
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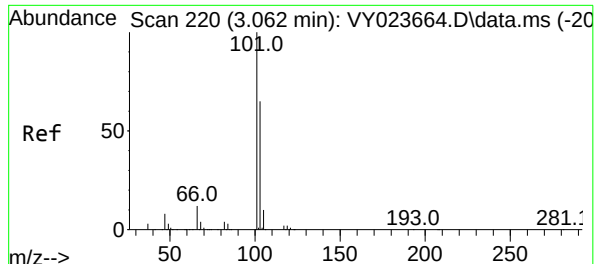
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 20.922 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 64 Resp: 94359
Ion Ratio Lower Upper
64 100
66 33.9 26.2 39.4





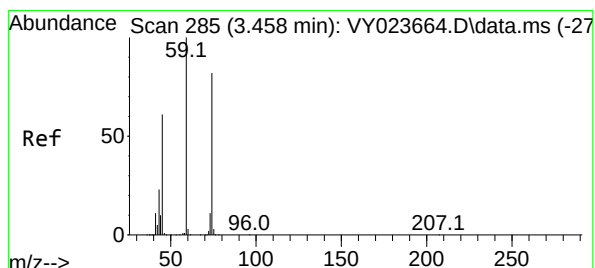
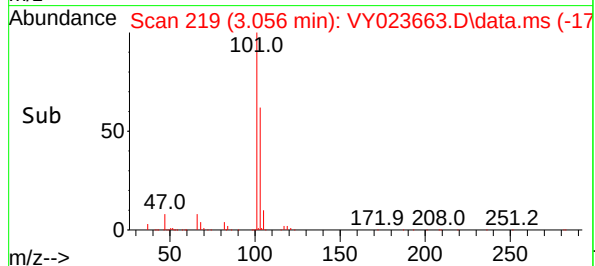
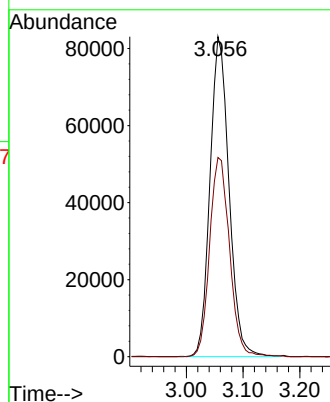
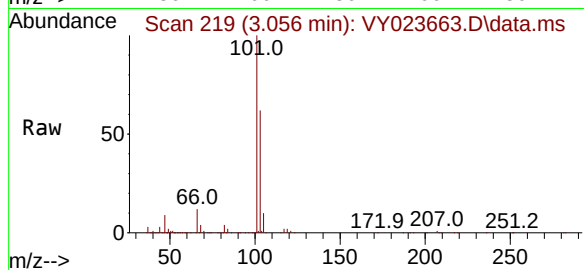
#7
Trichlorofluoromethane
Concen: 21.067 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 193612
Ion Ratio Lower Upper
101 100
103 62.1 52.1 78.1

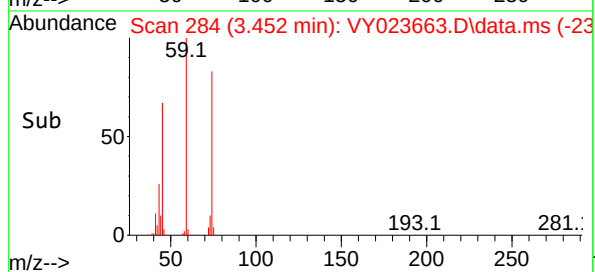
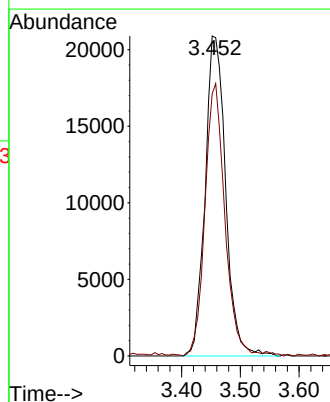
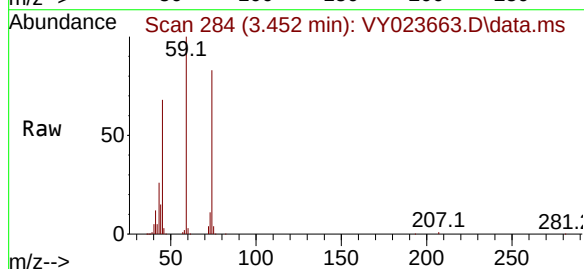
Manual Integrations
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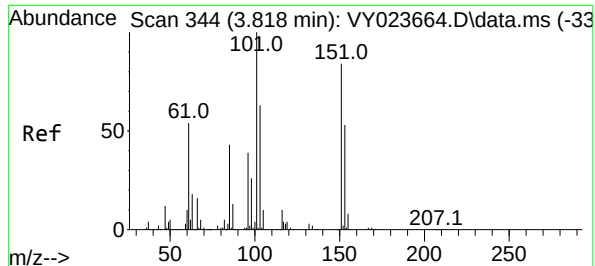
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 20.585 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 74 Resp: 50730
Ion Ratio Lower Upper
74 100
45 82.5 40.6 121.7





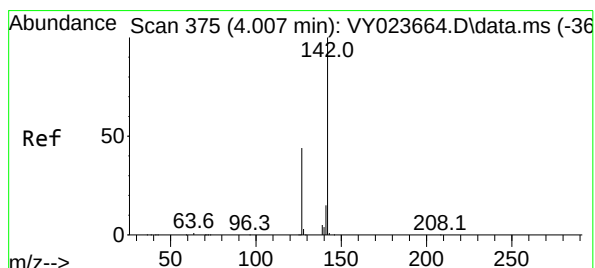
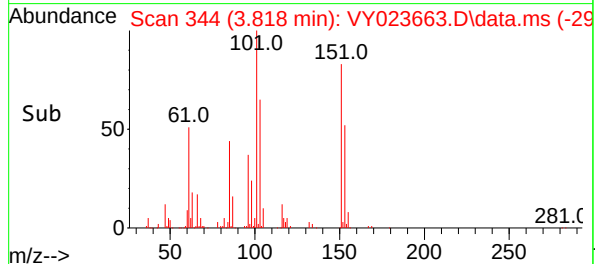
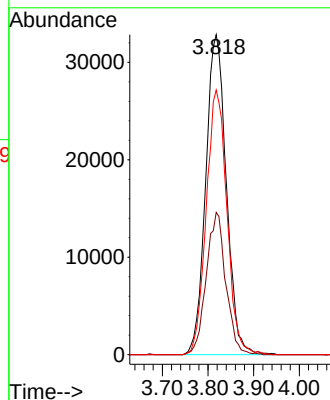
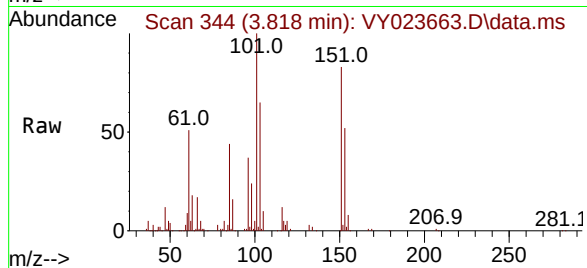
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.297 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 102772
Ion Ratio Lower Upper
101 100
85 42.3 34.4 51.6
151 83.1 65.6 98.4

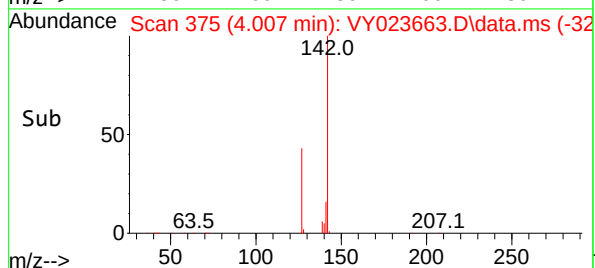
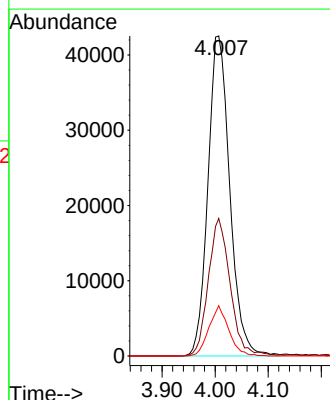
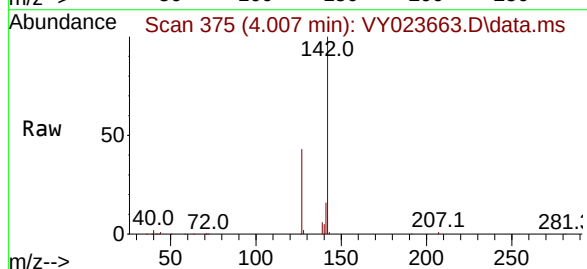
Manual Integrations
APPROVED

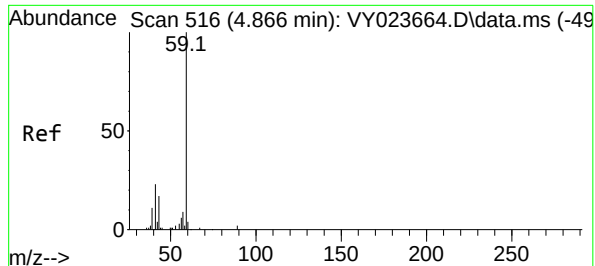
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#10
Methyl Iodide
Concen: 20.392 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion:142 Resp: 121925
Ion Ratio Lower Upper
142 100
127 42.9 34.6 51.8
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 98.306 ug/l

RT: 4.854 min Scan# 516

Delta R.T. -0.012 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 29518

Ion Ratio Lower Upper

59 100

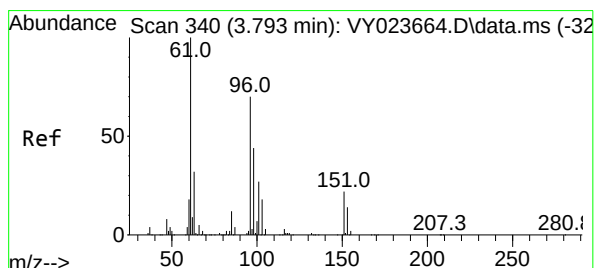
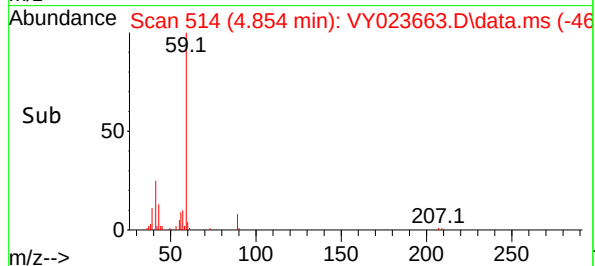
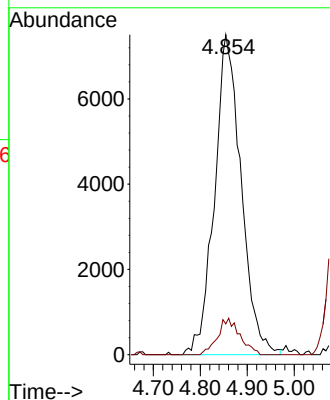
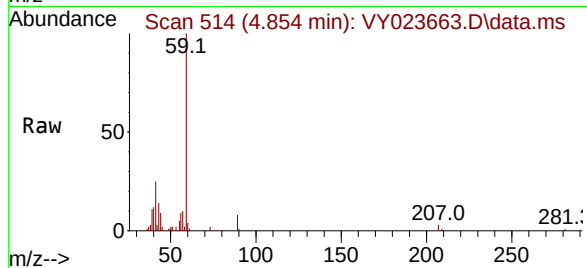
57 9.5 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 20.662 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

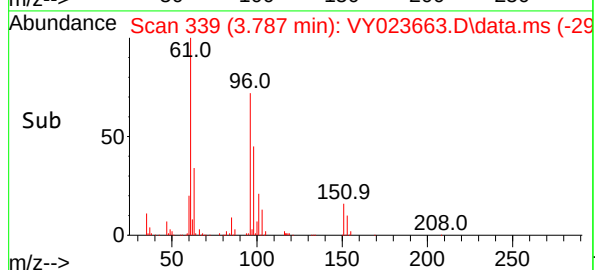
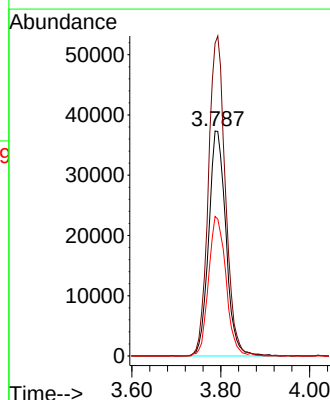
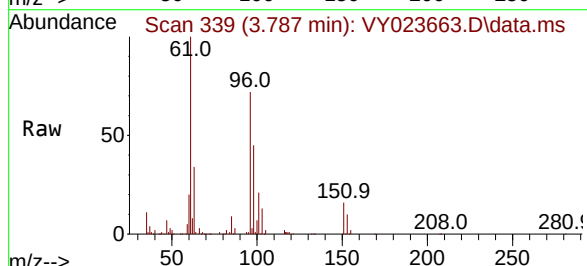
Tgt Ion: 96 Resp: 100782

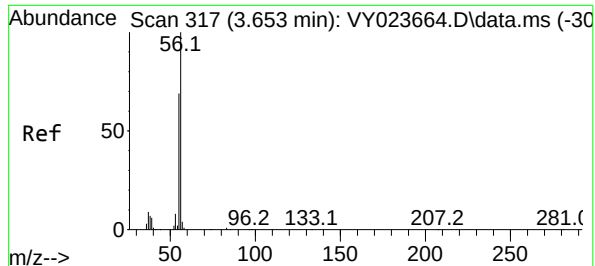
Ion Ratio Lower Upper

96 100

61 138.9 114.0 171.0

98 62.0 50.2 75.2





#13

Acrolein

Concen: 111.331 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 4296

Ion Ratio Lower Upper

56 100

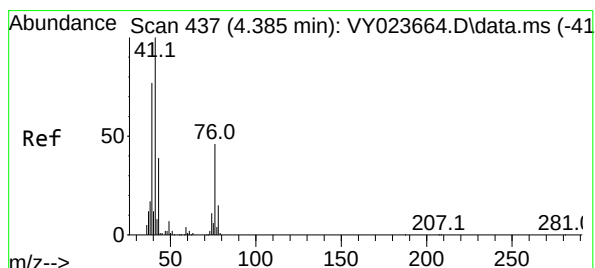
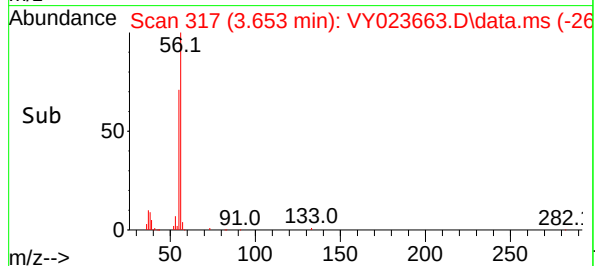
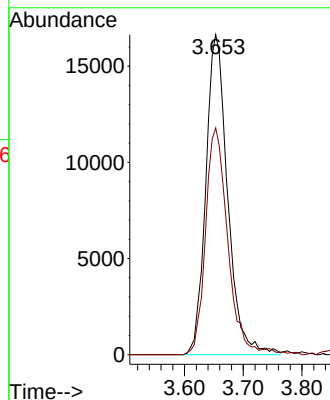
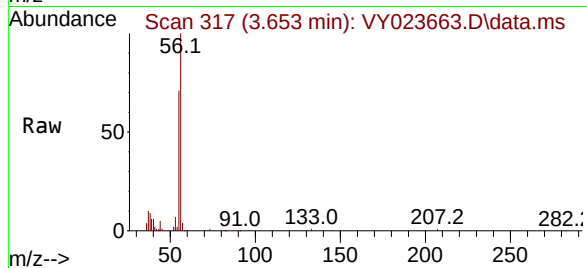
55 71.5 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 20.209 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

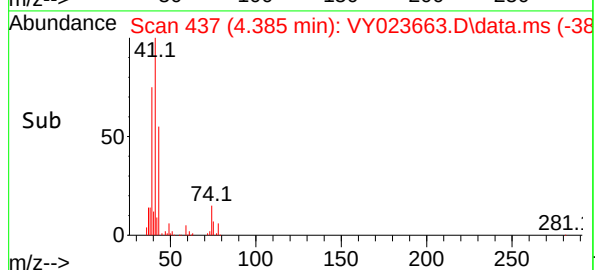
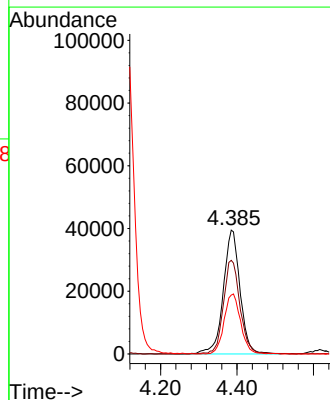
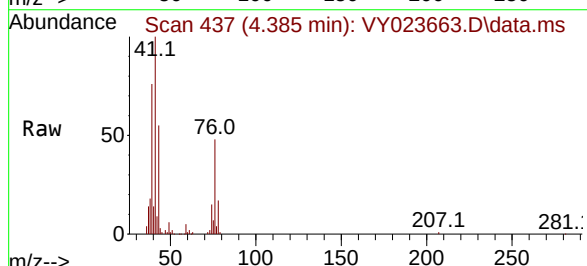
Tgt Ion: 41 Resp: 119977

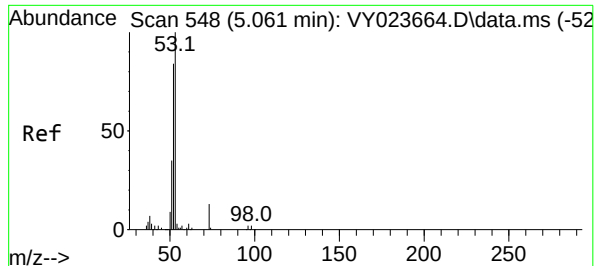
Ion Ratio Lower Upper

41 100

39 75.1 60.4 90.6

76 47.6 38.0 57.0





#15

Acrylonitrile

Concen: 103.998 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

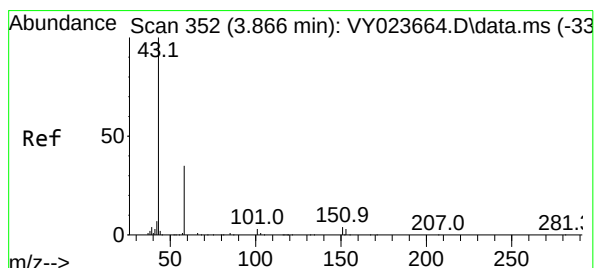
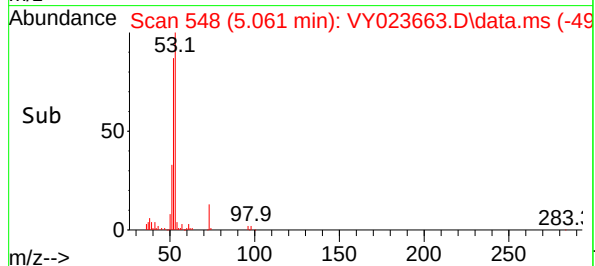
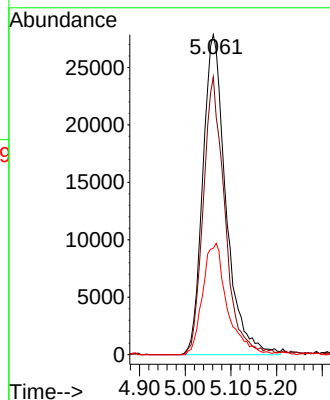
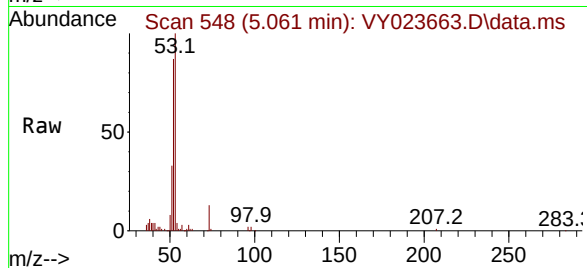
VSTDIC020

Tgt Ion:	53	Resp:	9794
Ion	Ratio	Lower	Upper
53	100		
52	81.0	64.9	97.3
51	36.9	29.4	44.0

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

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 108.051 ug/l

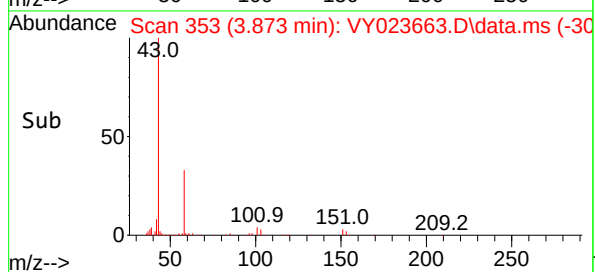
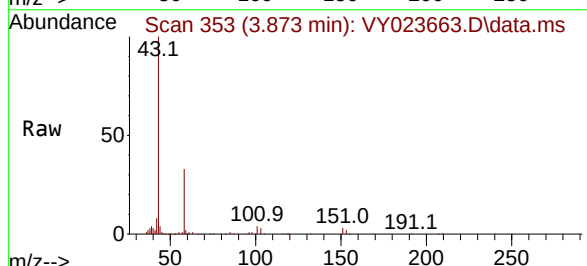
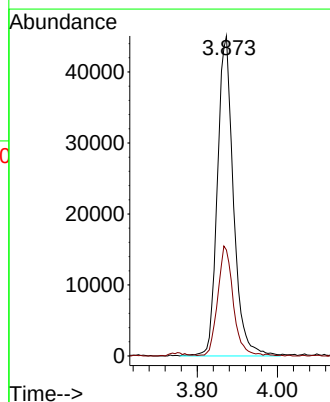
RT: 3.873 min Scan# 353

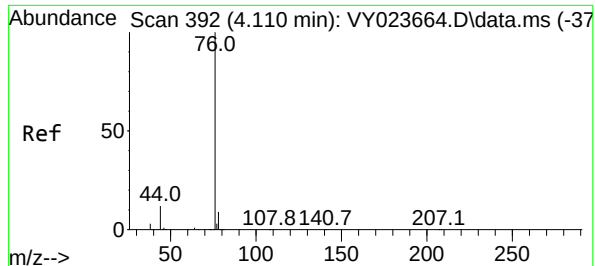
Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion:	43	Resp:	125071
Ion	Ratio	Lower	Upper
43	100		
58	32.9	28.2	42.4





#17

Carbon Disulfide

Concen: 20.768 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion: 76 Resp: 31090

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

Instrument :

MSVOA_Y

ClientSampleId :

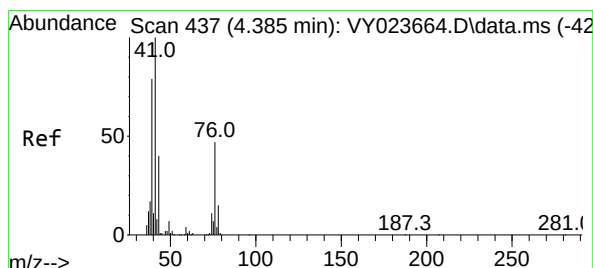
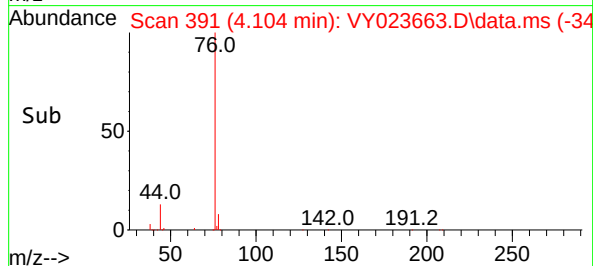
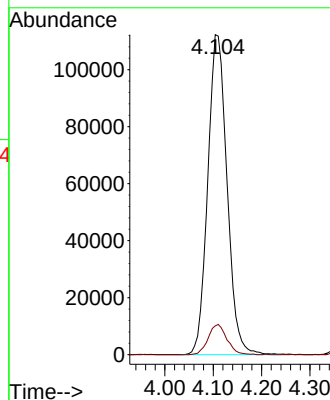
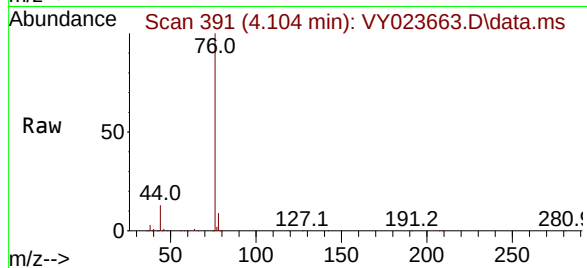
VSTDIC020

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#18

Methyl Acetate

Concen: 24.993 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023663.D

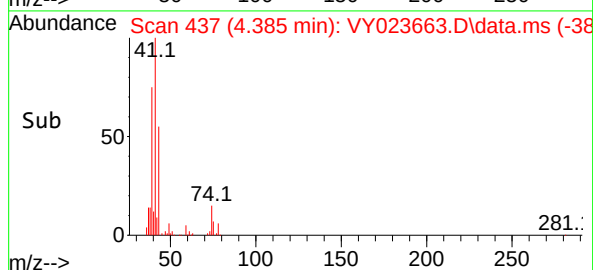
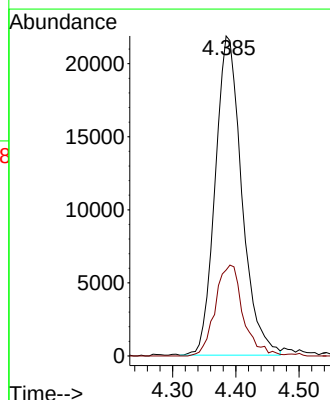
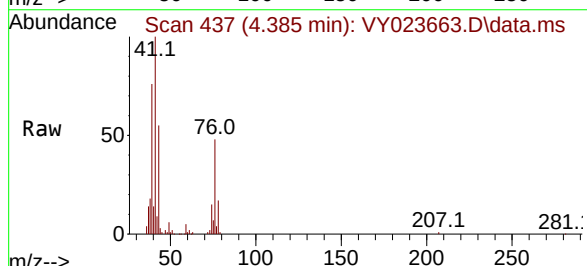
Acq: 04 Nov 2025 10:19

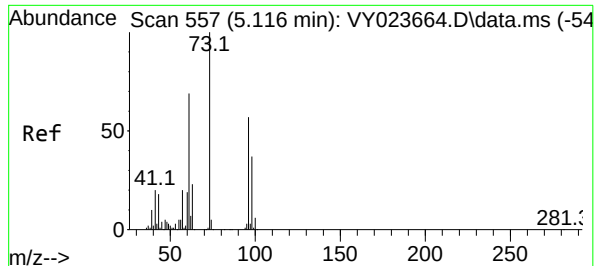
Tgt Ion: 43 Resp: 63810

Ion Ratio Lower Upper

43 100

74 29.8 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 20.450 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 23129

Ion Ratio Lower Upper

73 100

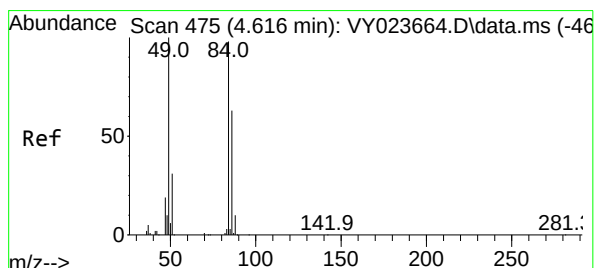
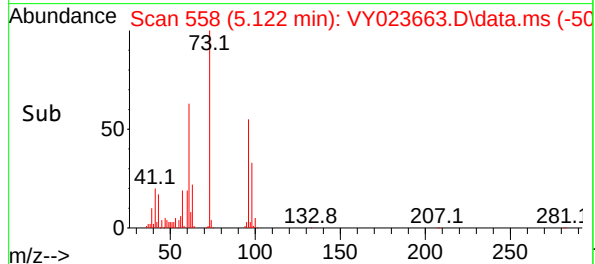
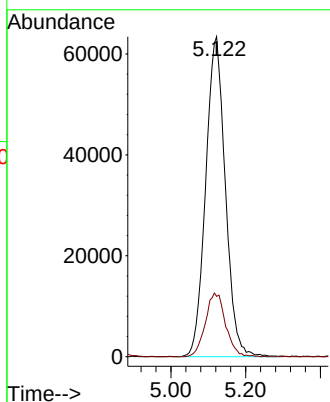
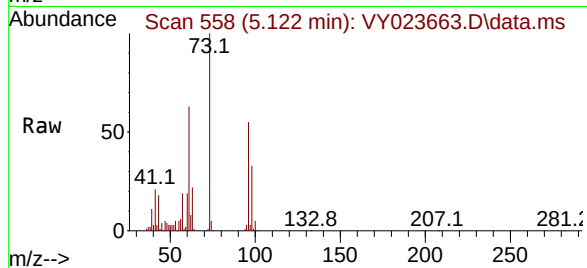
57 18.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 20.107 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion: 84 Resp: 112357

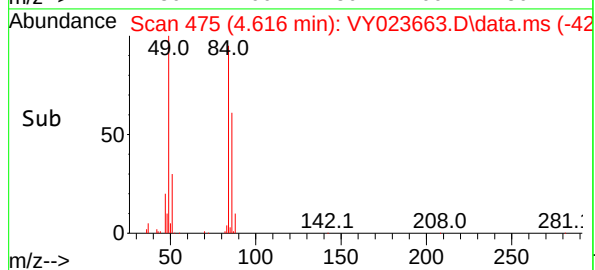
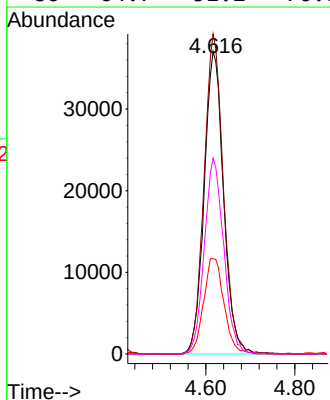
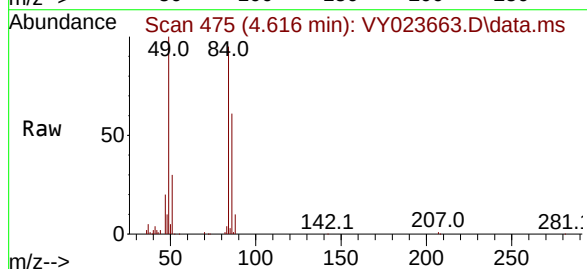
Ion Ratio Lower Upper

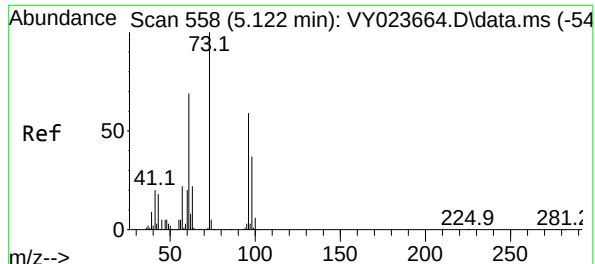
84 100

49 105.8 81.5 122.3

51 31.4 25.5 38.3

86 64.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.620 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 11340

Ion Ratio Lower Upper

96 100

61 119.1 93.3 139.9

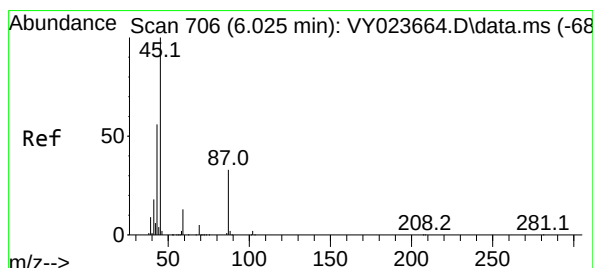
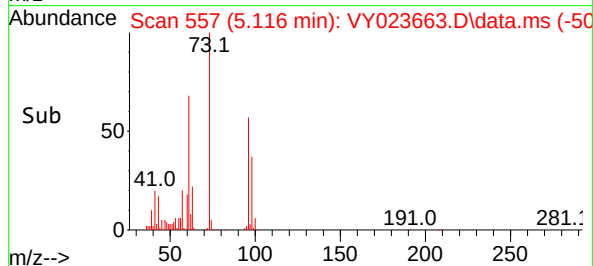
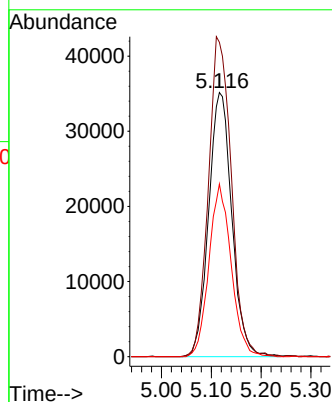
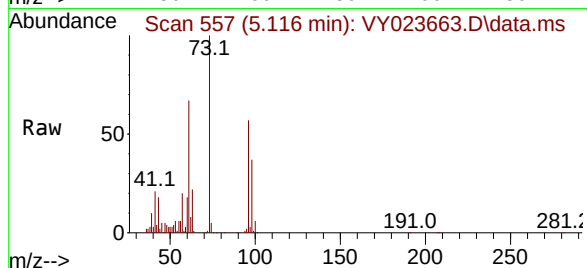
98 65.4 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#22

Diisopropyl ether

Concen: 20.856 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion: 45 Resp: 275900

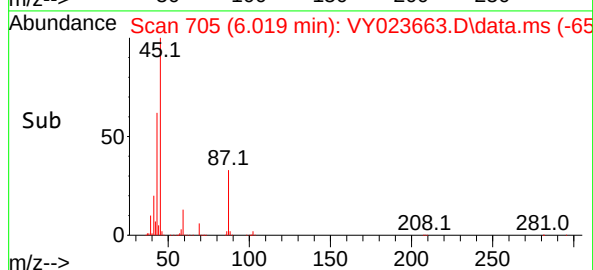
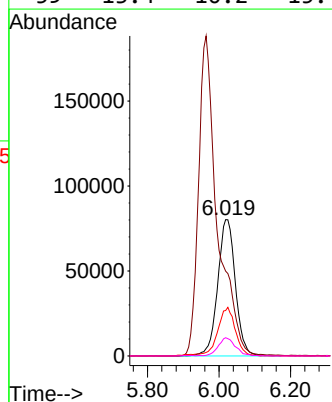
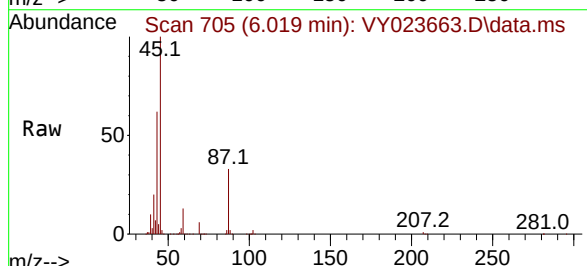
Ion Ratio Lower Upper

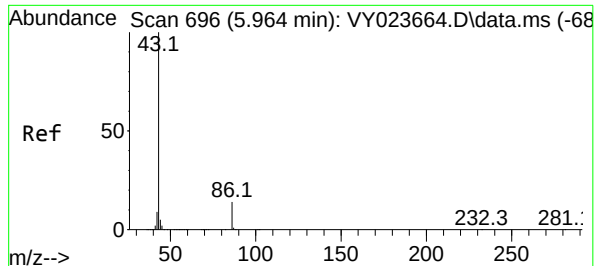
45 100

43 62.1 44.7 67.1

87 33.3 27.2 40.8

59 13.4 10.2 15.4





#23

Vinyl Acetate

Concen: 97.564 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 688740

Ion Ratio Lower Upper

43 100

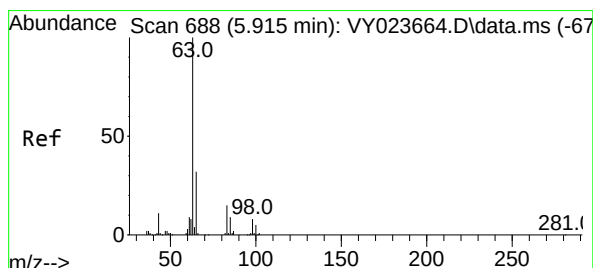
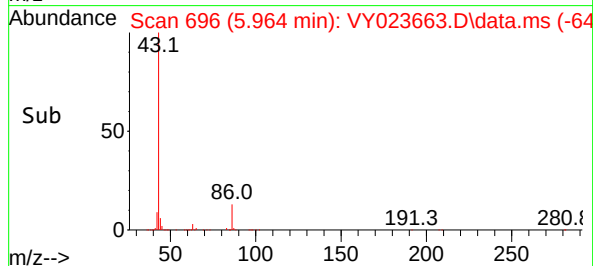
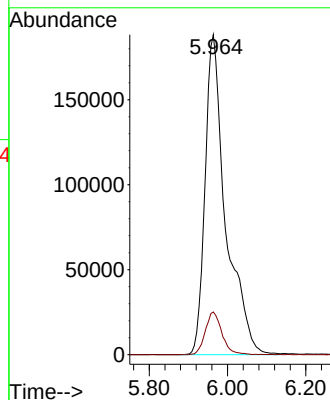
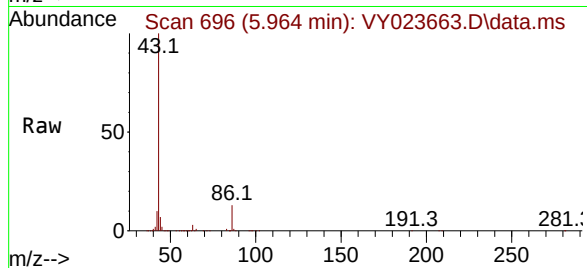
86 13.4 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 20.365 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

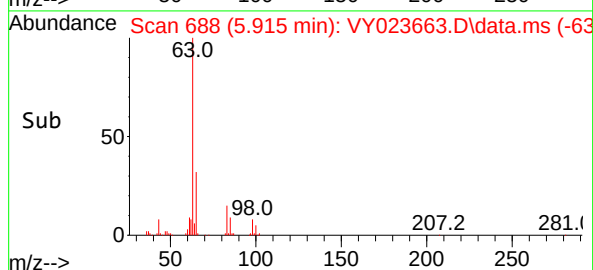
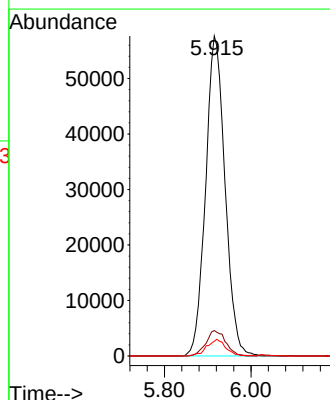
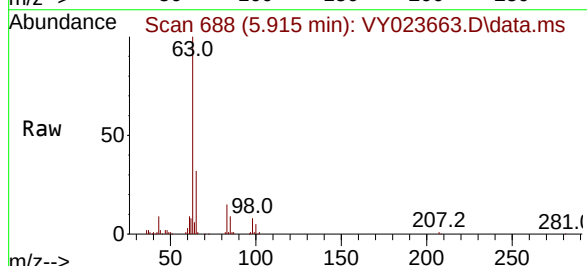
Tgt Ion: 63 Resp: 179473

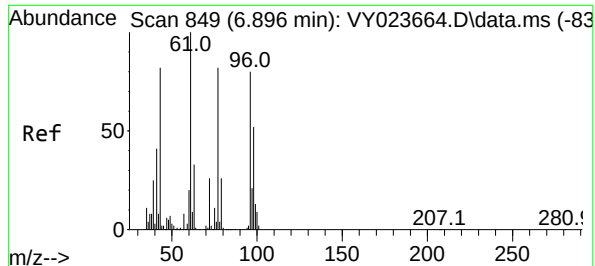
Ion Ratio Lower Upper

63 100

98 8.0 4.0 11.9

100 4.6 2.6 7.8





#25

2-Butanone

Concen: 105.975 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 14182

Ion Ratio Lower Upper

43 100

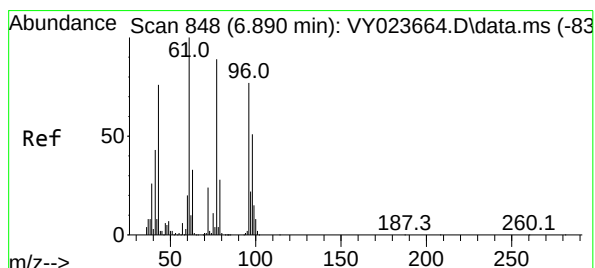
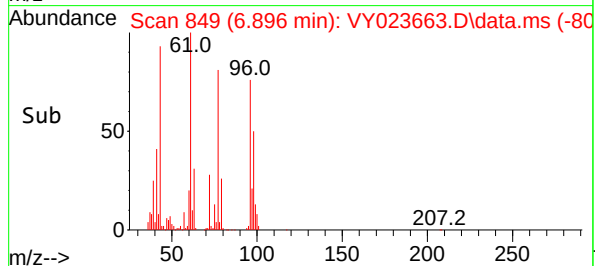
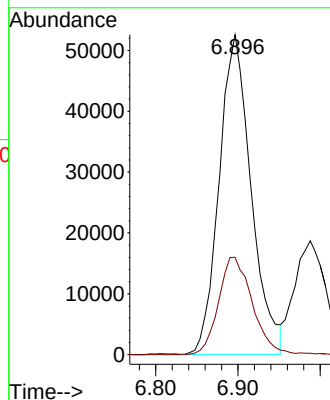
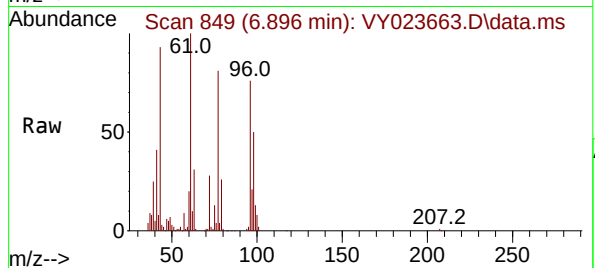
72 30.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 19.986 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023663.D

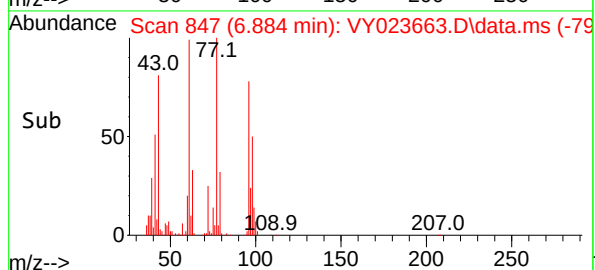
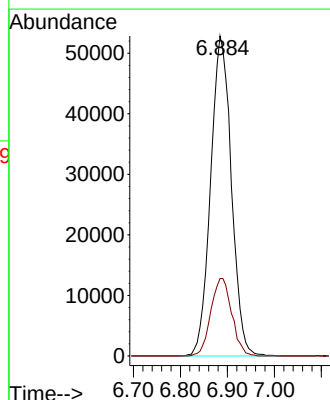
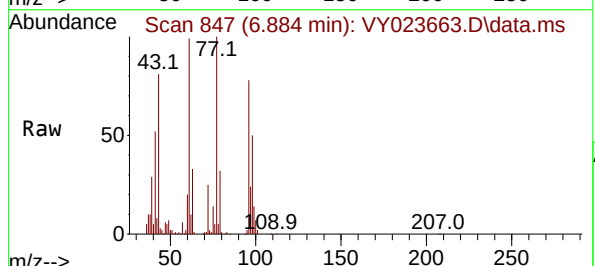
Acq: 04 Nov 2025 10:19

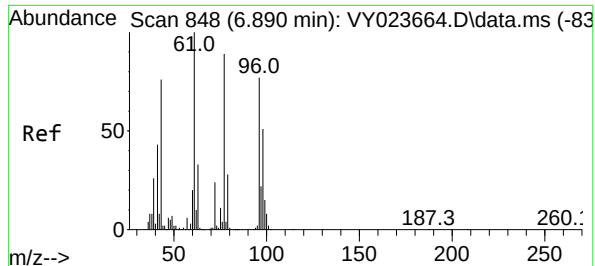
Tgt Ion: 77 Resp: 162022

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 19.971 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 12543

Ion Ratio Lower Upper

96 100

61 129.3 0.0 255.0

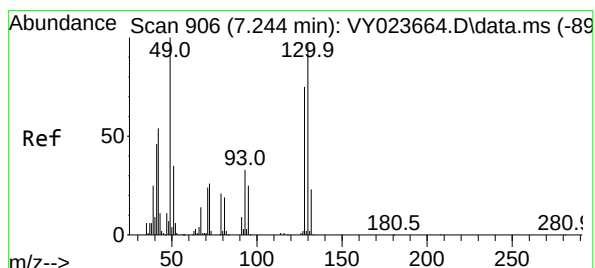
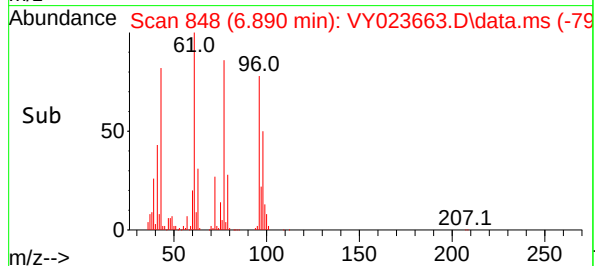
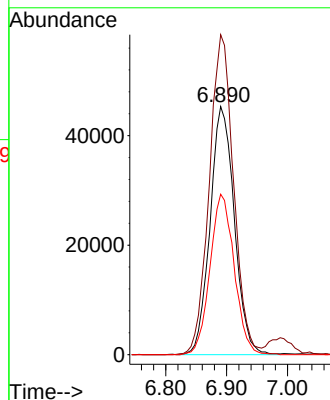
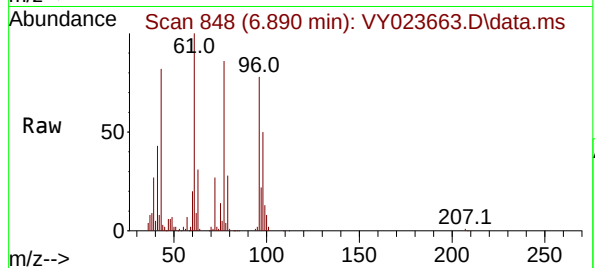
98 64.6 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 21.291 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

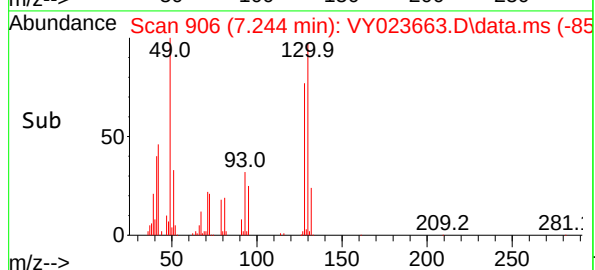
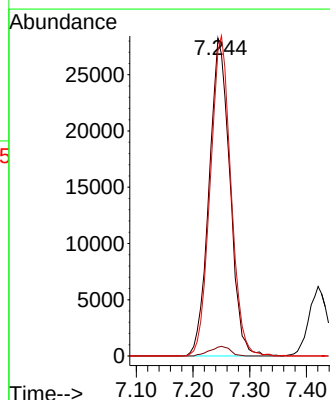
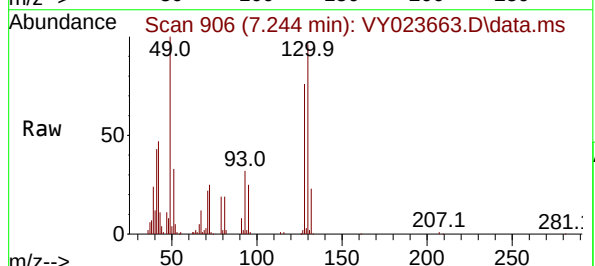
Tgt Ion: 49 Resp: 71844

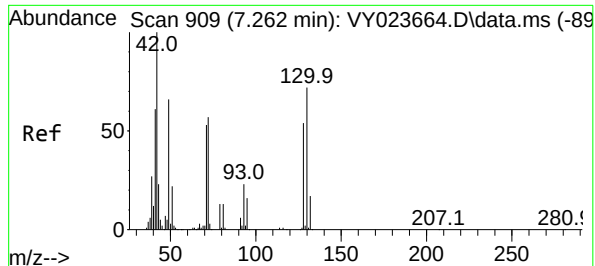
Ion Ratio Lower Upper

49 100

129 2.9 0.0 5.0

130 99.9 80.1 120.1





#29

Tetrahydrofuran

Concen: 104.407 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

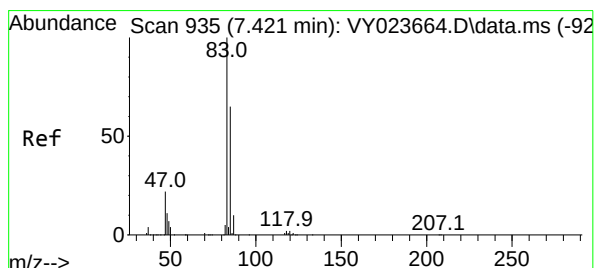
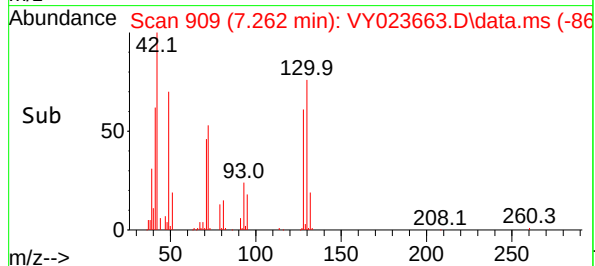
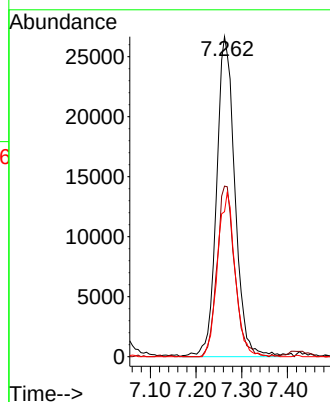
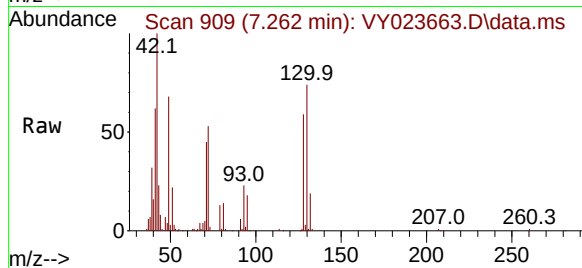
Tgt Ion:	42	Resp:	7441
Ion	Ratio	Lower	Upper
42	100		
72	51.4	43.4	65.2
71	49.3	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 20.402 ug/l

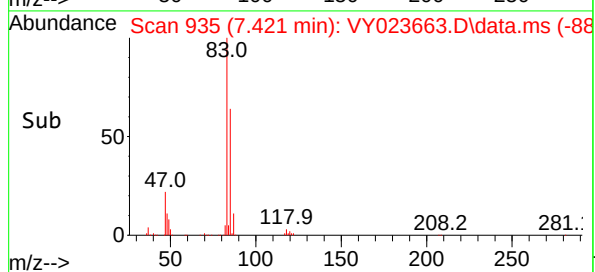
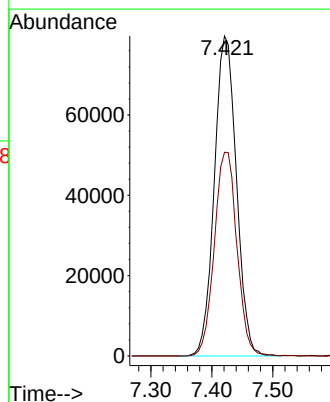
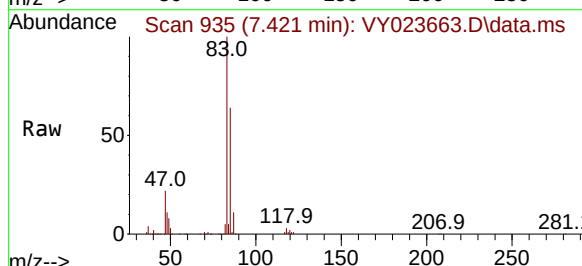
RT: 7.421 min Scan# 935

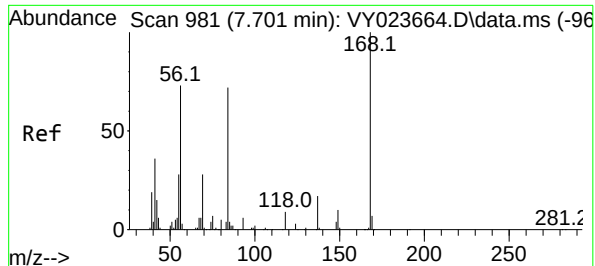
Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion:	83	Resp:	200613
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.1	78.1





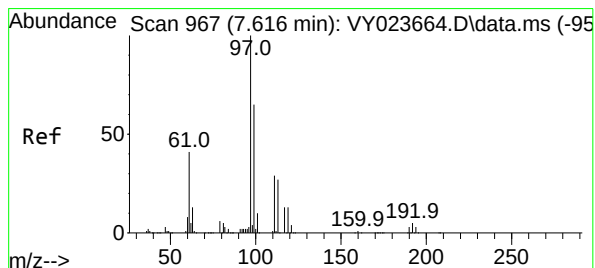
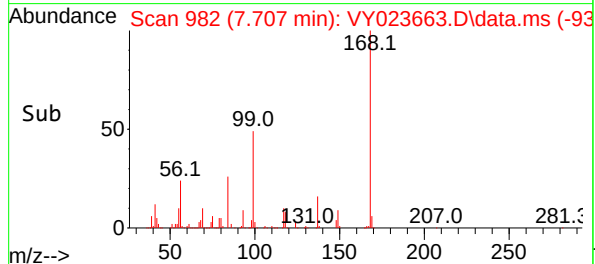
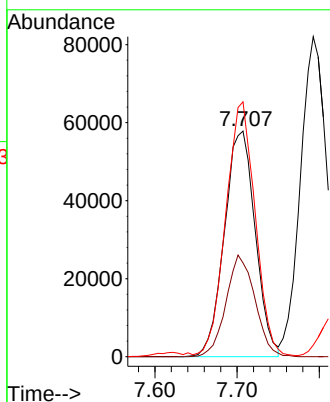
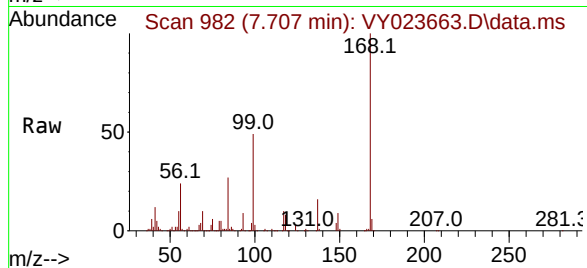
#31
Cyclohexane
Concen: 19.699 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 151188
Ion Ratio Lower Upper
56 100
69 41.5 30.5 45.7
84 111.4 79.0 118.4

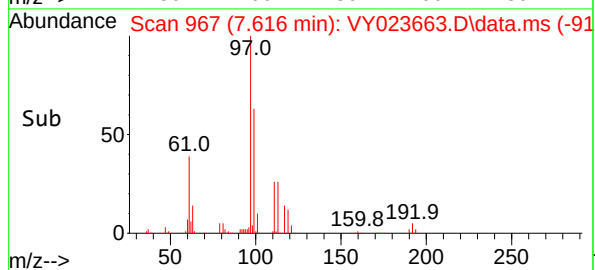
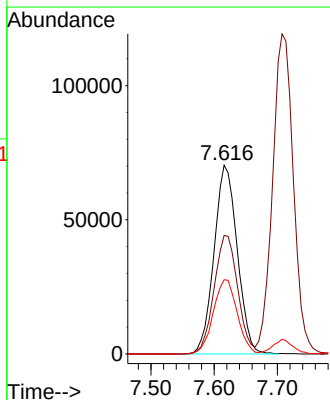
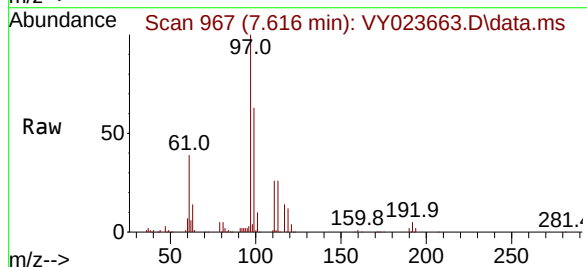
Manual Integrations
APPROVED

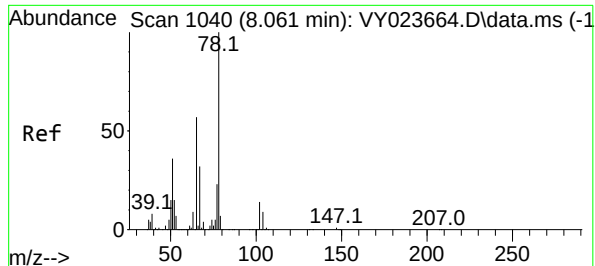
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#32
1,1,1-Trichloroethane
Concen: 20.382 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 97 Resp: 179118
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 40.5 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 19.995 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 9311

Ion Ratio Lower Upper

65 100

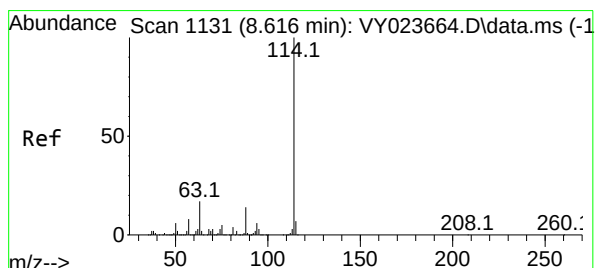
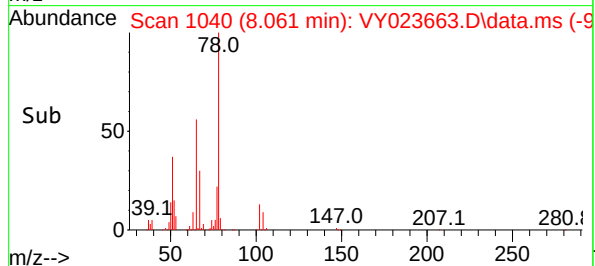
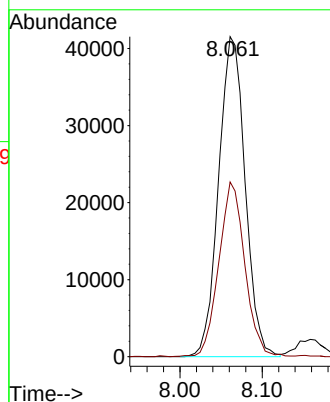
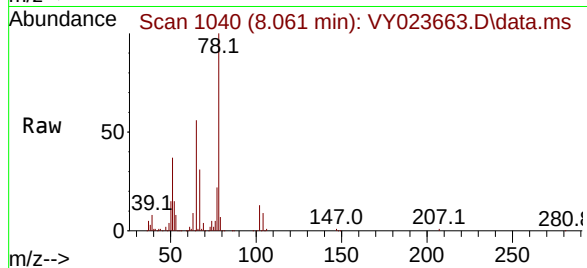
67 53.6 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

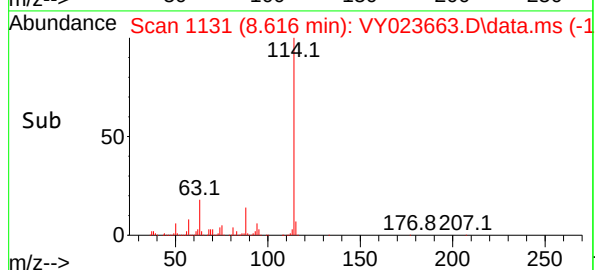
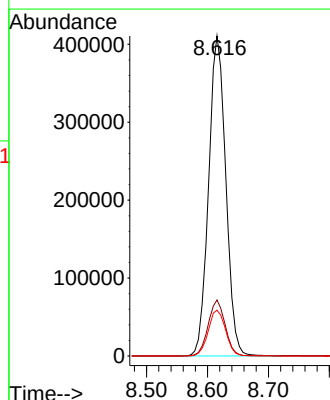
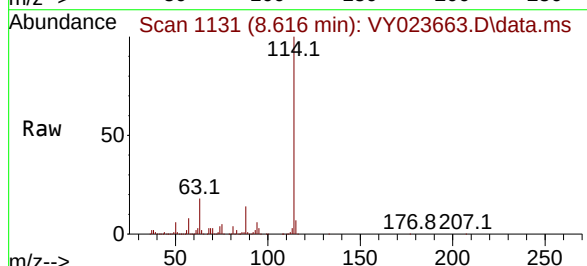
Tgt Ion:114 Resp: 804973

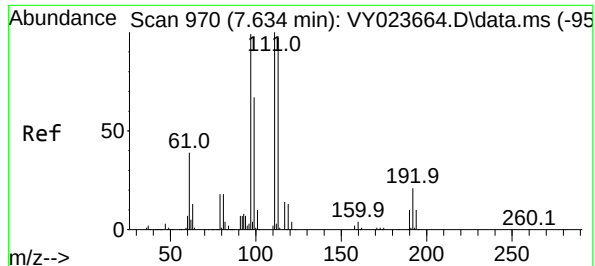
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 19.972 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 100472

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

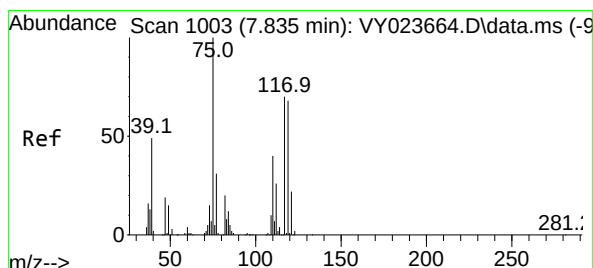
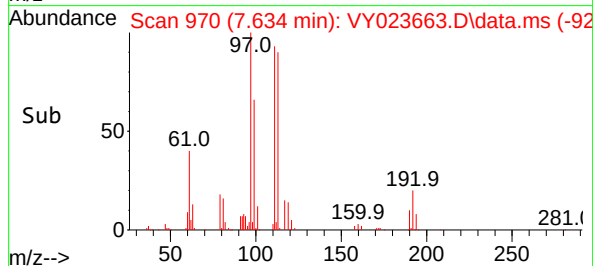
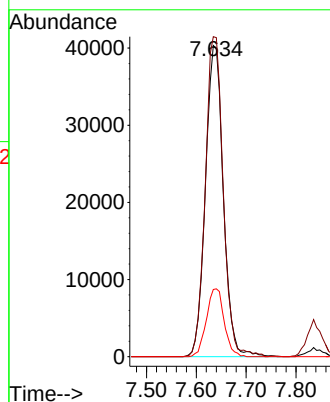
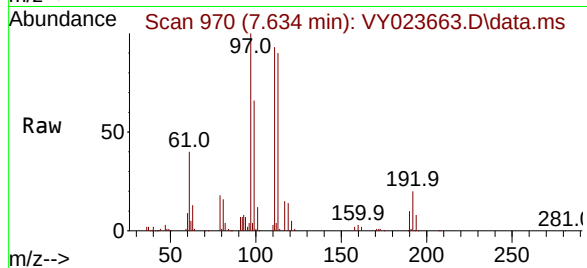
192 21.7 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 20.447 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

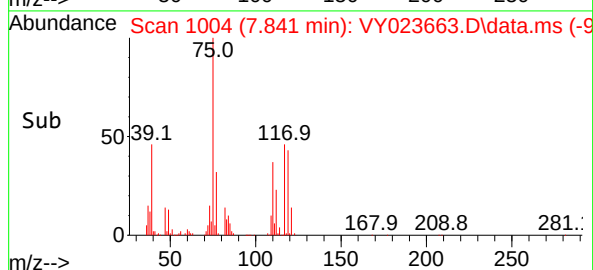
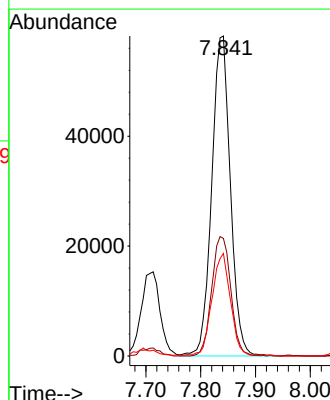
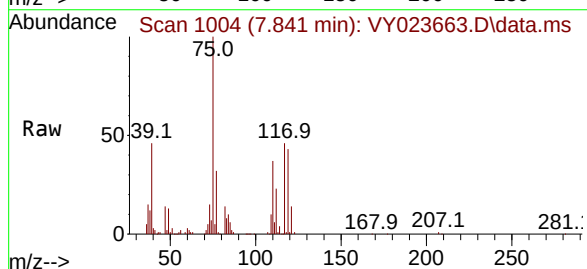
Tgt Ion: 75 Resp: 137450

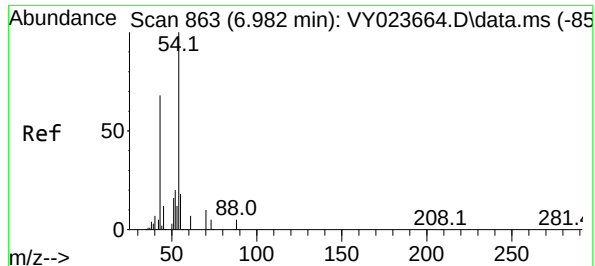
Ion Ratio Lower Upper

75 100

110 38.2 19.7 59.0

77 31.5 25.2 37.8





#37

Ethyl Acetate

Concen: 19.916 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

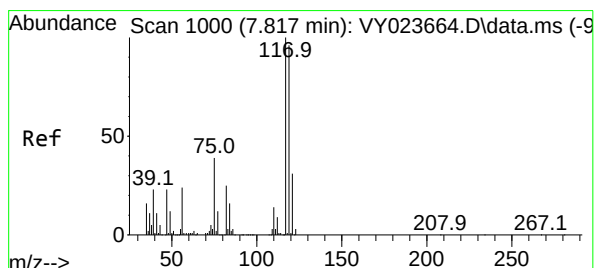
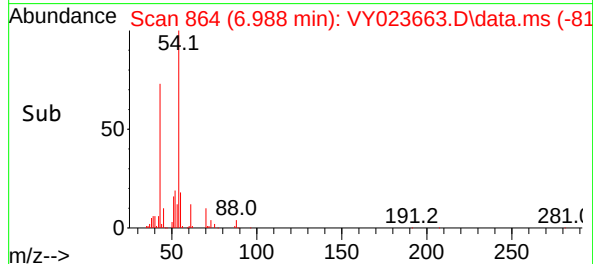
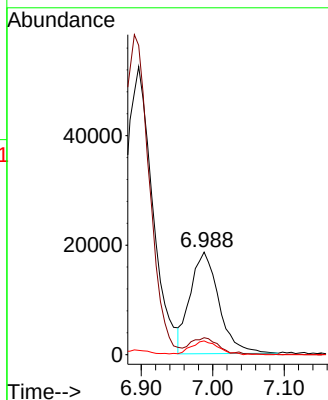
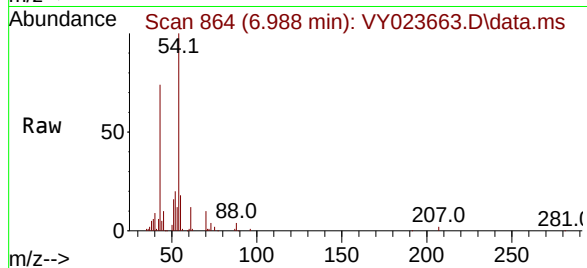
VSTDICC020

Tgt Ion:	43	Resp:	5182
Ion	Ratio	Lower	Upper
43	100		
61	16.9	12.4	18.6
70	12.5	9.8	14.8

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 20.353 ug/l

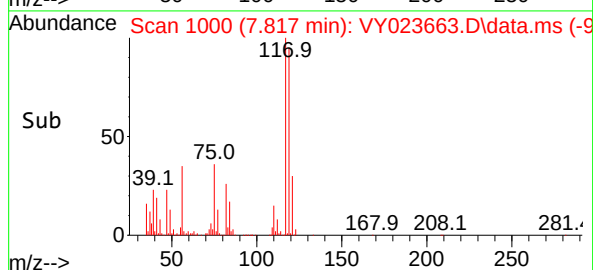
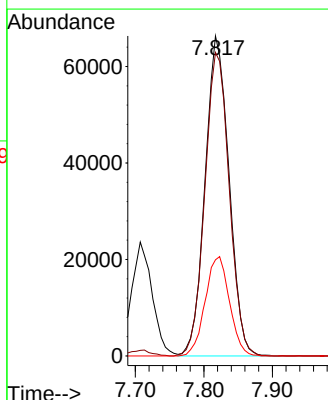
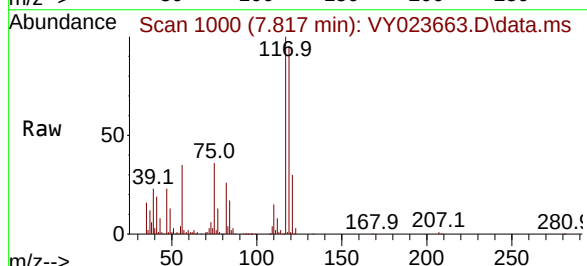
RT: 7.817 min Scan# 1000

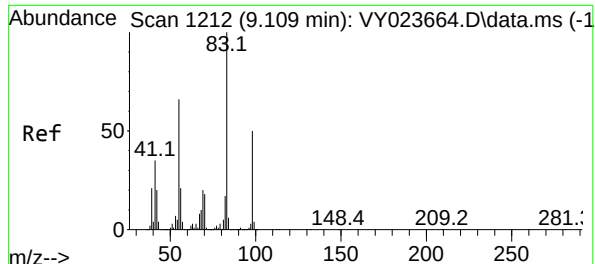
Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion:	117	Resp:	161201
Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.3	114.5
121	30.1	24.8	37.2





#39

Methylcyclohexane

Concen: 20.098 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 17262

Ion Ratio Lower Upper

83 100

55 68.0 52.6 78.8

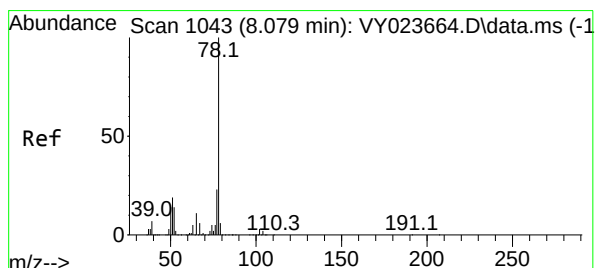
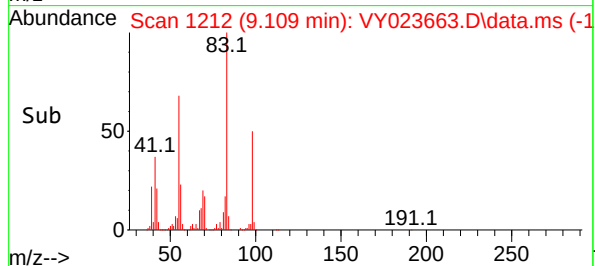
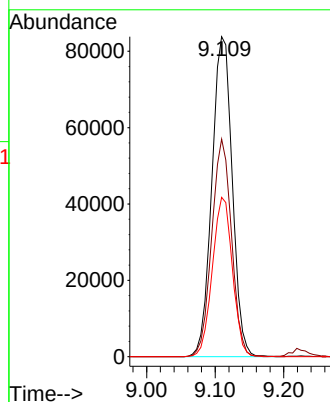
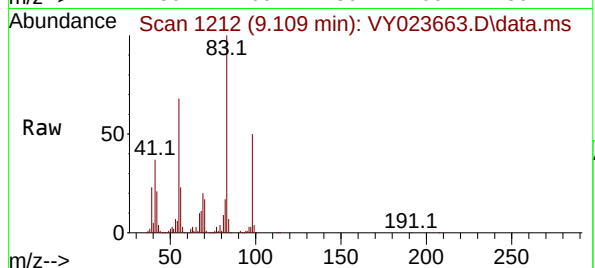
98 49.8 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 20.586 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023663.D

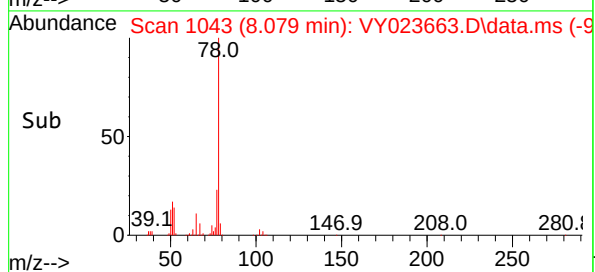
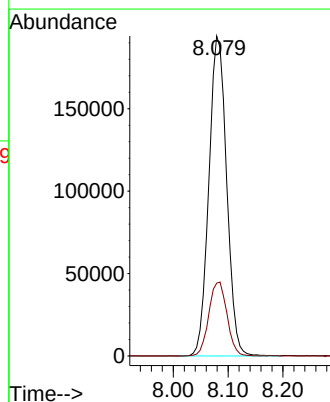
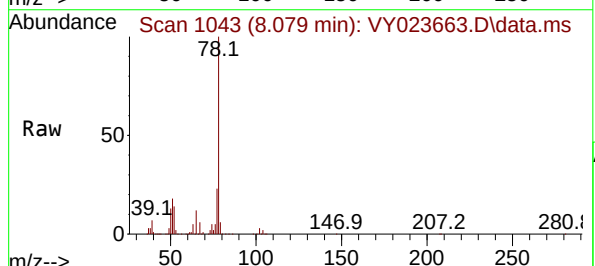
Acq: 04 Nov 2025 10:19

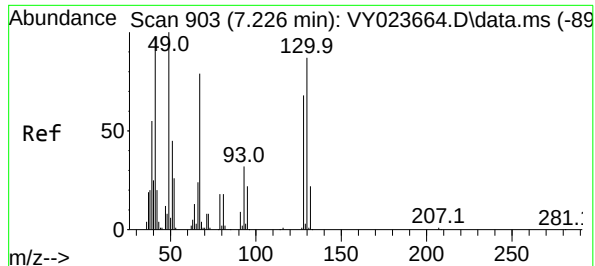
Tgt Ion: 78 Resp: 436191

Ion Ratio Lower Upper

78 100

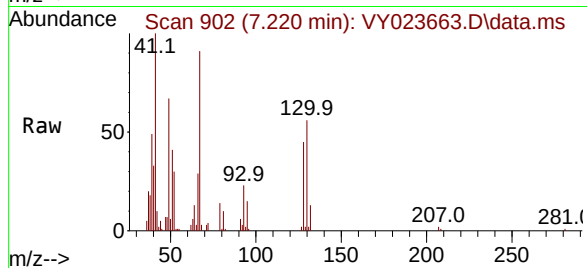
77 22.7 18.8 28.2





#41
Methacrylonitrile
Concen: 19.999 ug/l m
RT: 7.220 min Scan# 903
Delta R.T. -0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

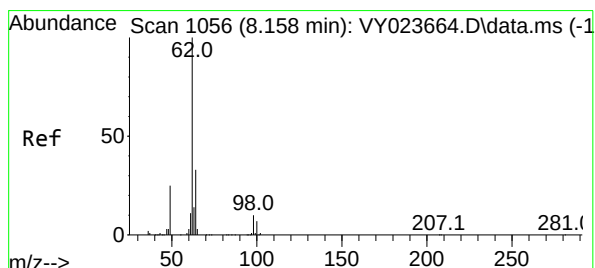
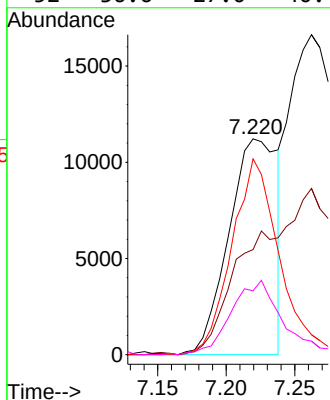
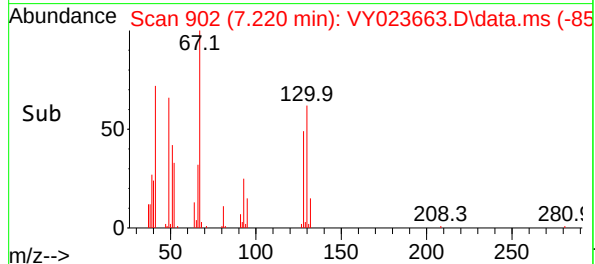
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



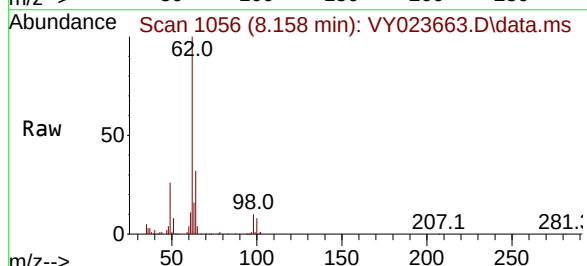
Tgt Ion: 41 Resp: 27760
Ion Ratio Lower Upper
41 100
39 0.0 38.6 57.8
67 89.2 71.3 106.9
52 36.6 27.0 40.4

Manual Integrations
APPROVED

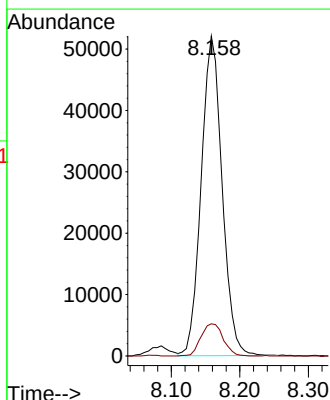
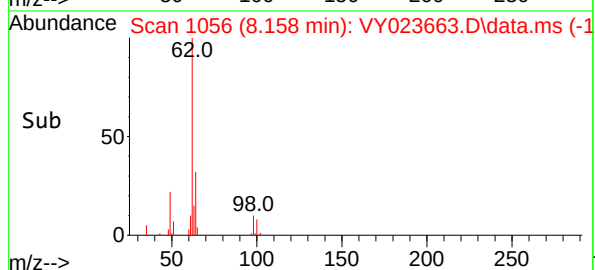
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

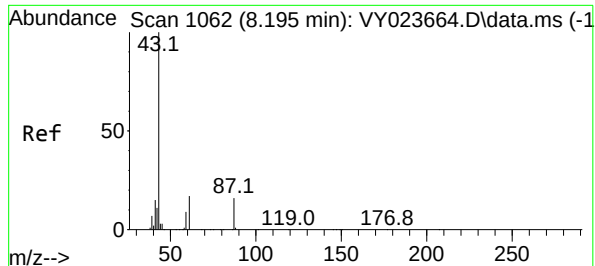


#42
1,2-Dichloroethane
Concen: 20.669 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19



Tgt Ion: 62 Resp: 110796
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.0





#43

Isopropyl Acetate

Concen: 20.148 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

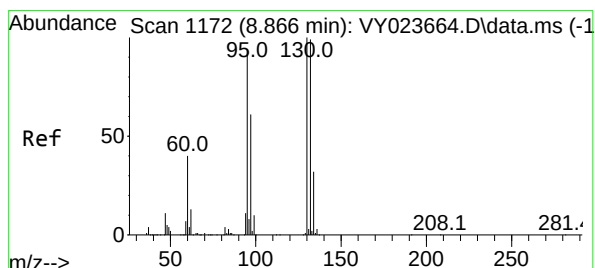
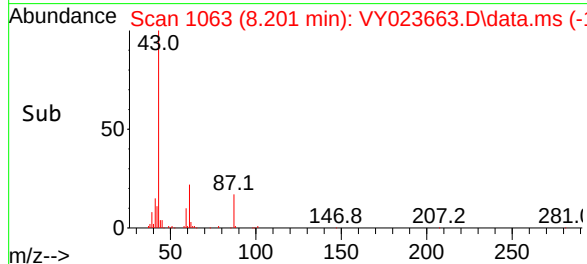
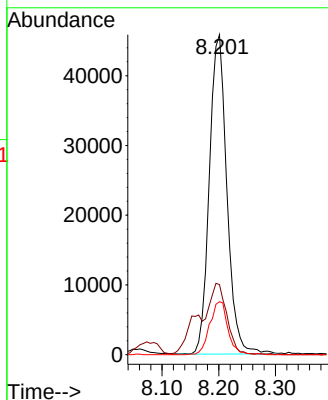
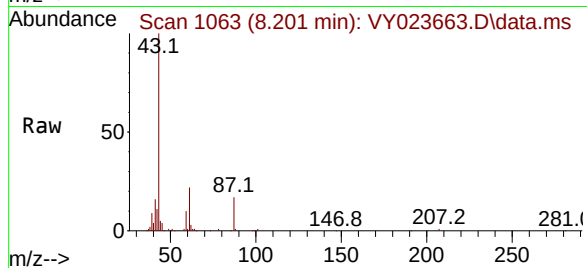
Tgt Ion: 43	Resp: 9851
Ion Ratio	Lower Upper
43	100
61	23.0 18.2 27.2
87	17.1 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 20.468 ug/l

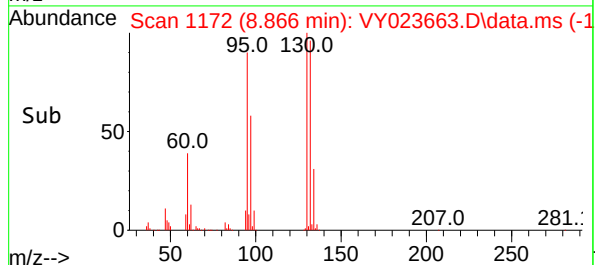
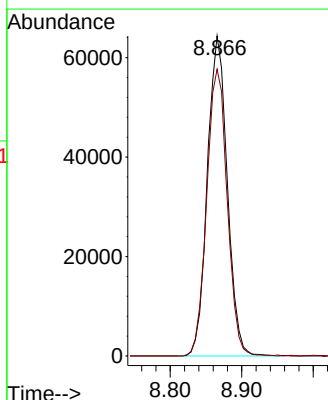
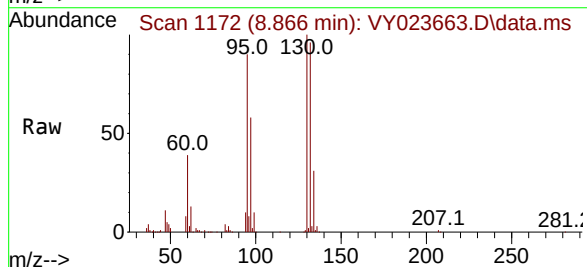
RT: 8.866 min Scan# 1172

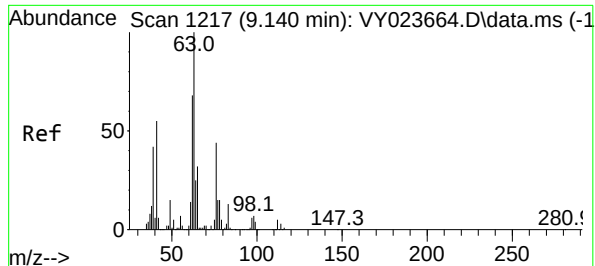
Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion:130	Resp: 124567
Ion Ratio	Lower Upper
130	100
95	89.6 0.0 187.0





#45

1,2-Dichloropropane

Concen: 20.632 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 9648

Ion Ratio Lower Upper

63 100

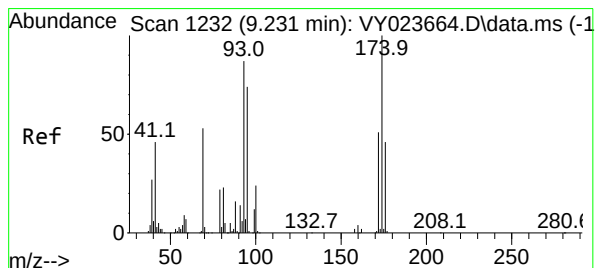
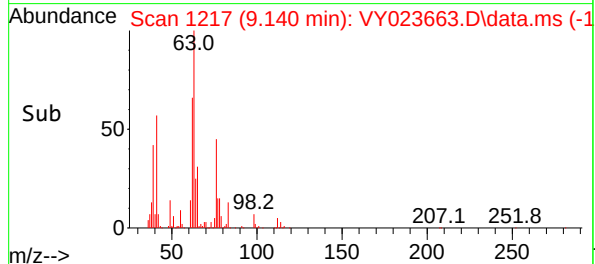
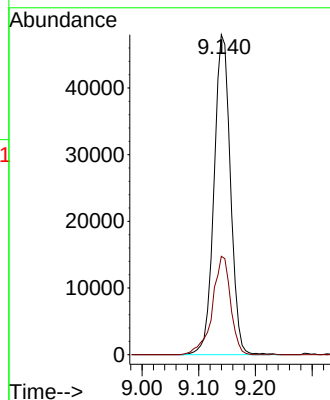
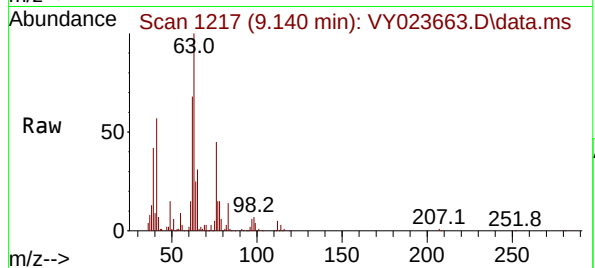
65 30.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 21.188 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

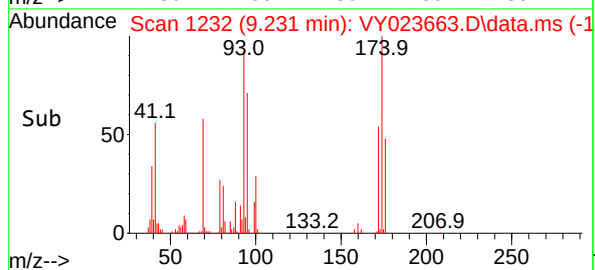
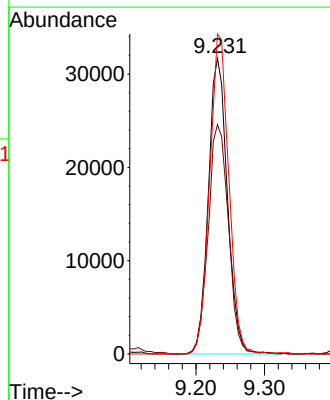
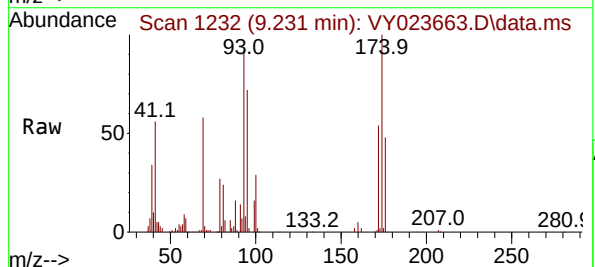
Tgt Ion: 93 Resp: 61391

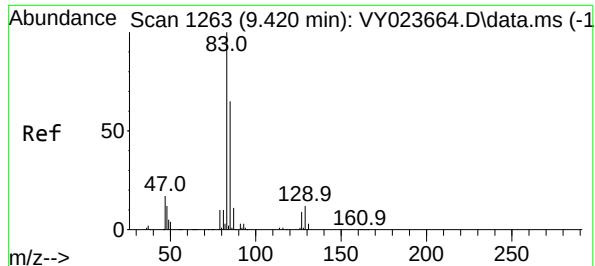
Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.2

174 108.5 89.4 134.0





#47

Bromodichloromethane

Concen: 20.767 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 151710

Ion Ratio Lower Upper

83 100

85 64.2 52.1 78.1

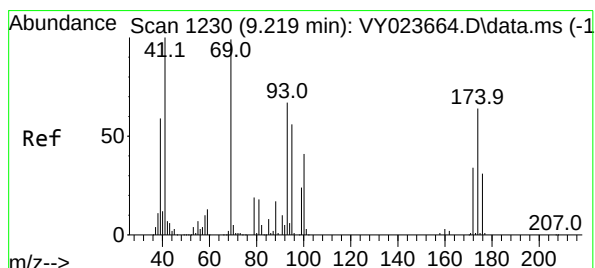
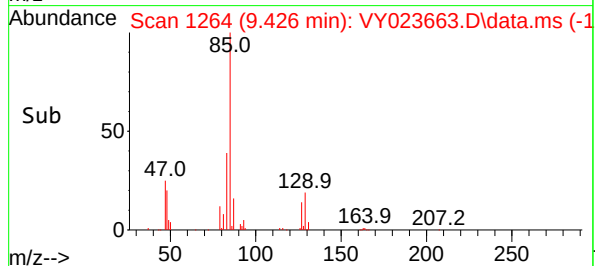
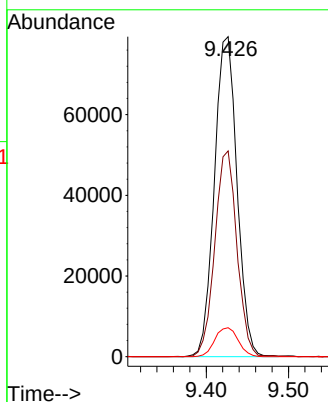
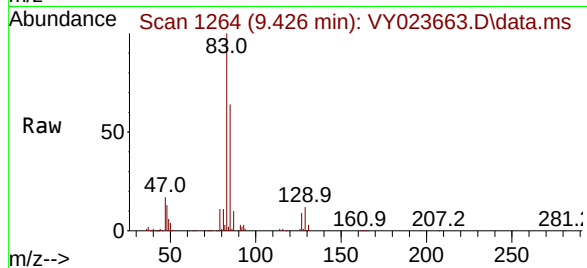
127 9.1 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 20.341 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

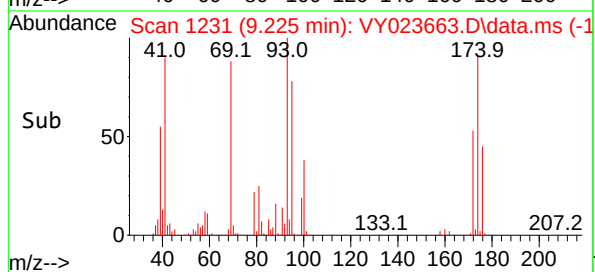
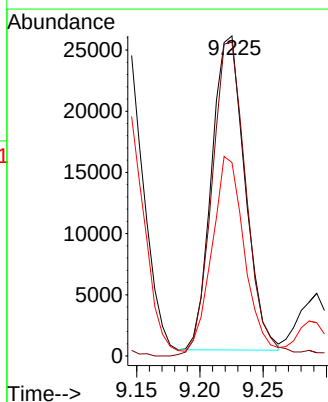
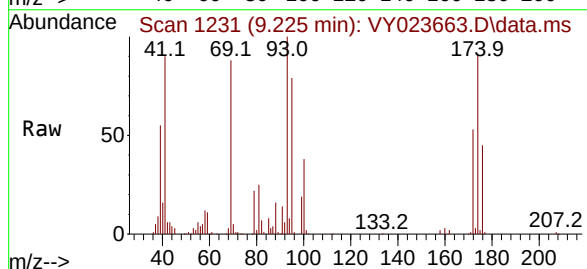
Tgt Ion: 41 Resp: 46988

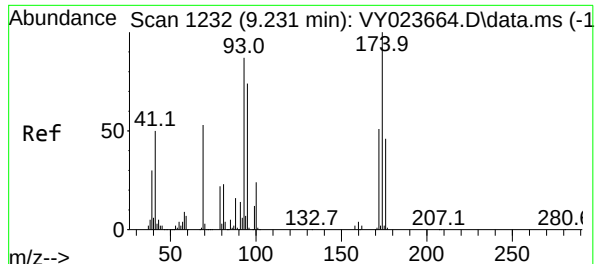
Ion Ratio Lower Upper

41 100

69 102.8 80.2 120.2

39 59.8 47.4 71.0





#49

1,4-Dioxane

Concen: 404.113 ug/l

RT: 9.231 min Scan# 1198

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 88 Resp: 1198

Ion Ratio Lower Upper

88 100

43 31.2 22.0 33.0

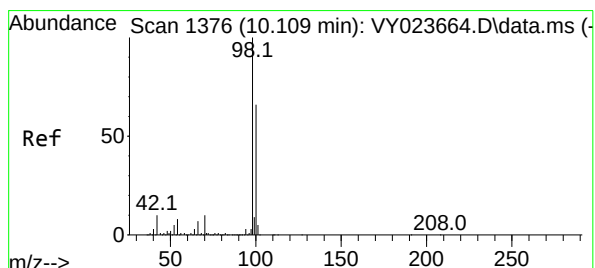
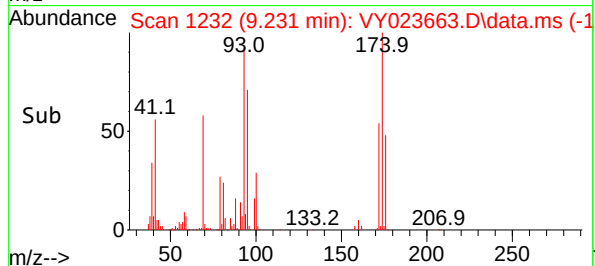
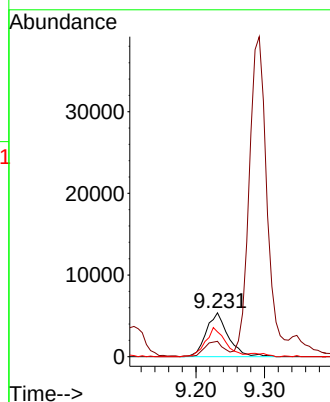
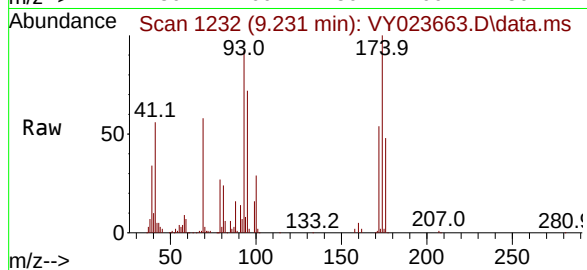
58 60.7 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 19.839 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023663.D

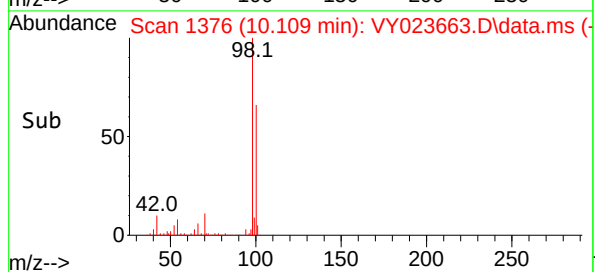
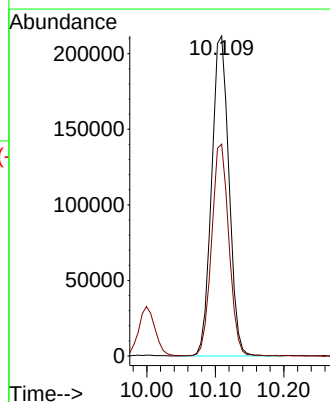
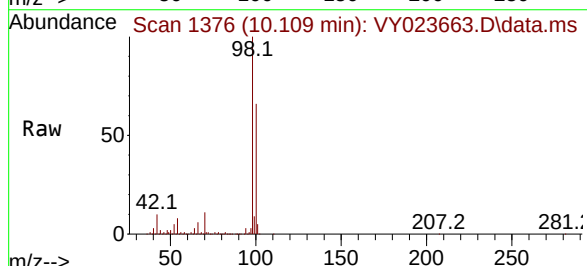
Acq: 04 Nov 2025 10:19

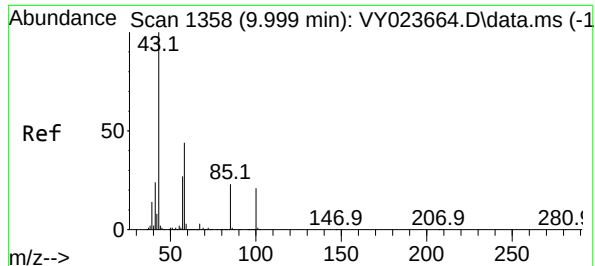
Tgt Ion: 98 Resp: 371763

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 105.327 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 273879

Ion Ratio Lower Upper

43 100

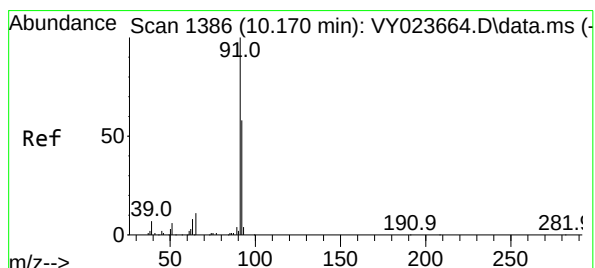
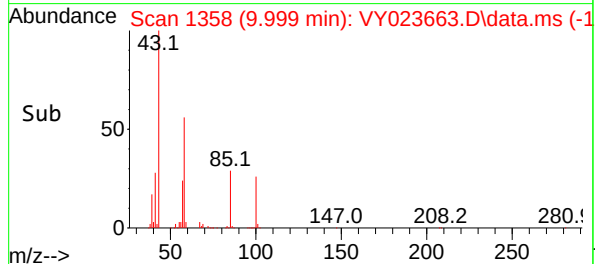
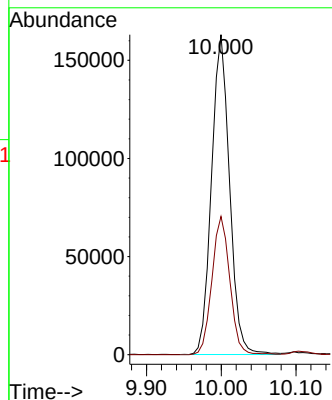
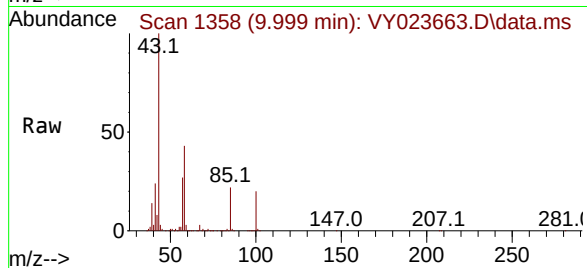
58 42.8 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#52

Toluene

Concen: 20.799 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023663.D

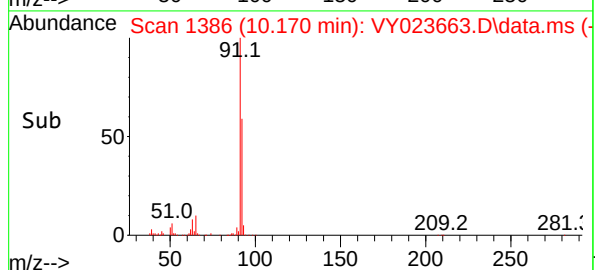
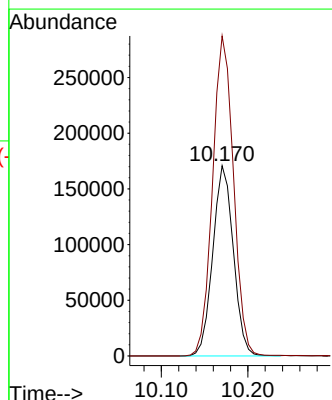
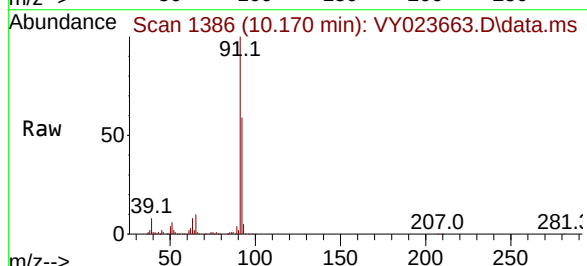
Acq: 04 Nov 2025 10:19

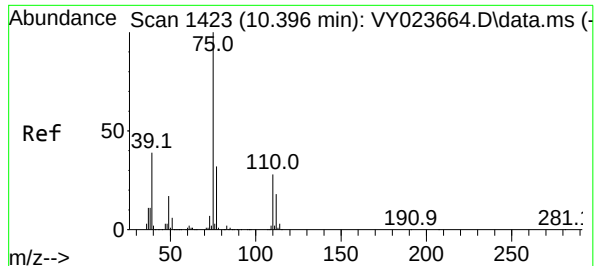
Tgt Ion: 92 Resp: 281364

Ion Ratio Lower Upper

92 100

91 171.5 137.8 206.8





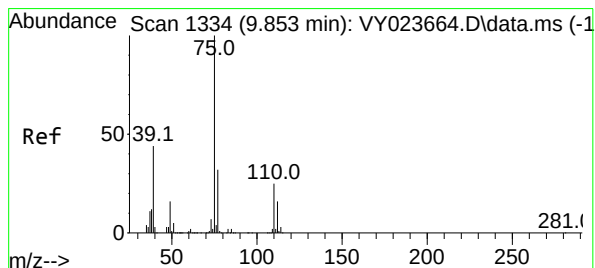
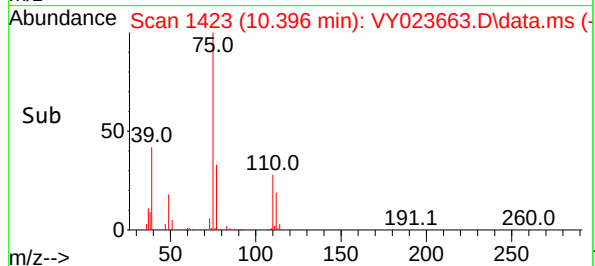
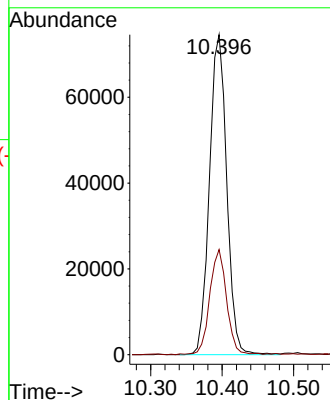
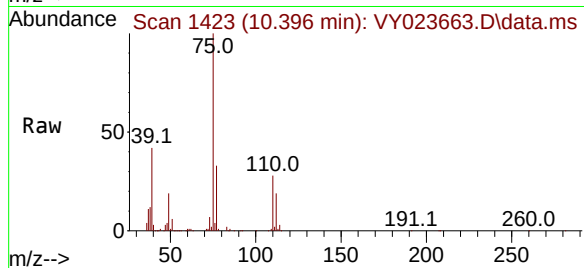
#53
t-1,3-Dichloropropene
Concen: 20.261 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 125239
Ion Ratio Lower Upper
75 100
77 32.7 25.6 38.4

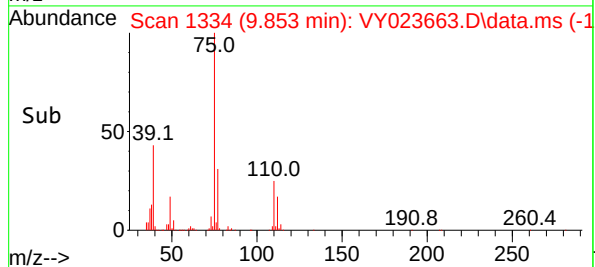
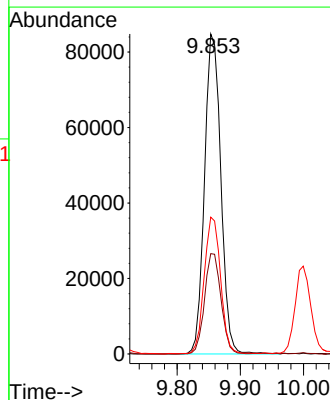
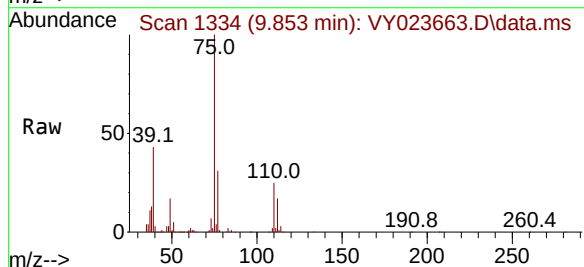
Manual Integrations
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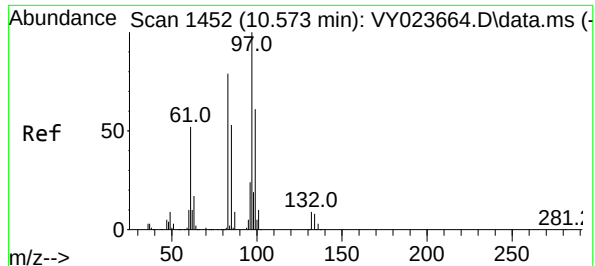
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 20.637 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

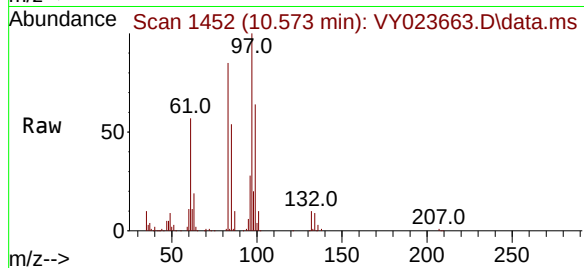
Tgt Ion: 75 Resp: 152830
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 42.7 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 20.761 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

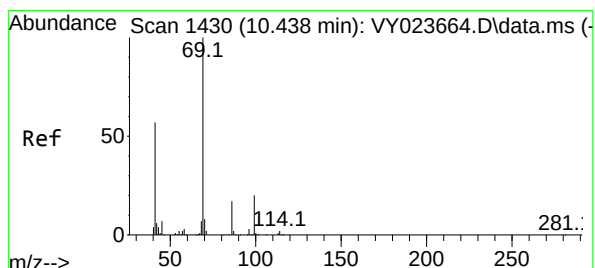
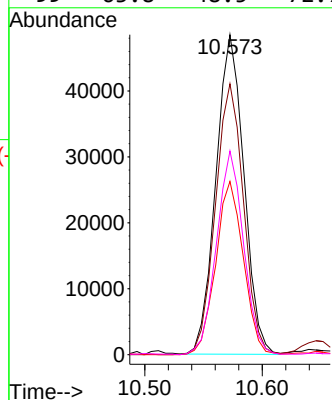
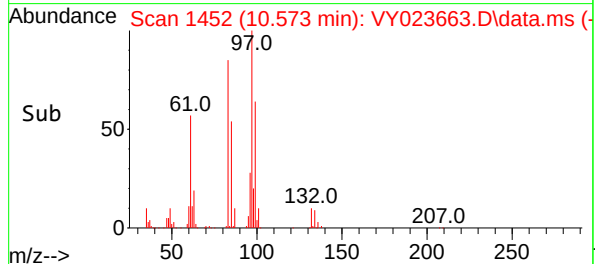
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 97 Resp: 80390
Ion Ratio Lower Upper
97 100
83 84.6 63.3 94.9
85 54.2 42.4 63.6
99 63.8 48.5 72.7

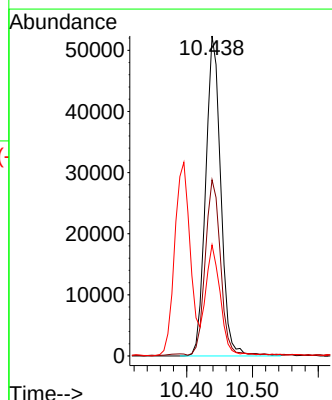
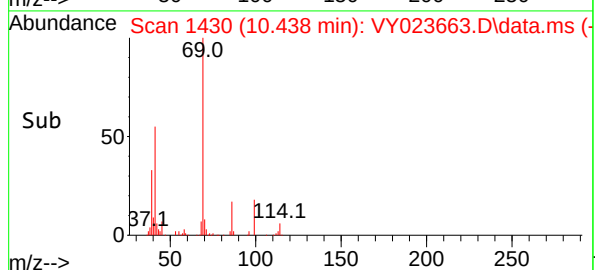
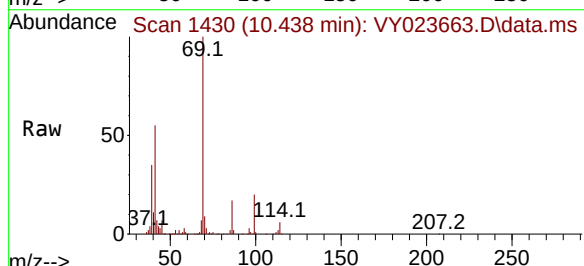
Manual Integrations
APPROVED

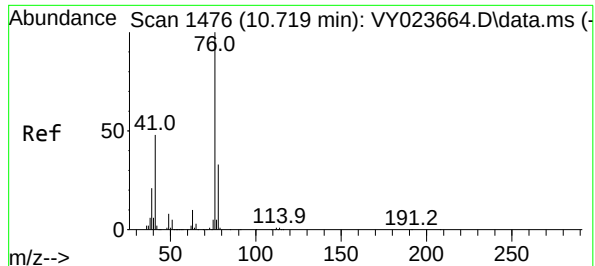
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#56
Ethyl methacrylate
Concen: 19.687 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 69 Resp: 83993
Ion Ratio Lower Upper
69 100
41 55.1 45.0 67.4
39 32.5 25.1 37.7





#57

1,3-Dichloropropane

Concen: 20.999 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 128970

Ion Ratio Lower Upper

76 100

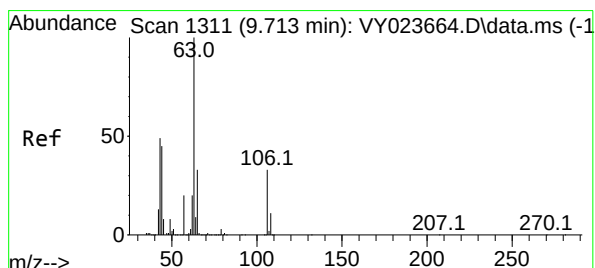
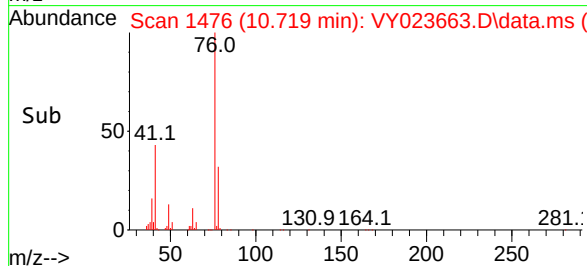
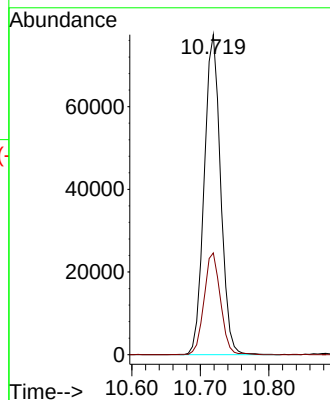
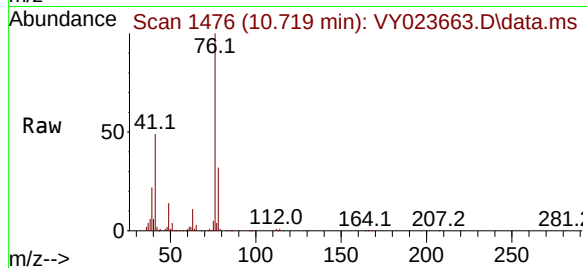
78 32.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#58

2-Chloroethyl Vinyl ether

Concen: 98.178 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY023663.D

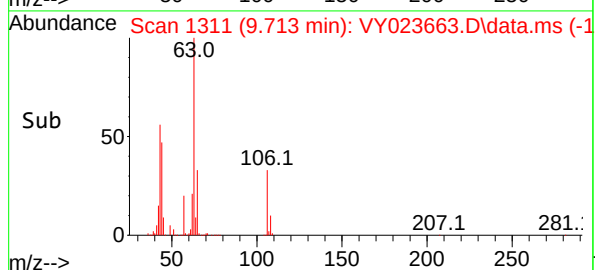
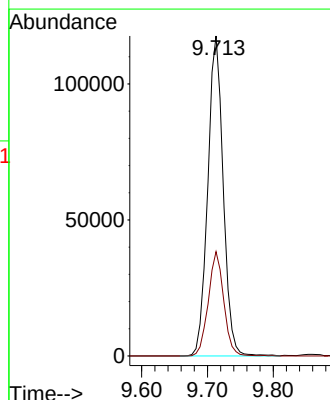
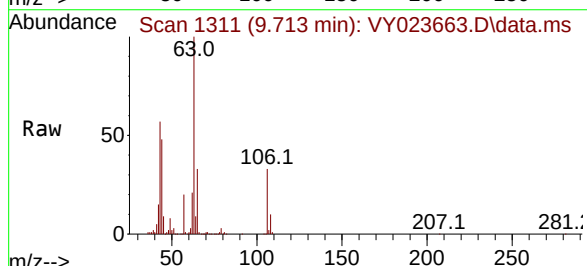
Acq: 04 Nov 2025 10:19

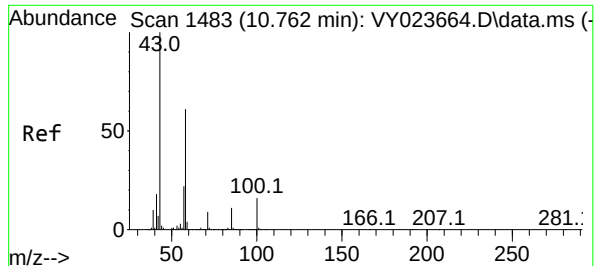
Tgt Ion: 63 Resp: 192206

Ion Ratio Lower Upper

63 100

106 32.6 26.2 39.2





#59

2-Hexanone

Concen: 107.451 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 203840

Ion Ratio Lower Upper

43 100

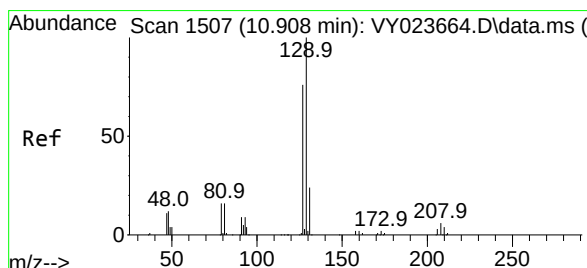
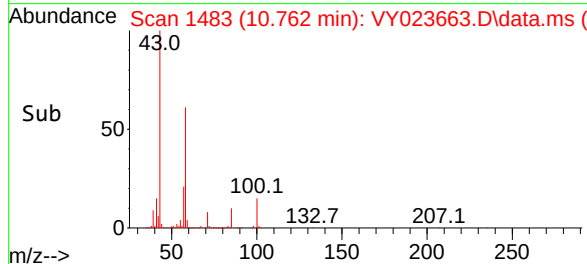
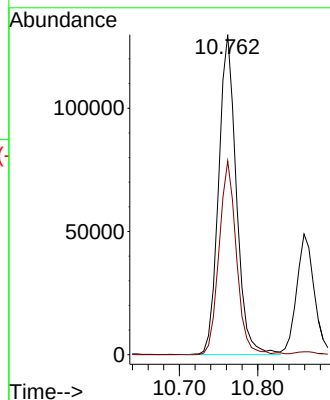
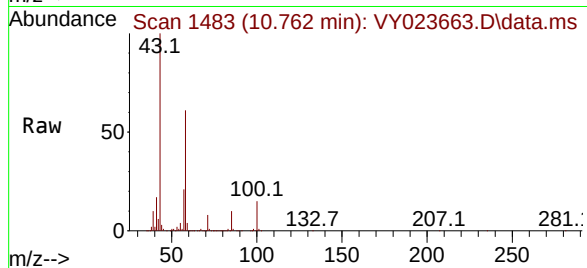
58 59.5 30.2 90.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#60

Dibromochloromethane

Concen: 20.677 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY023663.D

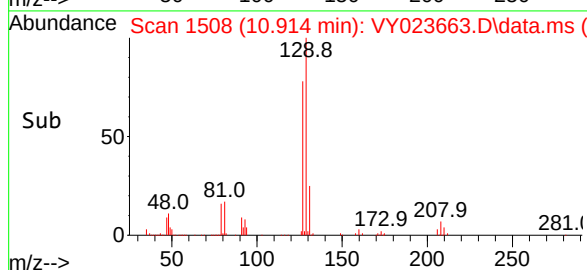
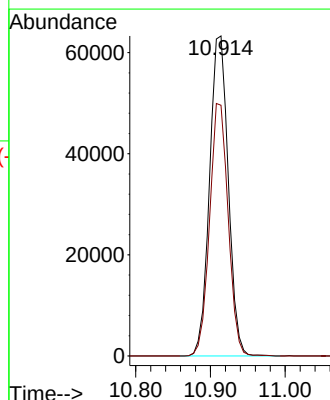
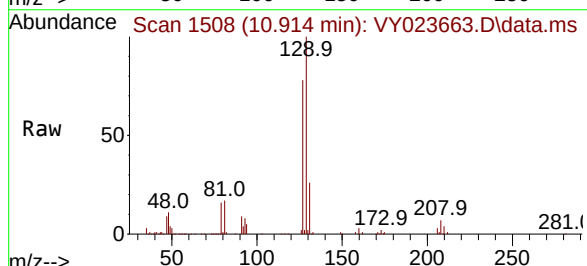
Acq: 04 Nov 2025 10:19

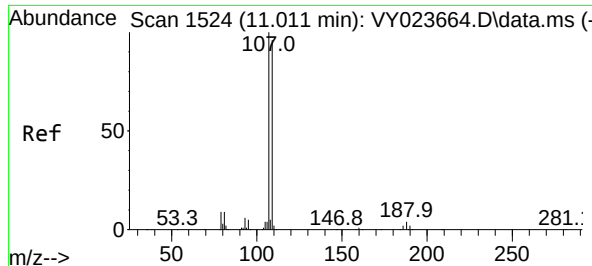
Tgt Ion:129 Resp: 110009

Ion Ratio Lower Upper

129 100

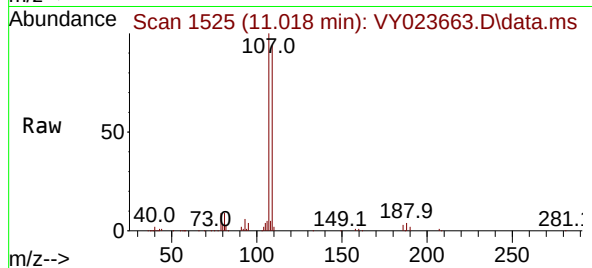
127 78.1 38.4 115.2





#61
1,2-Dibromoethane
Concen: 21.237 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

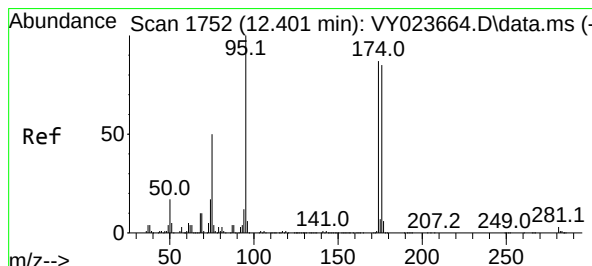
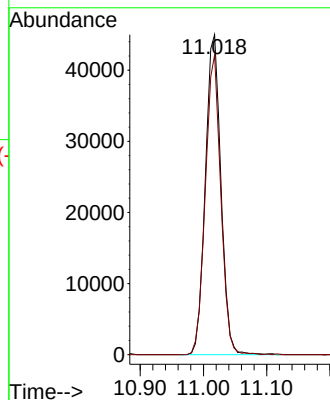
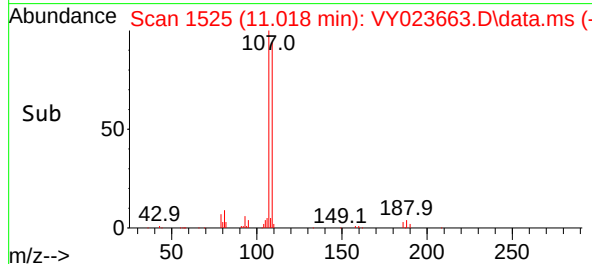
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020



Tgt Ion:107 Resp: 77174
Ion Ratio Lower Upper
107 100
109 92.8 76.2 114.4

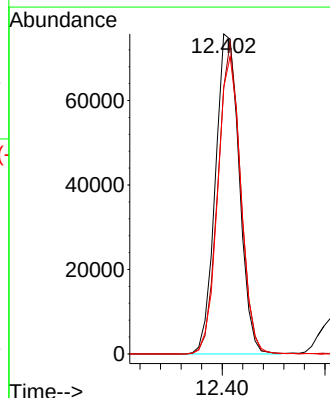
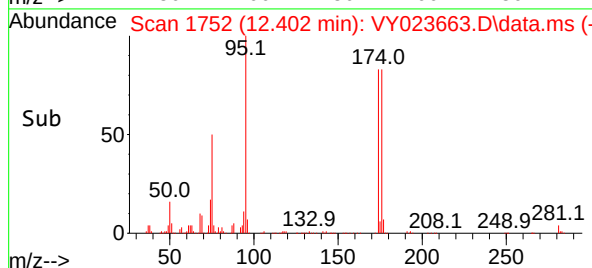
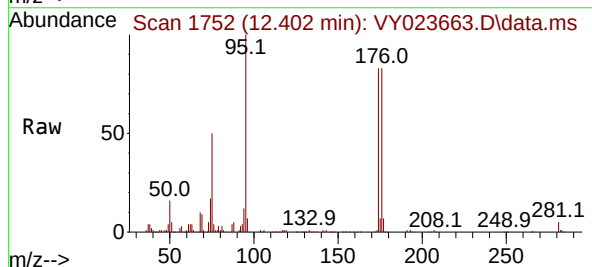
Manual Integrations
APPROVED

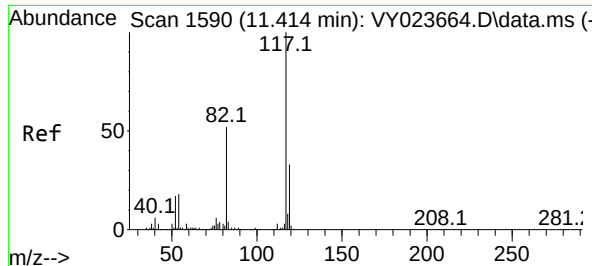
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 20.122 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 95 Resp: 121943
Ion Ratio Lower Upper
95 100
174 91.9 0.0 184.8
176 90.3 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:117 Resp: 70729

Ion Ratio Lower Upper

117 100

82 49.7 41.2 61.8

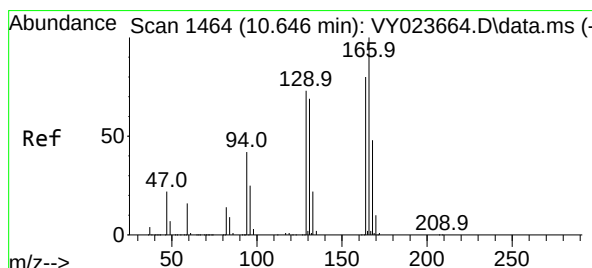
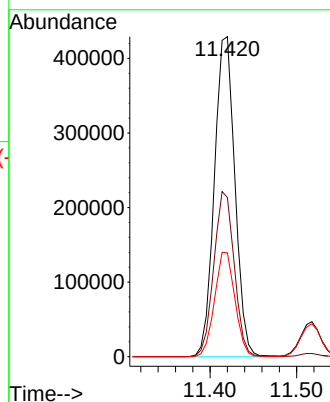
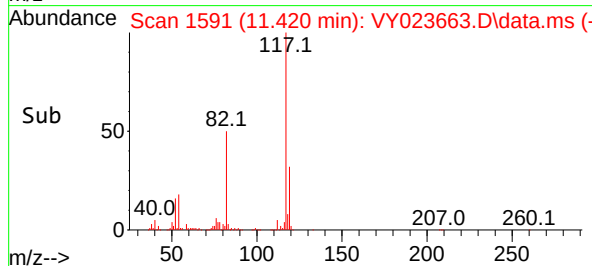
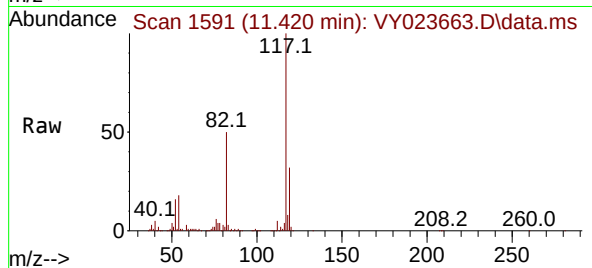
119 32.4 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#64

Tetrachloroethene

Concen: 20.955 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion:164 Resp: 154270

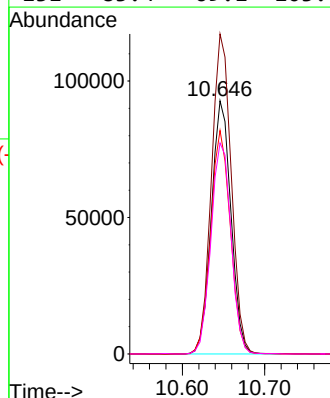
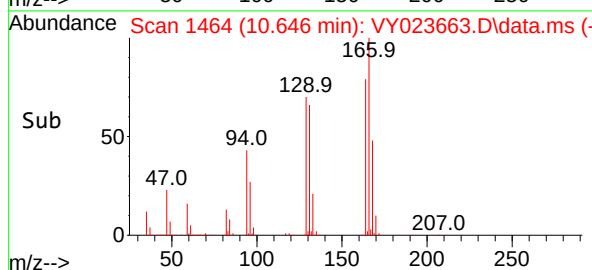
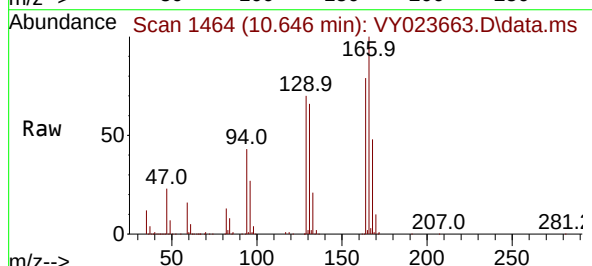
Ion Ratio Lower Upper

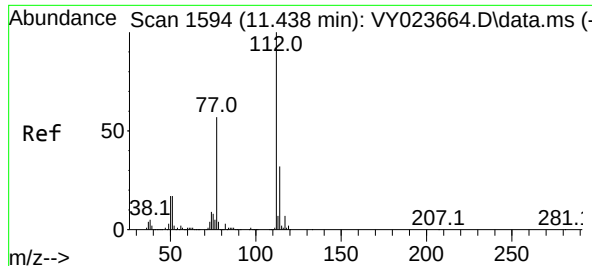
164 100

166 126.4 99.5 149.3

129 88.3 72.3 108.5

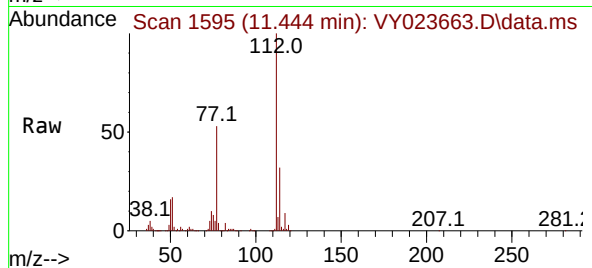
131 83.4 69.1 103.7





#65
Chlorobenzene
Concen: 20.378 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

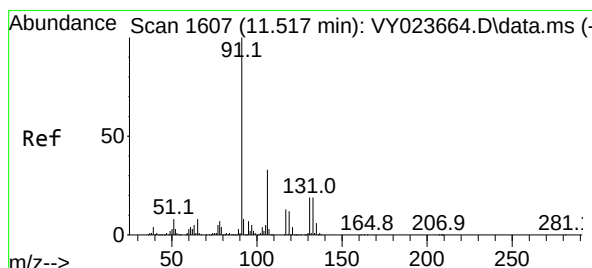
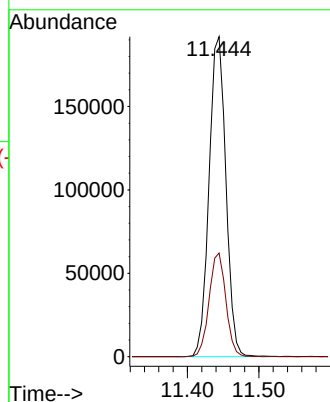
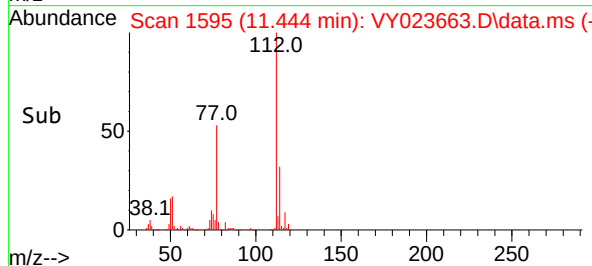
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:112 Resp: 313770
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

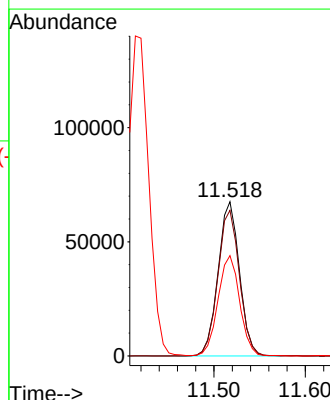
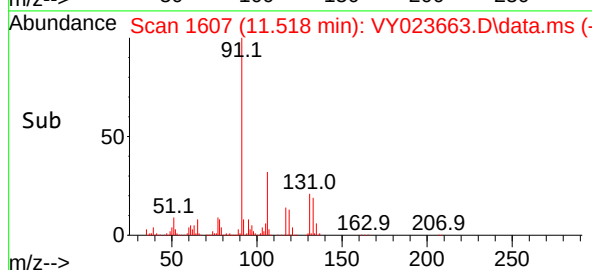
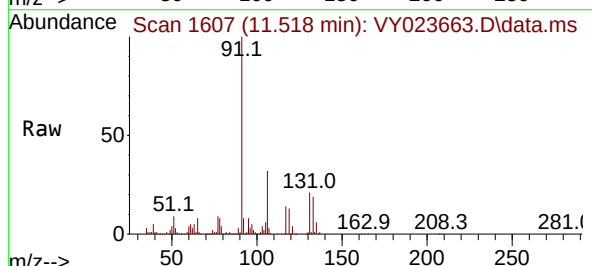
Manual Integrations
APPROVED

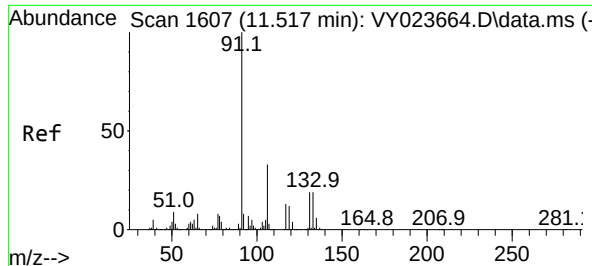
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.122 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion:131 Resp: 109560
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 66.3 32.5 97.4





#67

Ethyl Benzene

Concen: 20.283 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 505460

Ion Ratio Lower Upper

91 100

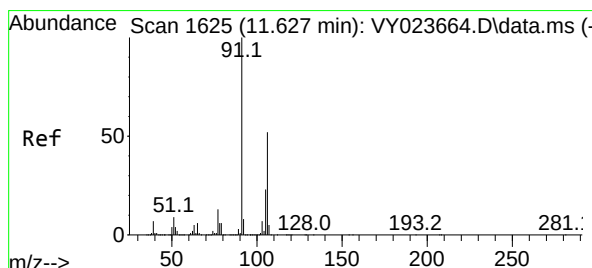
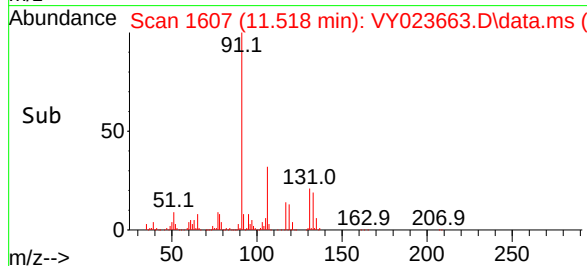
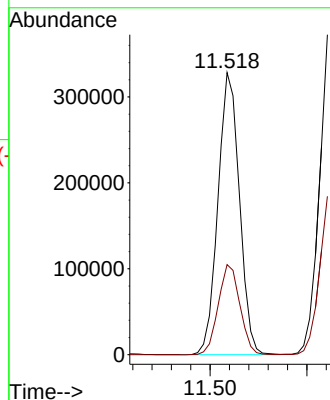
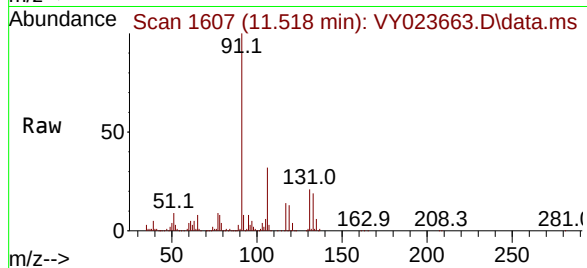
106 32.0 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

m/p-Xylenes

Concen: 41.048 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023663.D

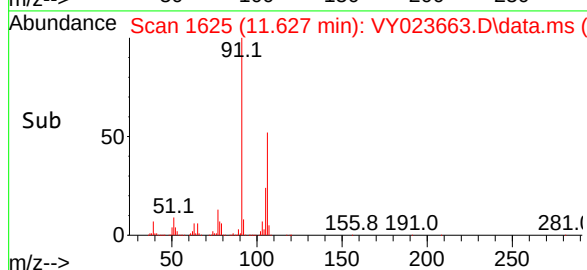
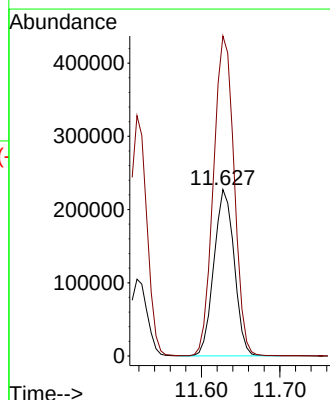
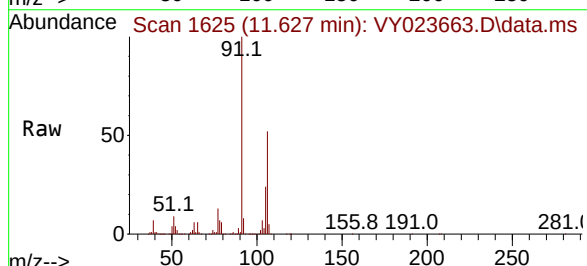
Acq: 04 Nov 2025 10:19

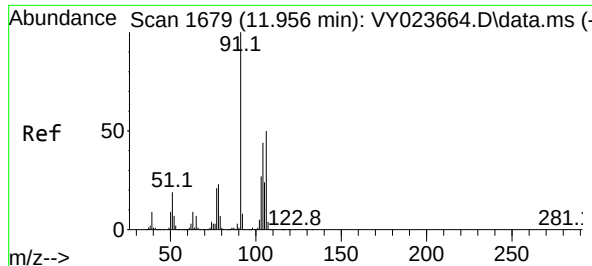
Tgt Ion:106 Resp: 408699

Ion Ratio Lower Upper

106 100

91 196.6 154.3 231.5





#69

o-Xylene

Concen: 20.260 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 186479

Ion Ratio Lower Upper

106 100

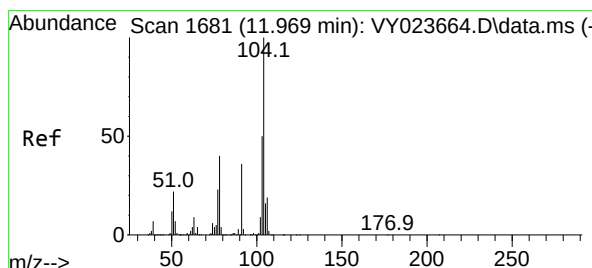
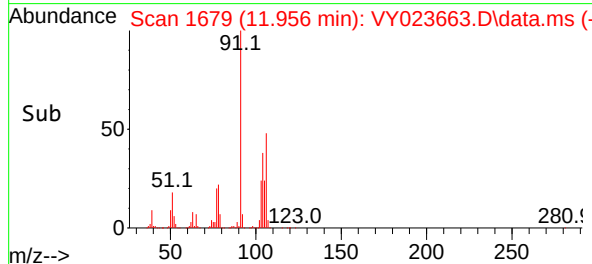
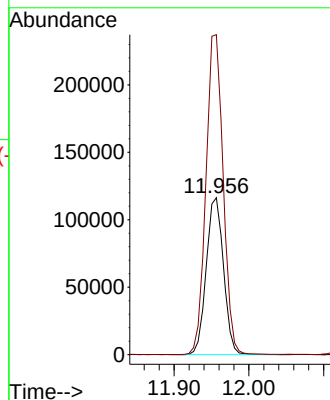
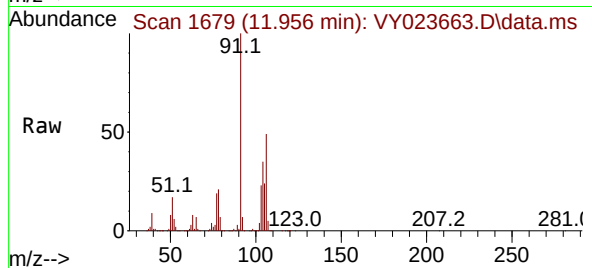
91 203.6 101.6 304.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#70

Styrene

Concen: 20.674 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

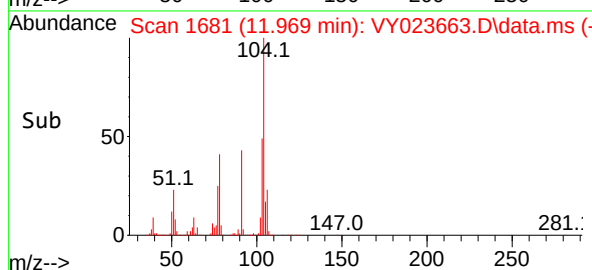
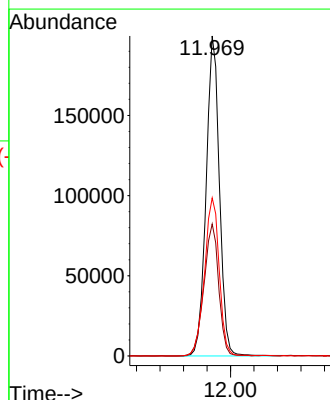
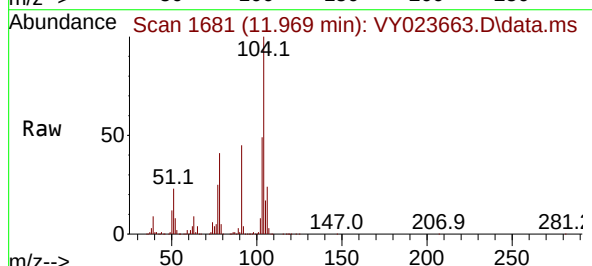
Tgt Ion:104 Resp: 313946

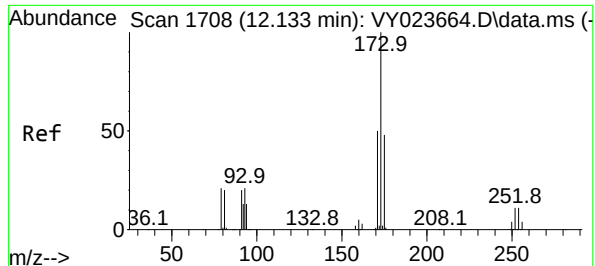
Ion Ratio Lower Upper

104 100

78 45.7 36.5 54.7

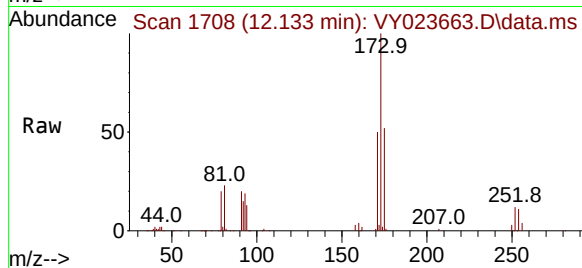
103 54.6 43.7 65.5





#71
Bromoform
Concen: 20.426 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

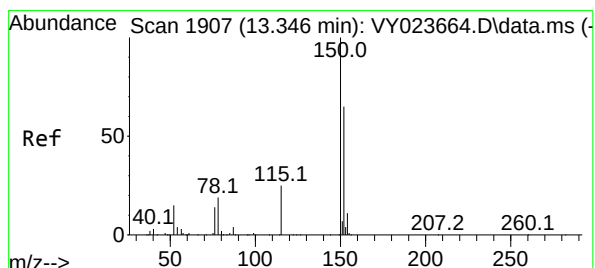
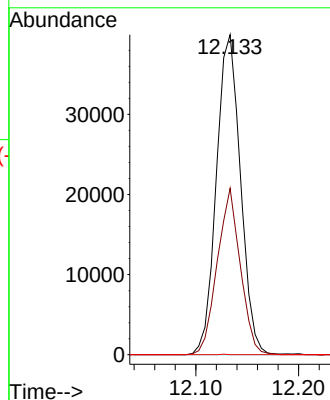
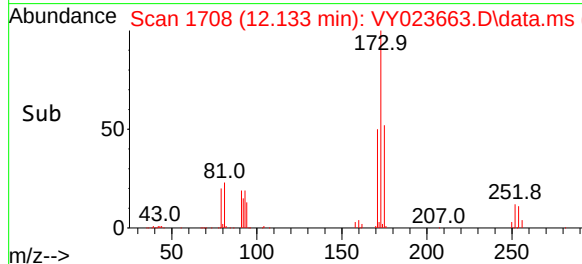
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



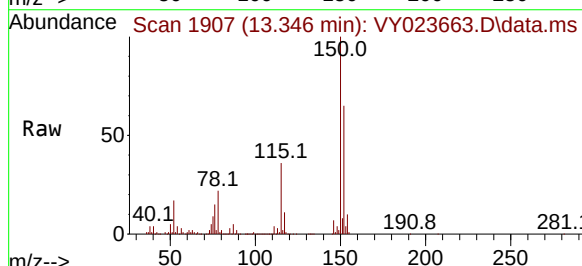
Tgt Ion:173 Resp: 64954
Ion Ratio Lower Upper
173 100
175 49.8 24.2 72.6
254 0.0 0.2 0.2

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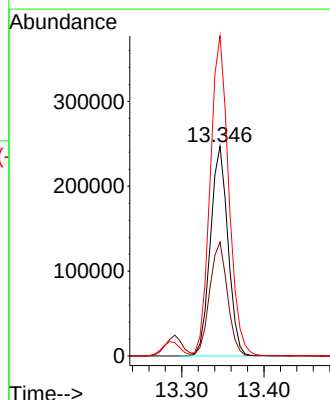
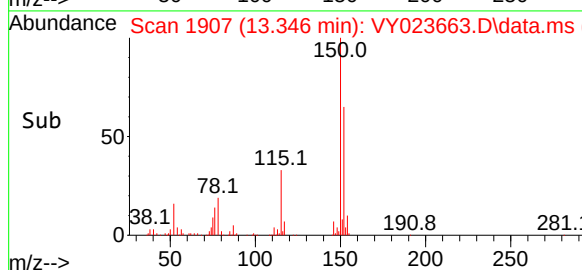
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

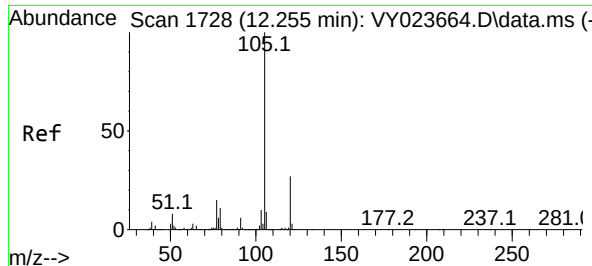


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19



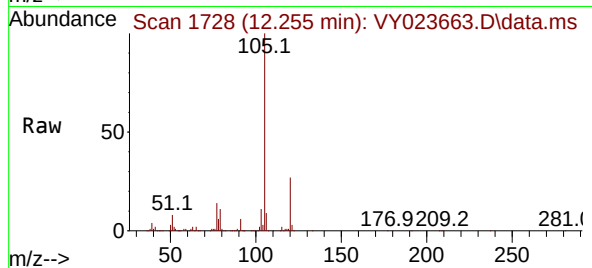
Tgt Ion:152 Resp: 367397
Ion Ratio Lower Upper
152 100
115 54.7 27.5 82.5
150 161.1 0.0 349.0





#73
Isopropylbenzene
Concen: 19.723 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

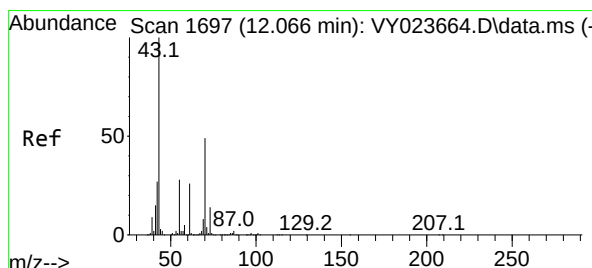
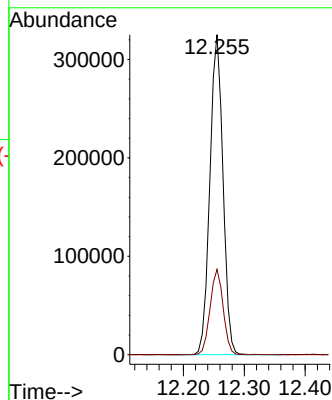
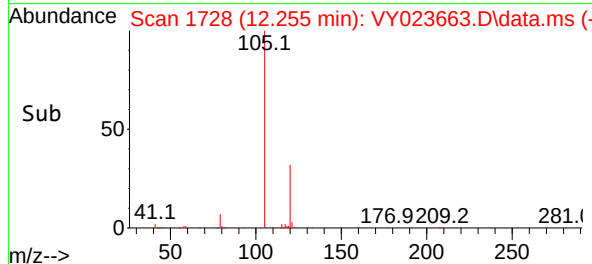
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 484620
Ion Ratio Lower Upper
105 100
120 26.5 13.6 40.7

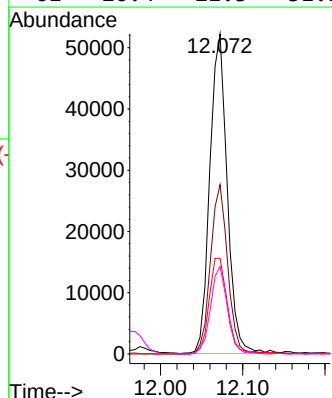
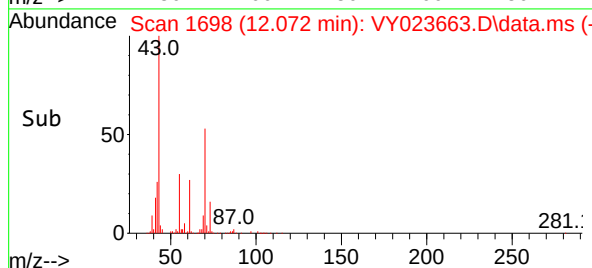
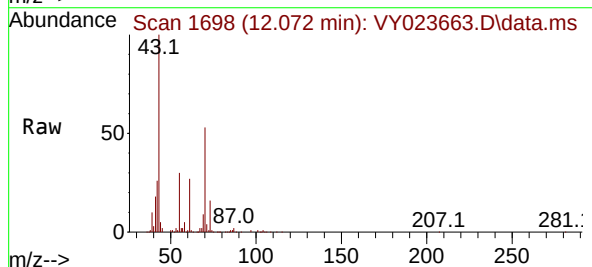
Manual Integrations
APPROVED

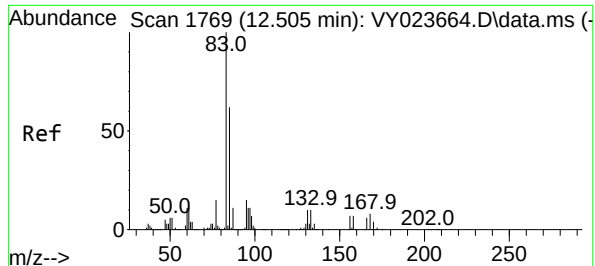
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 18.486 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 43 Resp: 76905
Ion Ratio Lower Upper
43 100
70 52.6 40.1 60.1
55 31.1 23.0 34.6
61 26.4 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.531 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

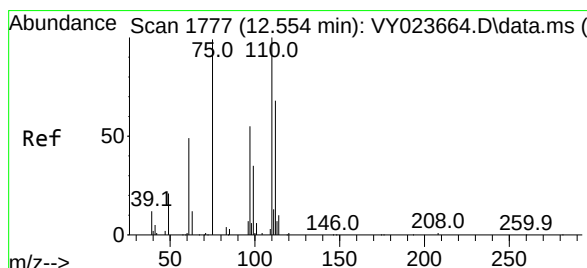
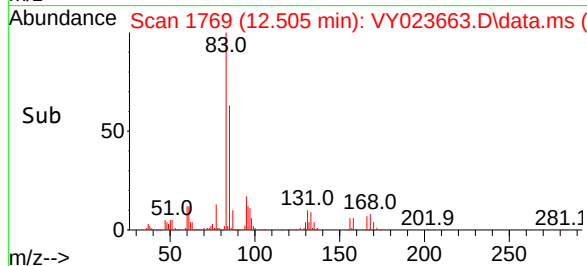
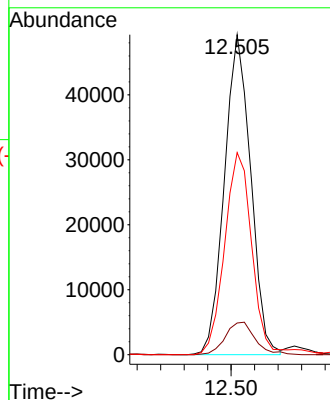
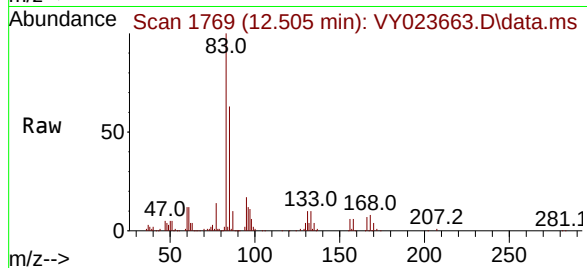
Tgt Ion:	83	Resp:	76650
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.7	17.0
85	66.1	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#76

1,2,3-Trichloropropane

Concen: 20.272 ug/l m

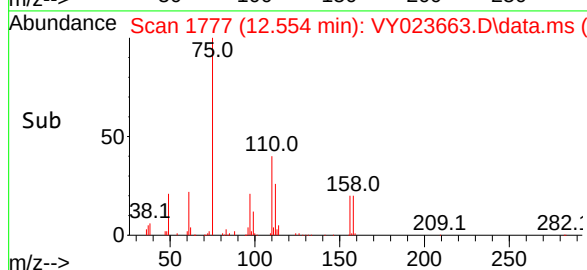
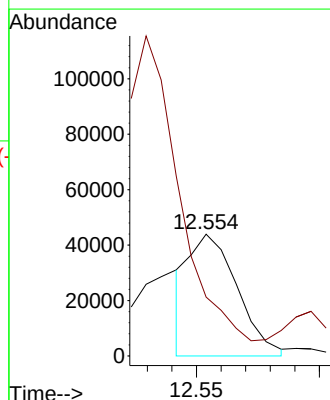
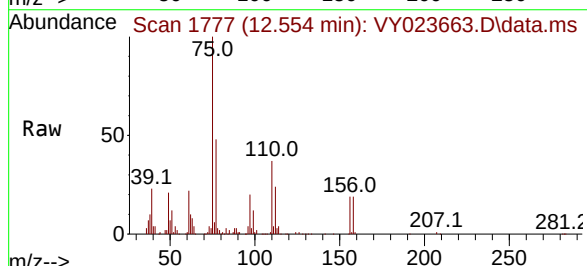
RT: 12.554 min Scan# 1777

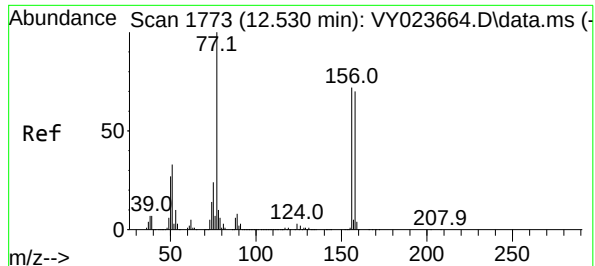
Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion:	75	Resp:	60277
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





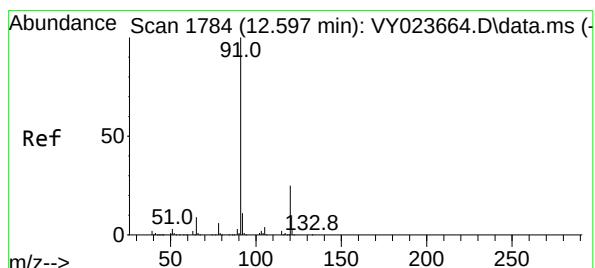
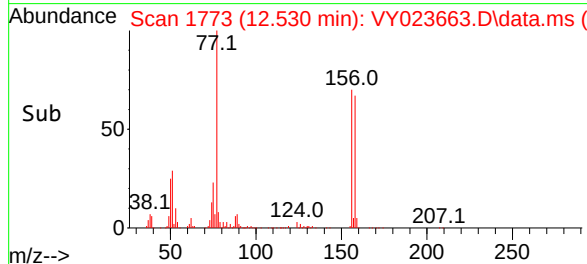
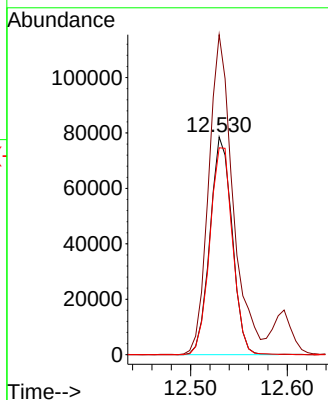
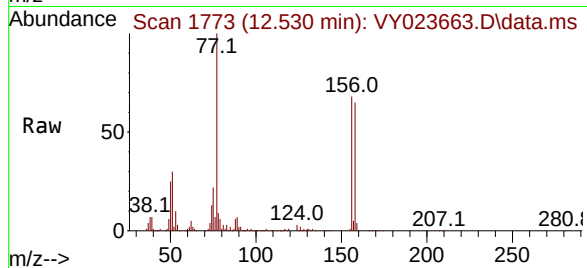
#77
Bromobenzene
Concen: 19.600 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 124920
Ion Ratio Lower Upper
156 100
77 160.7 77.9 233.7
158 98.0 48.5 145.5

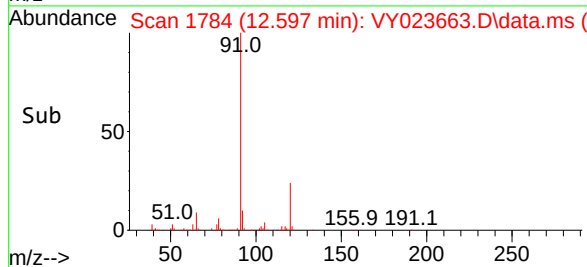
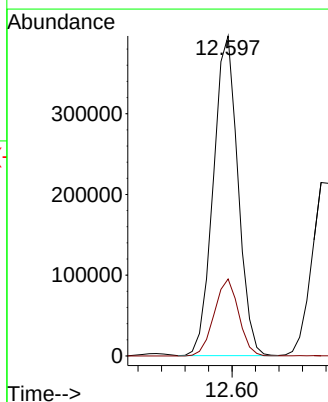
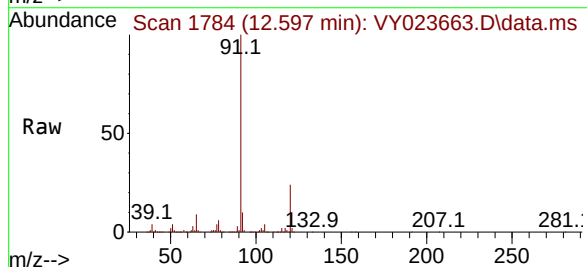
Manual Integrations
APPROVED

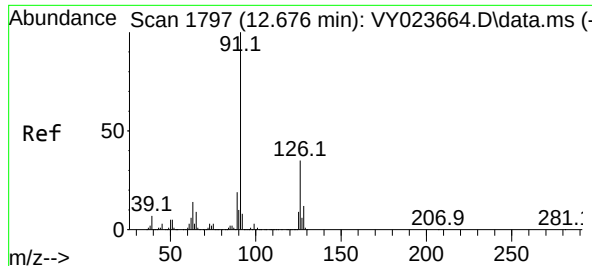
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 19.968 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 91 Resp: 577151
Ion Ratio Lower Upper
91 100
120 23.8 12.0 36.1





#79

2-Chlorotoluene

Concen: 20.048 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 336249

Ion Ratio Lower Upper

91 100

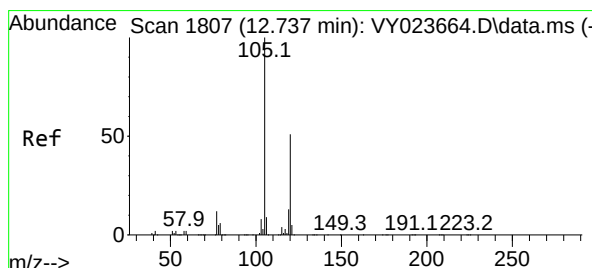
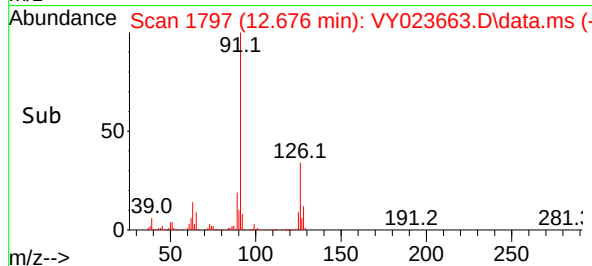
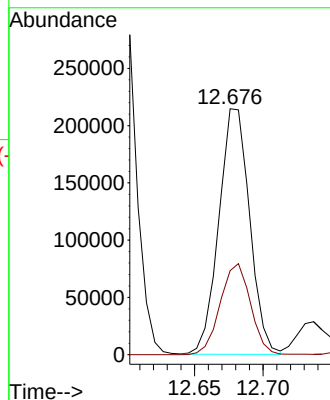
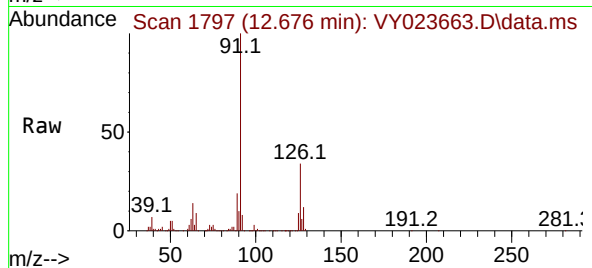
126 36.5 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.126 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023663.D

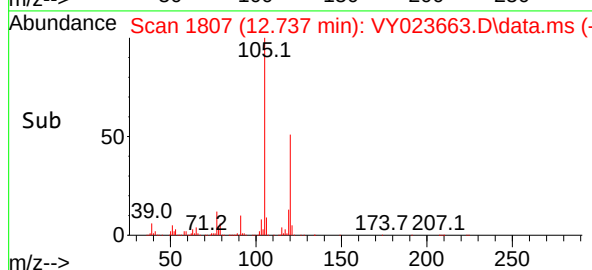
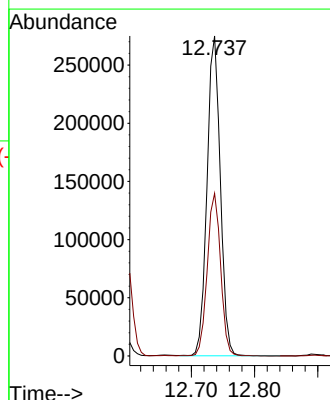
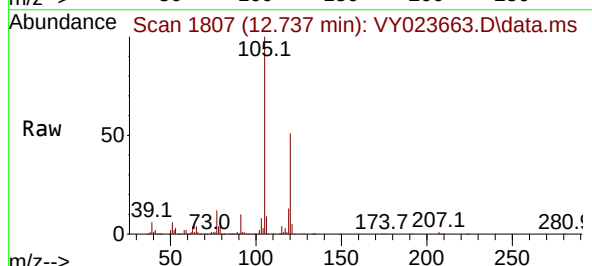
Acq: 04 Nov 2025 10:19

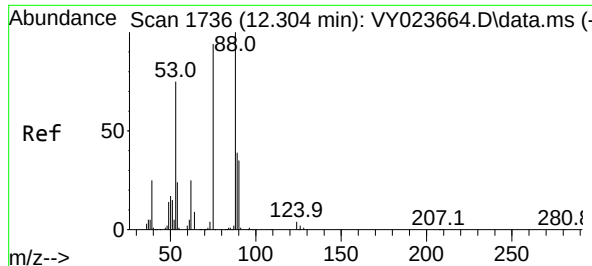
Tgt Ion:105 Resp: 401810

Ion Ratio Lower Upper

105 100

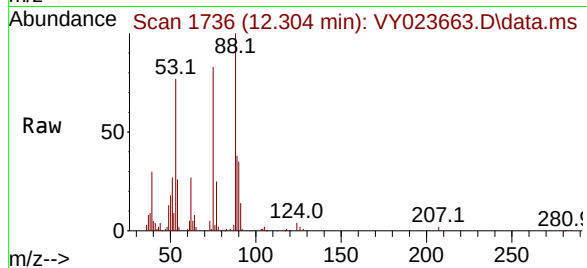
120 51.2 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 19.229 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

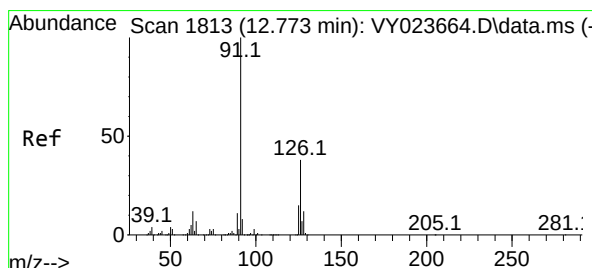
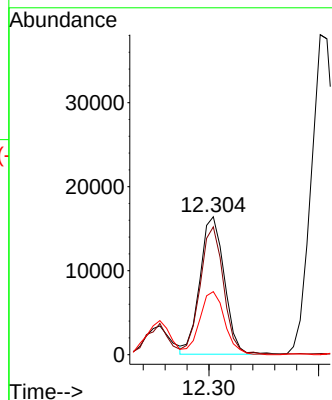
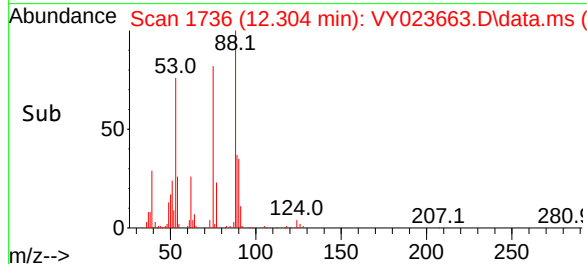
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 25299
Ion Ratio Lower Upper
75 100
53 89.0 69.6 104.4
89 47.3 38.2 57.4

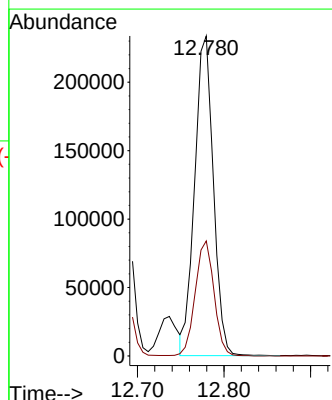
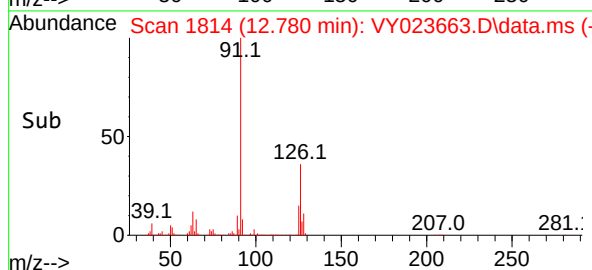
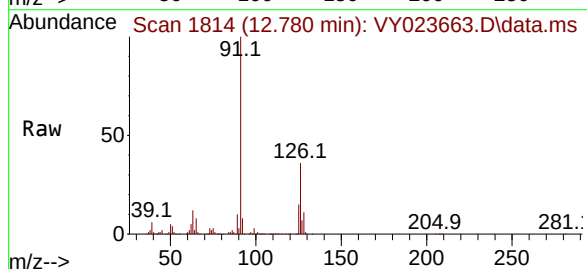
Manual Integrations
APPROVED

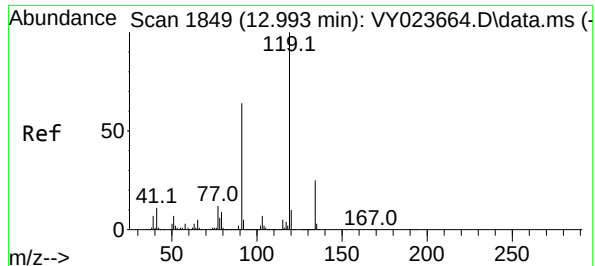
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 20.241 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 91 Resp: 350104
Ion Ratio Lower Upper
91 100
126 36.2 18.1 54.4





#83

tert-Butylbenzene

Concen: 19.409 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion:119 Resp: 352929

Ion Ratio Lower Upper

119 100

91 61.4 30.7 92.1

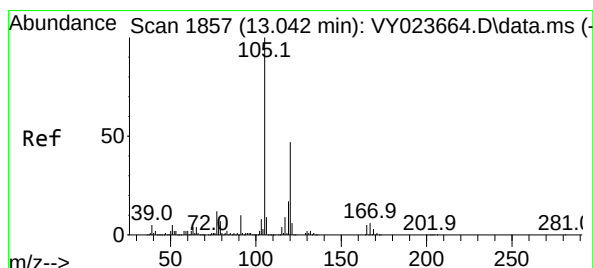
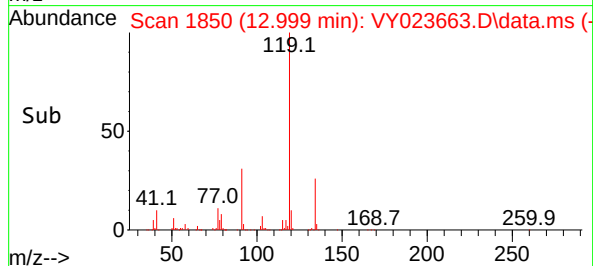
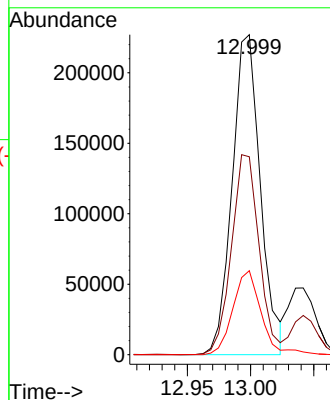
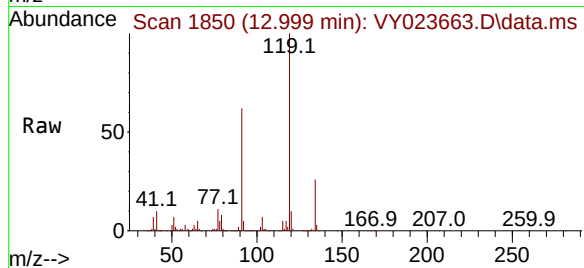
134 26.4 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.077 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023663.D

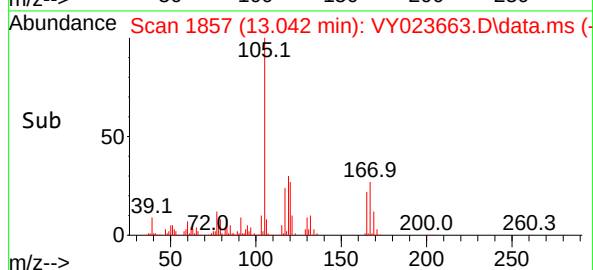
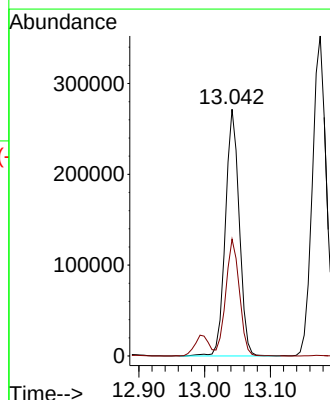
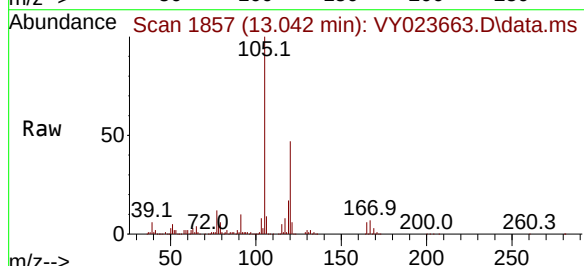
Acq: 04 Nov 2025 10:19

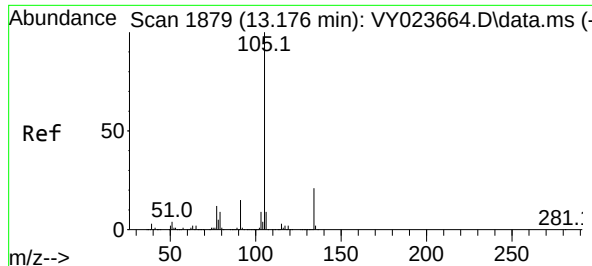
Tgt Ion:105 Resp: 397002

Ion Ratio Lower Upper

105 100

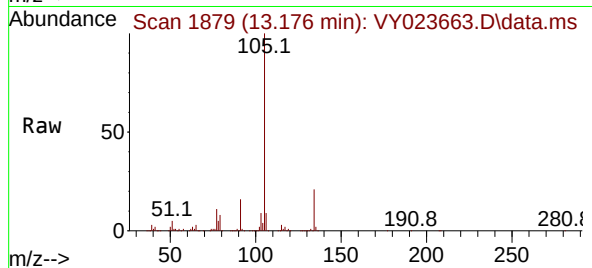
120 46.5 23.2 69.6





#85
sec-Butylbenzene
Concen: 19.831 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

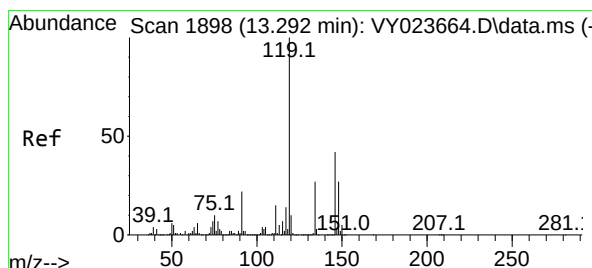
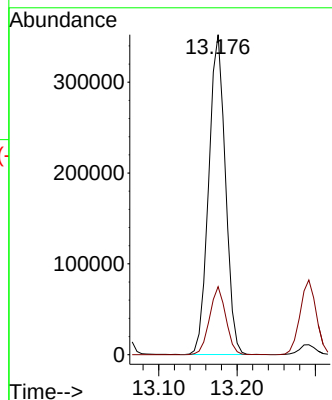
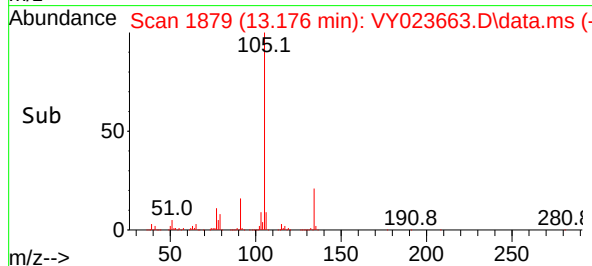
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 520100
Ion Ratio Lower Upper
105 100
134 20.8 10.4 31.4

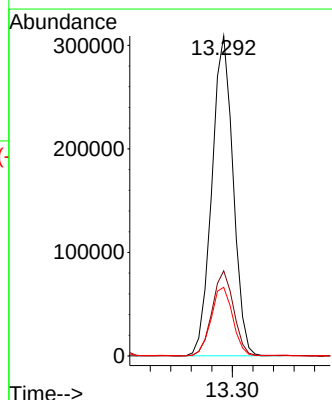
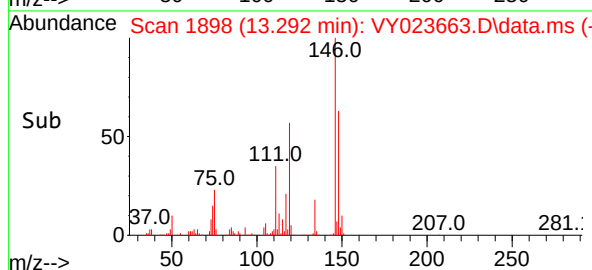
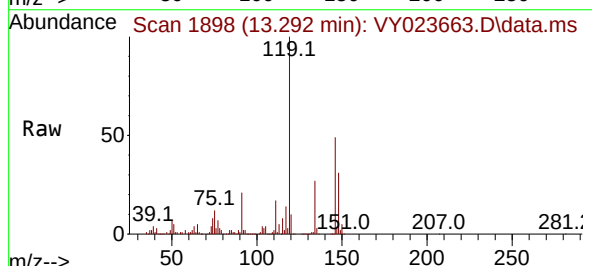
Manual Integrations
APPROVED

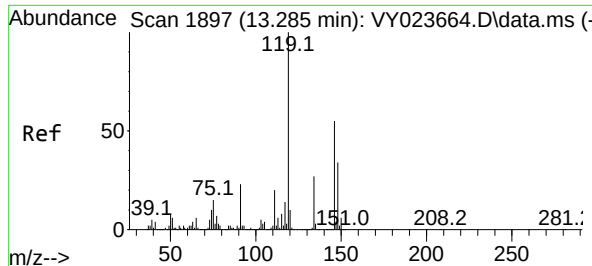
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#86
p-Isopropyltoluene
Concen: 19.902 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion:119 Resp: 441869
Ion Ratio Lower Upper
119 100
134 26.9 13.4 40.2
91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 20.080 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

Tgt Ion:146 Resp: 25190

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.3

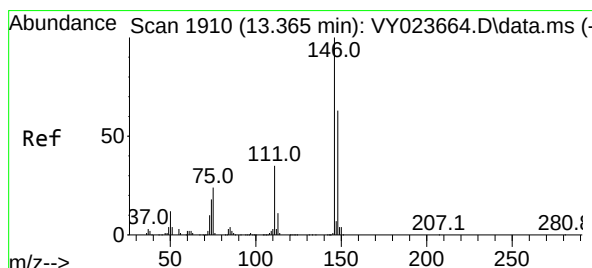
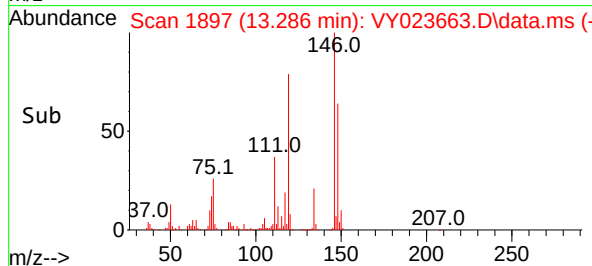
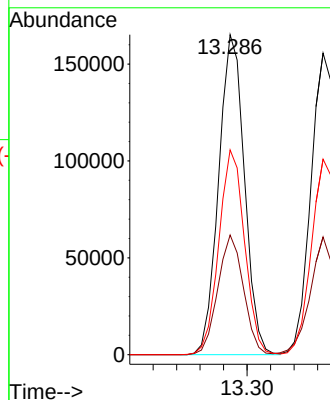
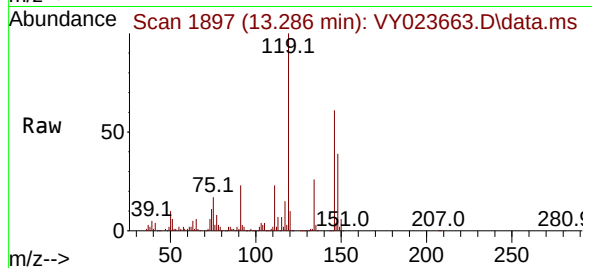
148 63.9 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 19.866 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

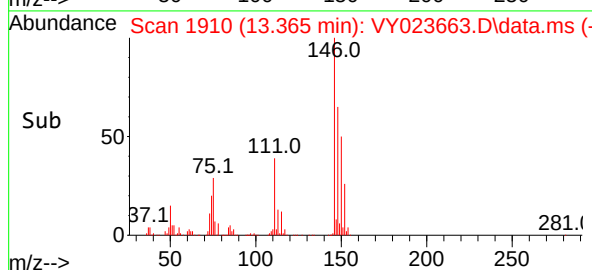
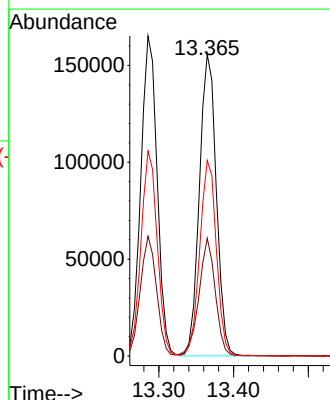
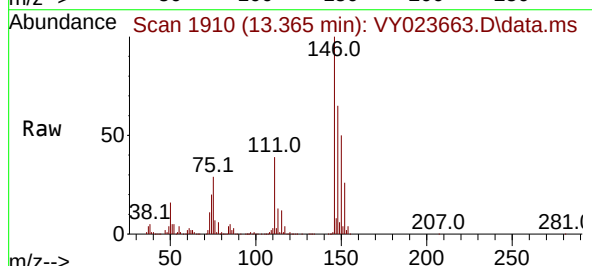
Tgt Ion:146 Resp: 244807

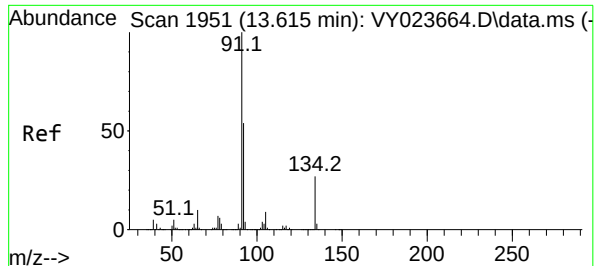
Ion Ratio Lower Upper

146 100

111 37.6 18.3 54.8

148 63.8 31.8 95.3





#89

n-Butylbenzene

Concen: 19.467 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

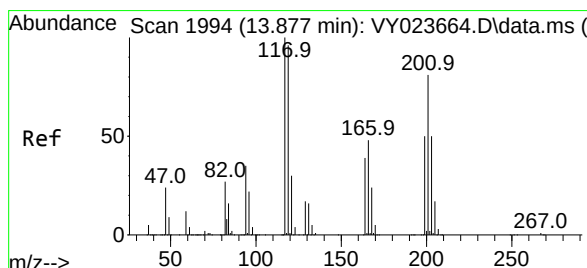
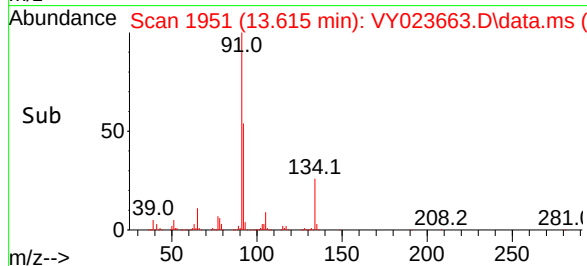
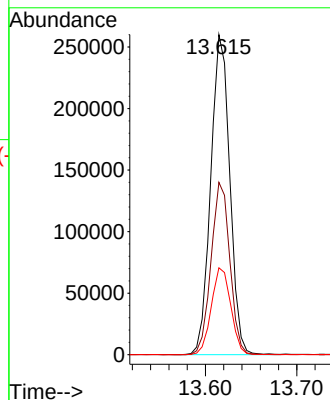
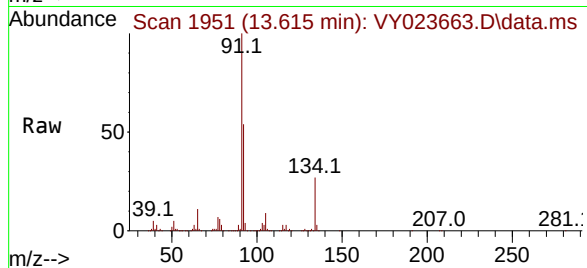
Tgt Ion:	91	Resp:	37584
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.4
134	27.7	13.7	41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 19.477 ug/l

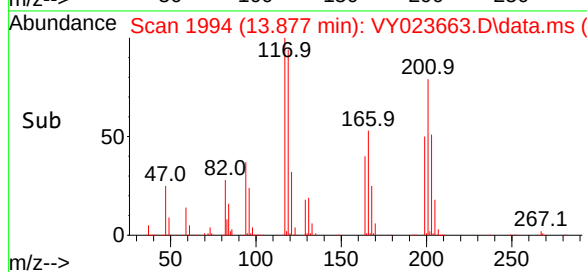
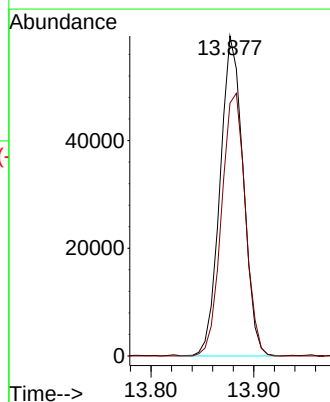
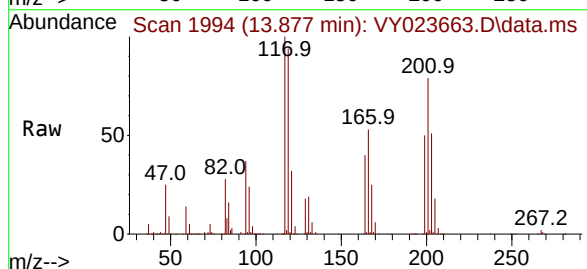
RT: 13.877 min Scan# 1994

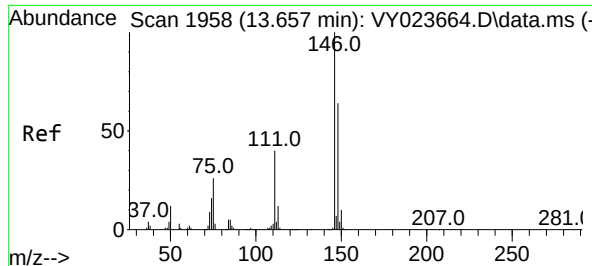
Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Tgt Ion:	117	Resp:	92928
Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.3	126.8





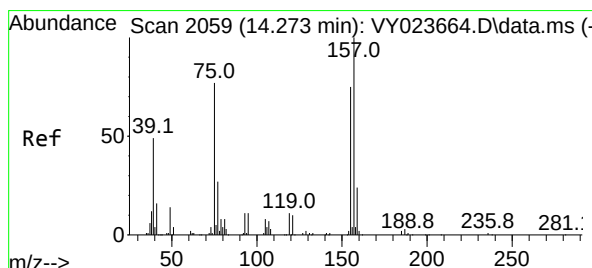
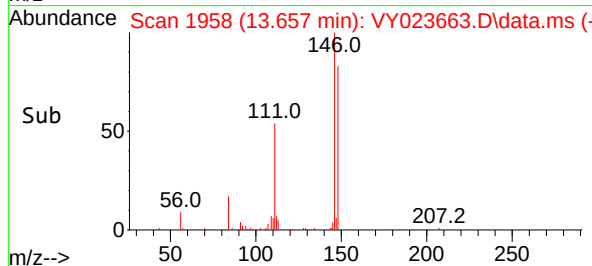
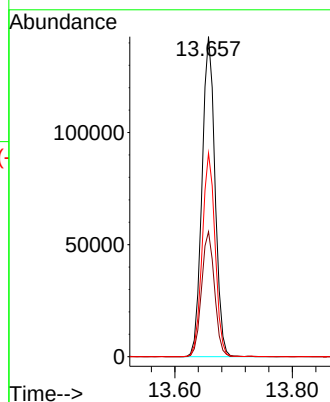
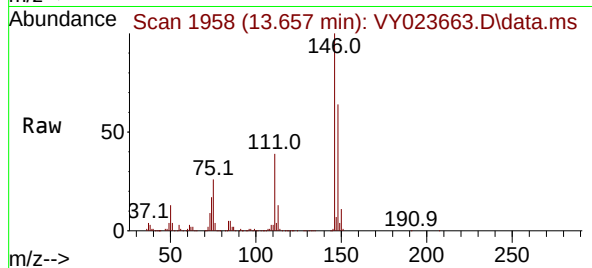
#91
1,2-Dichlorobenzene
Concen: 20.225 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 21865
Ion Ratio Lower Upper
146 100
111 38.8 19.5 58.5
148 62.9 31.9 95.9

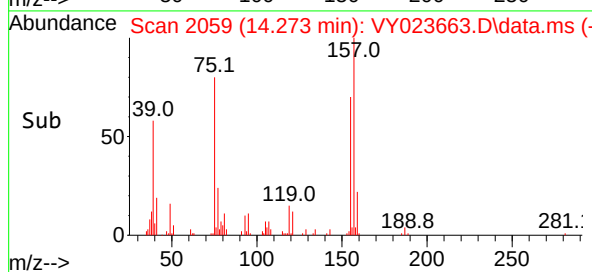
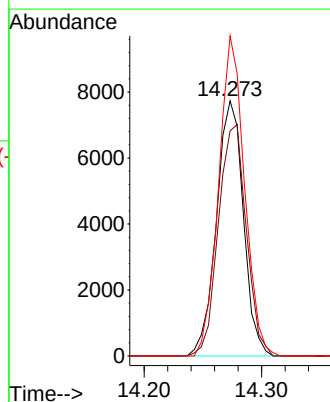
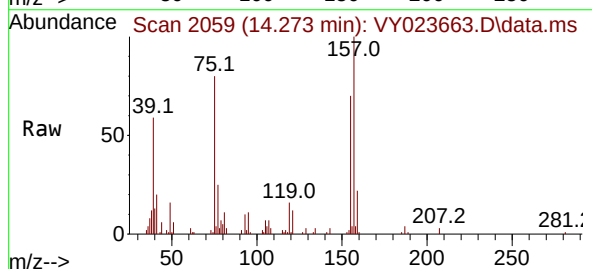
Manual Integrations
APPROVED

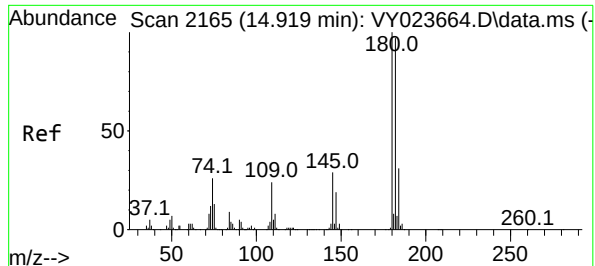
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.289 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

Tgt Ion: 75 Resp: 12260
Ion Ratio Lower Upper
75 100
155 94.0 49.4 148.2
157 120.7 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 19.851 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

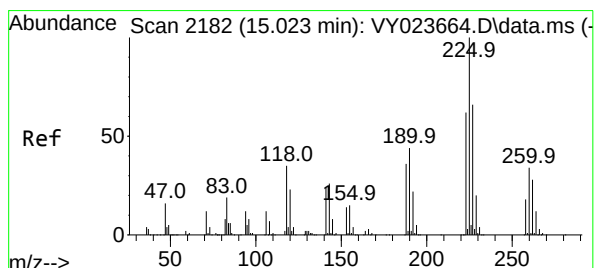
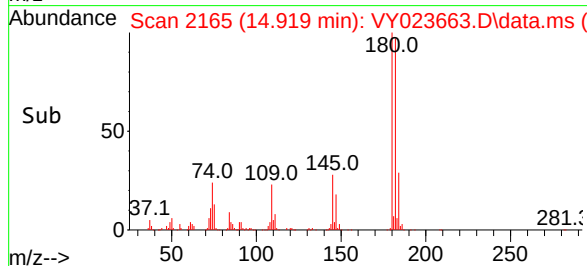
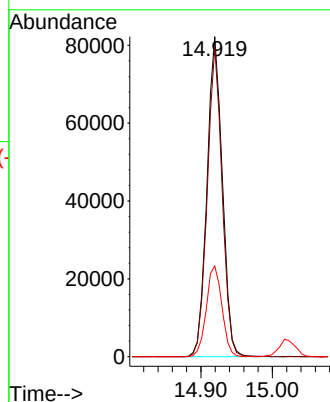
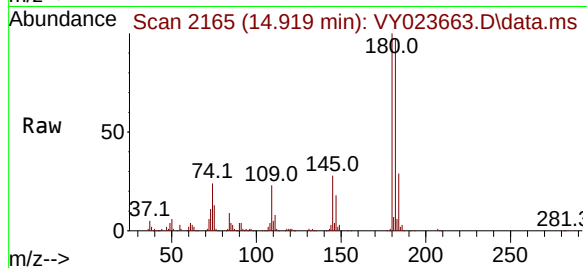
Tgt Ion:180	Resp:	122750
Ion Ratio	Lower	Upper
180	100	
182	93.5	47.5 142.6
145	28.7	14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 19.507 ug/l

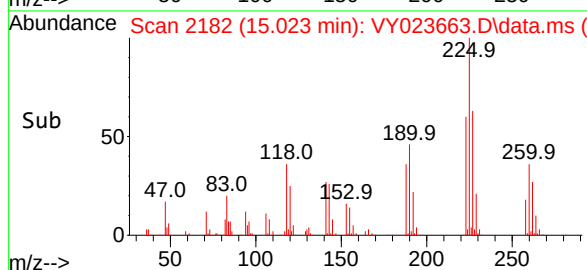
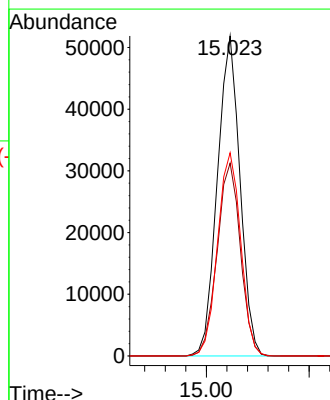
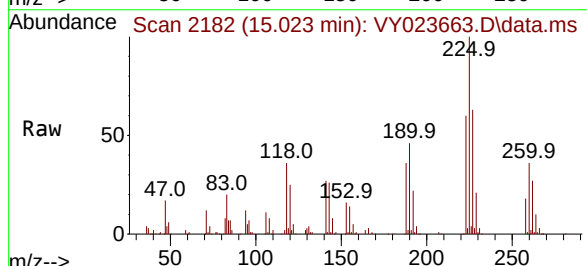
RT: 15.023 min Scan# 2182

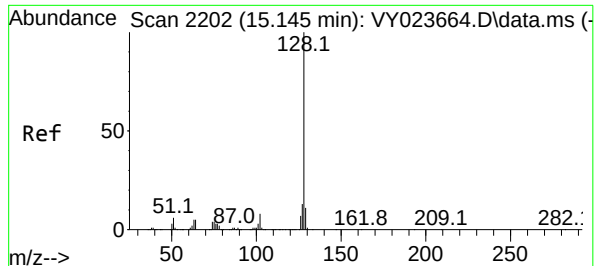
Delta R.T. 0.000 min

Lab File: VY023663.D

Acq: 04 Nov 2025 10:19

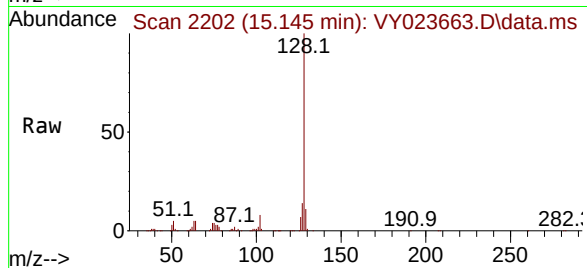
Tgt Ion:225	Resp:	79039
Ion Ratio	Lower	Upper
225	100	
223	62.0	30.8 92.3
227	65.1	32.0 96.2





#95
Naphthalene
Concen: 19.694 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19

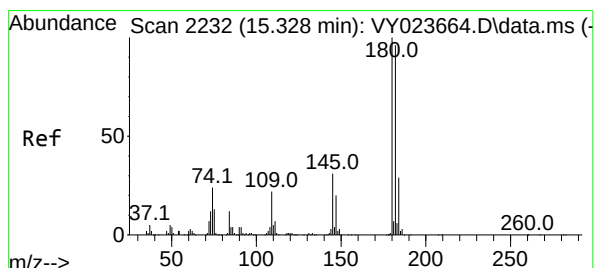
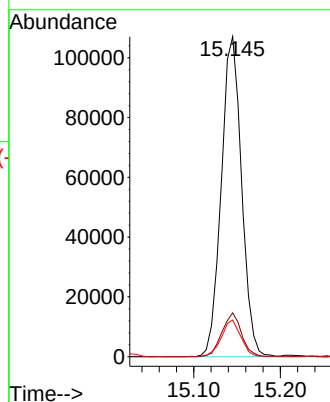
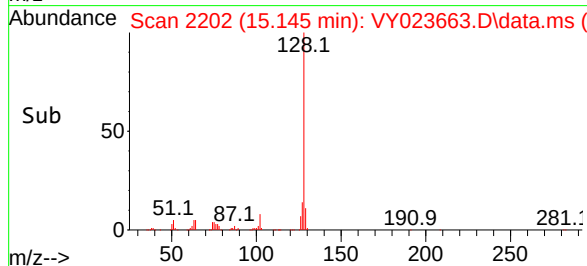
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020



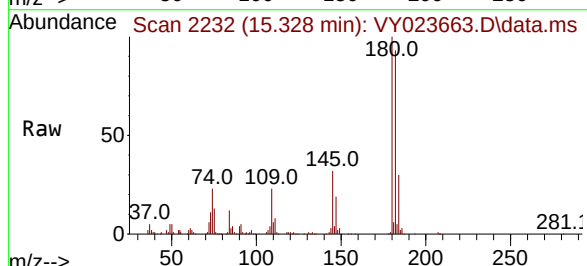
Tgt Ion:128 Resp: 174378
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.8 13.2

Manual Integrations
APPROVED

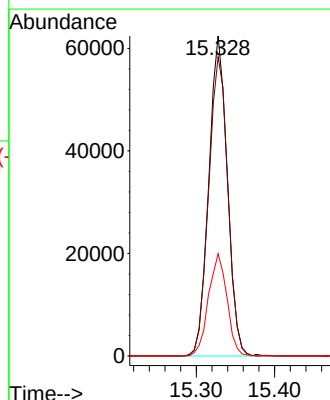
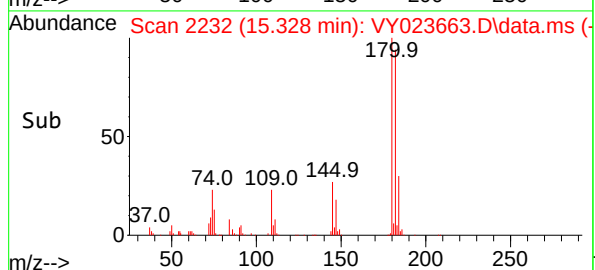
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.855 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023663.D
Acq: 04 Nov 2025 10:19



Tgt Ion:180 Resp: 102582
Ion Ratio Lower Upper
180 100
182 96.6 47.5 142.6
145 31.8 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023664.D
 Acq On : 04 Nov 2025 10:42
 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 :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:28:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	575867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	844654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	748313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	378927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	234526	47.743	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.480%		
35) Dibromofluoromethane	7.634	113	261509	49.542	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.080%		
50) Toluene-d8	10.109	98	1004143	51.068	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.140%		
62) 4-Bromofluorobenzene	12.401	95	327509	51.505	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	158310	41.880	ug/l	100
3) Chloromethane	2.074	50	237663	44.928	ug/l	100
4) Vinyl Chloride	2.208	62	315113	45.779	ug/l	100
5) Bromomethane	2.598	94	255339	44.099	ug/l	100
6) Chloroethane	2.739	64	222257	46.718	ug/l	100
7) Trichlorofluoromethane	3.062	101	448928	46.308	ug/l	100
8) Diethyl Ether	3.458	74	122314	47.049	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	249353	46.685	ug/l	100
10) Methyl Iodide	4.007	142	329865	52.300	ug/l	100
11) Tert butyl alcohol	4.866	59	65929	208.147	ug/l	100
12) 1,1-Dichloroethene	3.793	96	242599	47.151	ug/l	100
13) Acrolein	3.653	56	85009	208.809	ug/l	100
14) Allyl chloride	4.385	41	303471	48.458	ug/l	100
15) Acrylonitrile	5.061	53	234014	235.546	ug/l	100
16) Acetone	3.866	43	272077	222.826	ug/l	100
17) Carbon Disulfide	4.110	76	741781	46.973	ug/l	100
18) Methyl Acetate	4.385	43	121078	44.957	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	580730	48.676	ug/l	100
20) Methylene Chloride	4.616	84	264862	44.934	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	280571	48.364	ug/l	100
22) Diisopropyl ether	6.025	45	703596	50.420	ug/l	100
23) Vinyl Acetate	5.964	43	1877953	252.183	ug/l	100
24) 1,1-Dichloroethane	5.915	63	446287	48.007	ug/l	100
25) 2-Butanone	6.896	43	319404	226.250	ug/l	100
26) 2,2-Dichloropropane	6.890	77	408039	47.716	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	322689	48.703	ug/l	100
28) Bromochloromethane	7.244	49	167148	46.958	ug/l	100
29) Tetrahydrofuran	7.262	42	178179	236.990	ug/l	100
30) Chloroform	7.421	83	497055	47.921	ug/l	100
31) Cyclohexane	7.701	56	381239	47.090	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	442659	47.750	ug/l	100
36) 1,1-Dichloropropene	7.835	75	345431	48.973	ug/l	100
37) Ethyl Acetate	6.982	43	130827	47.912	ug/l	100
38) Carbon Tetrachloride	7.817	117	402944	48.486	ug/l	100
39) Methylcyclohexane	9.109	83	454885	50.473	ug/l	100
40) Benzene	8.079	78	1087048	48.893	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023664.D
 Acq On : 04 Nov 2025 10:42
 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 :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:28:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	71198	48.884	ug/l	100
42) 1,2-Dichloroethane	8.158	62	270723	48.130	ug/l	100
43) Isopropyl Acetate	8.195	43	249080	48.549	ug/l	100
44) Trichloroethene	8.866	130	308925	48.377	ug/l	100
45) 1,2-Dichloropropane	9.140	63	239811	48.873	ug/l	100
46) Dibromomethane	9.231	93	146001	48.022	ug/l	100
47) Bromodichloromethane	9.420	83	374866	48.904	ug/l	100
48) Methyl methacrylate	9.219	41	122935	50.717	ug/l	100
49) 1,4-Dioxane	9.231	88	30413	977.461	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	667795	244.757	ug/l	100
52) Toluene	10.170	92	721090	50.801	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	326566	50.350	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	391126	50.333	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	197468	48.601	ug/l	100
56) Ethyl methacrylate	10.438	69	233410	52.139	ug/l	100
57) 1,3-Dichloropropane	10.719	76	317296	49.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	538181	261.987	ug/l	100
59) 2-Hexanone	10.762	43	483563	242.927	ug/l	100
60) Dibromochloromethane	10.908	129	275217	49.299	ug/l	100
61) 1,2-Dibromoethane	11.011	107	187108	49.070	ug/l	100
64) Tetrachloroethene	10.646	164	383425	49.228	ug/l	100
65) Chlorobenzene	11.438	112	798384	49.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	282049	48.962	ug/l	100
67) Ethyl Benzene	11.517	91	1352193	51.285	ug/l	100
68) m/p-Xylenes	11.627	106	1088606	103.340	ug/l	100
69) o-Xylene	11.956	106	504648	51.824	ug/l	100
70) Styrene	11.969	104	838808	52.208	ug/l	100
71) Bromoform	12.133	173	163771	48.678	ug/l	100
73) Isopropylbenzene	12.255	105	1311582	51.752	ug/l	100
74) N-amyl acetate	12.066	43	218665	50.962	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	190486	47.061	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	141409m	46.111	ug/l	100
77) Bromobenzene	12.530	156	326732	49.702	ug/l	100
78) n-propylbenzene	12.597	91	1548019	51.929	ug/l	100
79) 2-Chlorotoluene	12.676	91	881152	50.938	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1073705	52.144	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	65310	48.129	ug/l	100
82) 4-Chlorotoluene	12.773	91	904469	50.699	ug/l	100
83) tert-Butylbenzene	12.993	119	969322	51.686	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1068009	52.367	ug/l	100
85) sec-Butylbenzene	13.176	105	1392655	51.485	ug/l	100
86) p-Isopropyltoluene	13.292	119	1199869	52.399	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	641830	49.605	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	625847	49.241	ug/l	100
89) n-Butylbenzene	13.615	91	1042799	52.370	ug/l	100
90) Hexachloroethane	13.877	117	242026	49.183	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	550837	49.400	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28889	46.355	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	323218	50.677	ug/l	100
94) Hexachlorobutadiene	15.023	225	209077	50.032	ug/l	100
95) Naphthalene	15.145	128	491886	44.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	271777	51.002	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023664.D
Acq On : 04 Nov 2025 10:42
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 :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 2025
Response via : Initial Calibration

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

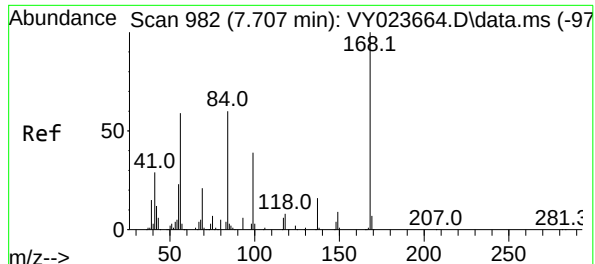
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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





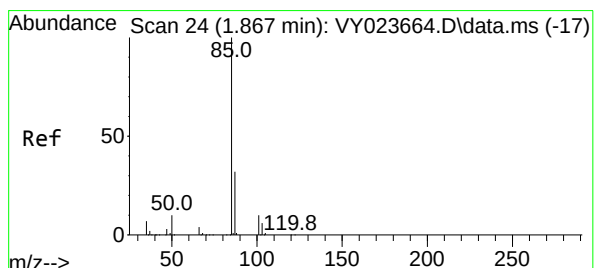
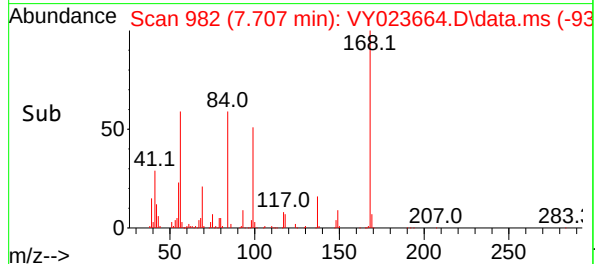
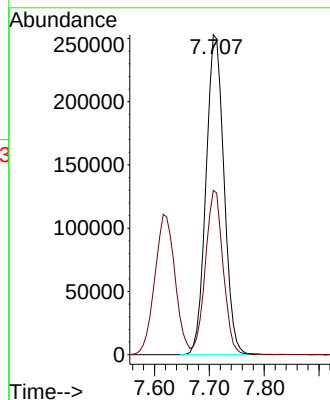
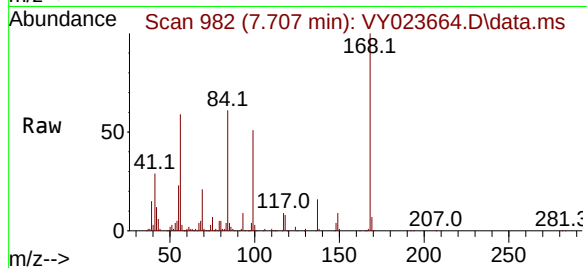
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 57586
Ion Ratio Lower Upper
168 100
99 51.2 41.0 61.4

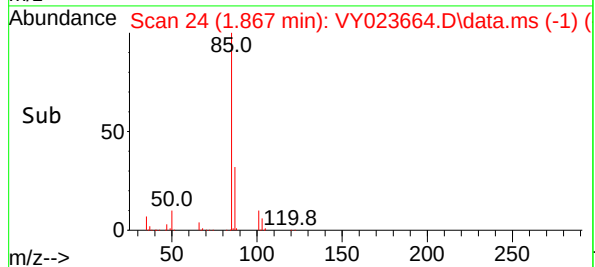
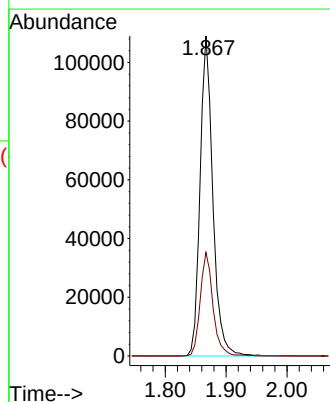
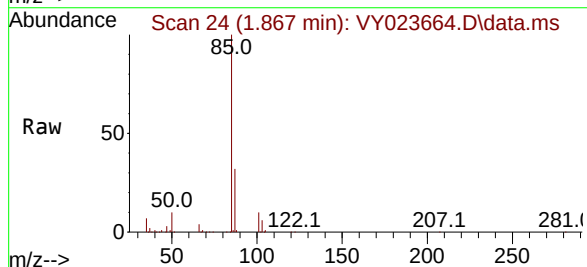
Manual Integrations
APPROVED

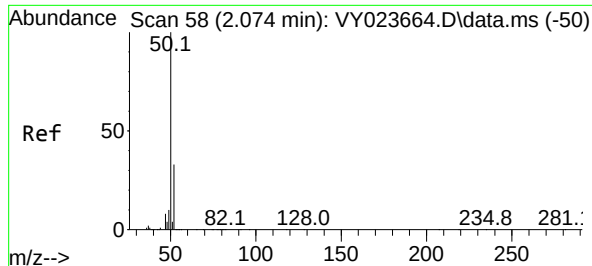
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 41.880 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

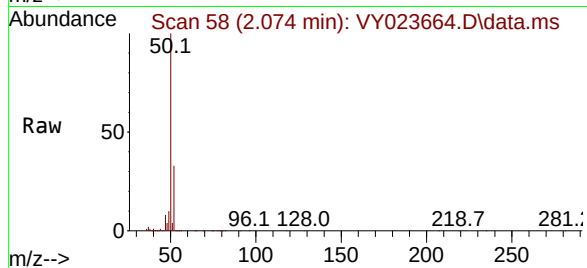
Tgt Ion: 85 Resp: 158310
Ion Ratio Lower Upper
85 100
87 32.4 16.2 48.6





#3
Chloromethane
Concen: 44.928 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

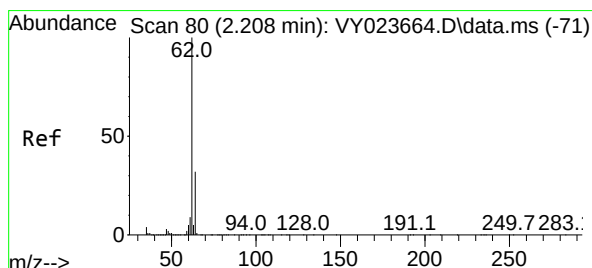
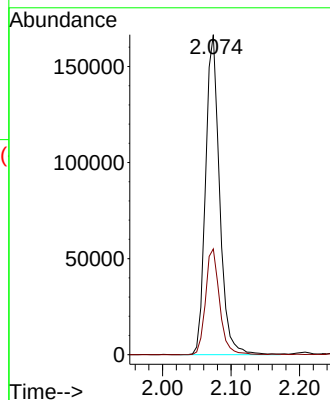
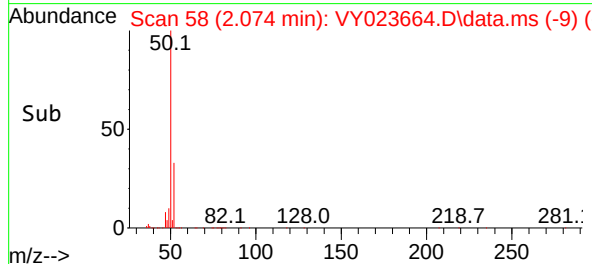
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



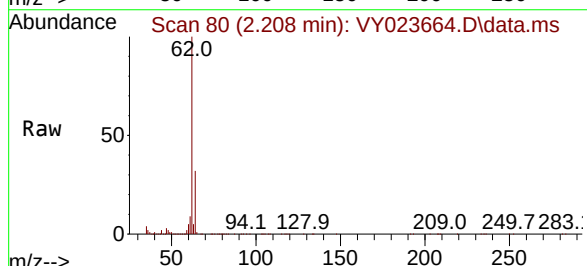
Tgt Ion: 50 Resp: 237663
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7

Manual Integrations
APPROVED

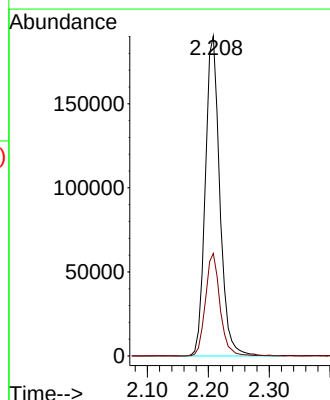
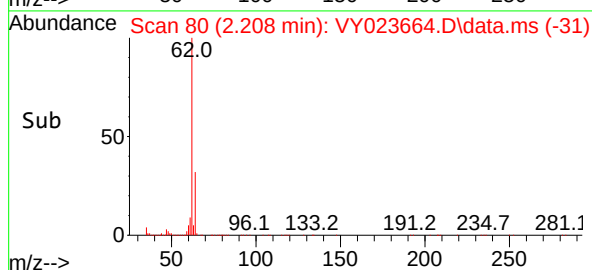
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

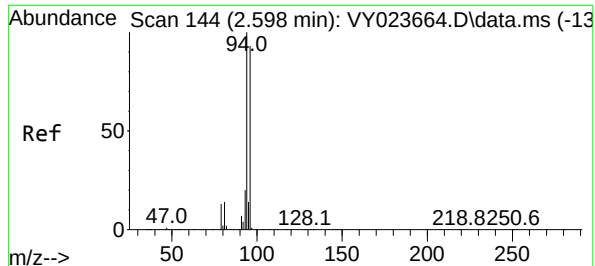


#4
Vinyl Chloride
Concen: 45.779 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



Tgt Ion: 62 Resp: 315113
Ion Ratio Lower Upper
62 100
64 32.1 25.7 38.5





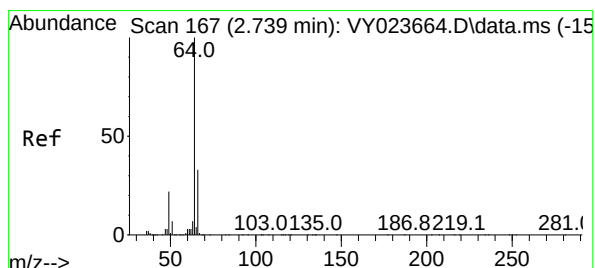
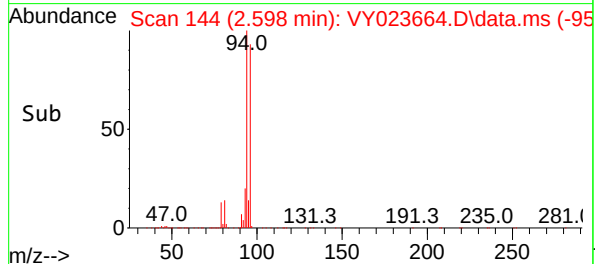
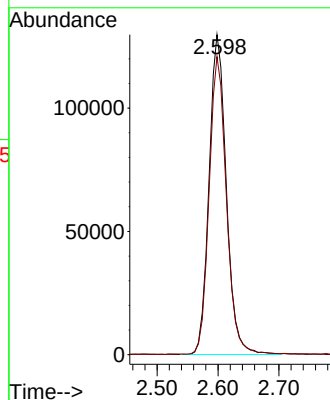
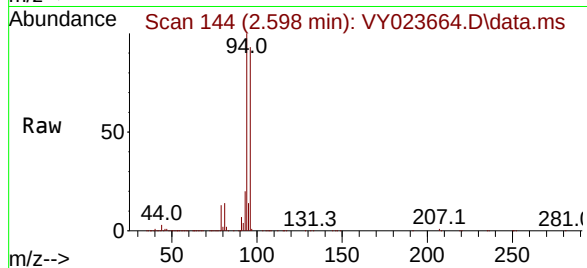
#5
Bromomethane
Concen: 44.099 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 255339
Ion Ratio Lower Upper
94 100
96 93.0 74.4 111.6

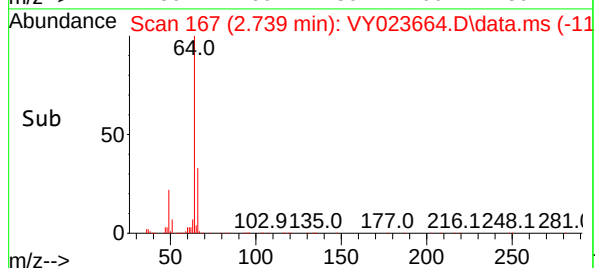
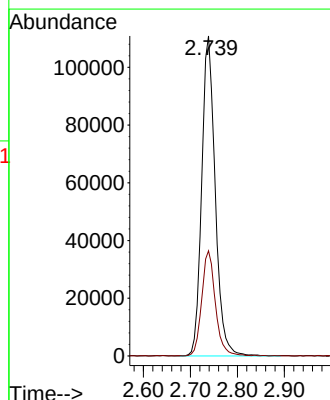
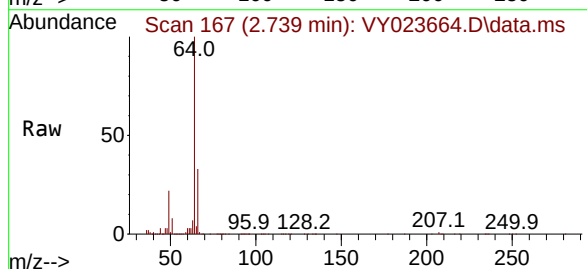
Manual Integrations
APPROVED

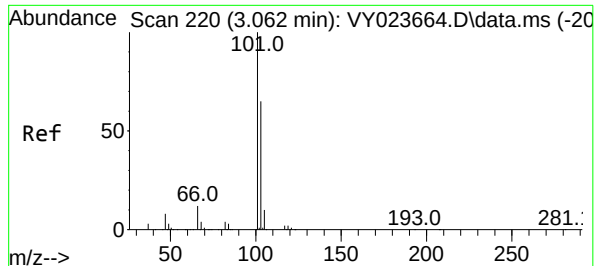
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 46.718 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

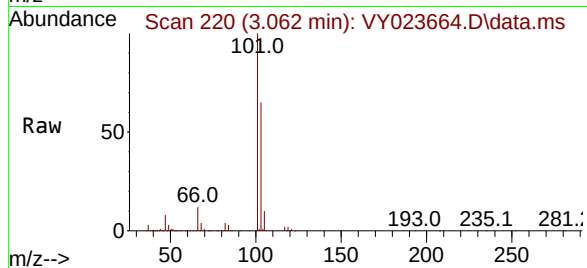
Tgt Ion: 64 Resp: 222257
Ion Ratio Lower Upper
64 100
66 32.8 26.2 39.4





#7
Trichlorofluoromethane
Concen: 46.308 ug/l
RT: 3.062 min Scan# 220
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

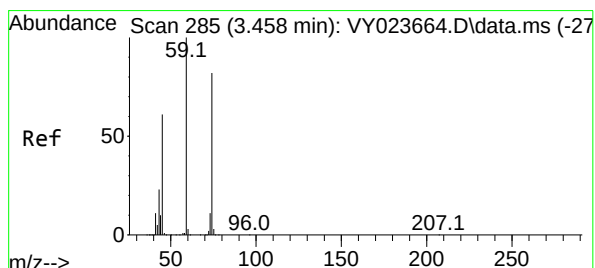
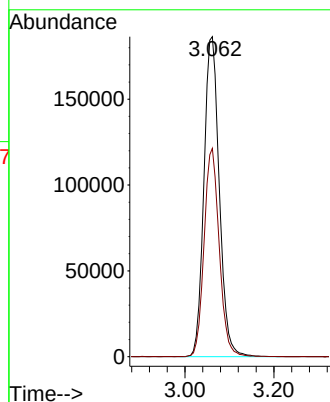
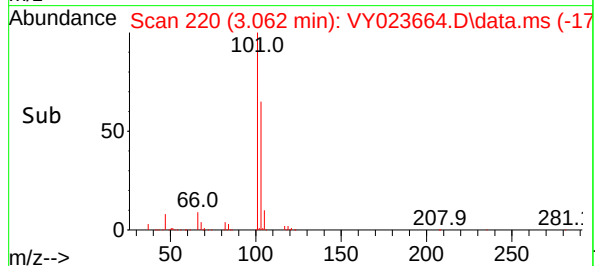
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 448928
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

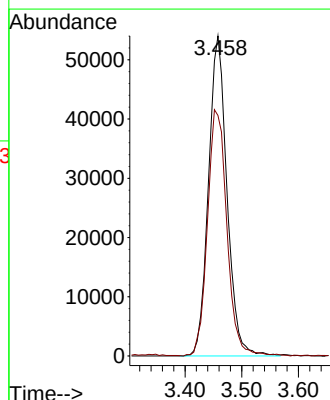
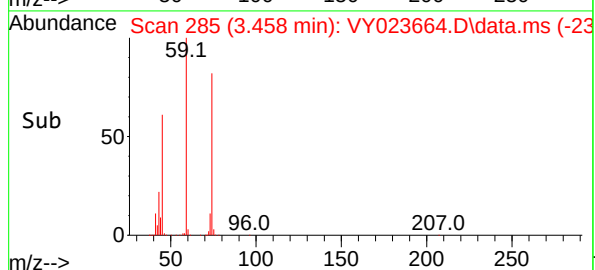
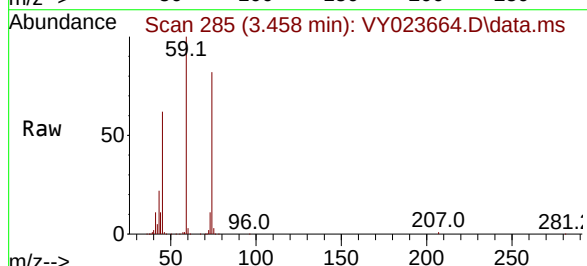
Manual Integrations
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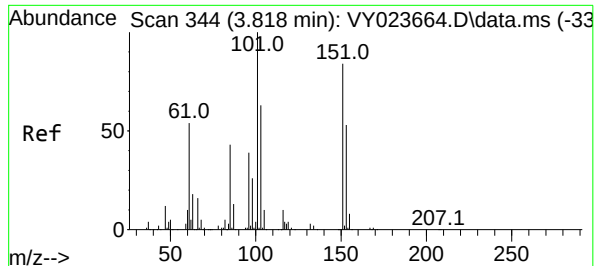
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 47.049 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 74 Resp: 122314
Ion Ratio Lower Upper
74 100
45 81.1 40.6 121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.685 ug/l

RT: 3.818 min Scan# 344

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 24935

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

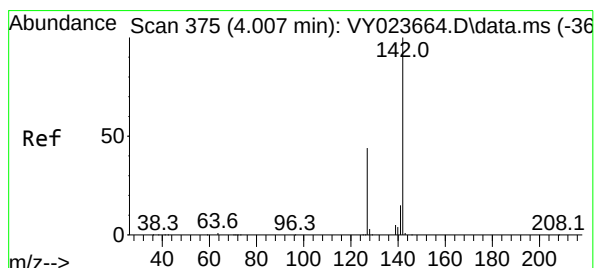
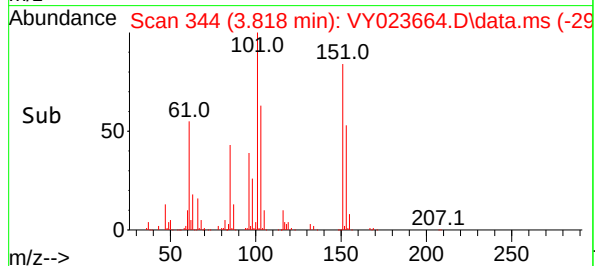
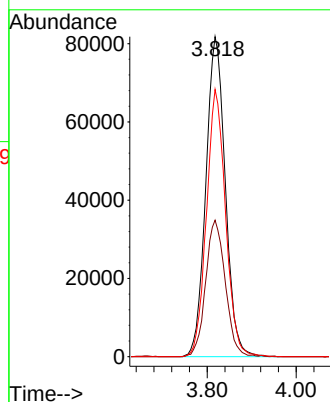
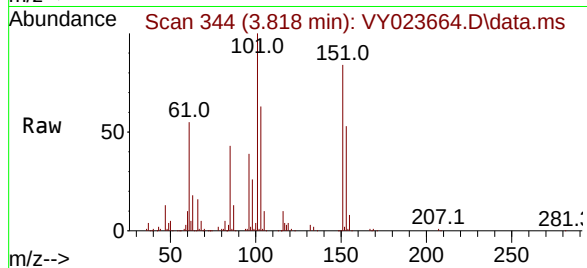
151 82.0 65.6 98.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#10

Methyl Iodide

Concen: 52.300 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

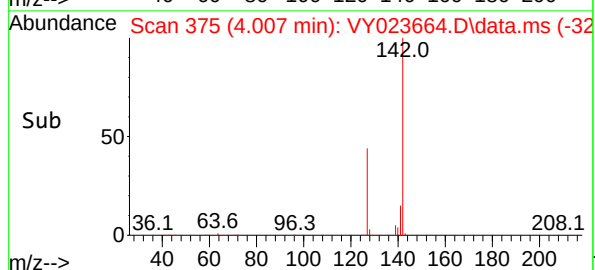
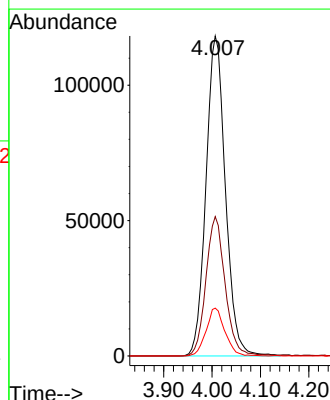
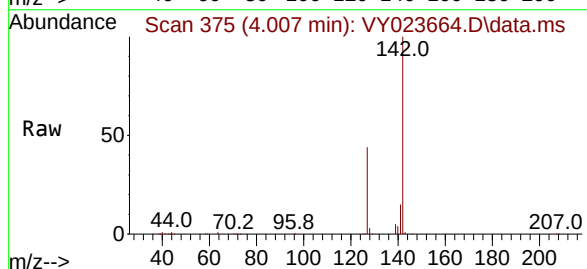
Tgt Ion:142 Resp: 329865

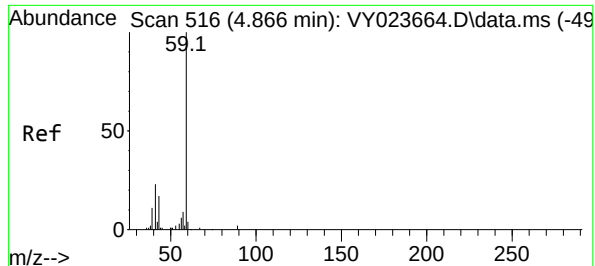
Ion Ratio Lower Upper

142 100

127 43.2 34.6 51.8

141 14.5 11.6 17.4





#11

Tert butyl alcohol

Concen: 208.147 ug/l

RT: 4.866 min Scan# 516

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 65929

Ion Ratio Lower Upper

59 100

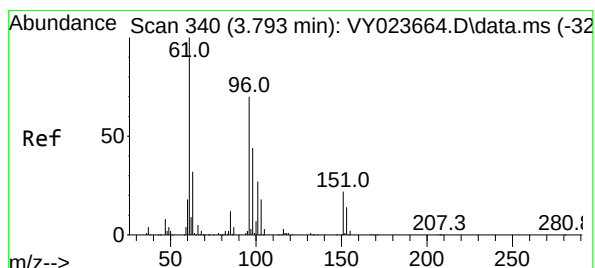
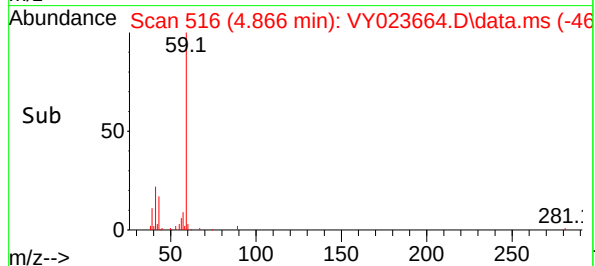
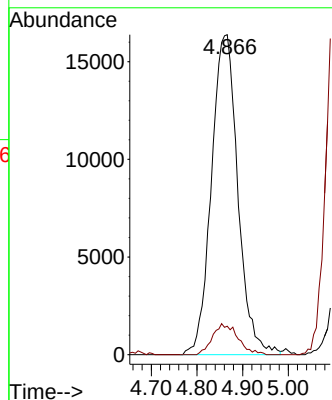
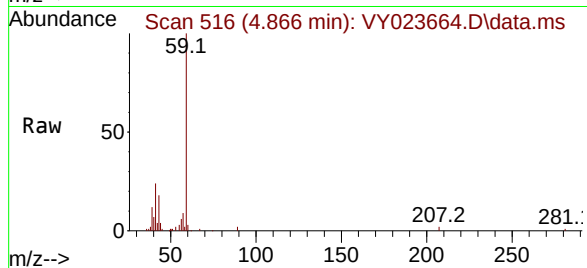
57 9.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 47.151 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

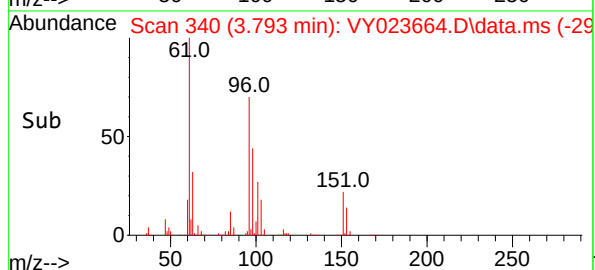
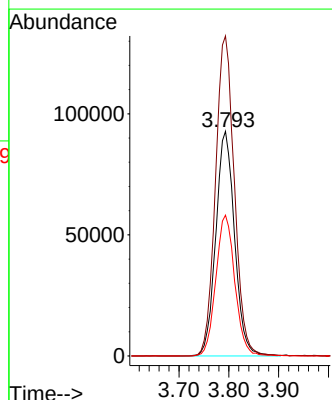
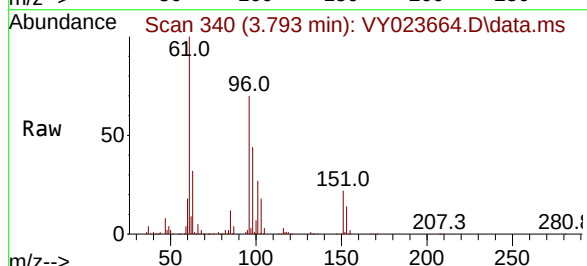
Tgt Ion: 96 Resp: 242599

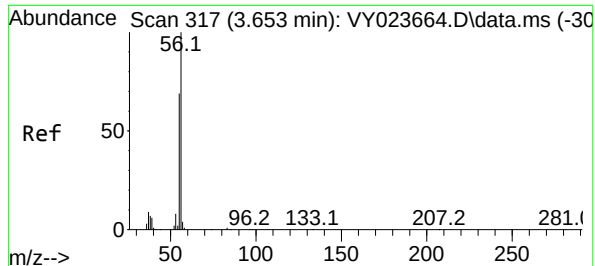
Ion Ratio Lower Upper

96 100

61 142.5 114.0 171.0

98 62.7 50.2 75.2





#13

Acrolein

Concen: 208.809 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 85009

Ion Ratio Lower Upper

56 100

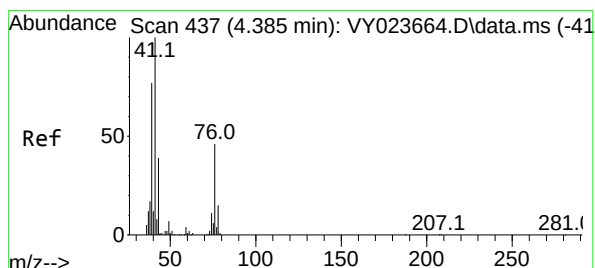
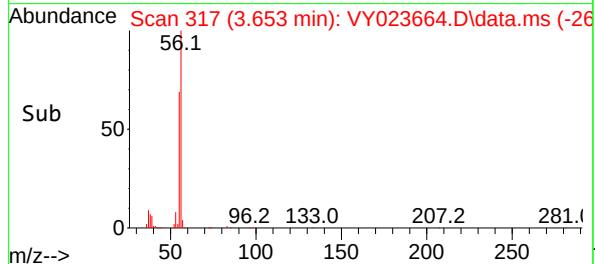
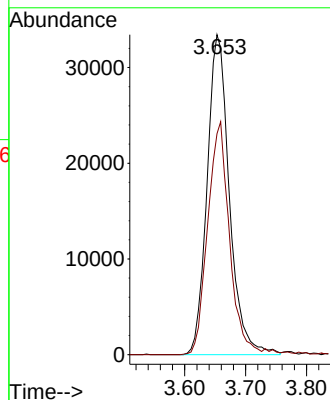
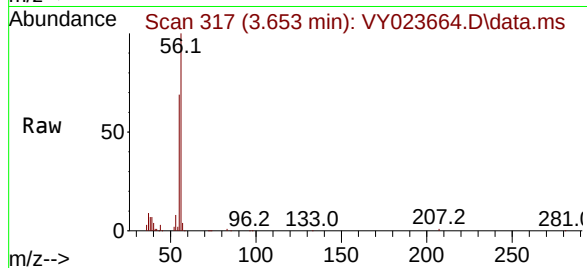
55 70.7 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 48.458 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

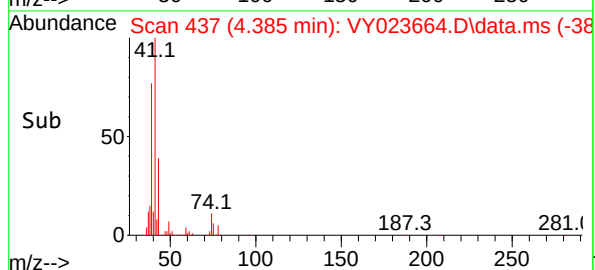
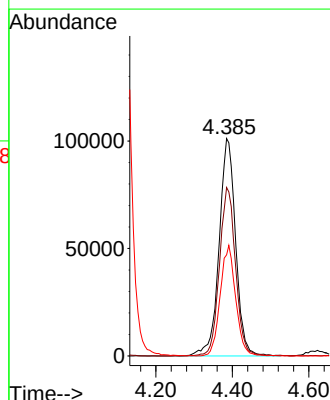
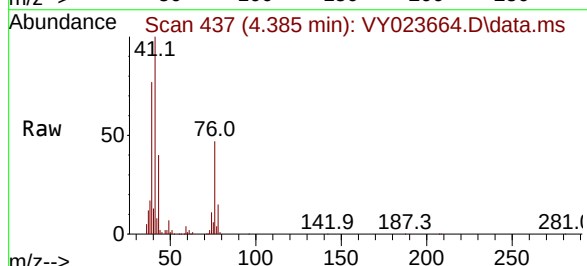
Tgt Ion: 41 Resp: 303471

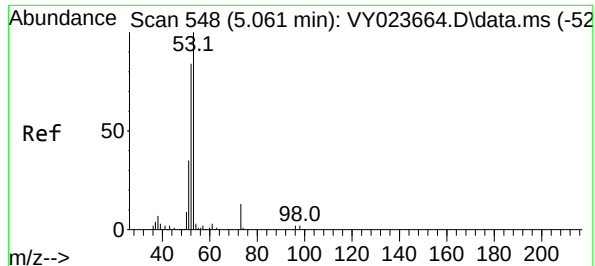
Ion Ratio Lower Upper

41 100

39 75.5 60.4 90.6

76 47.5 38.0 57.0





#15

Acrylonitrile

Concen: 235.546 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 234014

Ion Ratio Lower Upper

53 100

52 81.1 64.9 97.3

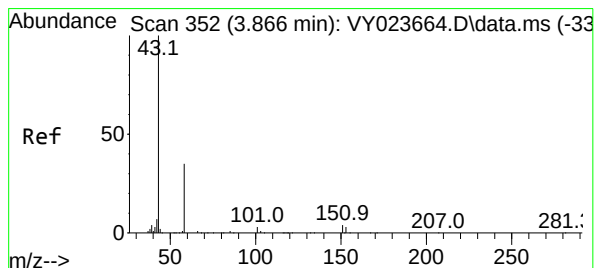
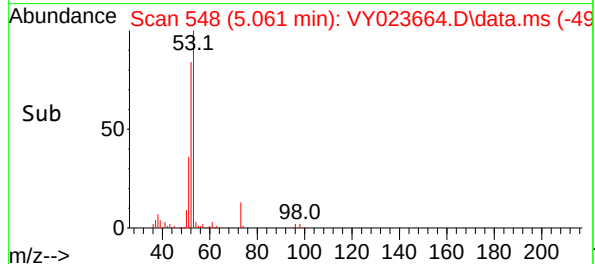
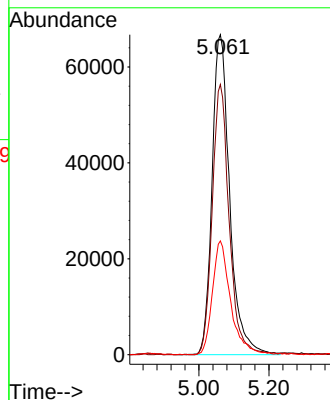
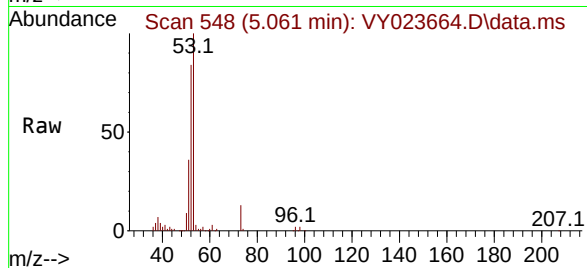
51 36.7 29.4 44.0

Manual Integrations

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Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 222.826 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023664.D

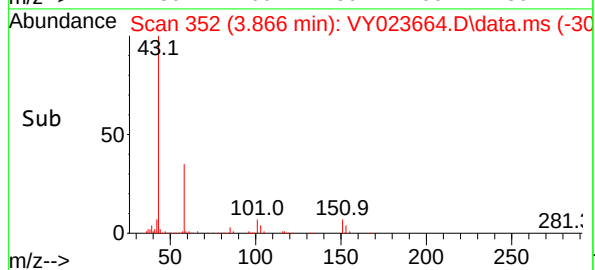
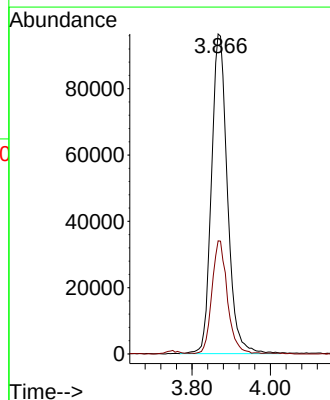
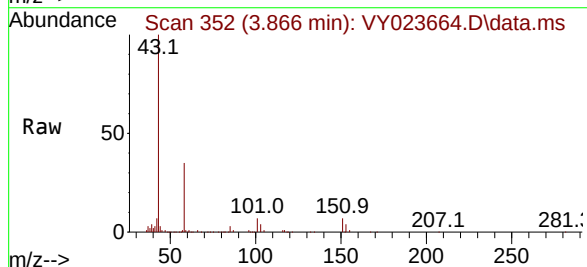
Acq: 04 Nov 2025 10:42

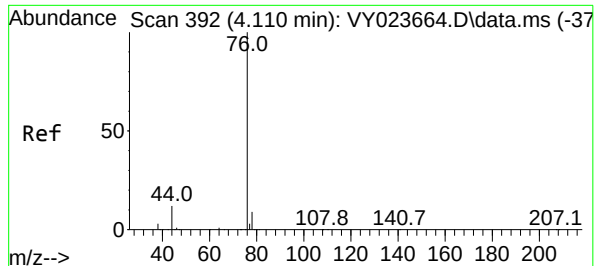
Tgt Ion: 43 Resp: 272077

Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.4





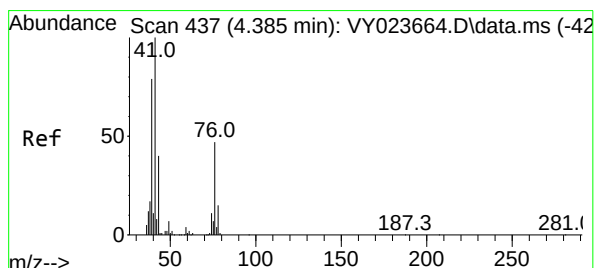
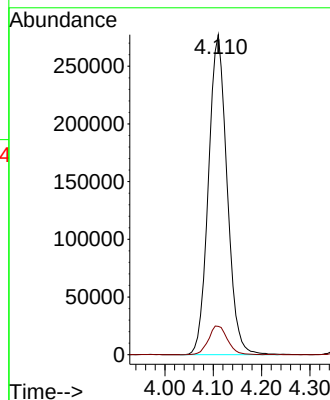
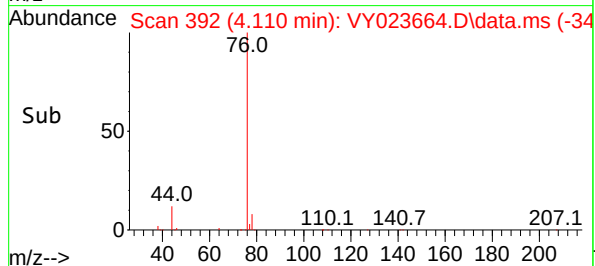
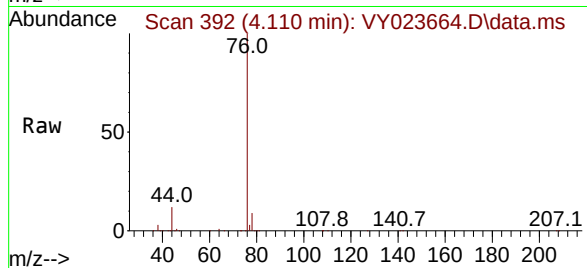
#17
Carbon Disulfide
Concen: 46.973 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 74178
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

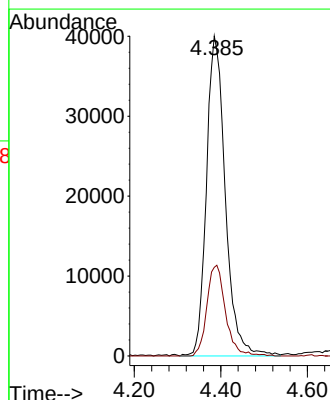
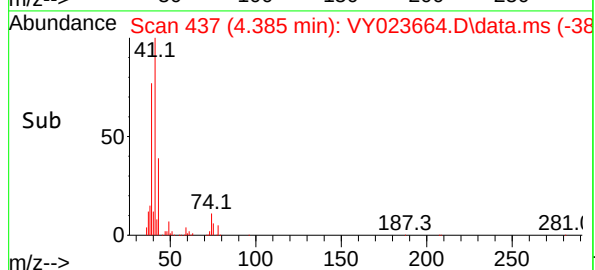
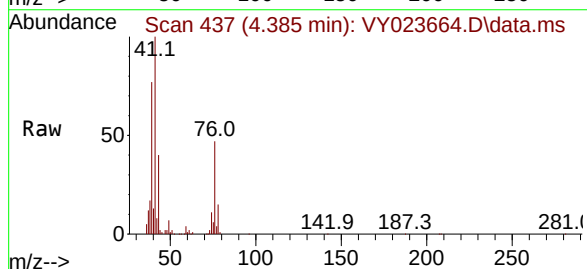
Manual Integrations
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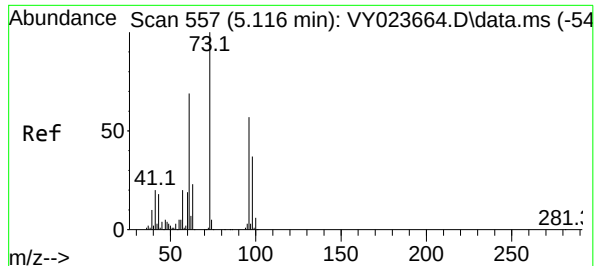
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#18
Methyl Acetate
Concen: 44.957 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 43 Resp: 121078
Ion Ratio Lower Upper
43 100
74 28.1 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 48.676 ug/l

RT: 5.116 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 580730

Ion Ratio Lower Upper

73 100

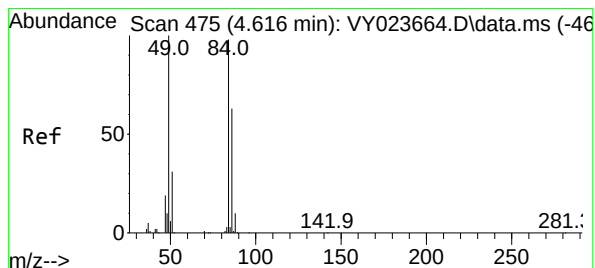
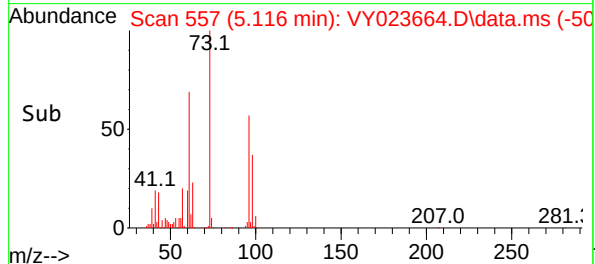
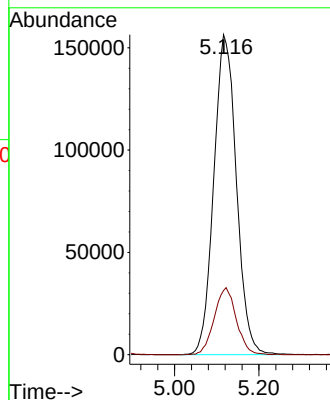
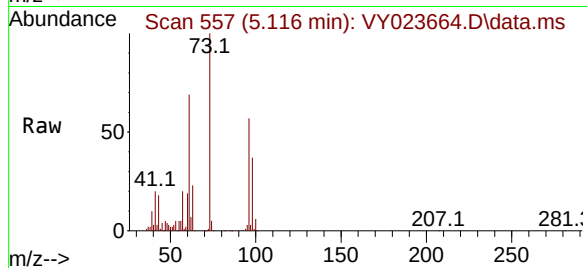
57 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 44.934 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Tgt Ion: 84 Resp: 264862

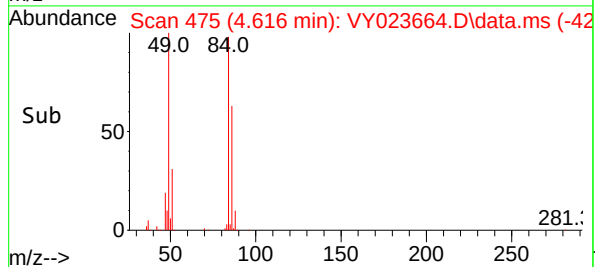
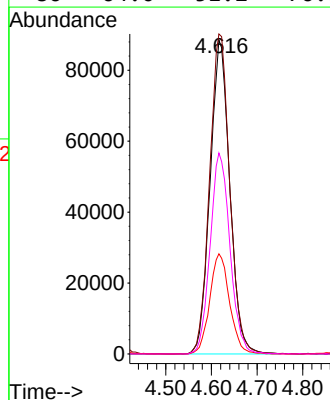
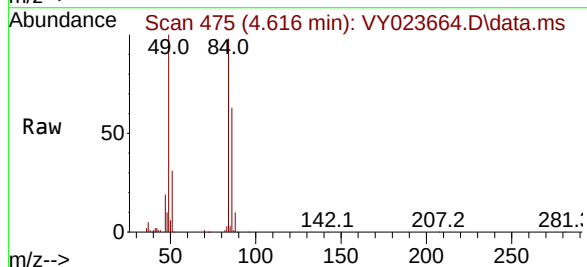
Ion Ratio Lower Upper

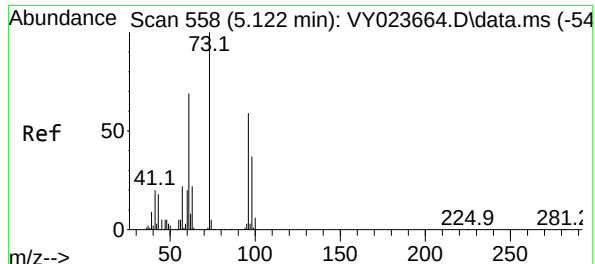
84 100

49 101.9 81.5 122.3

51 31.9 25.5 38.3

86 64.0 51.2 76.8





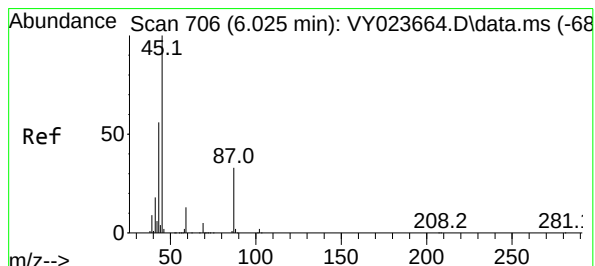
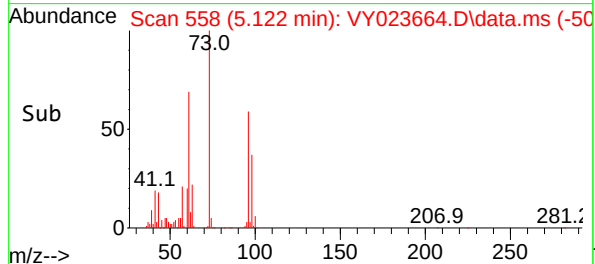
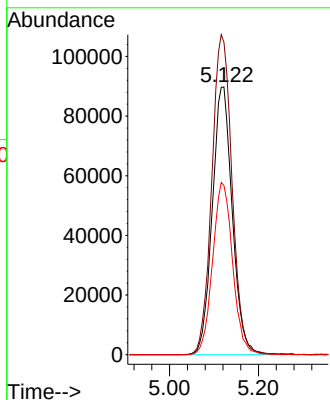
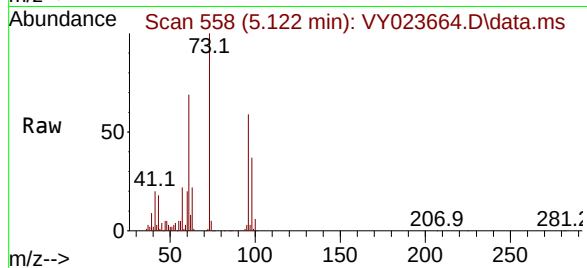
#21
trans-1,2-Dichloroethene
Concen: 48.364 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 28057
Ion Ratio Lower Upper
96 100
61 116.6 93.3 139.9
98 63.2 50.6 75.8

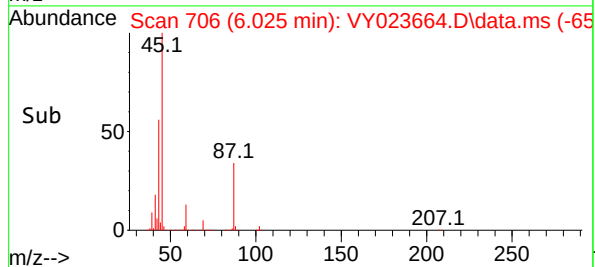
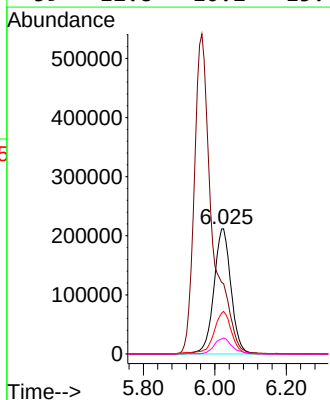
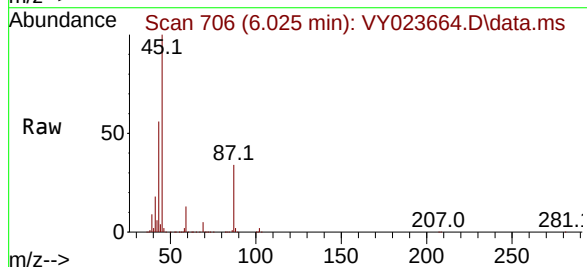
Manual Integrations
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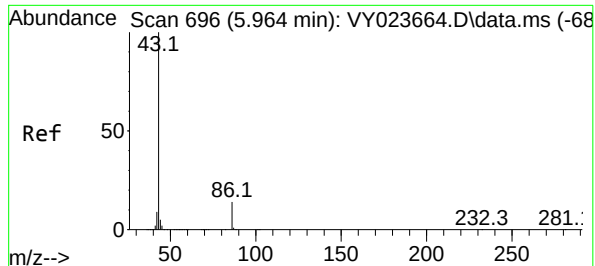
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#22
Diisopropyl ether
Concen: 50.420 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 45 Resp: 703596
Ion Ratio Lower Upper
45 100
43 55.9 44.7 67.1
87 34.0 27.2 40.8
59 12.8 10.2 15.4





#23

Vinyl Acetate

Concen: 252.183 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 187795

Ion Ratio Lower Upper

43 100

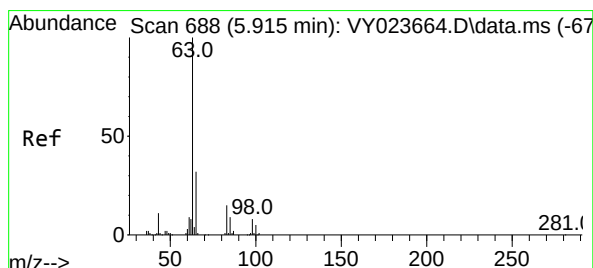
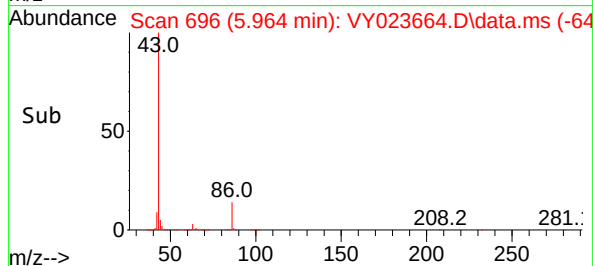
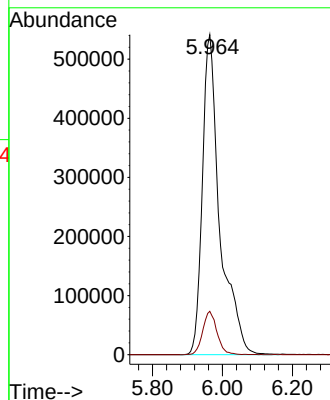
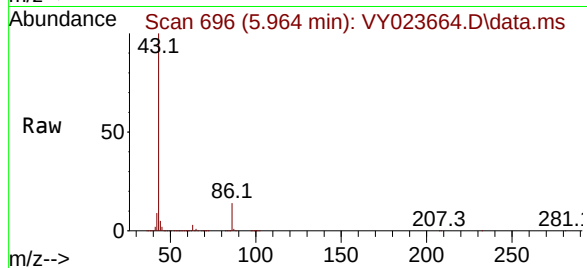
86 13.6 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 48.007 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

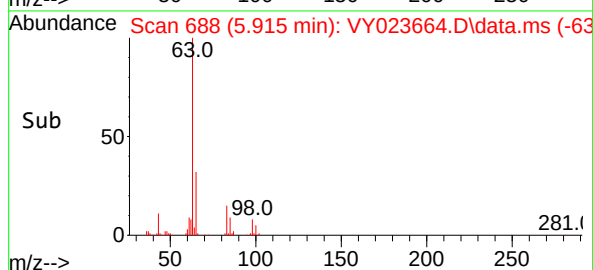
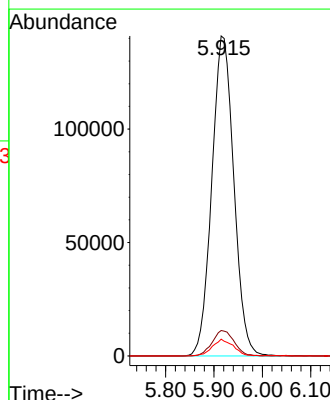
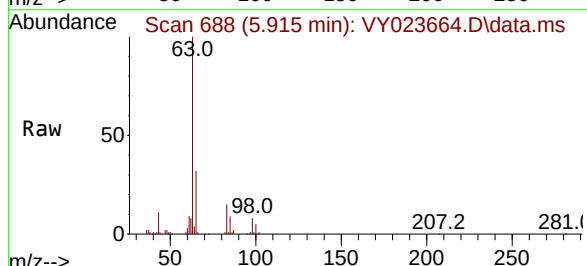
Tgt Ion: 63 Resp: 446287

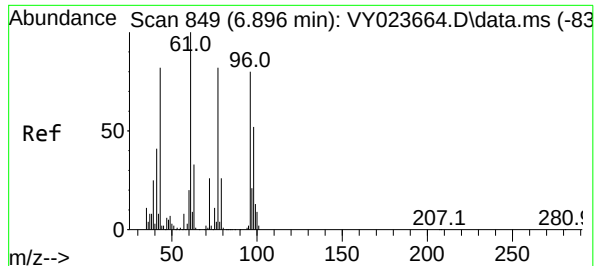
Ion Ratio Lower Upper

63 100

98 7.9 4.0 11.9

100 5.2 2.6 7.8





#25

2-Butanone

Concen: 226.250 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 319404

Ion Ratio Lower Upper

43 100

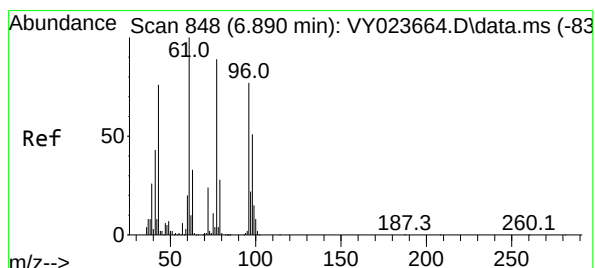
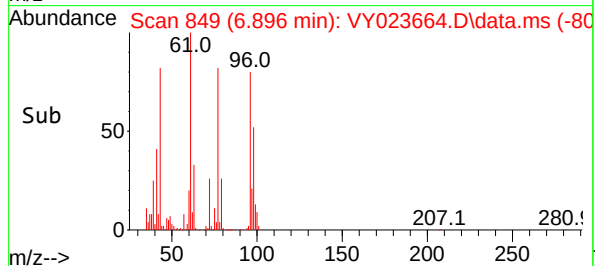
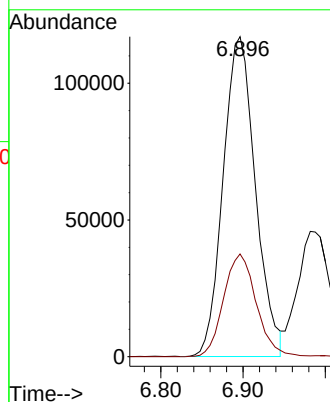
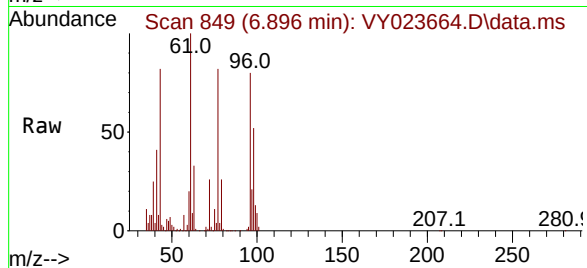
72 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 47.716 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023664.D

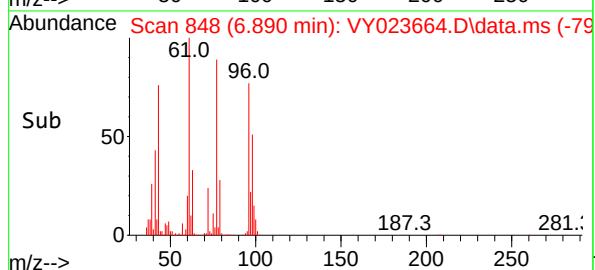
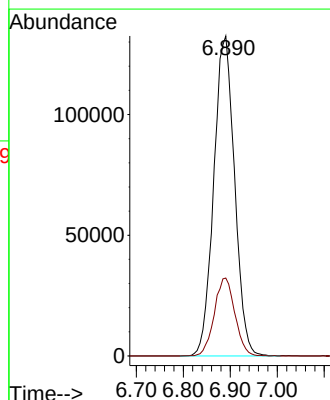
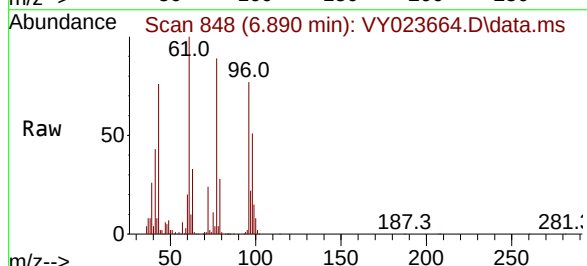
Acq: 04 Nov 2025 10:42

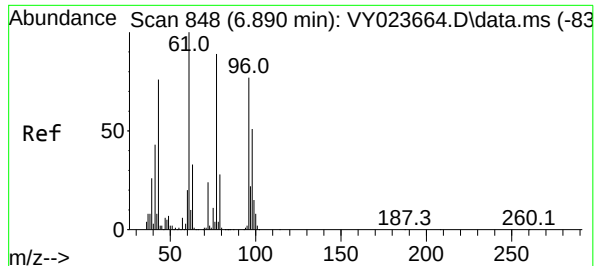
Tgt Ion: 77 Resp: 408039

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 48.703 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 322689

Ion Ratio Lower Upper

96 100

61 127.5 0.0 255.0

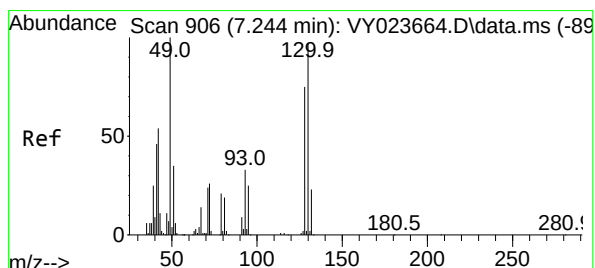
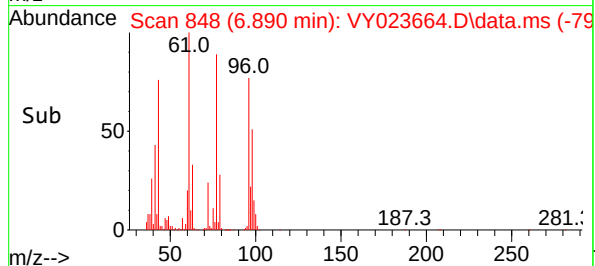
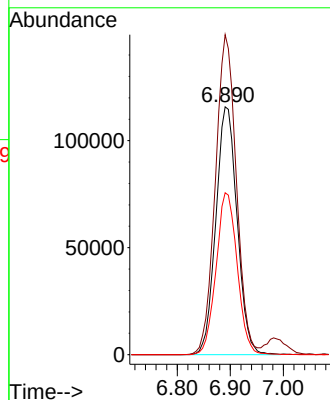
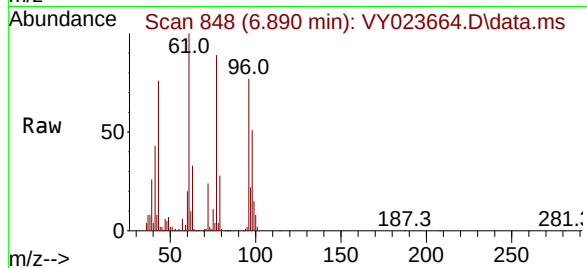
98 64.9 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 46.958 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

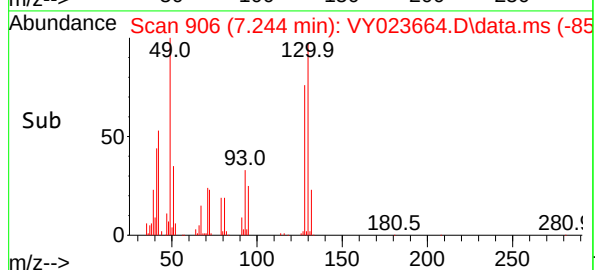
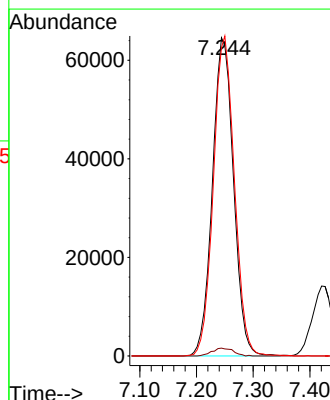
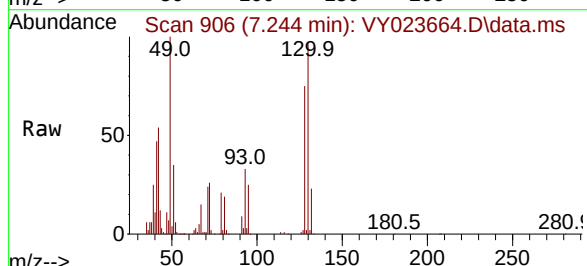
Tgt Ion: 49 Resp: 167148

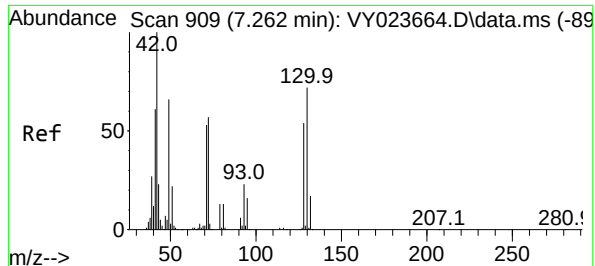
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 100.1 80.1 120.1





#29

Tetrahydrofuran

Concen: 236.990 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 178179

Ion Ratio Lower Upper

42 100

72 54.3 43.4 65.2

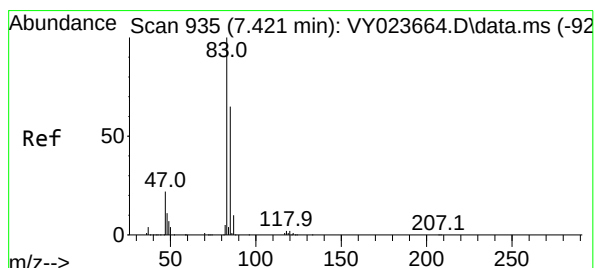
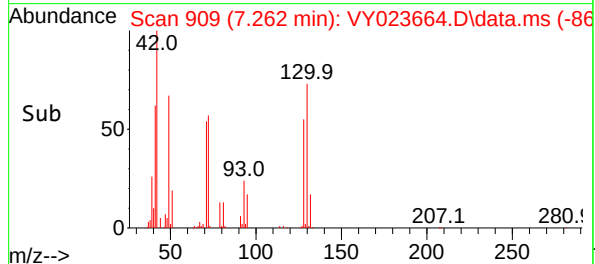
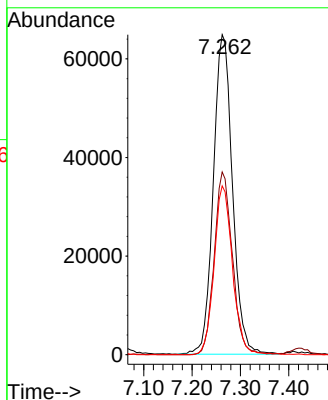
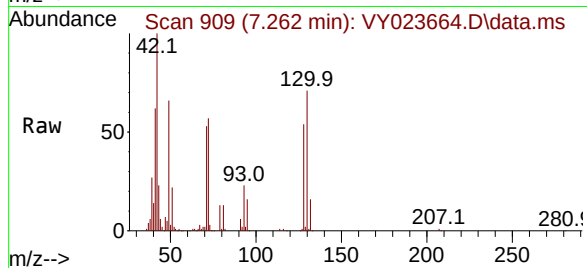
71 50.9 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 47.921 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023664.D

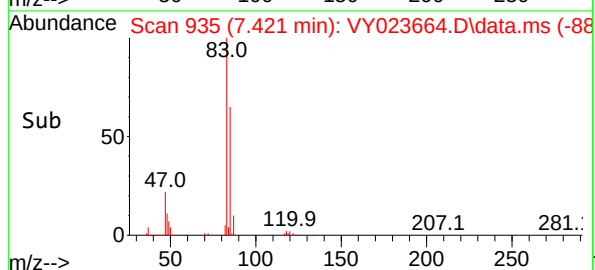
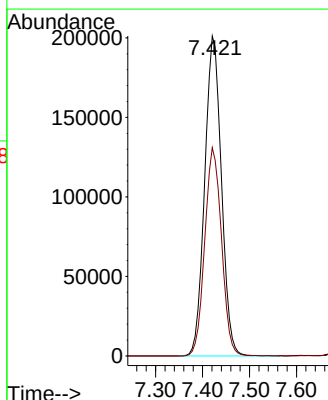
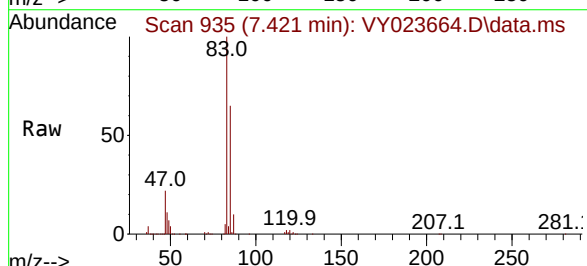
Acq: 04 Nov 2025 10:42

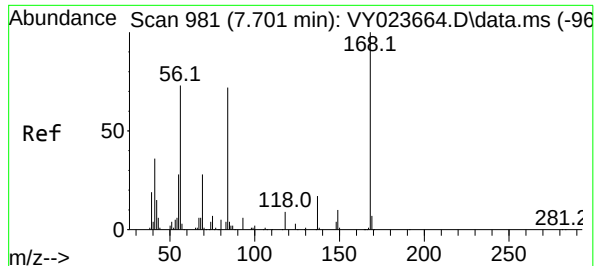
Tgt Ion: 83 Resp: 497055

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 47.090 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 381239

Ion Ratio Lower Upper

56 100

69 38.1 30.5 45.7

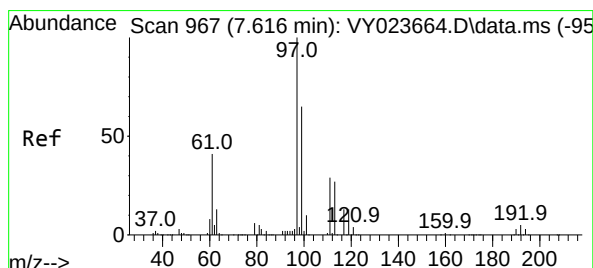
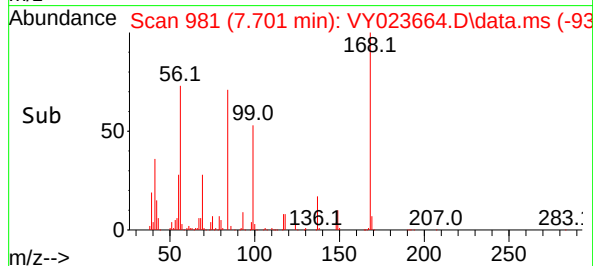
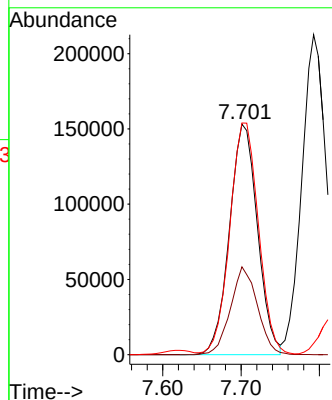
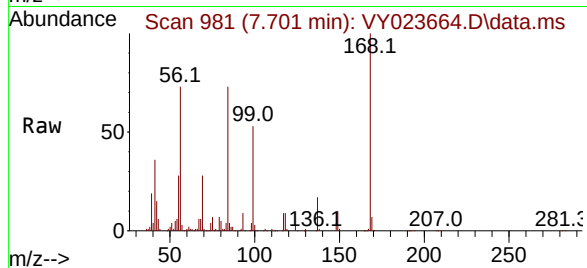
84 98.7 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 47.750 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

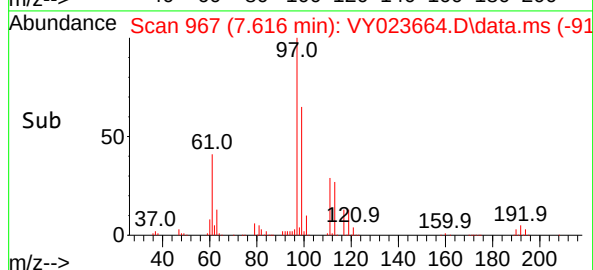
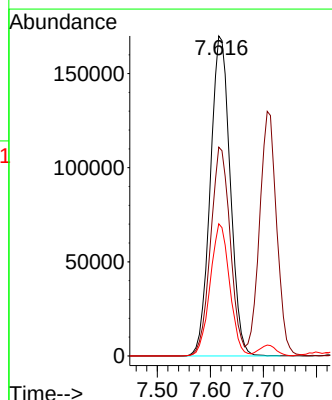
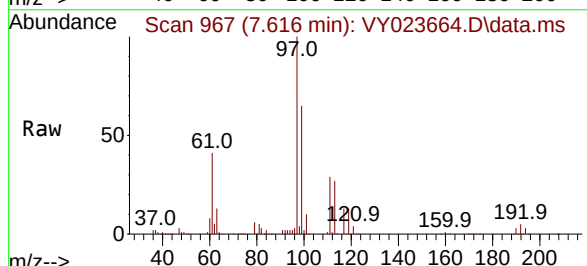
Tgt Ion: 97 Resp: 442659

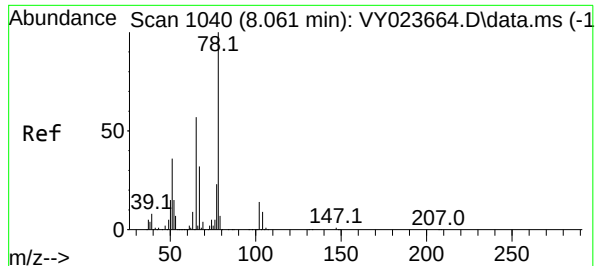
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 40.6 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 47.743 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 234520

Ion Ratio Lower Upper

65 100

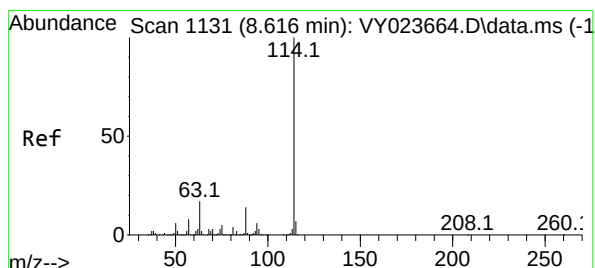
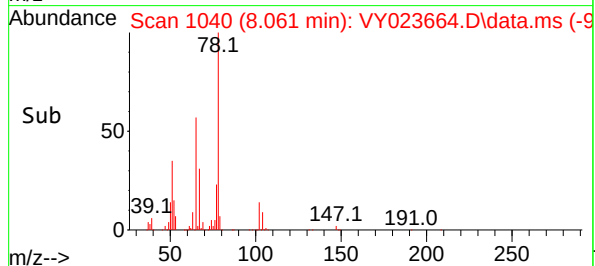
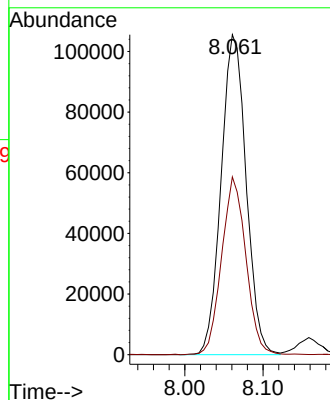
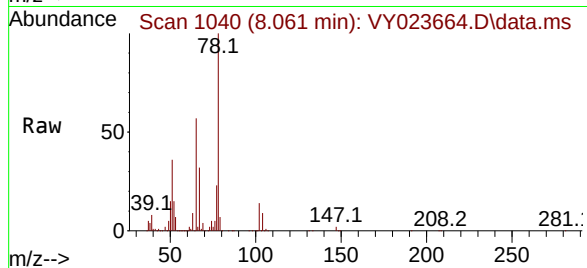
67 53.7 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

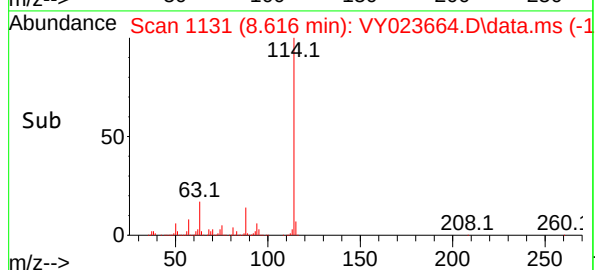
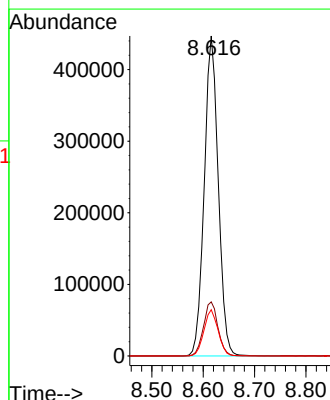
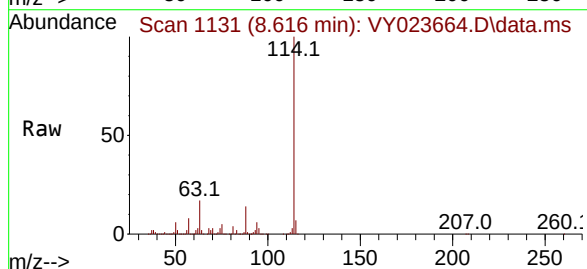
Tgt Ion:114 Resp: 844654

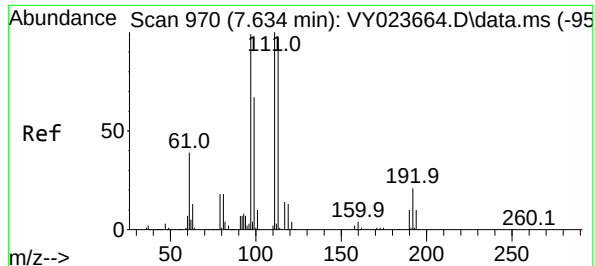
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.8

88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.542 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 261509

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

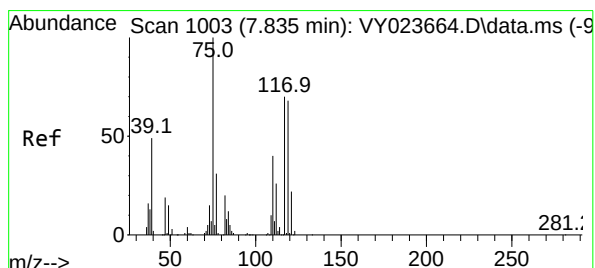
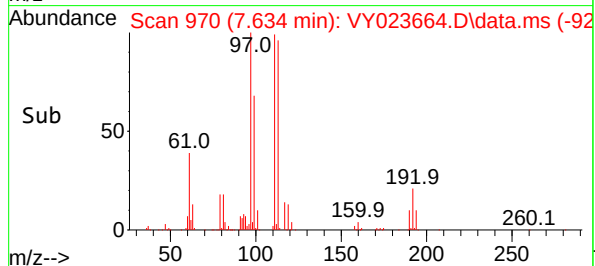
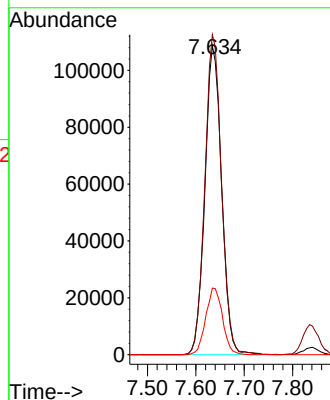
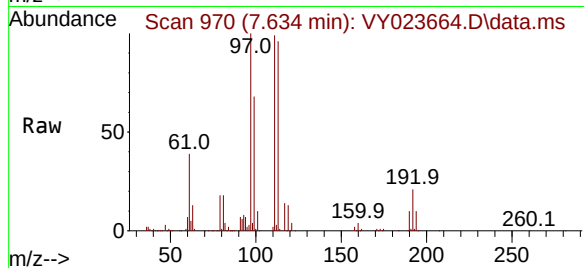
192 21.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 48.973 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

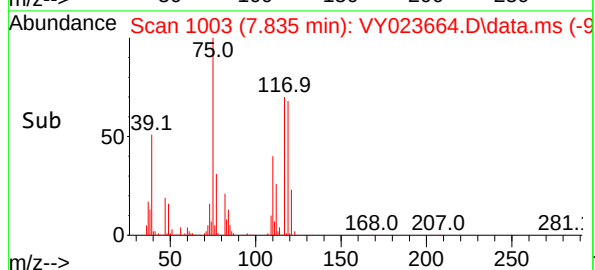
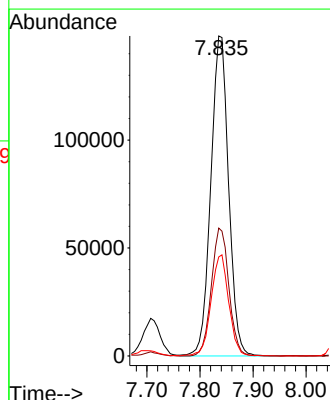
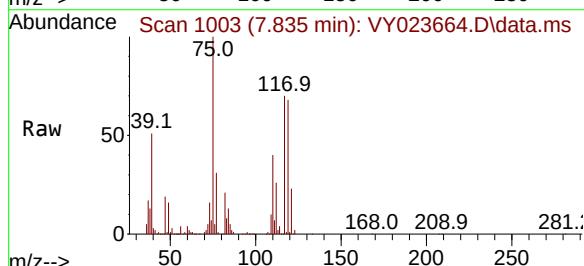
Tgt Ion: 75 Resp: 345431

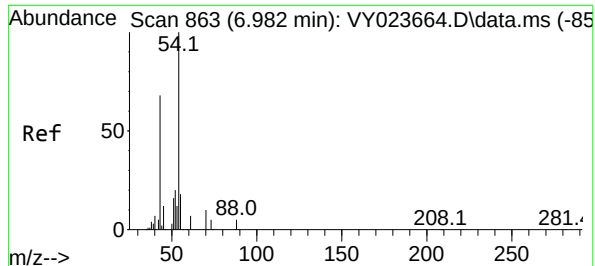
Ion Ratio Lower Upper

75 100

110 39.3 19.7 59.0

77 31.5 25.2 37.8





#37

Ethyl Acetate

Concen: 47.912 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 13082

Ion Ratio Lower Upper

43 100

61 15.5 12.4 18.6

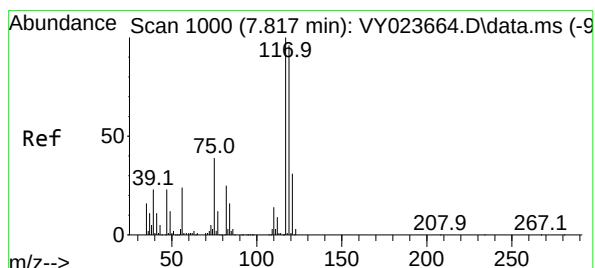
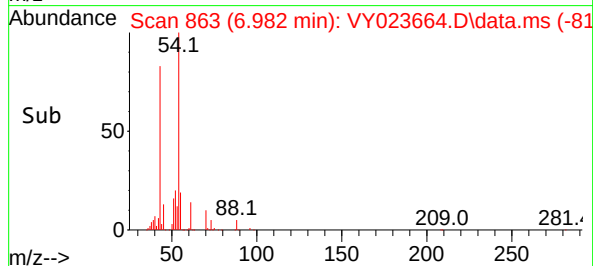
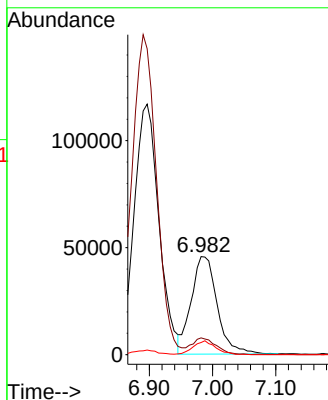
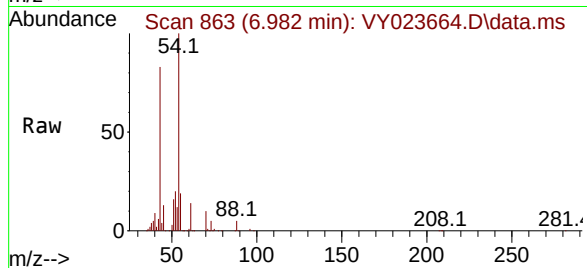
70 12.3 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 48.486 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

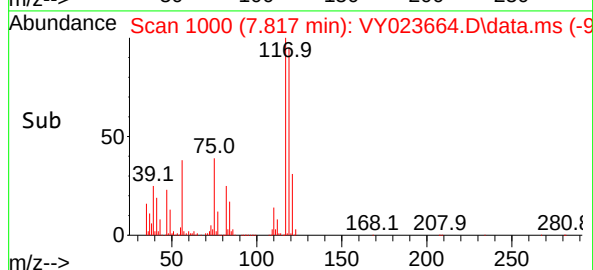
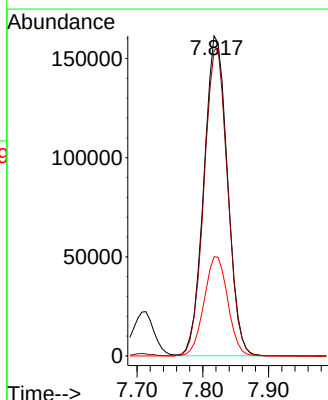
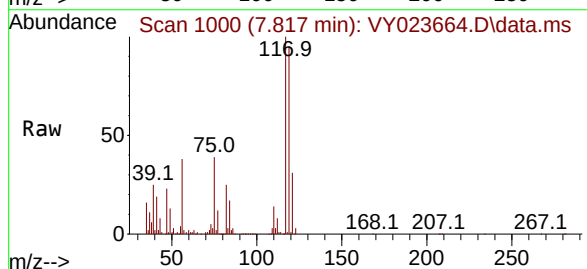
Tgt Ion:117 Resp: 402944

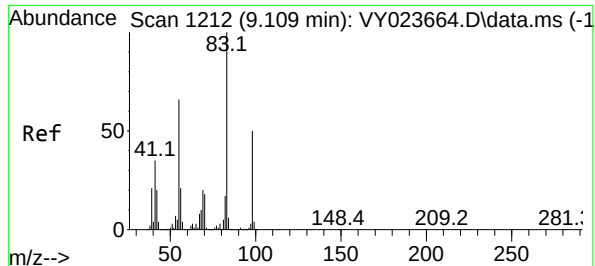
Ion Ratio Lower Upper

117 100

119 95.4 76.3 114.5

121 31.0 24.8 37.2





#39

Methylcyclohexane

Concen: 50.473 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 45488

Ion Ratio Lower Upper

83 100

55 65.7 52.6 78.8

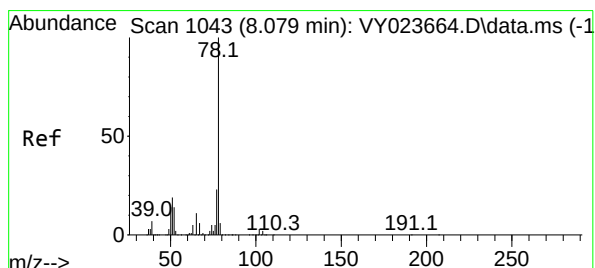
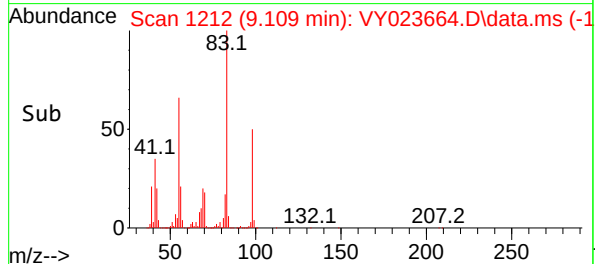
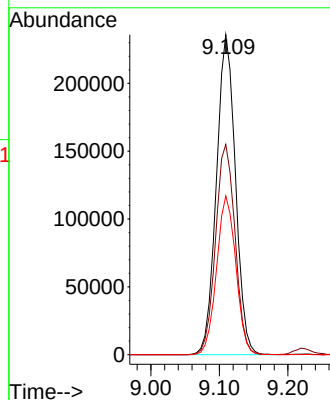
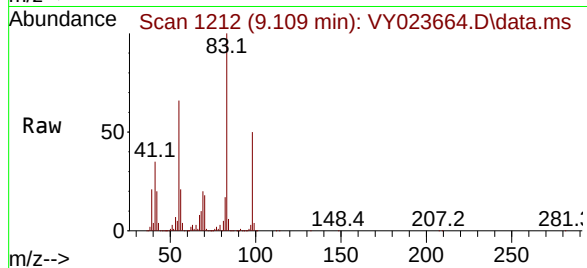
98 49.6 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 48.893 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023664.D

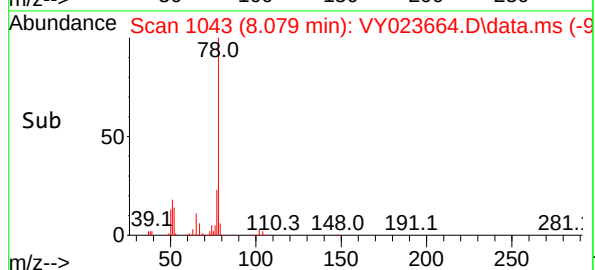
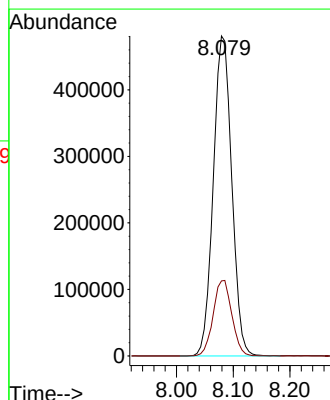
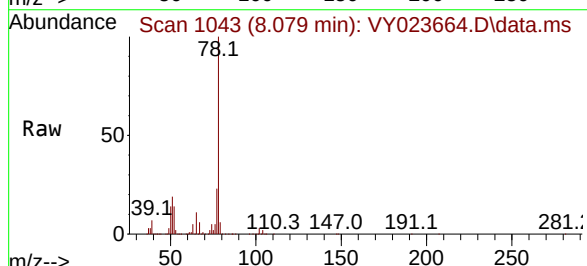
Acq: 04 Nov 2025 10:42

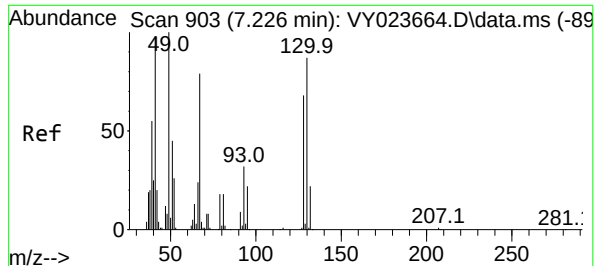
Tgt Ion: 78 Resp: 1087048

Ion Ratio Lower Upper

78 100

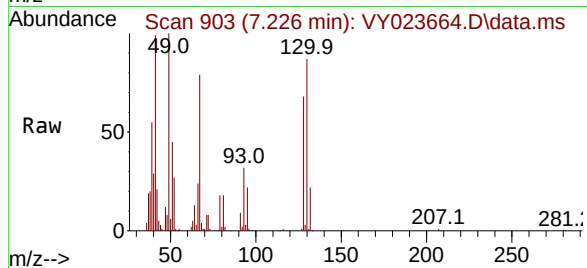
77 23.5 18.8 28.2





#41
Methacrylonitrile
Concen: 48.884 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

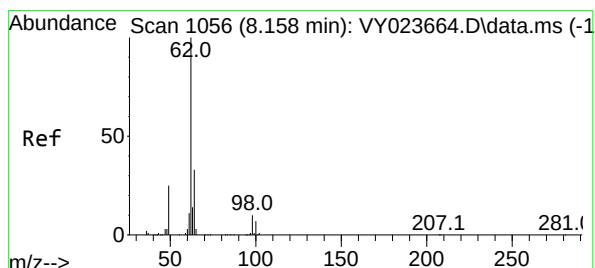
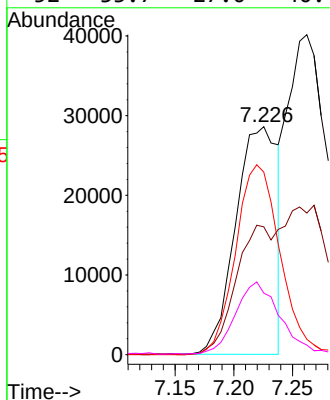
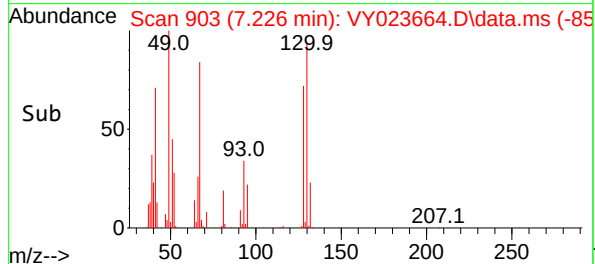
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



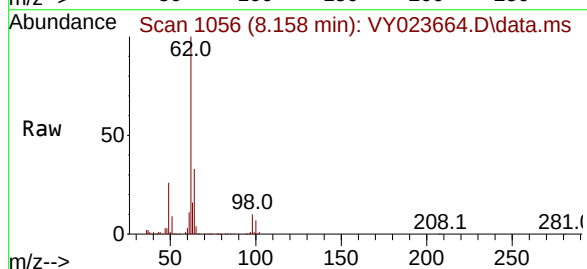
Tgt Ion: 41 Resp: 71198
Ion Ratio Lower Upper
41 100
39 48.2 38.6 57.8
67 89.1 71.3 106.9
52 33.7 27.0 40.4

Manual Integrations
APPROVED

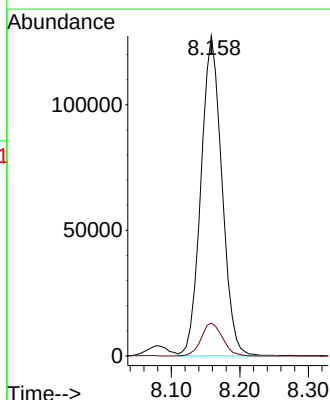
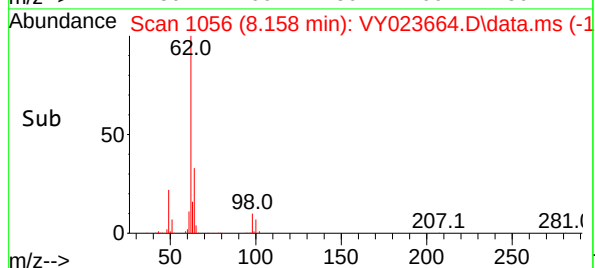
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

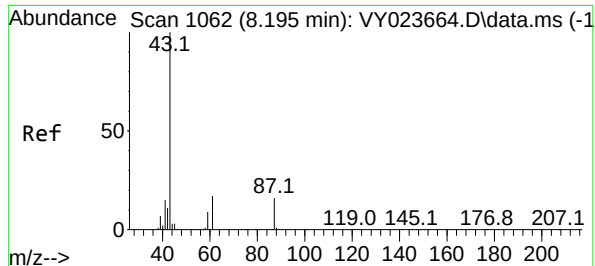


#42
1,2-Dichloroethane
Concen: 48.130 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



Tgt Ion: 62 Resp: 270723
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.0





#43

Isopropyl Acetate

Concen: 48.549 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 249080

Ion Ratio Lower Upper

43 100

61 22.7 18.2 27.2

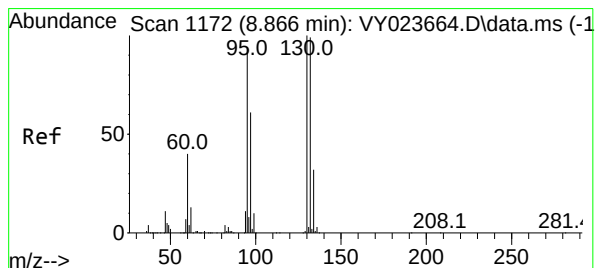
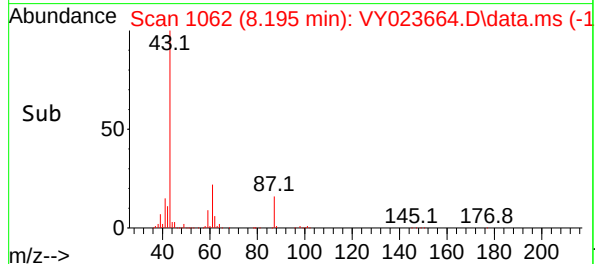
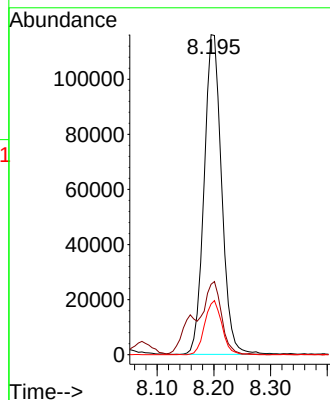
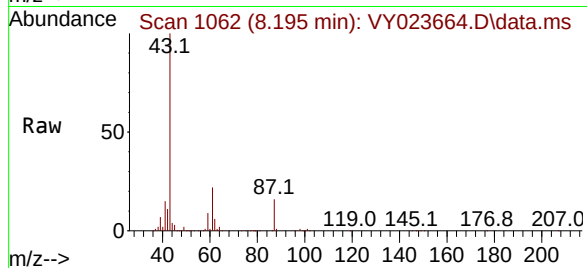
87 16.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 48.377 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023664.D

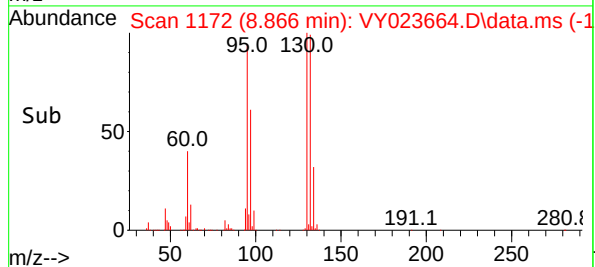
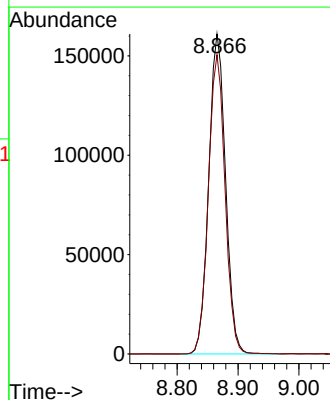
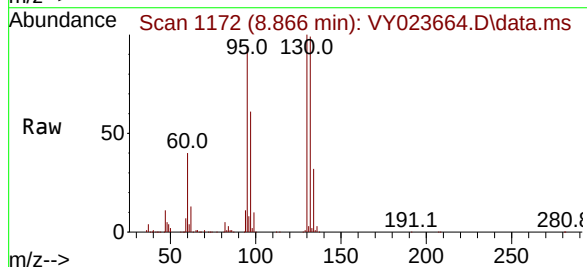
Acq: 04 Nov 2025 10:42

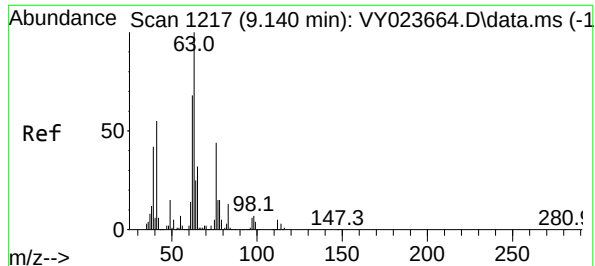
Tgt Ion:130 Resp: 308925

Ion Ratio Lower Upper

130 100

95 93.5 0.0 187.0





#45

1,2-Dichloropropane

Concen: 48.873 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 23981

Ion Ratio Lower Upper

63 100

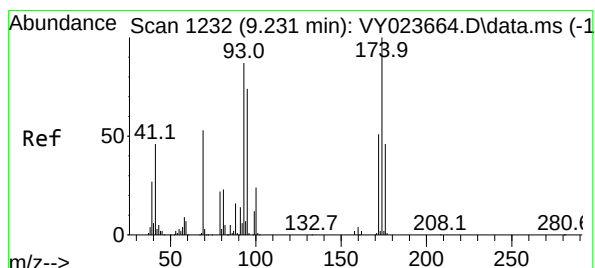
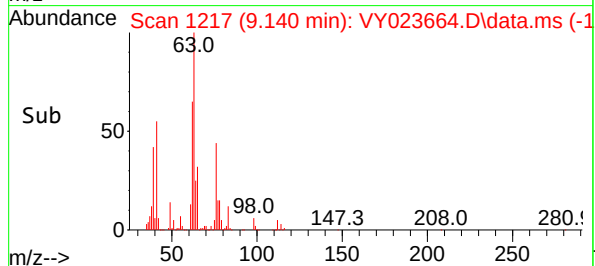
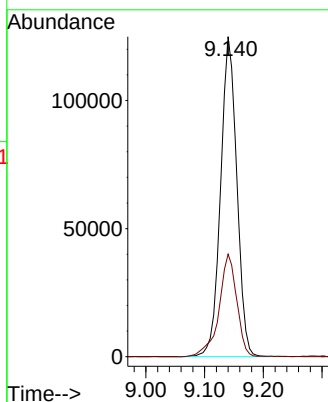
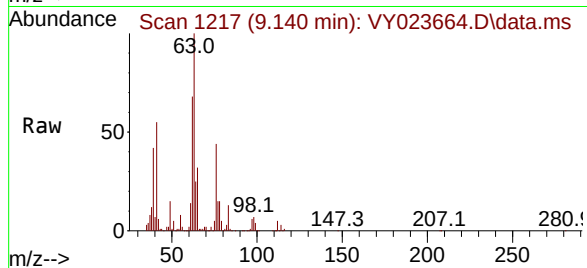
65 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 48.022 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

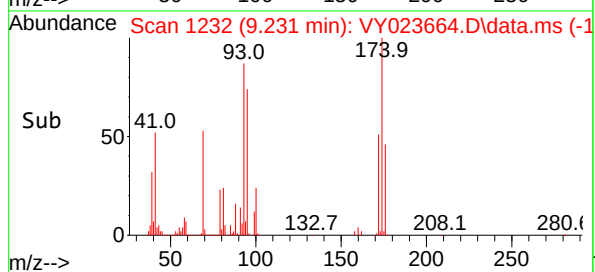
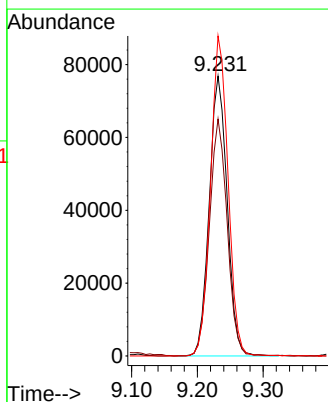
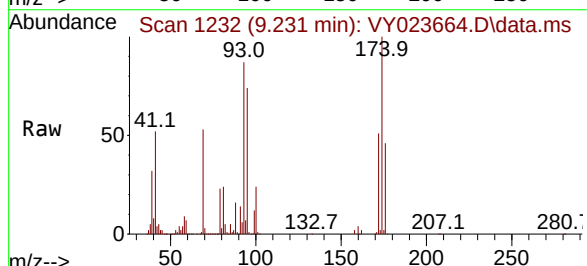
Tgt Ion: 93 Resp: 146001

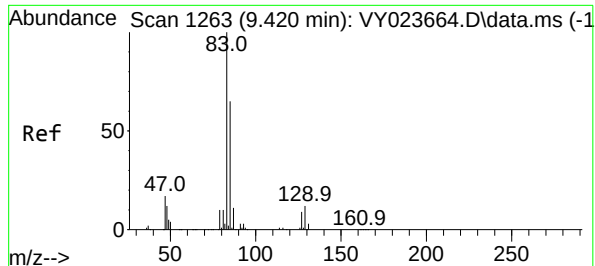
Ion Ratio Lower Upper

93 100

95 84.3 67.4 101.2

174 111.7 89.4 134.0





#47

Bromodichloromethane

Concen: 48.904 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 37486

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

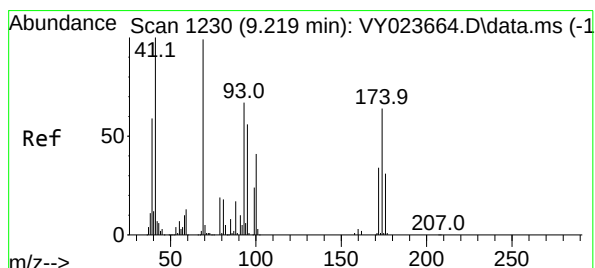
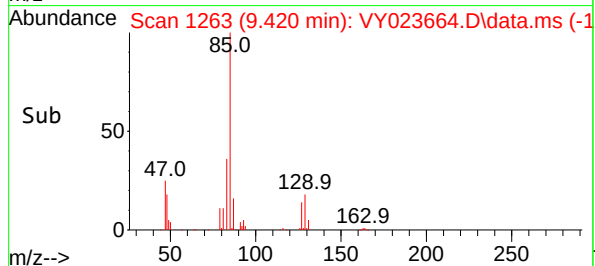
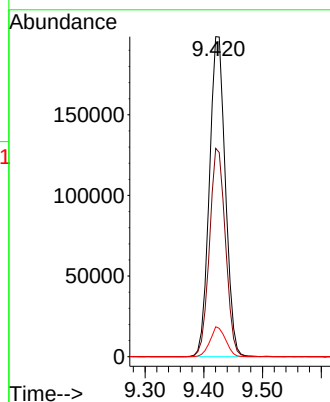
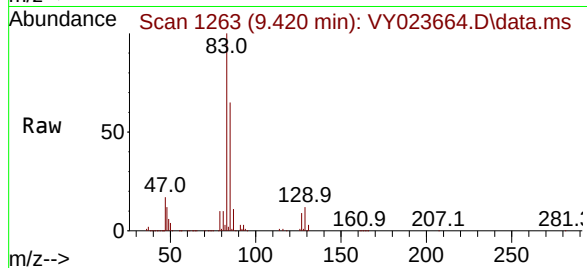
127 9.4 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 50.717 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

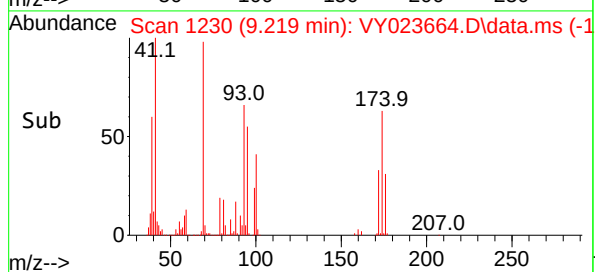
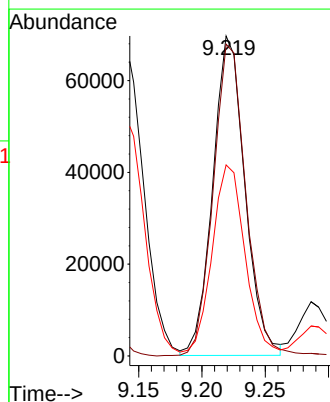
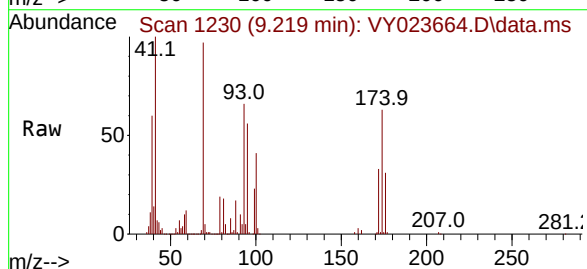
Tgt Ion: 41 Resp: 122935

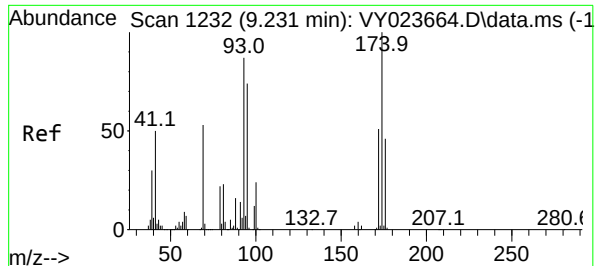
Ion Ratio Lower Upper

41 100

69 100.2 80.2 120.2

39 59.2 47.4 71.0





#49

1,4-Dioxane

Concen: 977.461 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

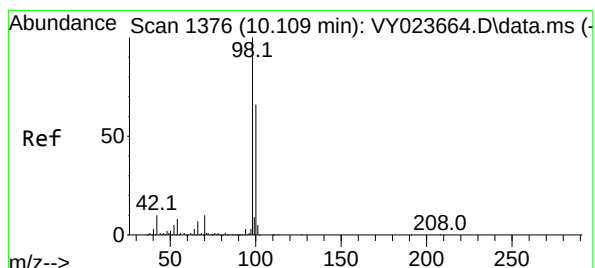
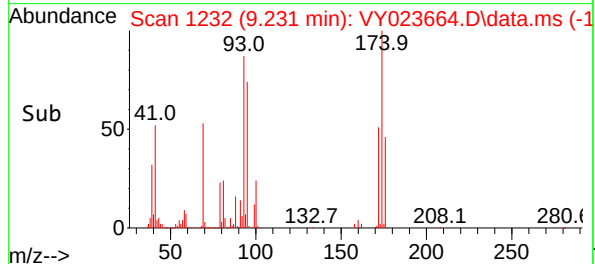
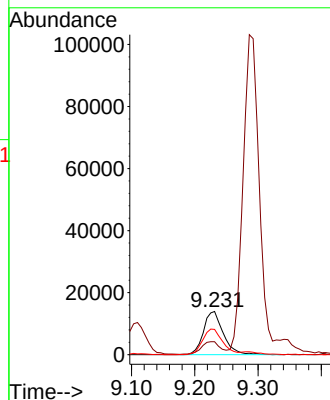
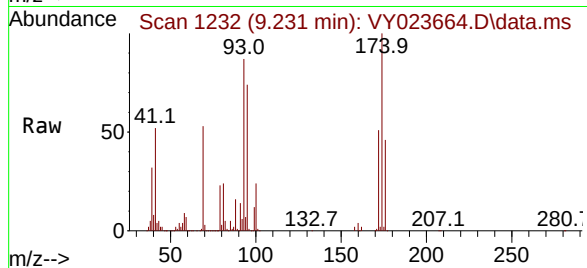
VSTDICCC050

Tgt Ion:	88	Resp:	3041
Ion	Ratio	Lower	Upper
88	100		
43	27.5	22.0	33.0
58	59.8	47.8	71.8

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Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 51.068 ug/l

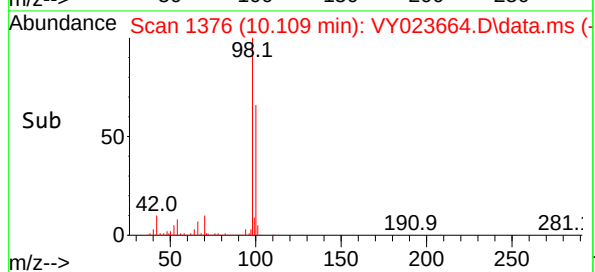
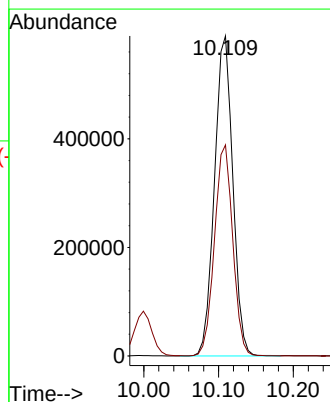
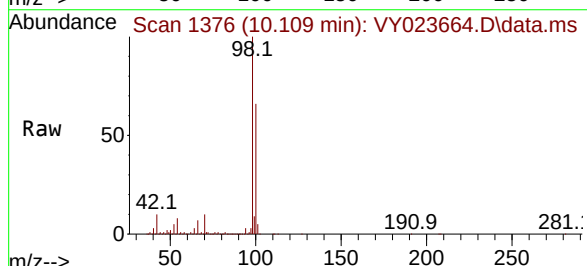
RT: 10.109 min Scan# 1376

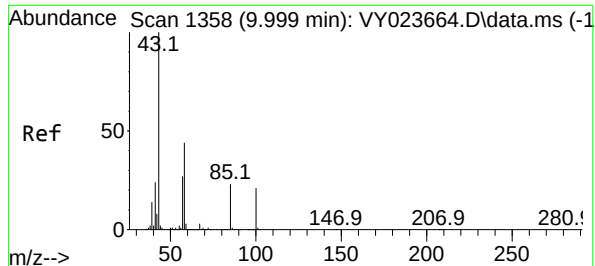
Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Tgt Ion:	98	Resp:	1004143
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1





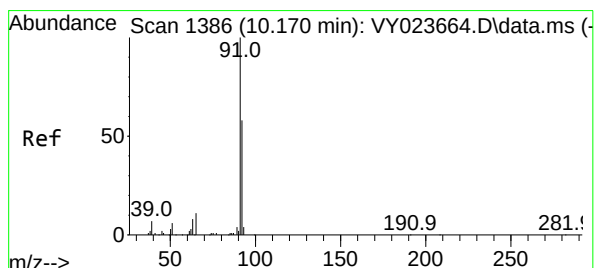
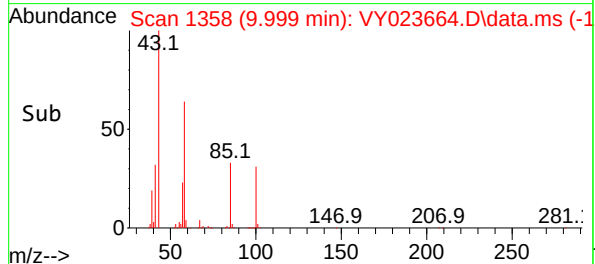
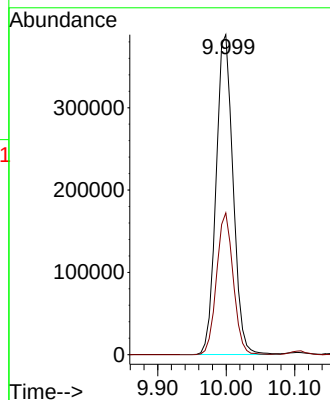
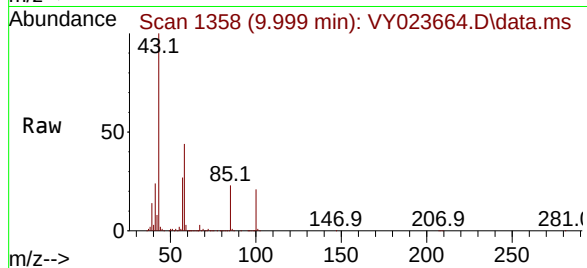
#51
4-Methyl-2-Pentanone
Concen: 244.757 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 66779
Ion Ratio Lower Upper
43 100
58 43.5 34.8 52.2

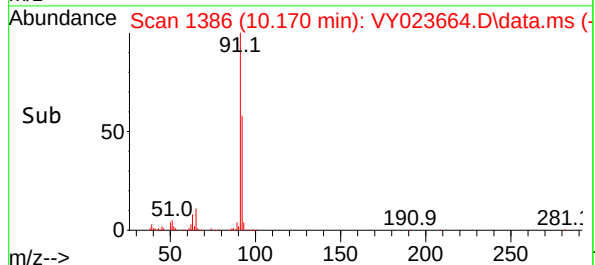
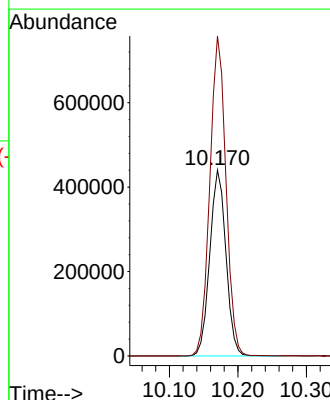
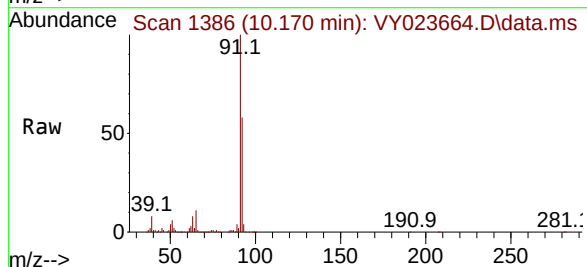
Manual Integrations
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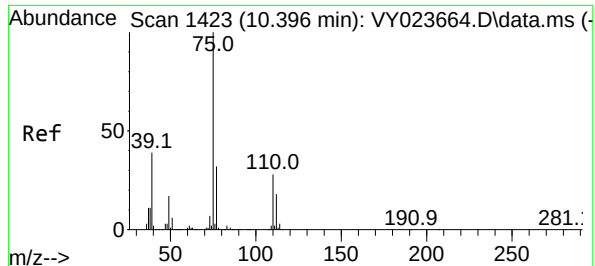
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#52
Toluene
Concen: 50.801 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 92 Resp: 721090
Ion Ratio Lower Upper
92 100
91 172.3 137.8 206.8





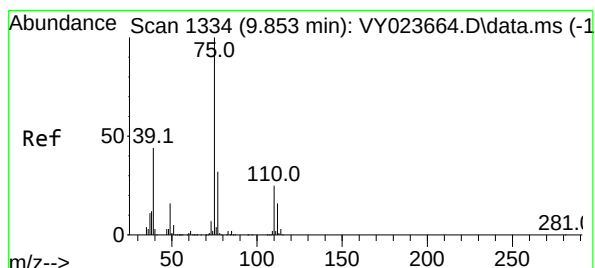
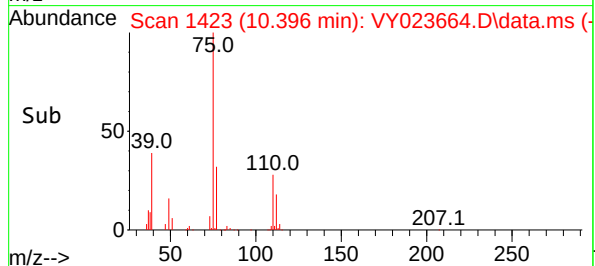
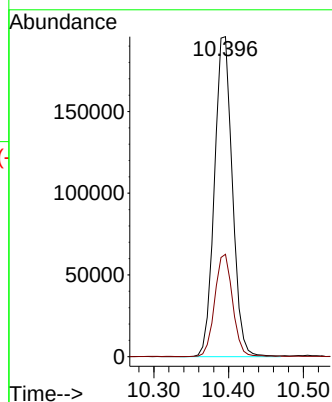
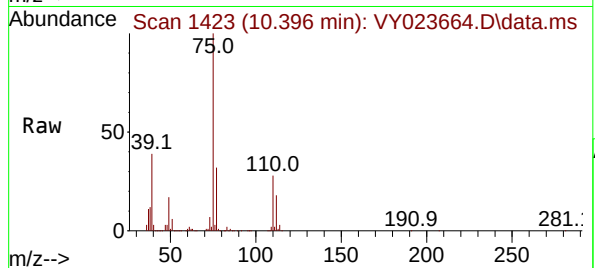
#53
t-1,3-Dichloropropene
Concen: 50.350 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 326560
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4

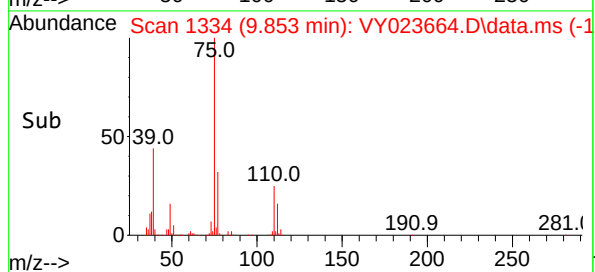
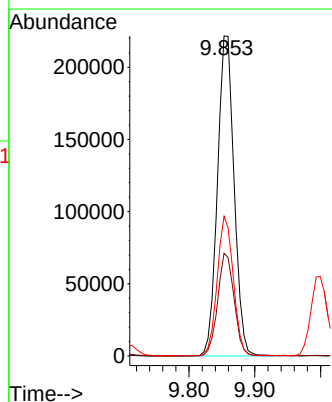
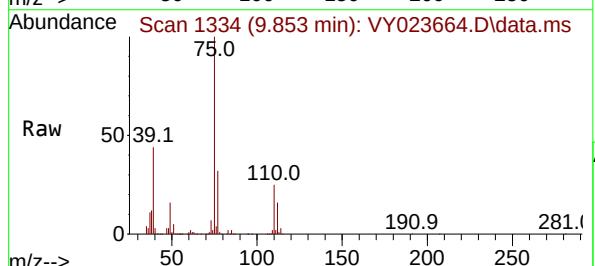
Manual Integrations
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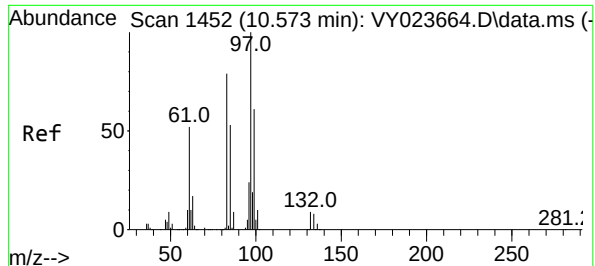
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 50.333 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

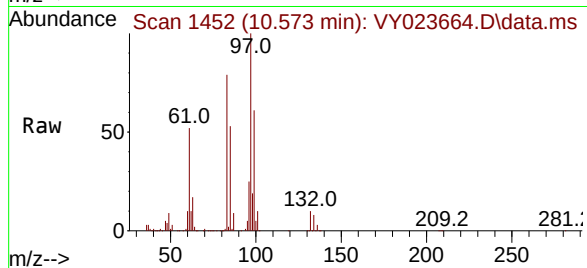
Tgt Ion: 75 Resp: 391126
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 43.6 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 48.601 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

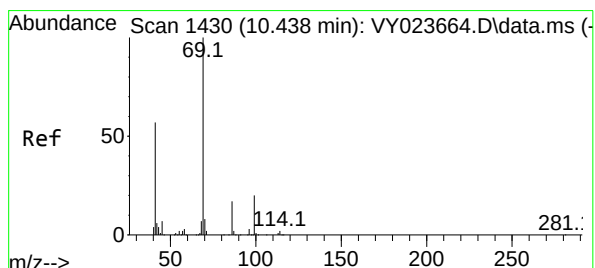
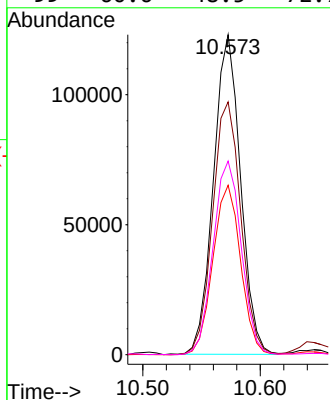
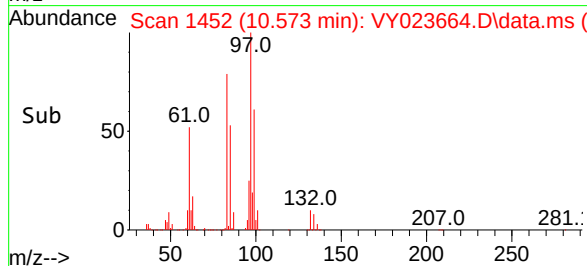
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 97 Resp: 197468
Ion Ratio Lower Upper
97 100
83 79.1 63.3 94.9
85 53.0 42.4 63.6
99 60.6 48.5 72.7

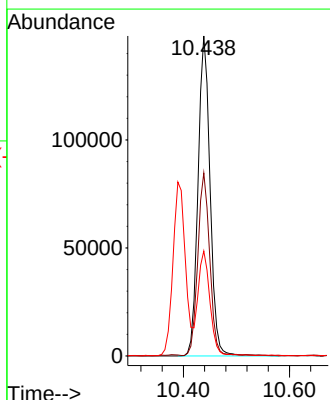
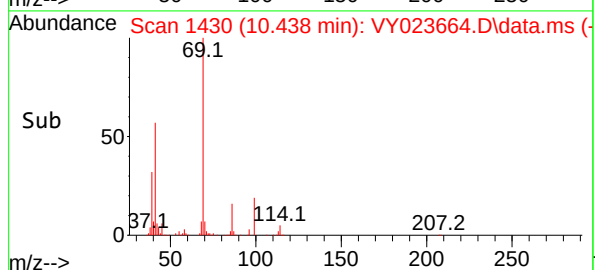
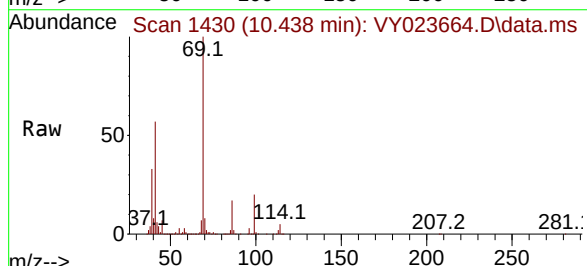
Manual Integrations
APPROVED

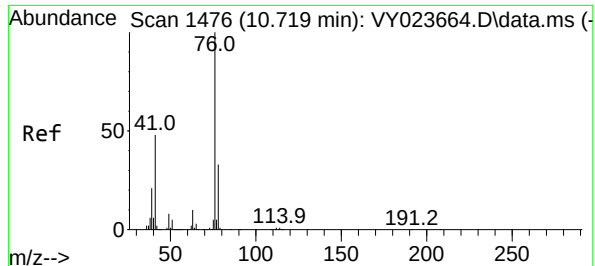
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#56
Ethyl methacrylate
Concen: 52.139 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

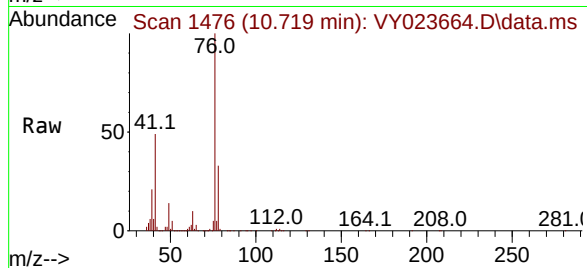
Tgt Ion: 69 Resp: 233410
Ion Ratio Lower Upper
69 100
41 56.2 45.0 67.4
39 31.4 25.1 37.7





#57
1,3-Dichloropropane
Concen: 49.234 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

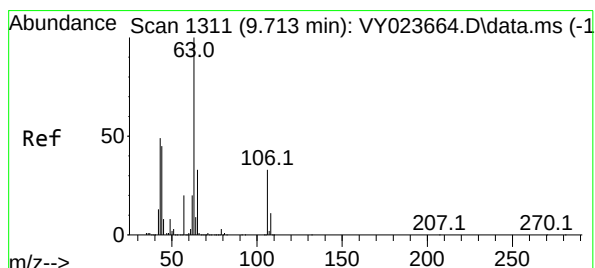
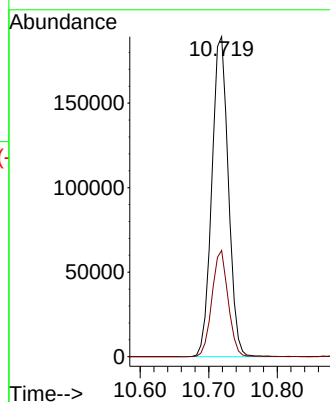
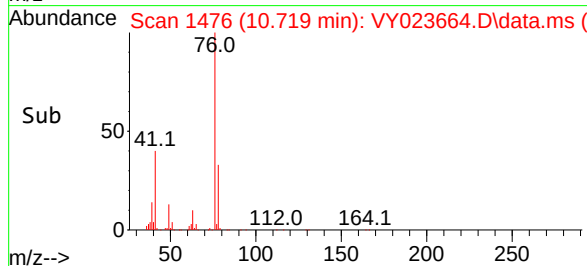
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 317290
Ion Ratio Lower Upper
76 100
78 32.5 26.0 39.0

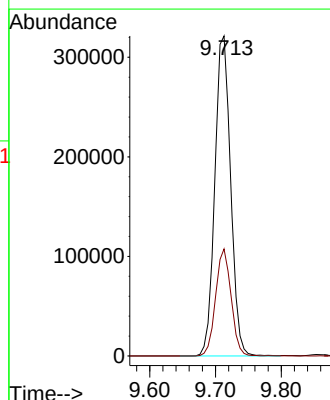
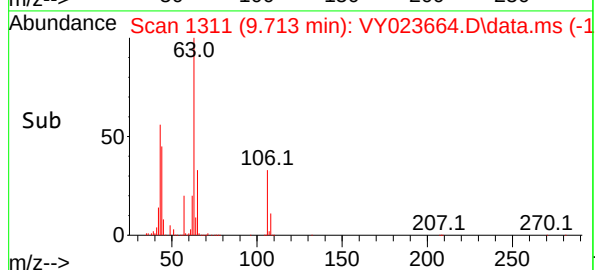
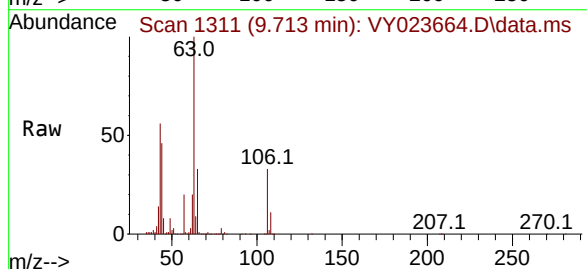
Manual Integrations
APPROVED

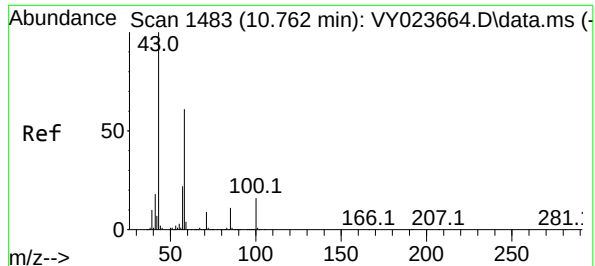
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 261.987 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 63 Resp: 538181
Ion Ratio Lower Upper
63 100
106 32.7 26.2 39.2





#59

2-Hexanone

Concen: 242.927 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 48356

Ion Ratio Lower Upper

43 100

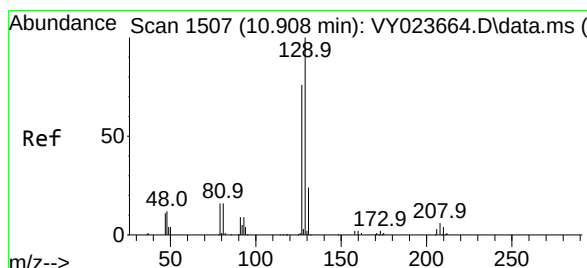
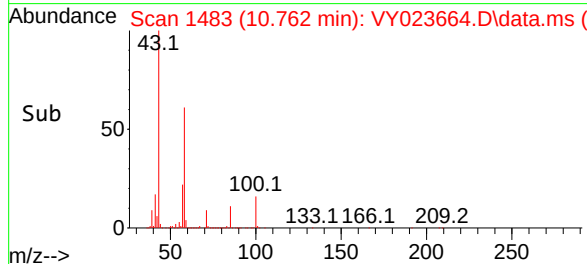
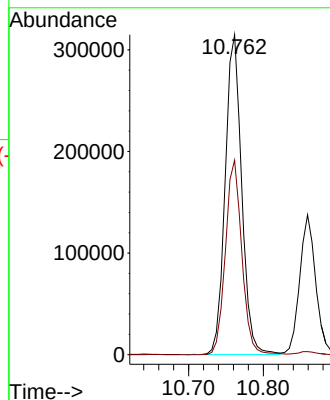
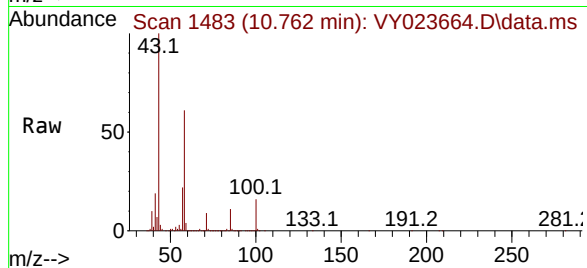
58 60.4 30.2 90.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#60

Dibromochloromethane

Concen: 49.299 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY023664.D

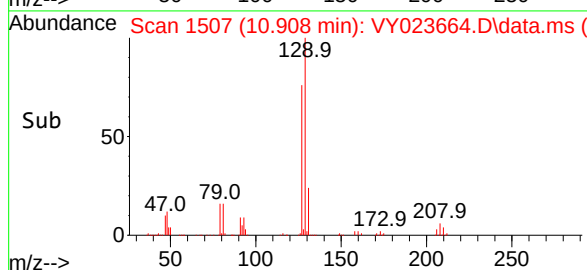
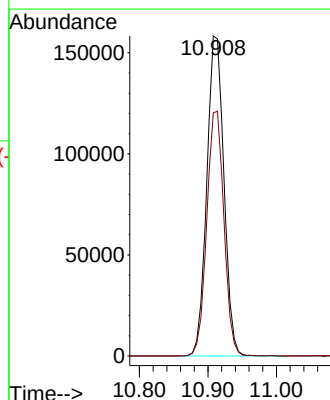
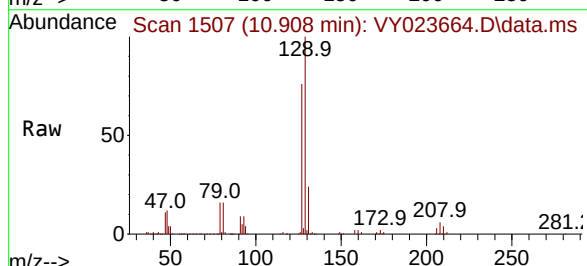
Acq: 04 Nov 2025 10:42

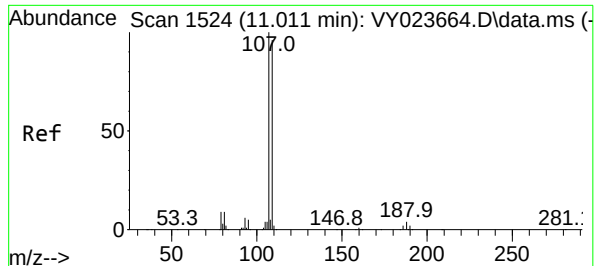
Tgt Ion:129 Resp: 275217

Ion Ratio Lower Upper

129 100

127 76.8 38.4 115.2





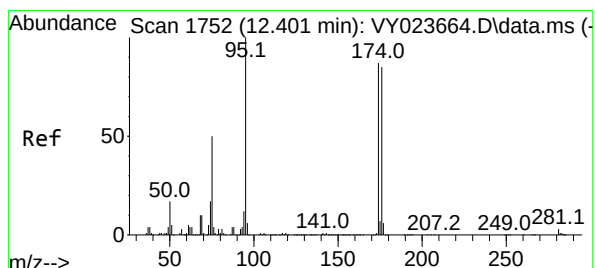
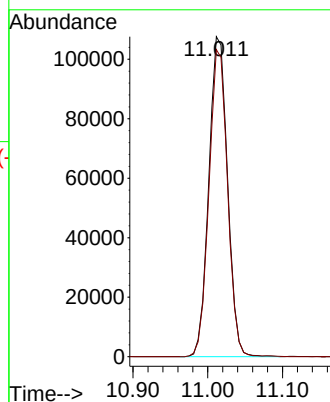
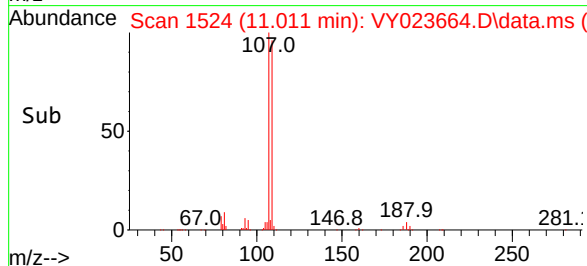
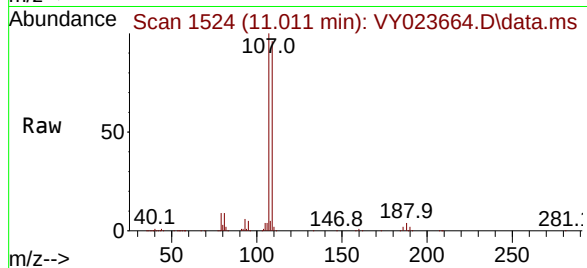
#61
1,2-Dibromoethane
Concen: 49.070 ug/l
RT: 11.011 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 187108
Ion Ratio Lower Upper
107 100
109 95.3 76.2 114.4

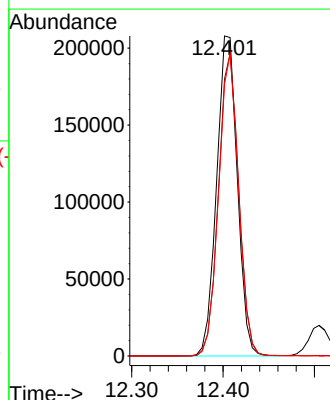
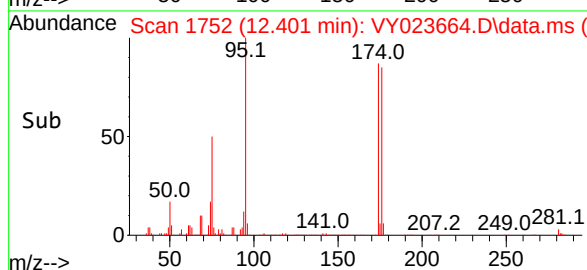
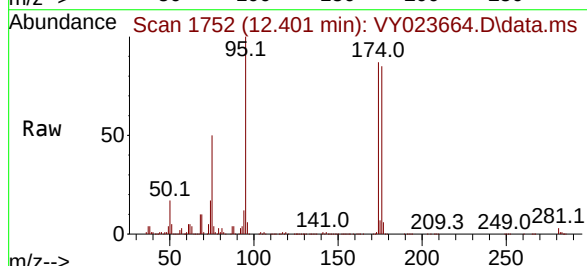
Manual Integrations
APPROVED

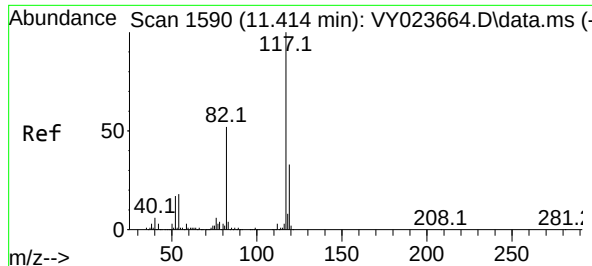
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 51.505 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 95 Resp: 327509
Ion Ratio Lower Upper
95 100
174 92.4 0.0 184.8
176 90.8 0.0 181.6





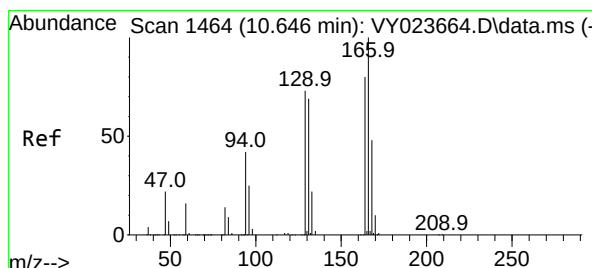
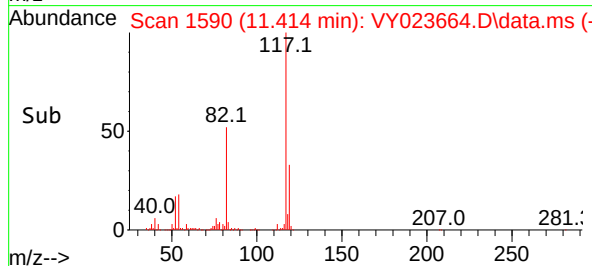
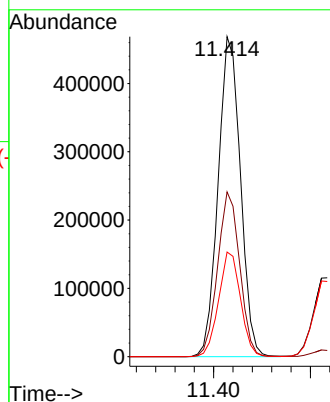
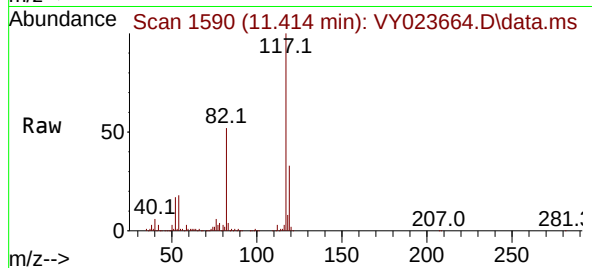
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 74831
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 32.7 26.2 39.2

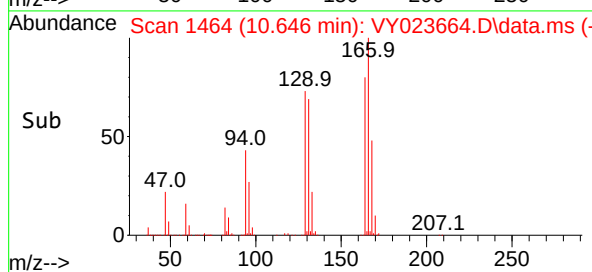
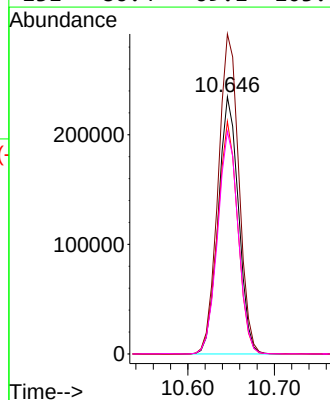
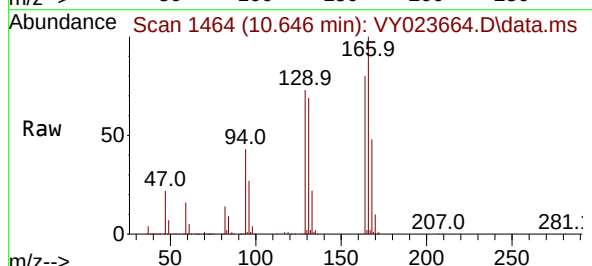
Manual Integrations
APPROVED

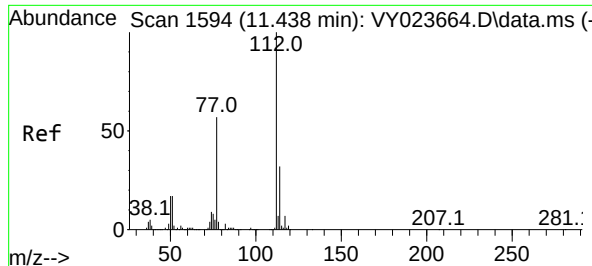
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#64
Tetrachloroethene
Concen: 49.228 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

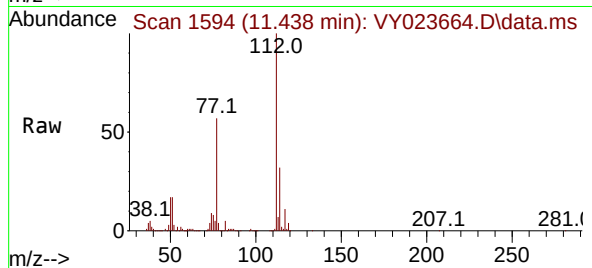
Tgt Ion:164 Resp: 383425
Ion Ratio Lower Upper
164 100
166 124.4 99.5 149.3
129 90.4 72.3 108.5
131 86.4 69.1 103.7





#65
Chlorobenzene
Concen: 49.008 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

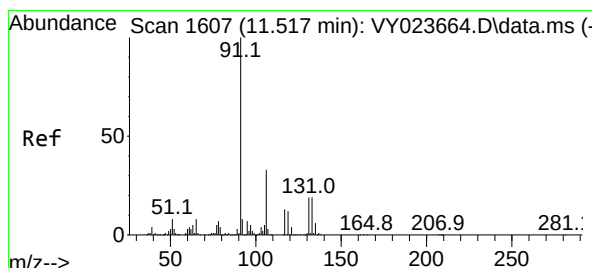
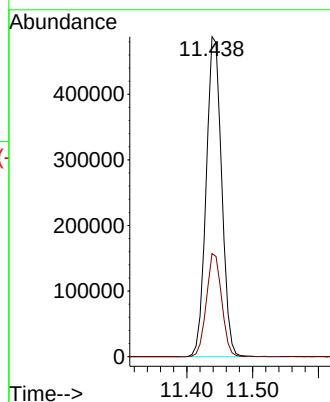
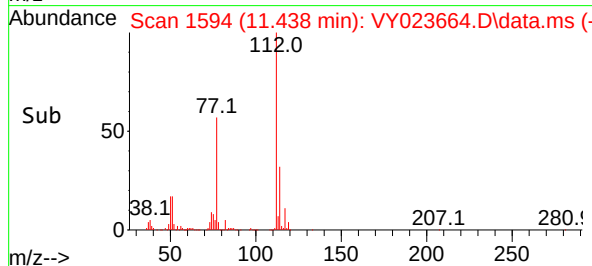
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 798384
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

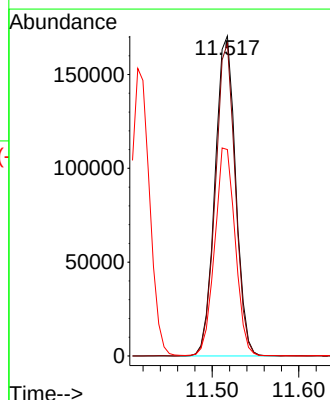
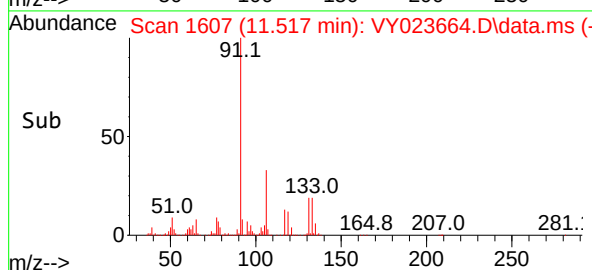
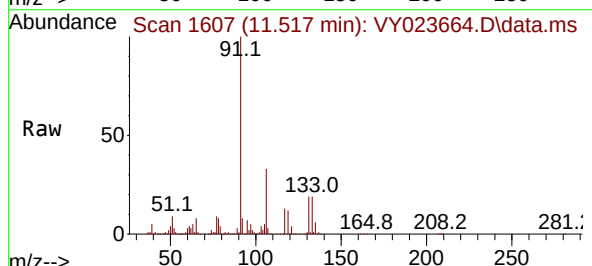
Manual Integrations
APPROVED

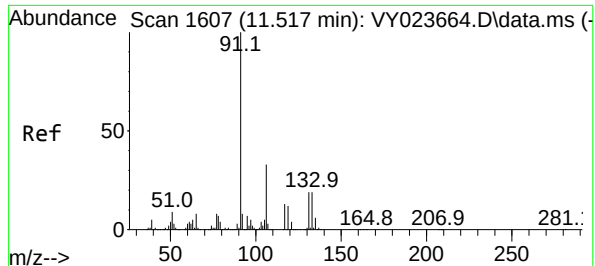
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 48.962 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion:131 Resp: 282049
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 64.9 32.5 97.4





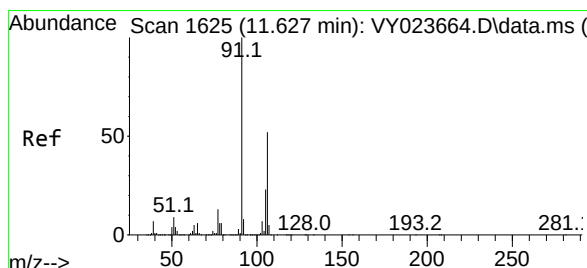
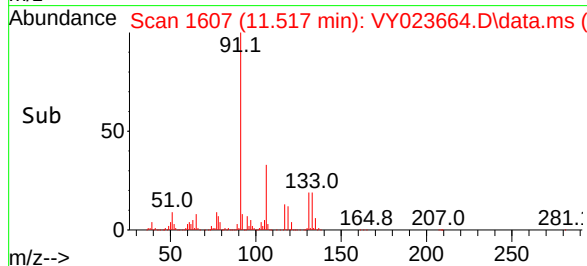
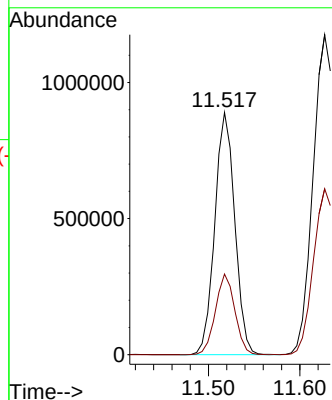
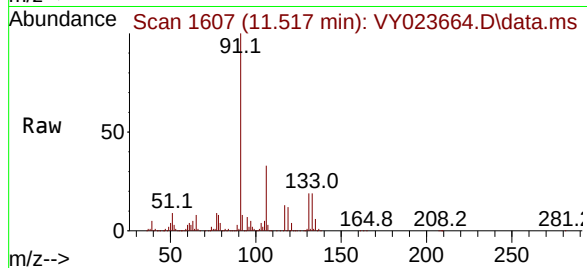
#67
Ethyl Benzene
Concen: 51.285 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1352193
Ion Ratio Lower Upper
91 100
106 33.3 26.6 40.0

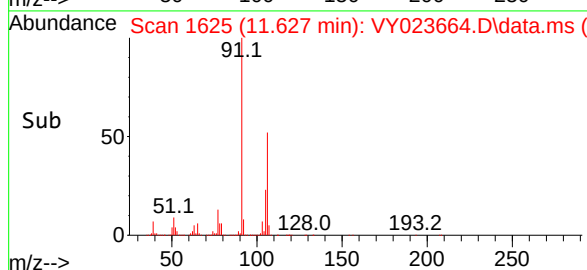
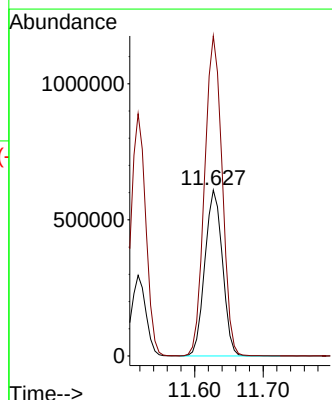
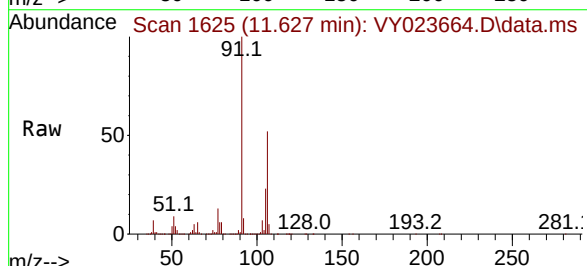
Manual Integrations
APPROVED

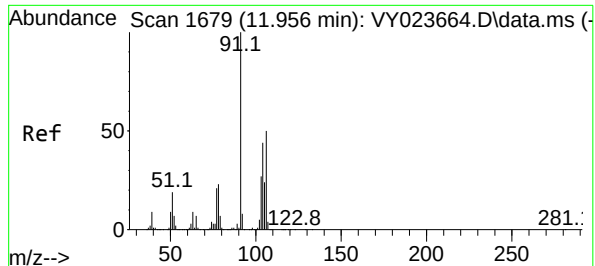
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#68
m/p-Xylenes
Concen: 103.340 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion:106 Resp: 1088606
Ion Ratio Lower Upper
106 100
91 192.9 154.3 231.5





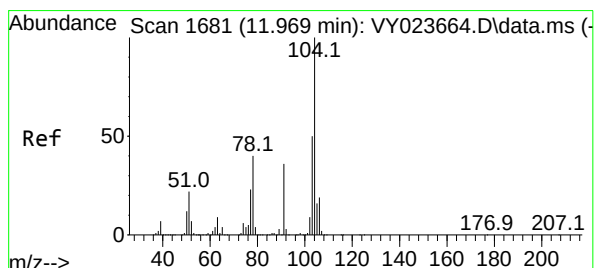
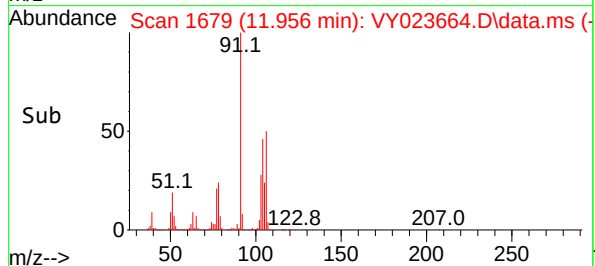
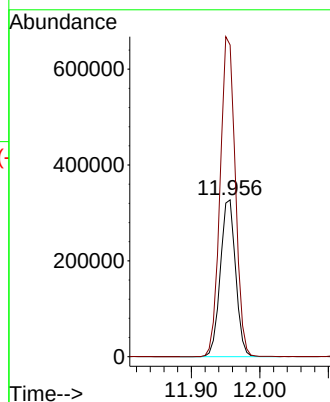
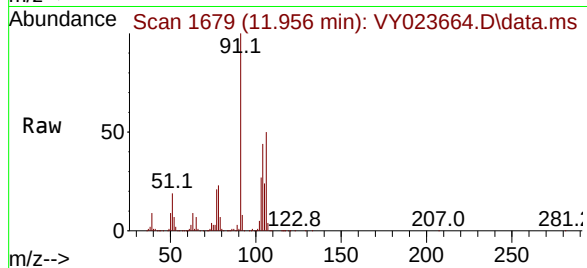
#69
o-Xylene
Concen: 51.824 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 504648
Ion Ratio Lower Upper
106 100
91 203.1 101.6 304.6

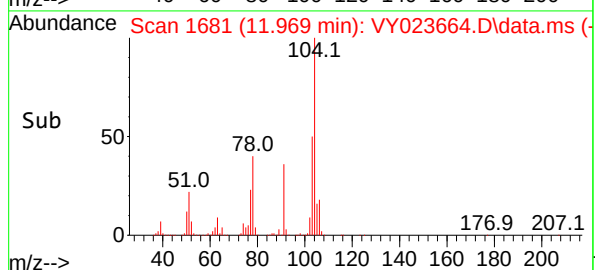
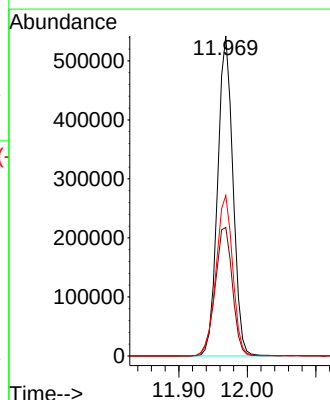
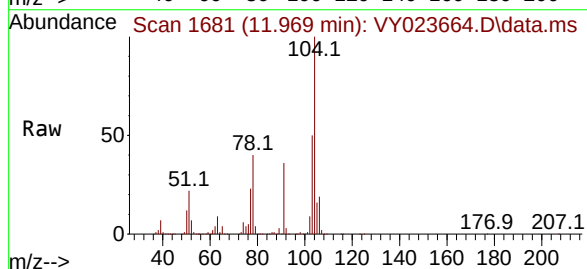
Manual Integrations
APPROVED

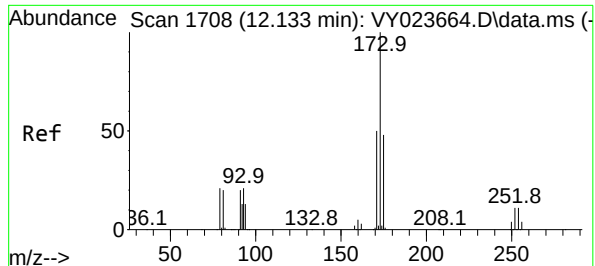
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 52.208 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

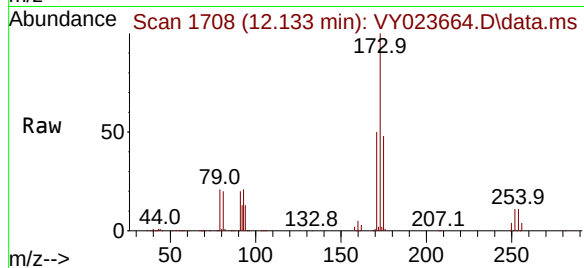
Tgt Ion:104 Resp: 838808
Ion Ratio Lower Upper
104 100
78 45.6 36.5 54.7
103 54.6 43.7 65.5





#71
Bromoform
Concen: 48.678 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

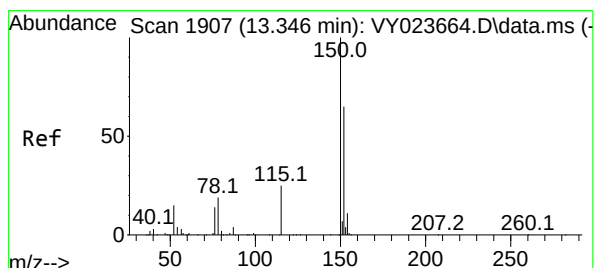
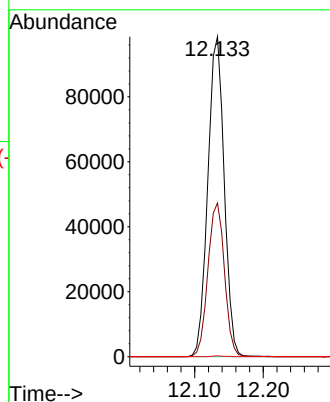
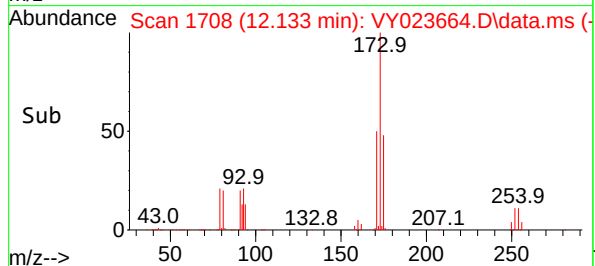
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



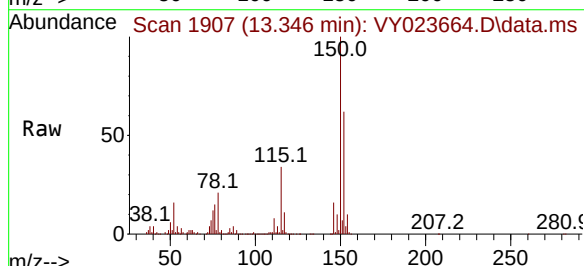
Tgt Ion:173 Resp: 16377
Ion Ratio Lower Upper
173 100
175 48.4 24.2 72.6
254 0.2 0.2 0.2

Manual Integrations
APPROVED

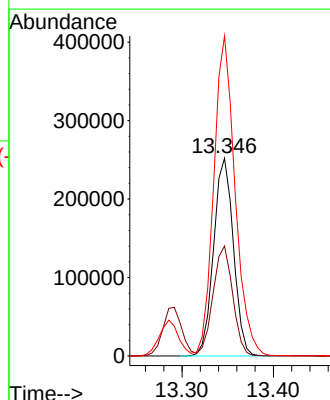
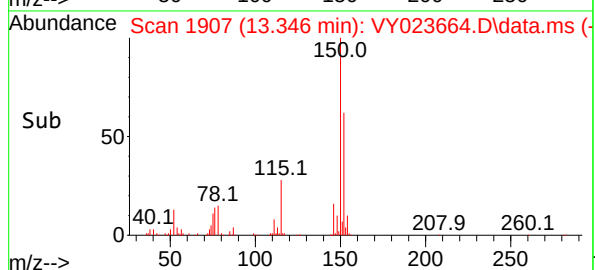
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

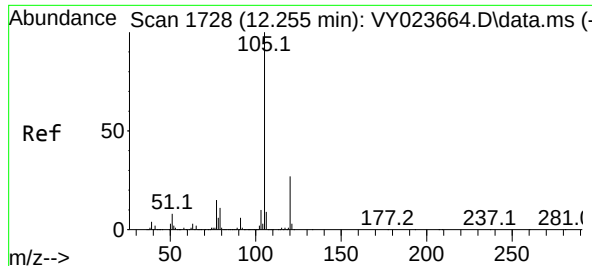


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42



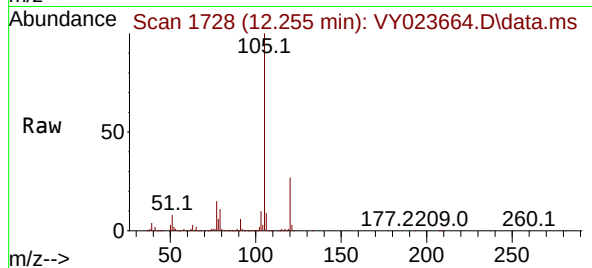
Tgt Ion:152 Resp: 378927
Ion Ratio Lower Upper
152 100
115 55.0 27.5 82.5
150 174.5 0.0 349.0





#73
Isopropylbenzene
Concen: 51.752 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

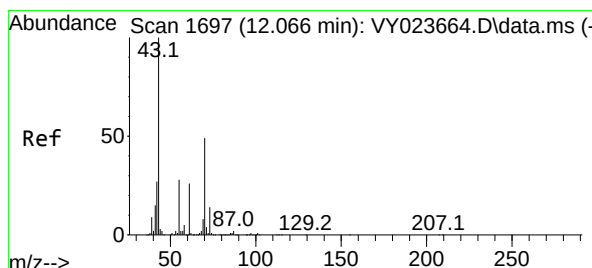
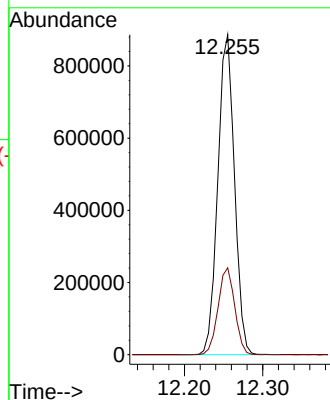
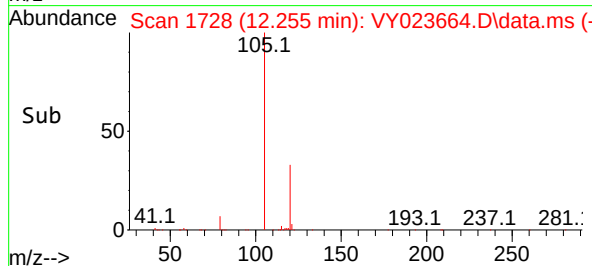
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 131158
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7

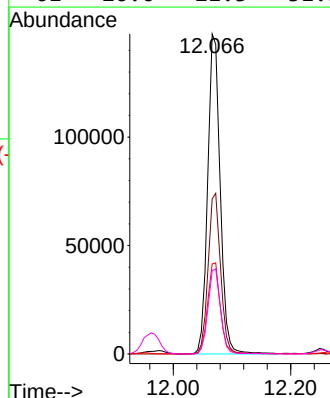
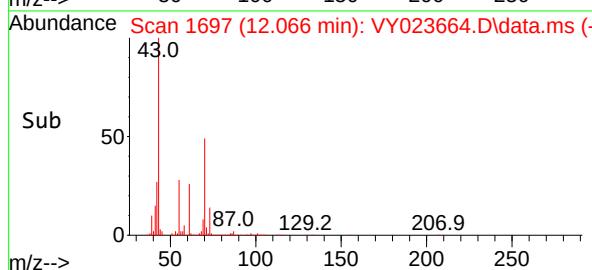
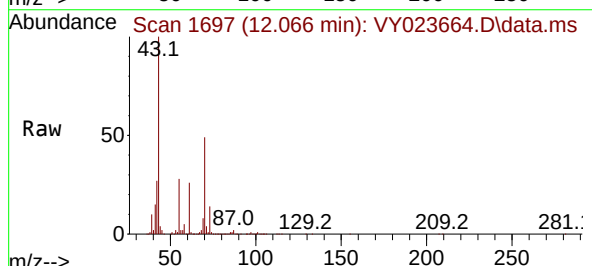
Manual Integrations
APPROVED

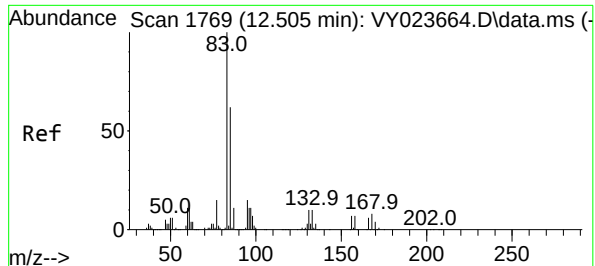
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 50.962 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 43 Resp: 218665
Ion Ratio Lower Upper
43 100
70 50.1 40.1 60.1
55 28.8 23.0 34.6
61 26.6 21.3 31.9





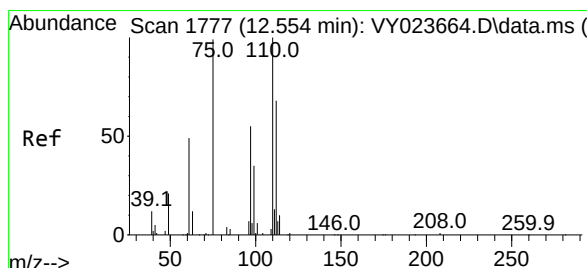
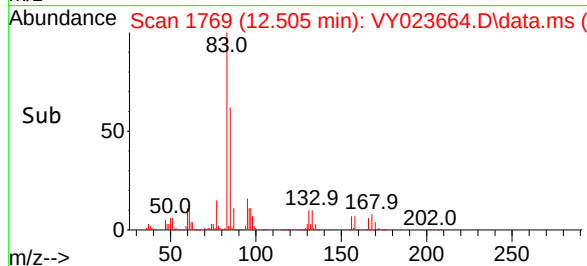
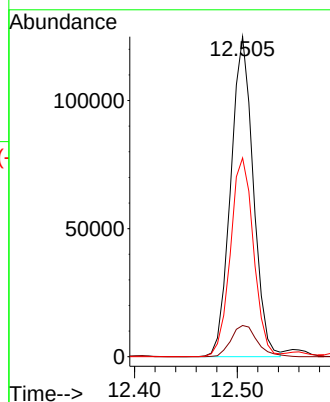
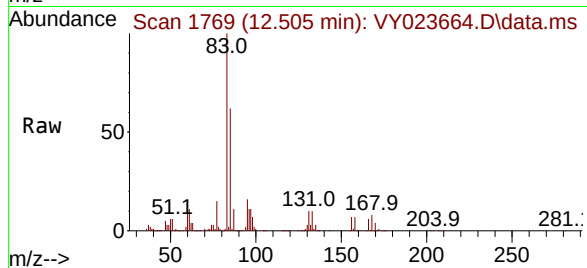
#75
1,1,2-Tetrachloroethane
Concen: 47.061 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 190480
Ion Ratio Lower Upper
83 100
131 11.3 5.7 17.0
85 63.8 31.9 95.7

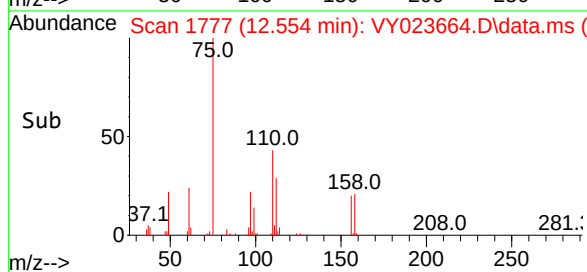
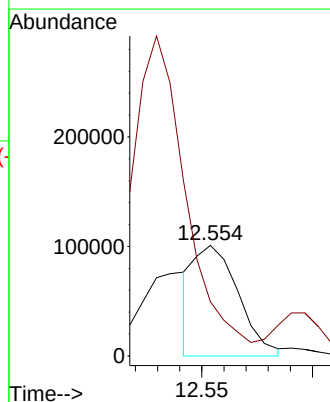
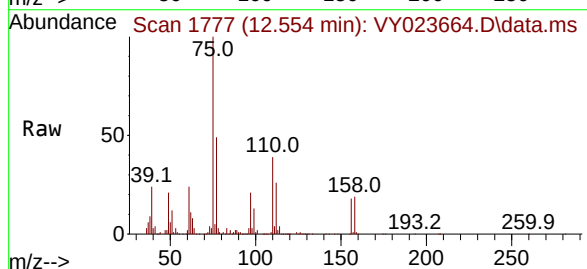
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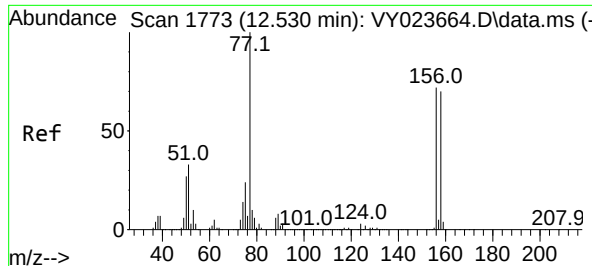
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#76
1,2,3-Trichloropropane
Concen: 46.111 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 75 Resp: 141409
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





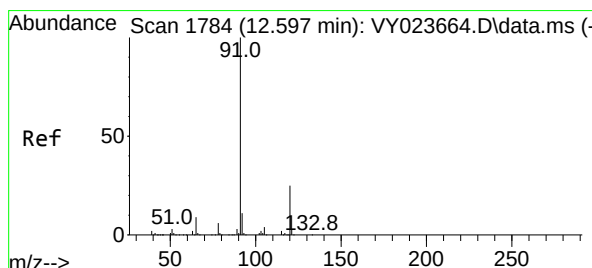
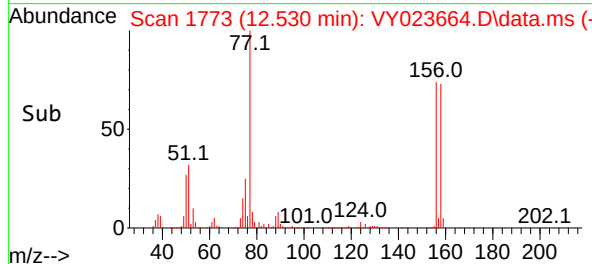
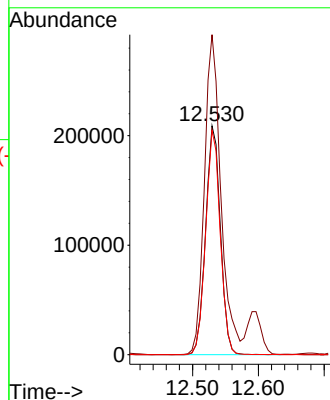
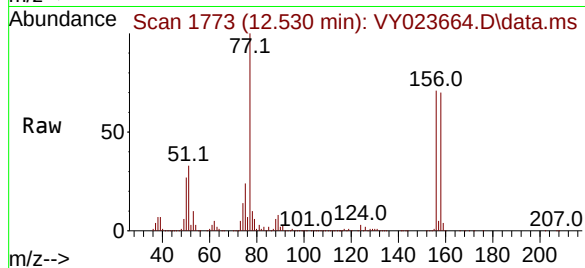
#77
Bromobenzene
Concen: 49.702 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 326732
Ion Ratio Lower Upper
156 100
77 155.8 77.9 233.7
158 97.0 48.5 145.5

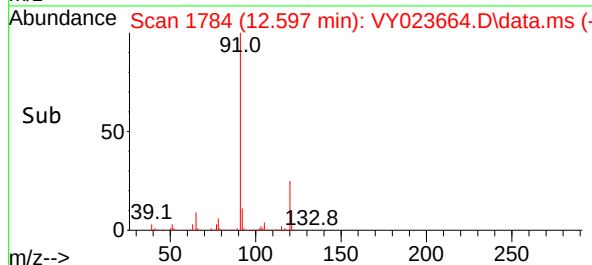
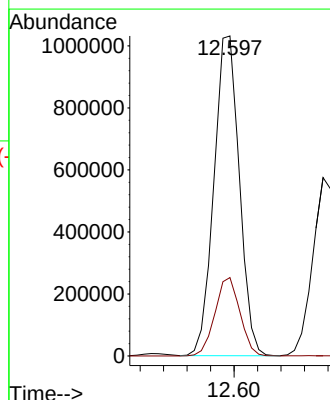
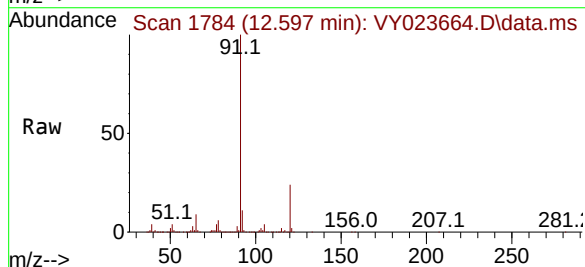
Manual Integrations
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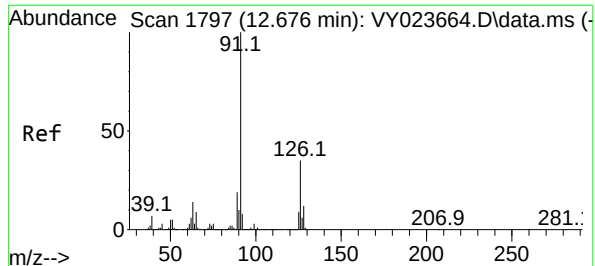
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 51.929 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 91 Resp: 1548019
Ion Ratio Lower Upper
91 100
120 24.1 12.0 36.1





#79

2-Chlorotoluene

Concen: 50.938 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 881152

Ion Ratio Lower Upper

91 100

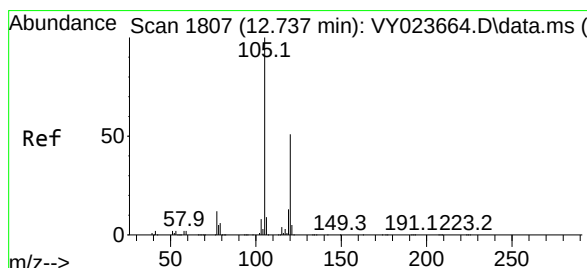
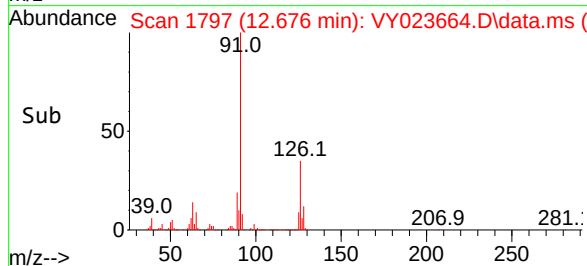
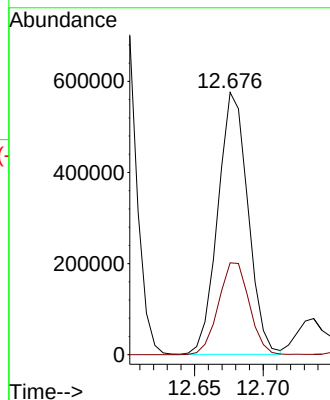
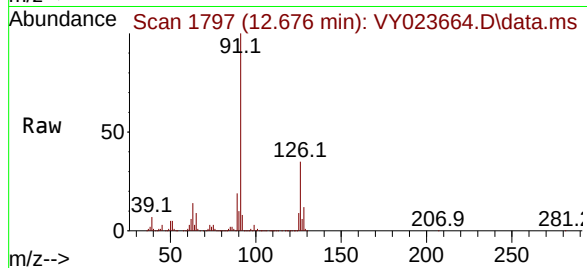
126 36.0 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 52.144 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023664.D

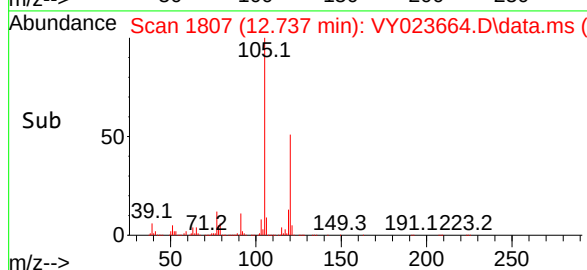
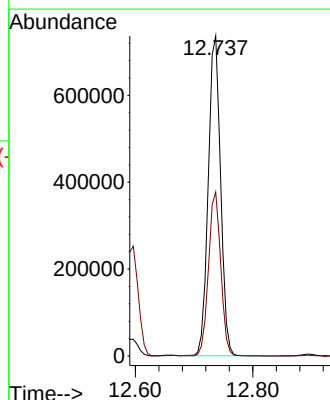
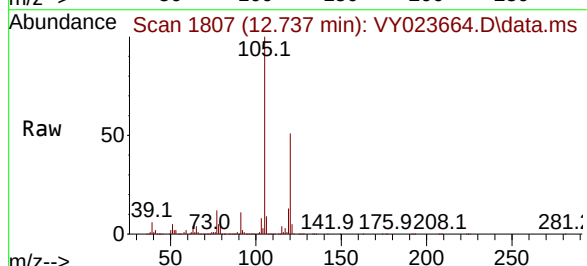
Acq: 04 Nov 2025 10:42

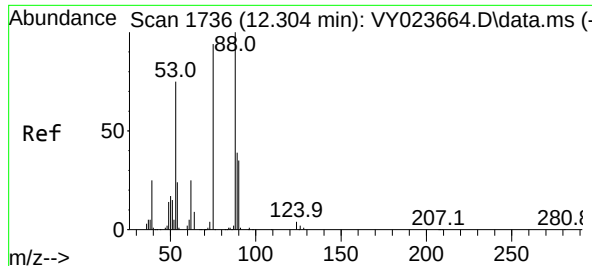
Tgt Ion:105 Resp: 1073705

Ion Ratio Lower Upper

105 100

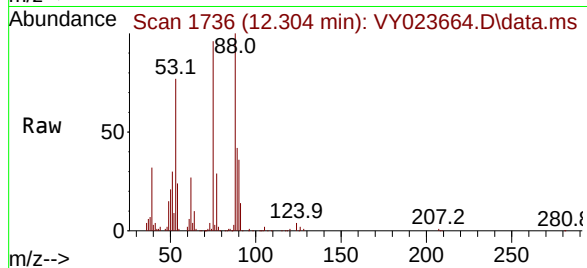
120 50.8 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 48.129 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

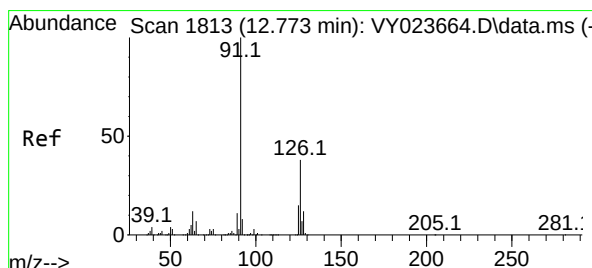
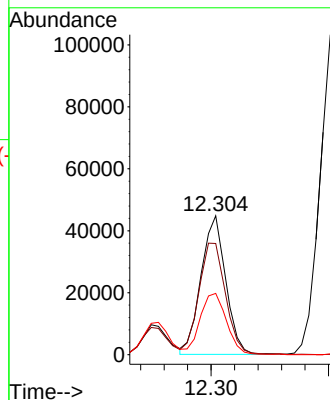
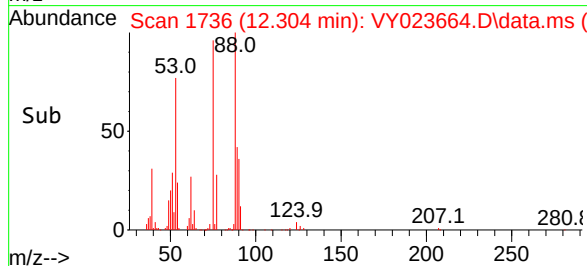
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 65310
Ion Ratio Lower Upper
75 100
53 87.0 69.6 104.4
89 47.8 38.2 57.4

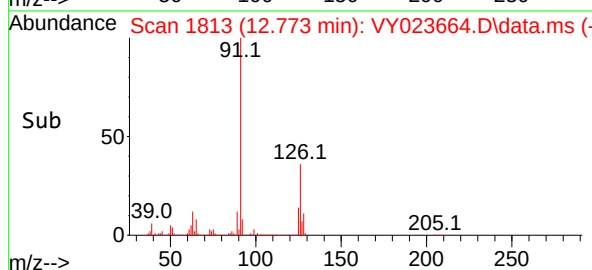
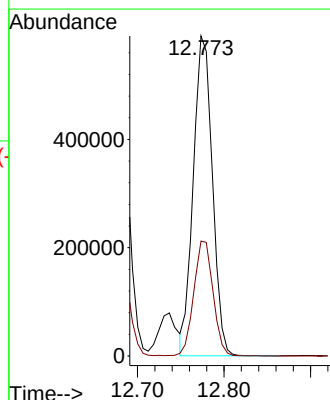
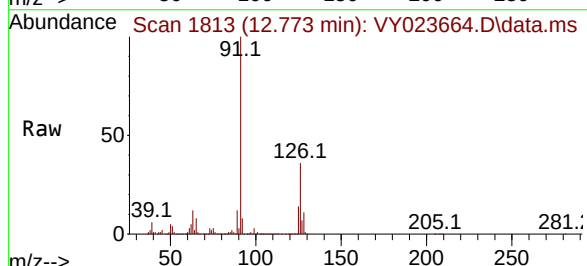
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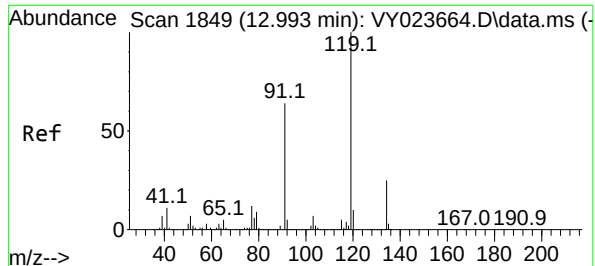
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 50.699 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 91 Resp: 904469
Ion Ratio Lower Upper
91 100
126 36.3 18.1 54.4





#83

tert-Butylbenzene

Concen: 51.686 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 96932

Ion Ratio Lower Upper

119 100

91 61.4 30.7 92.1

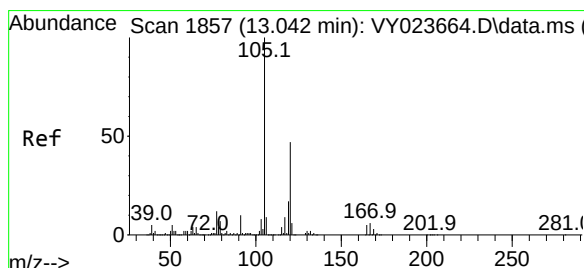
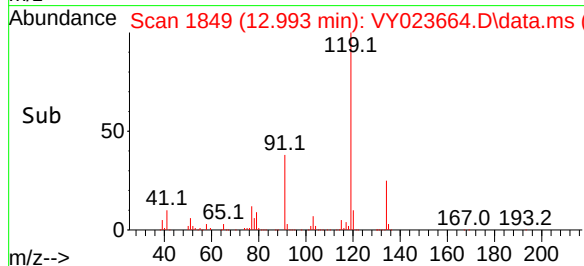
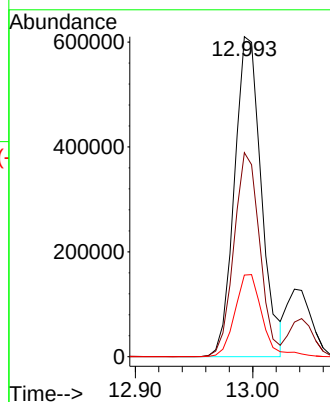
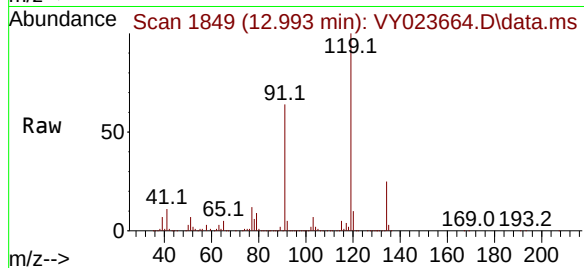
134 26.1 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#84

1,2,4-Trimethylbenzene

Concen: 52.367 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023664.D

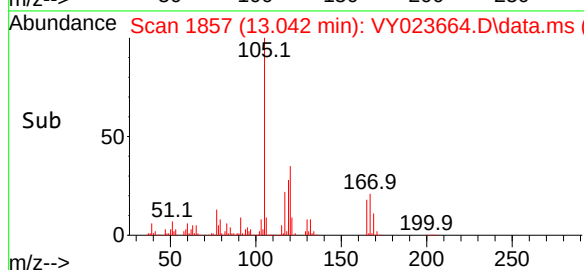
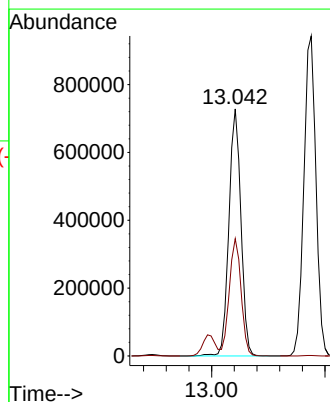
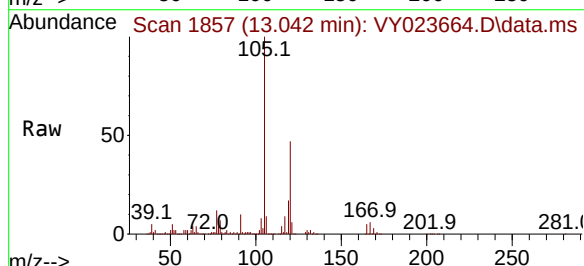
Acq: 04 Nov 2025 10:42

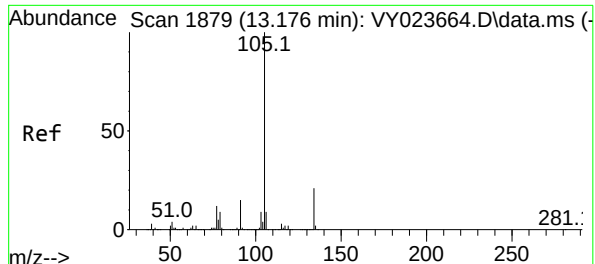
Tgt Ion:105 Resp: 1068009

Ion Ratio Lower Upper

105 100

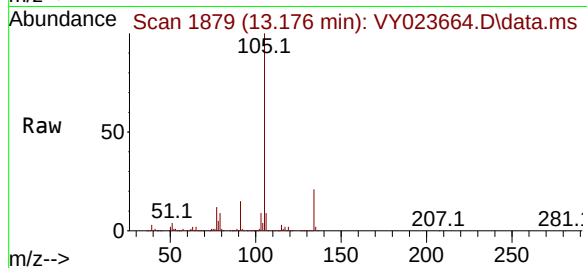
120 46.4 23.2 69.6





#85
sec-Butylbenzene
Concen: 51.485 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

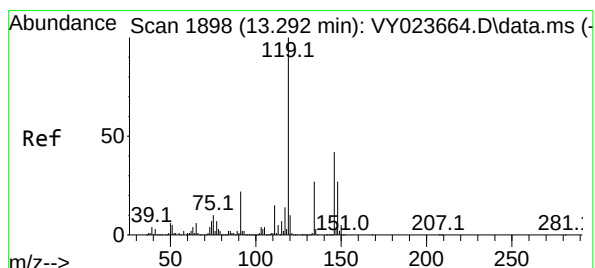
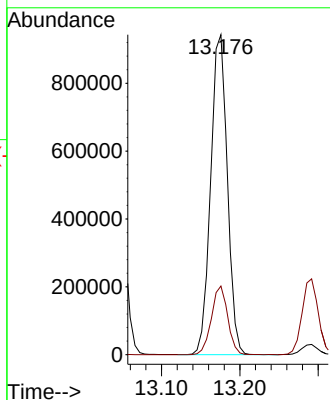
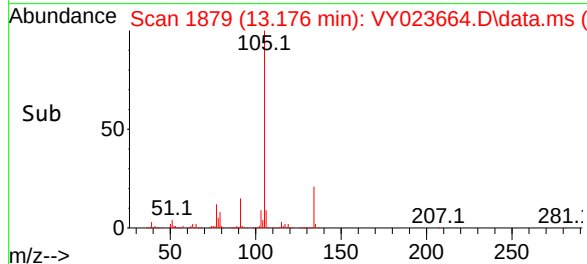
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050



Tgt Ion:105 Resp: 139265
Ion Ratio Lower Upper
105 100
134 20.9 10.4 31.4

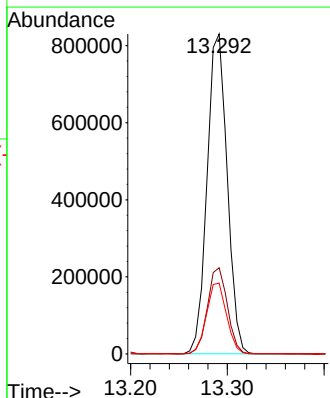
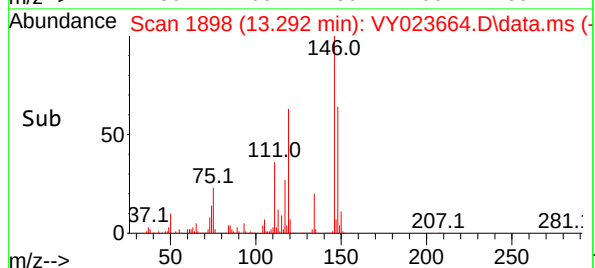
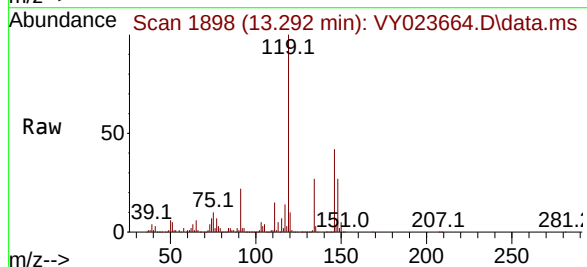
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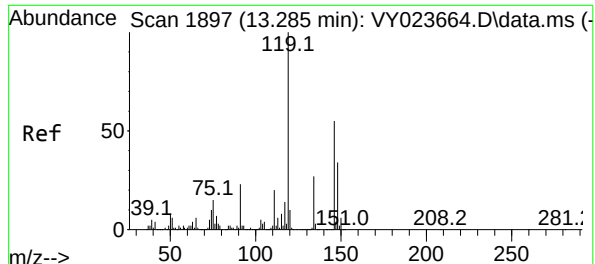
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#86
p-Isopropyltoluene
Concen: 52.399 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion:119 Resp: 1199869
Ion Ratio Lower Upper
119 100
134 26.8 13.4 40.2
91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 49.605 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 641830

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

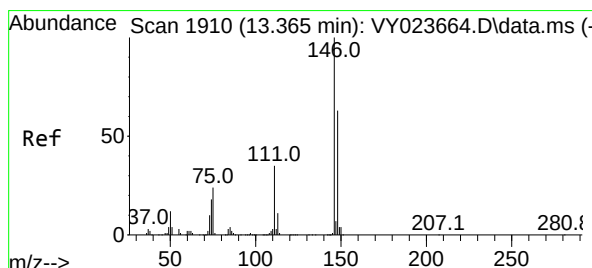
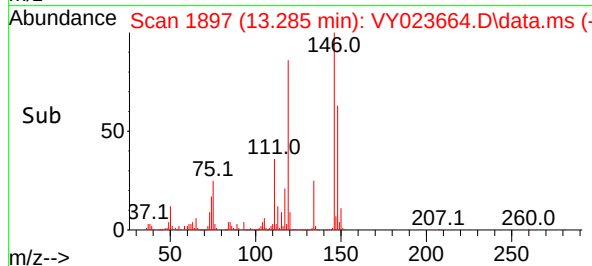
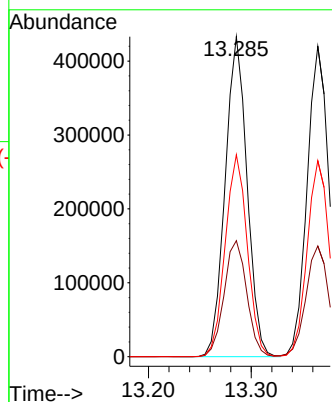
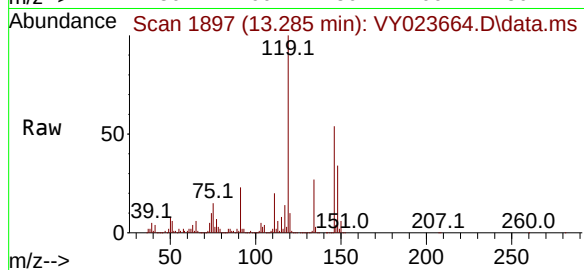
148 63.7 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 49.241 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

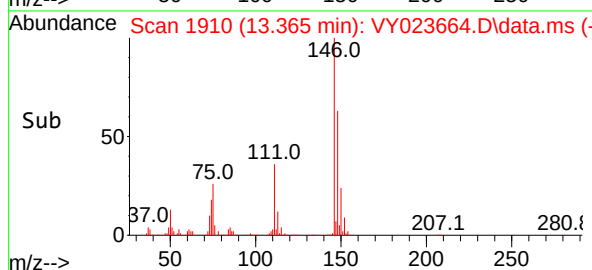
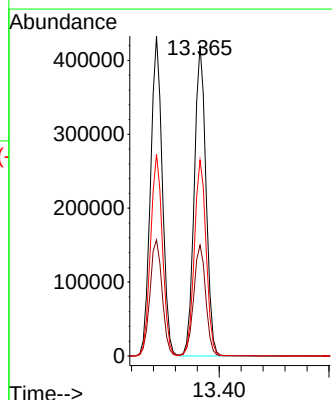
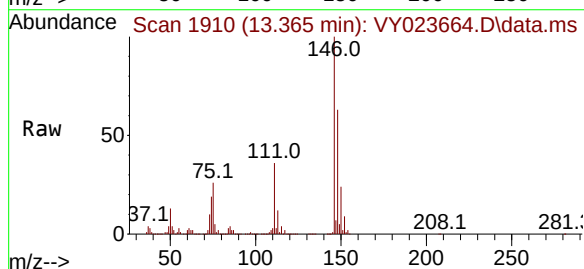
Tgt Ion:146 Resp: 625847

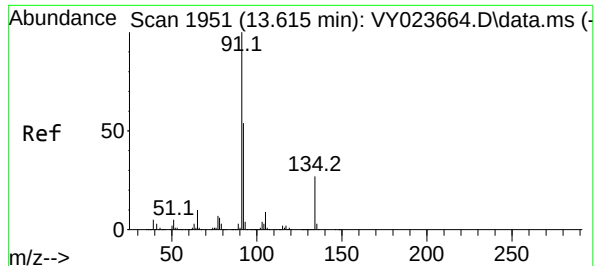
Ion Ratio Lower Upper

146 100

111 36.5 18.3 54.8

148 63.5 31.8 95.3





#89

n-Butylbenzene

Concen: 52.370 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 1042799

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

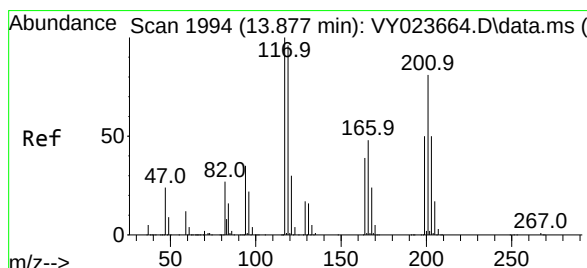
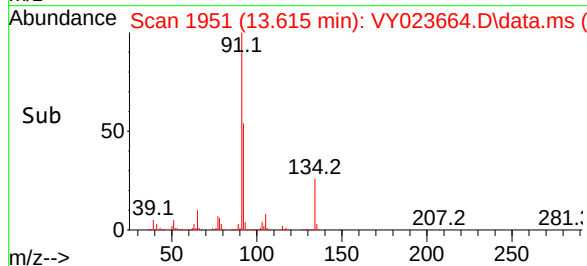
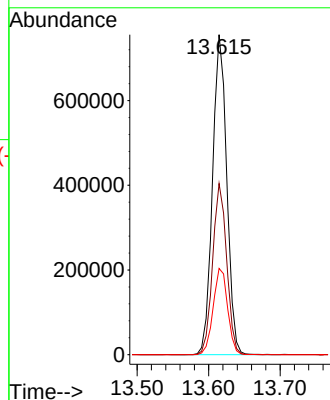
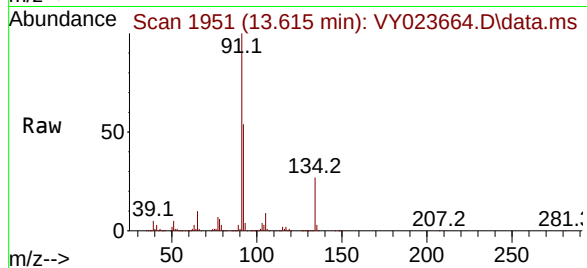
134 27.4 13.7 41.1

Manual Integrations

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Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 49.183 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023664.D

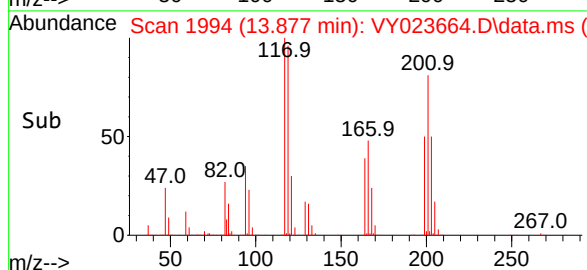
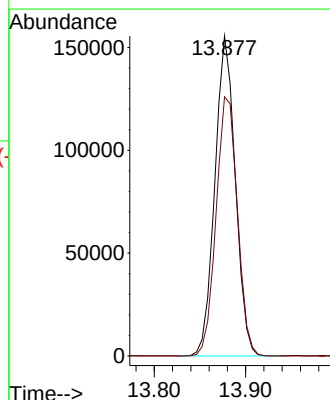
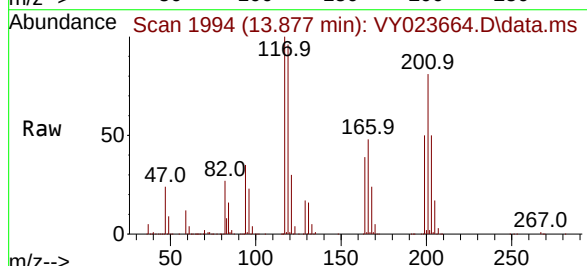
Acq: 04 Nov 2025 10:42

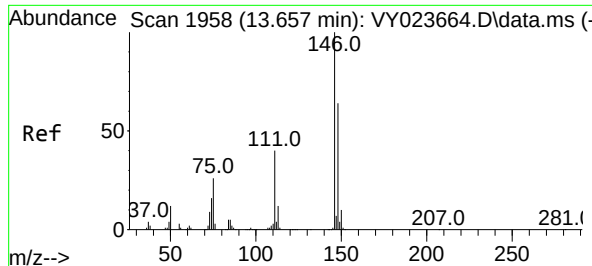
Tgt Ion:117 Resp: 242026

Ion Ratio Lower Upper

117 100

201 84.5 42.3 126.8





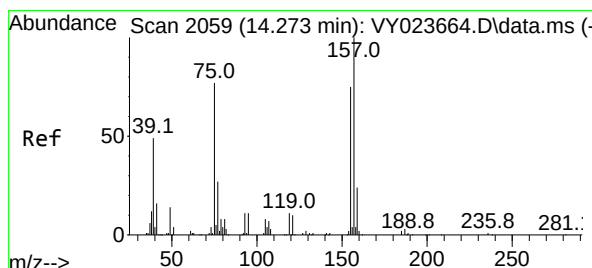
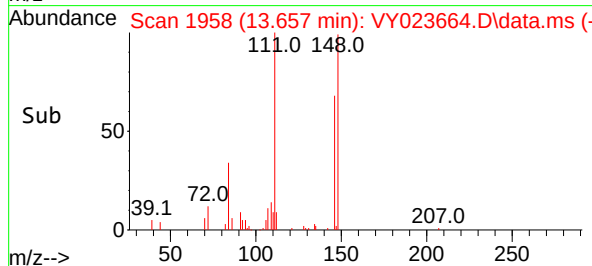
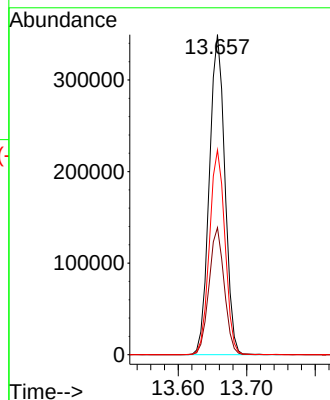
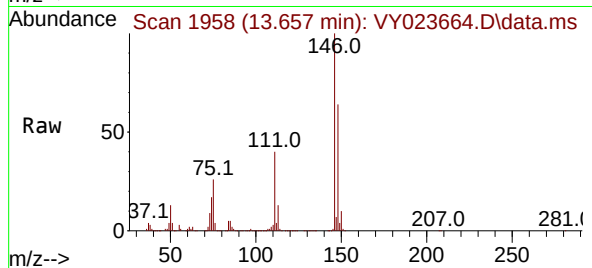
#91
1,2-Dichlorobenzene
Concen: 49.400 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 55083
Ion Ratio Lower Upper
146 100
111 39.0 19.5 58.5
148 63.9 31.9 95.9

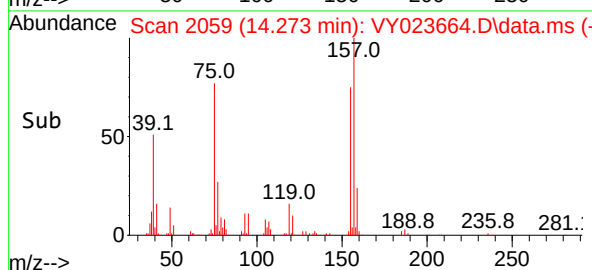
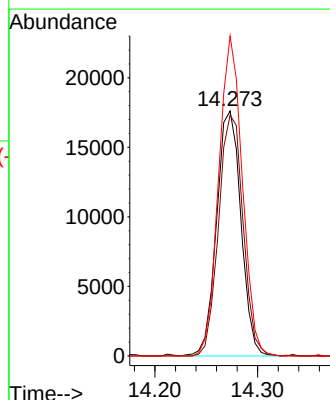
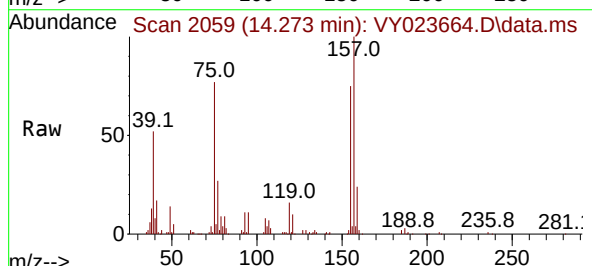
Manual Integrations
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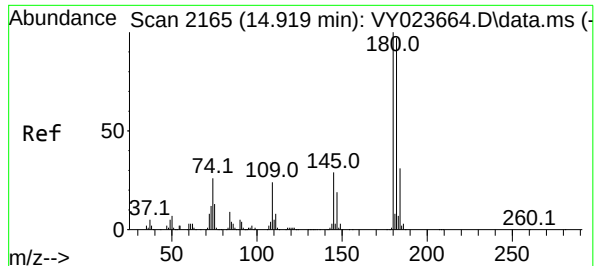
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.355 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023664.D
Acq: 04 Nov 2025 10:42

Tgt Ion: 75 Resp: 28889
Ion Ratio Lower Upper
75 100
155 98.8 49.4 148.2
157 126.5 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 50.677 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 323218

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

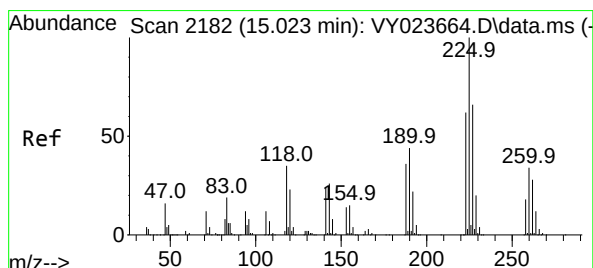
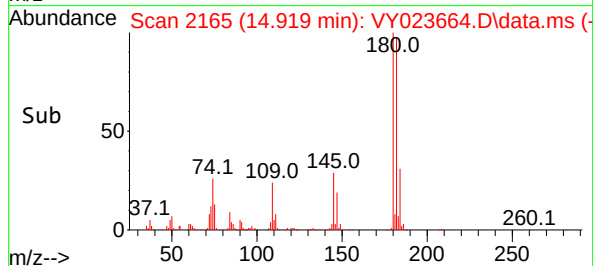
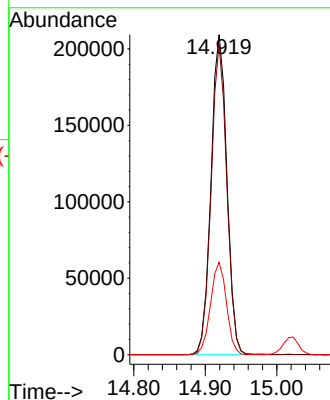
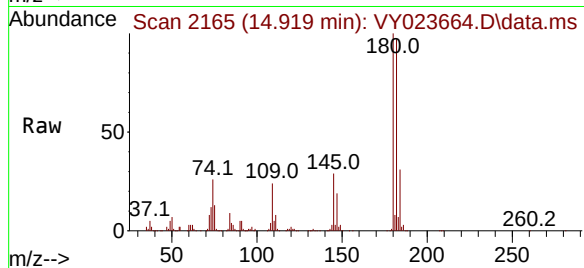
145 28.9 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 50.032 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

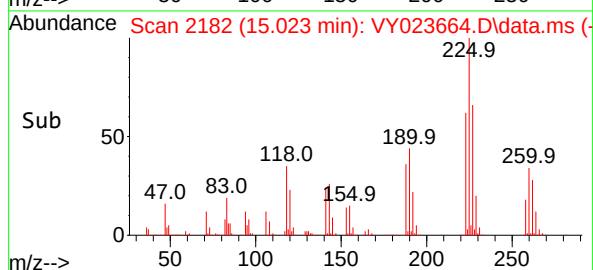
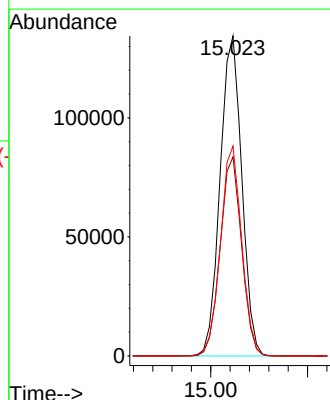
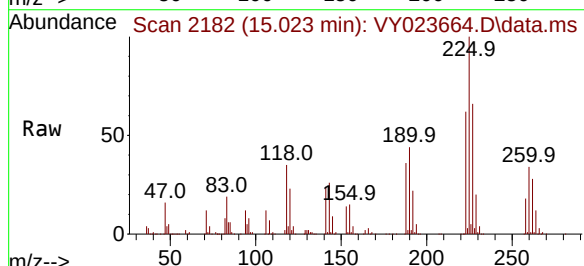
Tgt Ion:225 Resp: 209077

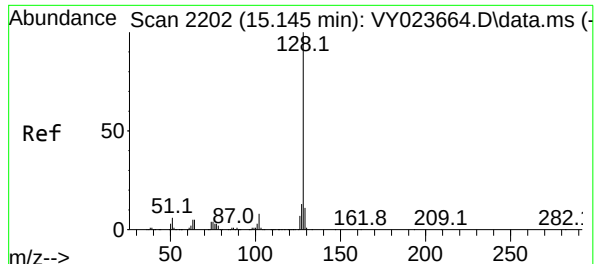
Ion Ratio Lower Upper

225 100

223 61.5 30.8 92.3

227 64.1 32.0 96.2





#95

Naphthalene

Concen: 44.734 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tgt Ion:128 Resp: 491880

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

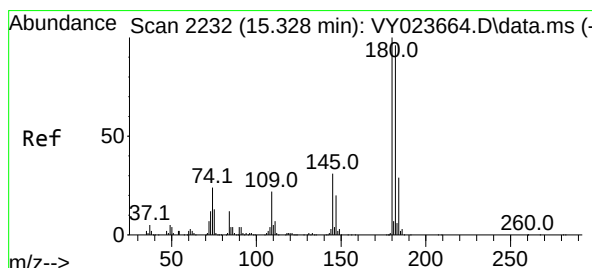
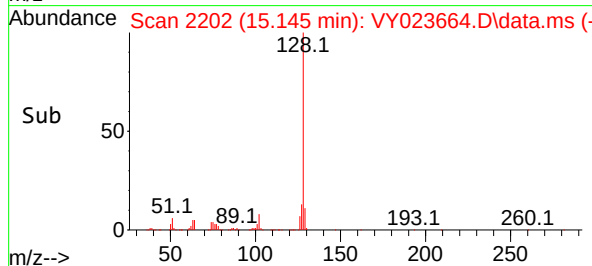
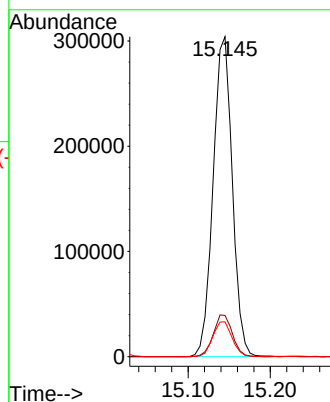
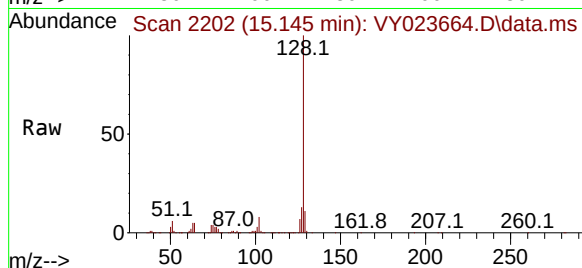
129 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#96

1,2,3-Trichlorobenzene

Concen: 51.002 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023664.D

Acq: 04 Nov 2025 10:42

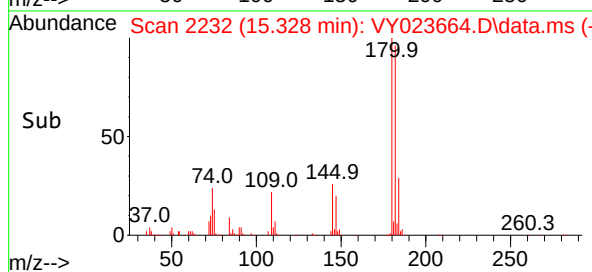
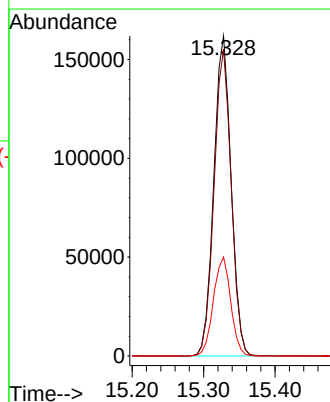
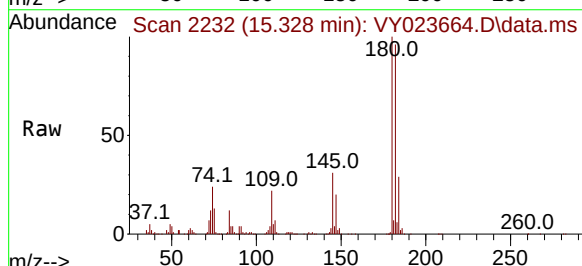
Tgt Ion:180 Resp: 271777

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

145 31.0 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023665.D
 Acq On : 04 Nov 2025 11:05
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 05 04:29:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	565663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	831963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	740642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	370503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	480881	99.661	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.320%#			
35) Dibromofluoromethane	7.634	113	529343	101.812	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 203.620%#			
50) Toluene-d8	10.109	98	2036678	105.160	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.320%#			
62) 4-Bromofluorobenzene	12.402	95	665813	106.305	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 212.600%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	321162	86.493	ug/l	99
3) Chloromethane	2.074	50	479848	92.348	ug/l	99
4) Vinyl Chloride	2.208	62	629525	93.106	ug/l	99
5) Bromomethane	2.592	94	525066	92.319	ug/l	98
6) Chloroethane	2.733	64	445045	95.235	ug/l	99
7) Trichlorofluoromethane	3.056	101	884872	92.924	ug/l	100
8) Diethyl Ether	3.458	74	260634	102.064	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	496959	94.721	ug/l	100
10) Methyl Iodide	4.007	142	661306	106.741	ug/l	99
11) Tert butyl alcohol	4.860	59	149691	481.121	ug/l	98
12) 1,1-Dichloroethene	3.793	96	499345	98.802	ug/l	100
13) Acrolein	3.653	56	191158	478.014	ug/l	99
14) Allyl chloride	4.385	41	652452	106.061	ug/l	99
15) Acrylonitrile	5.061	53	521023	533.895	ug/l	99
16) Acetone	3.866	43	591155	492.879	ug/l	100
17) Carbon Disulfide	4.110	76	1505201	97.036	ug/l	99
18) Methyl Acetate	4.385	43	289722	109.515	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	1280442	109.260	ug/l	100
20) Methylene Chloride	4.616	84	538051	92.927	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	576752	101.211	ug/l	97
22) Diisopropyl ether	6.025	45	1476751	107.734	ug/l	98
23) Vinyl Acetate	5.964	43	4052575	554.021	ug/l	99
24) 1,1-Dichloroethane	5.921	63	920205	100.771	ug/l	99
25) 2-Butanone	6.890	43	716857	516.946	ug/l	100
26) 2,2-Dichloropropane	6.890	77	836165	99.545	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	677651	104.123	ug/l	100
28) Bromochloromethane	7.250	49	351637	100.569	ug/l	99
29) Tetrahydrofuran	7.262	42	407174	551.338	ug/l	98
30) Chloroform	7.421	83	1015475	99.668	ug/l	100
31) Cyclohexane	7.701	56	785863	98.820	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	908433	99.760	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702866	101.168	ug/l	99
37) Ethyl Acetate	6.988	43	287737	106.984	ug/l	99
38) Carbon Tetrachloride	7.817	117	821264	100.329	ug/l	99
39) Methylcyclohexane	9.109	83	946648	106.639	ug/l	99
40) Benzene	8.079	78	2238265	102.208	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023665.D
 Acq On : 04 Nov 2025 11:05
 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 :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:29:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	162465	113.249	ug/l	97
42) 1,2-Dichloroethane	8.158	62	564693	101.924	ug/l	99
43) Isopropyl Acetate	8.201	43	559293	110.678	ug/l #	87
44) Trichloroethene	8.866	130	626949	99.676	ug/l	97
45) 1,2-Dichloropropane	9.140	63	494430	102.300	ug/l	99
46) Dibromomethane	9.231	93	308450	103.001	ug/l	99
47) Bromodichloromethane	9.426	83	780217	103.338	ug/l	98
48) Methyl methacrylate	9.219	41	273819	114.688	ug/l	98
49) 1,4-Dioxane	9.231	88	66284	2162.837	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	1509447	561.674	ug/l	99
52) Toluene	10.170	92	1494139	106.868	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	708290	110.869	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	824093	107.667	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	414987	103.695	ug/l	96
56) Ethyl methacrylate	10.438	69	529329	120.046	ug/l	98
57) 1,3-Dichloropropane	10.719	76	663870	104.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1213712	599.849	ug/l	99
59) 2-Hexanone	10.762	43	1099726	560.896	ug/l	99
60) Dibromochloromethane	10.914	129	577908	105.098	ug/l	100
61) 1,2-Dibromoethane	11.018	107	396076	105.457	ug/l	99
64) Tetrachloroethene	10.646	164	741118	96.137	ug/l	99
65) Chlorobenzene	11.438	112	1639055	101.655	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	583207	102.290	ug/l	99
67) Ethyl Benzene	11.518	91	2825731	108.283	ug/l	99
68) m/p-Xylenes	11.627	106	2241551	214.992	ug/l	99
69) o-Xylene	11.950	106	1062605	110.253	ug/l	99
70) Styrene	11.969	104	1753830	110.290	ug/l	100
71) Bromoform	12.133	173	351826	105.656	ug/l	99
73) Isopropylbenzene	12.255	105	2698043	108.880	ug/l	100
74) N-amyl acetate	12.066	43	491427	117.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	421715	106.557	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	294519m	98.221	ug/l	
77) Bromobenzene	12.530	156	677938	105.471	ug/l	98
78) n-propylbenzene	12.591	91	3116044	106.906	ug/l	99
79) 2-Chlorotoluene	12.676	91	1783319	105.435	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	2181015	108.328	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	142192	107.168	ug/l	99
82) 4-Chlorotoluene	12.773	91	1818934	104.277	ug/l	100
83) tert-Butylbenzene	12.993	119	2013210	109.789	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	2172108	108.924	ug/l	99
85) sec-Butylbenzene	13.176	105	2838051	107.306	ug/l	100
86) p-Isopropyltoluene	13.286	119	2438892	108.929	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	1292429	102.159	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1243927	100.096	ug/l	99
89) n-Butylbenzene	13.615	91	2131963	109.503	ug/l	98
90) Hexachloroethane	13.877	117	492034	102.262	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1107343	101.567	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	64052	105.113	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	691314	110.855	ug/l	100
94) Hexachlorobutadiene	15.023	225	415145	101.602	ug/l	99
95) Naphthalene	15.139	128	1145310	99.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	579136	111.152	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023665.D
Acq On : 04 Nov 2025 11:05
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 :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:29:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 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\VY110425\
 Data File : VY023665.D
 Acq On : 04 Nov 2025 11:05
 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 :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

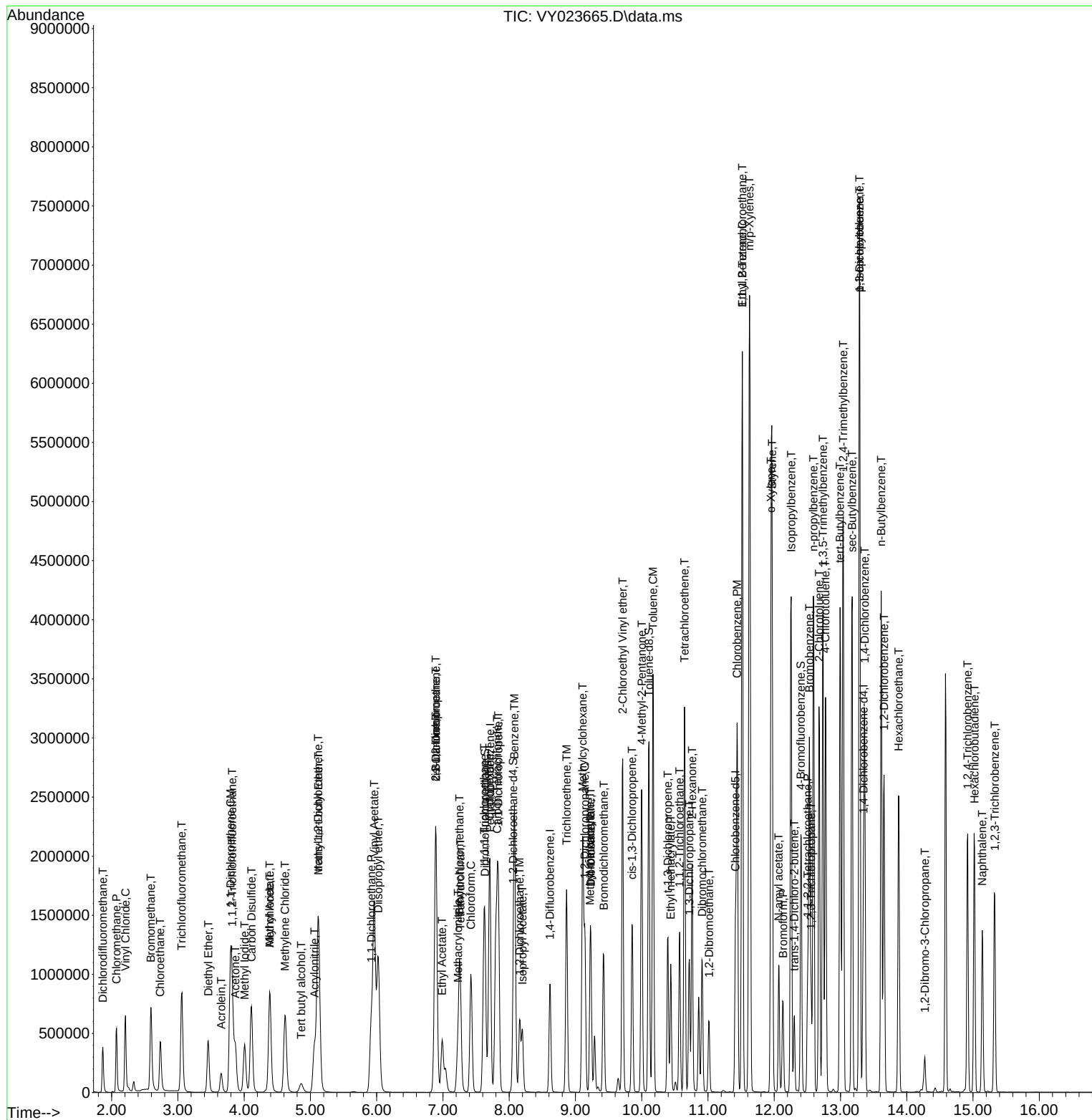
Quant Time: Nov 05 04:29:43 2025

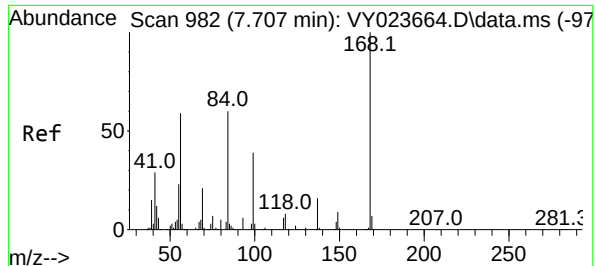
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:24:21 2025

Response via : Initial Calibration





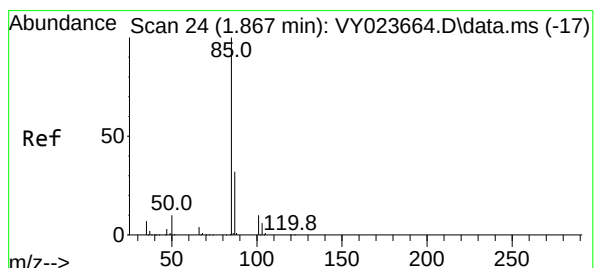
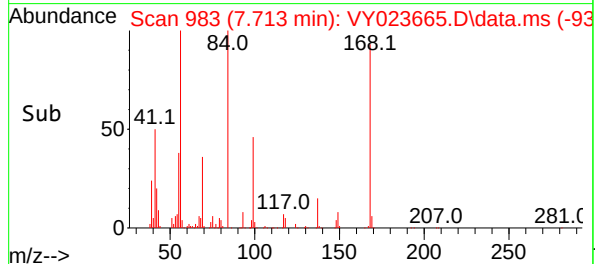
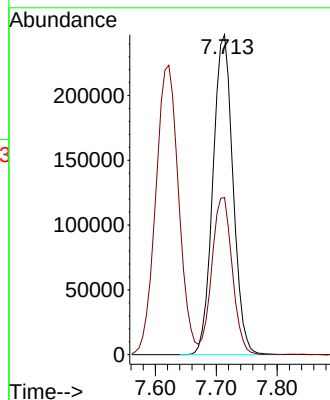
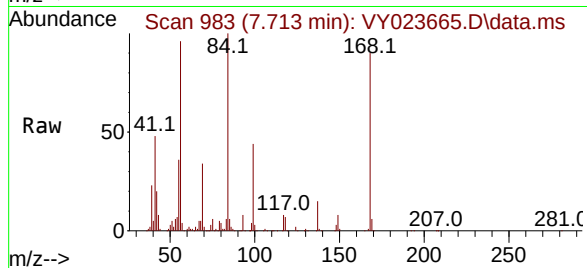
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 56566
Ion Ratio Lower Upper
168 100
99 49.0 41.0 61.4

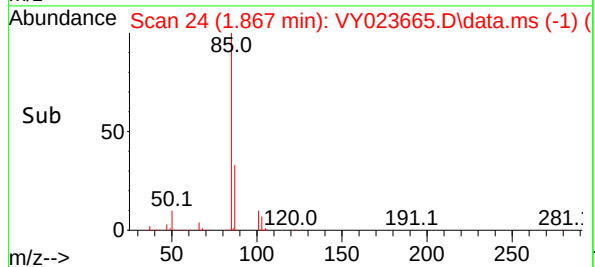
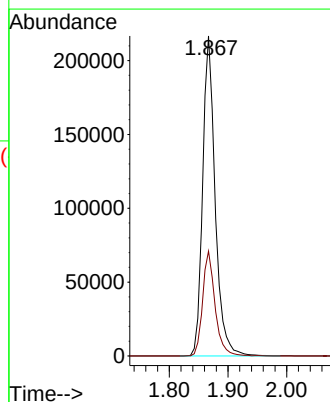
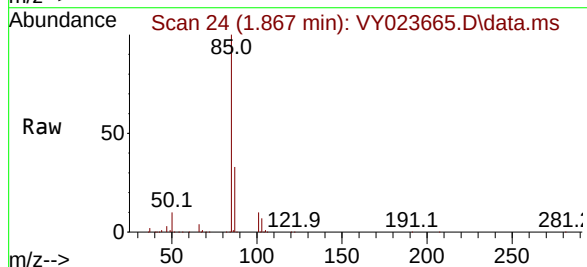
Manual Integrations
APPROVED

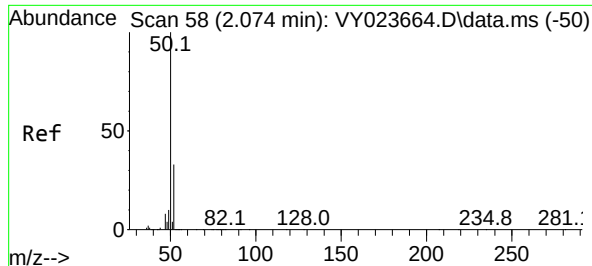
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 86.493 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 85 Resp: 321162
Ion Ratio Lower Upper
85 100
87 32.8 16.2 48.6





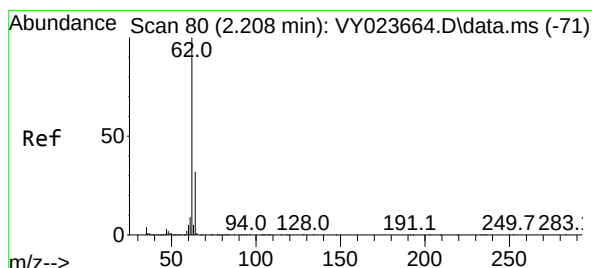
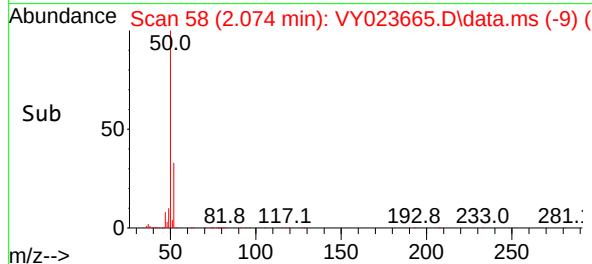
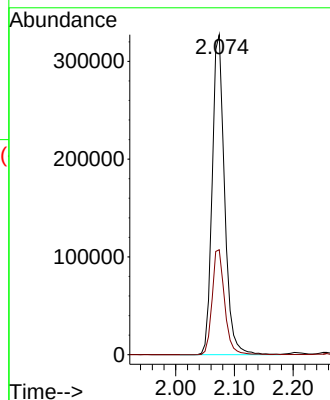
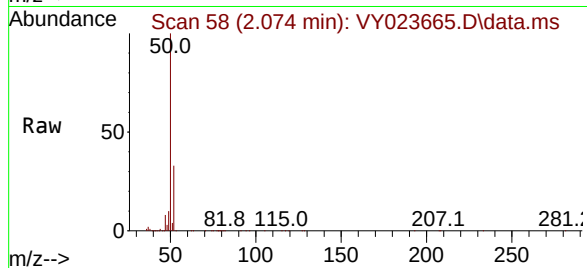
#3
Chloromethane
Concen: 92.348 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 479848
Ion Ratio Lower Upper
50 100
52 32.8 26.5 39.7

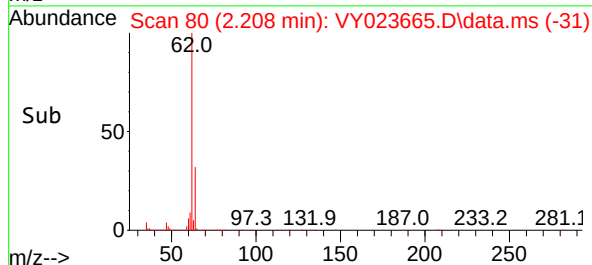
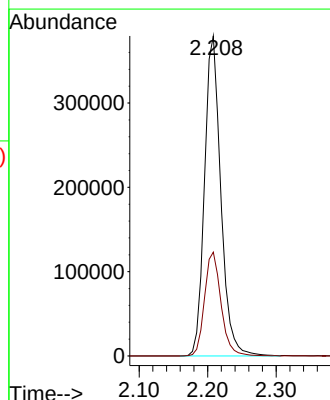
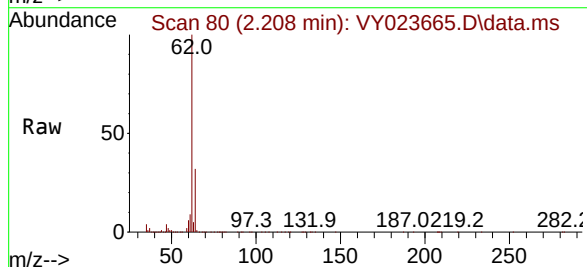
Manual Integrations
APPROVED

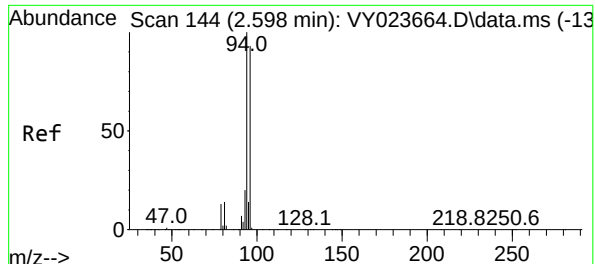
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#4
Vinyl Chloride
Concen: 93.106 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 62 Resp: 629525
Ion Ratio Lower Upper
62 100
64 32.5 25.7 38.5





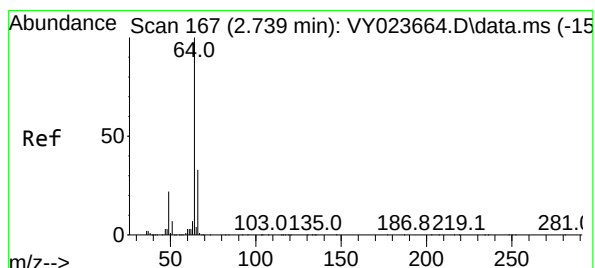
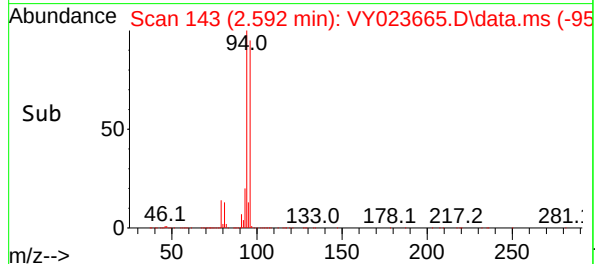
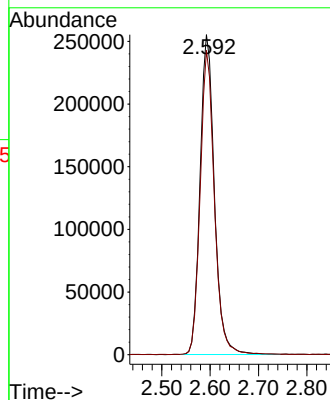
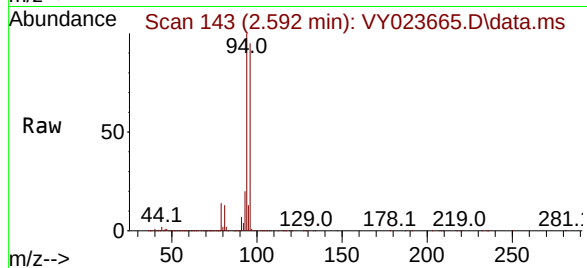
#5
Bromomethane
Concen: 92.319 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 525060
Ion Ratio Lower Upper
94 100
96 95.0 74.4 111.6

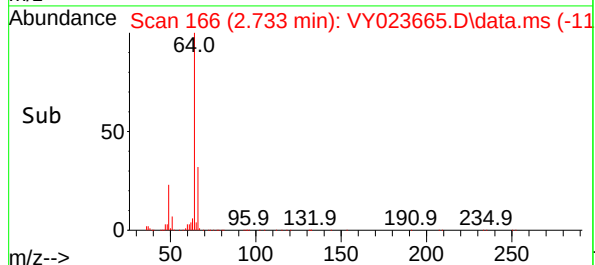
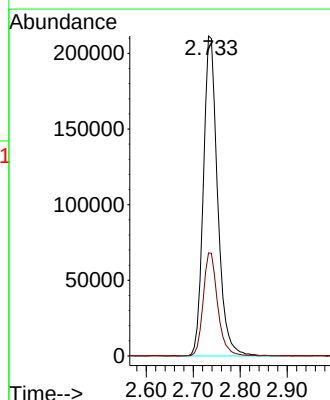
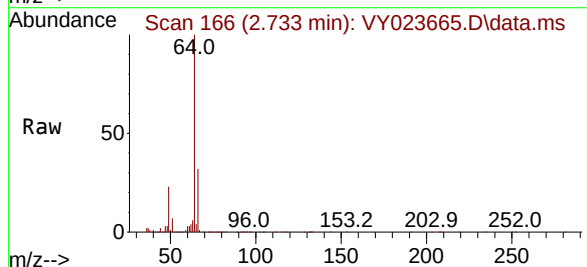
Manual Integrations
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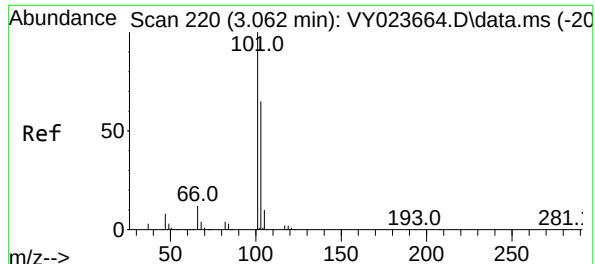
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 95.235 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 64 Resp: 445045
Ion Ratio Lower Upper
64 100
66 32.2 26.2 39.4





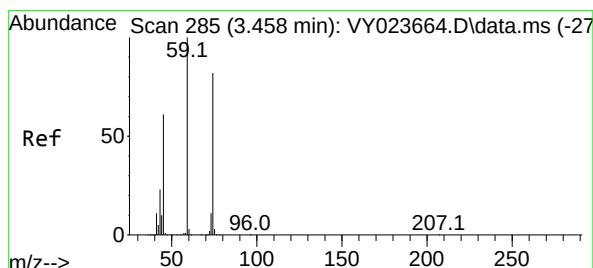
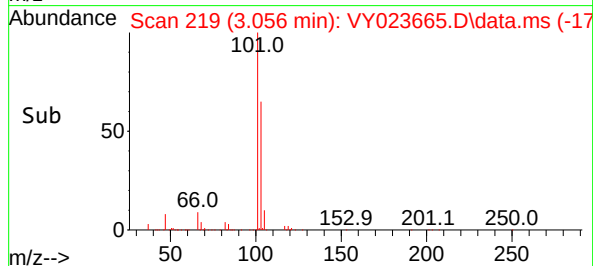
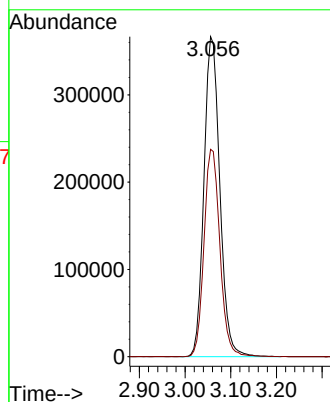
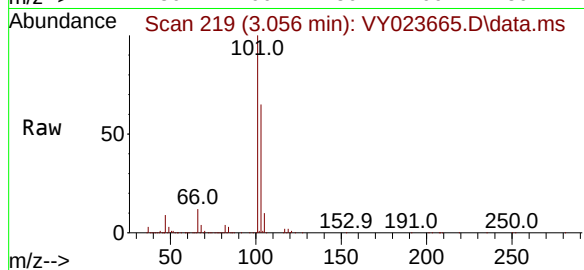
#7
Trichlorofluoromethane
Concen: 92.924 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 884872
Ion Ratio Lower Upper
101 100
103 64.8 52.1 78.1

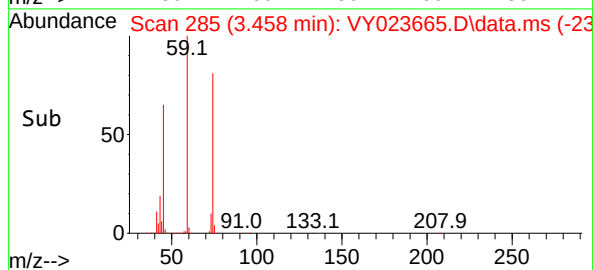
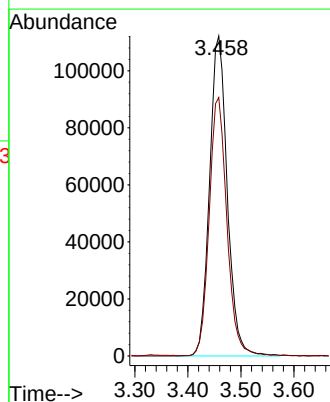
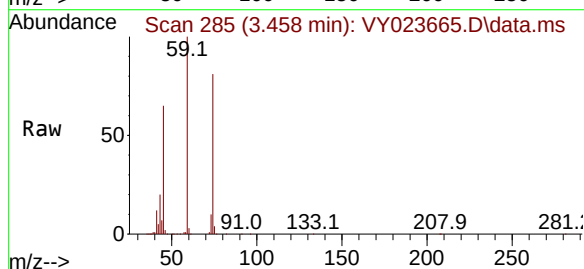
Manual Integrations
APPROVED

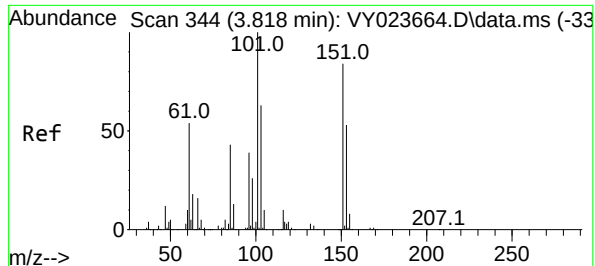
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 102.064 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 74 Resp: 260634
Ion Ratio Lower Upper
74 100
45 80.7 40.6 121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.721 ug/l

RT: 3.818 min Scan# 344

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:101 Resp: 496959

Ion Ratio Lower Upper

101 100

85 43.2 34.4 51.6

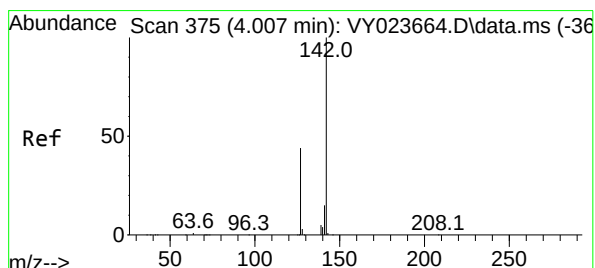
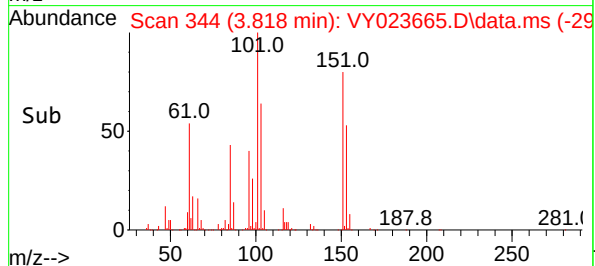
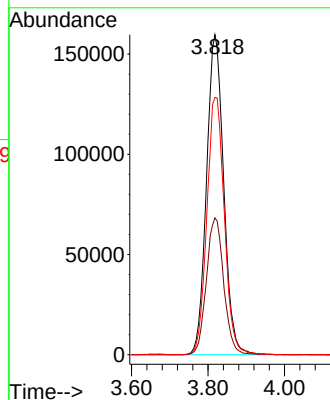
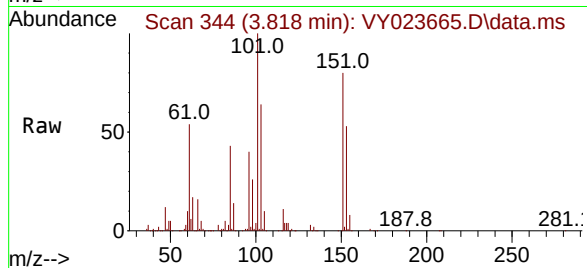
151 82.0 65.6 98.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#10

Methyl Iodide

Concen: 106.741 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

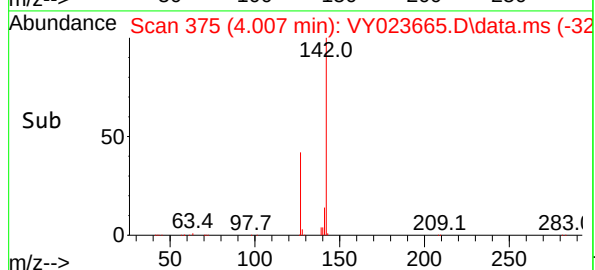
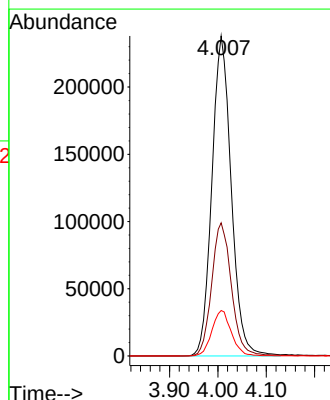
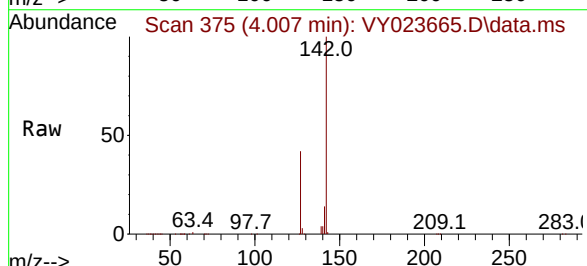
Tgt Ion:142 Resp: 661306

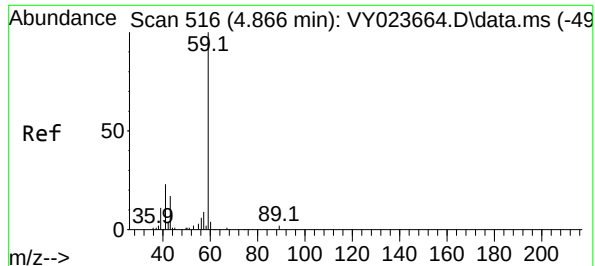
Ion Ratio Lower Upper

142 100

127 42.6 34.6 51.8

141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 481.121 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 14969

Ion Ratio Lower Upper

59 100

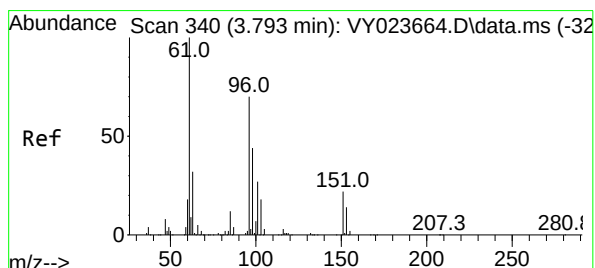
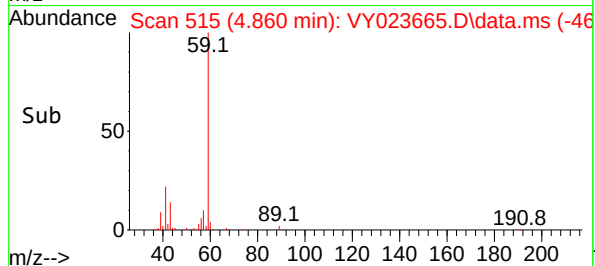
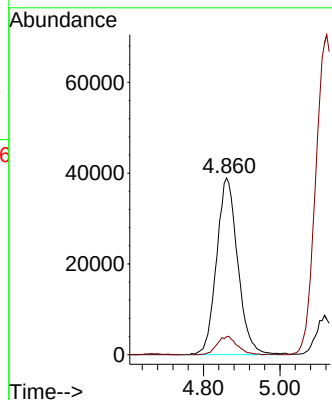
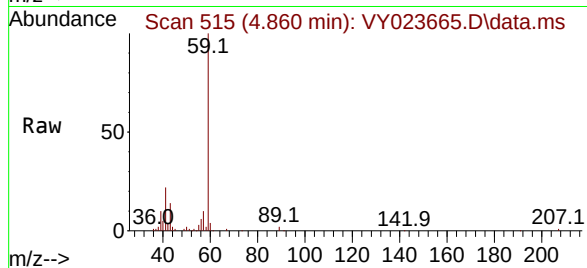
57 9.9 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 98.802 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

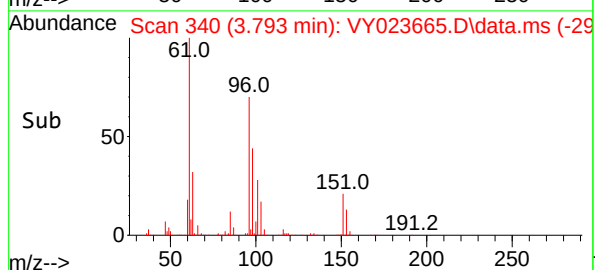
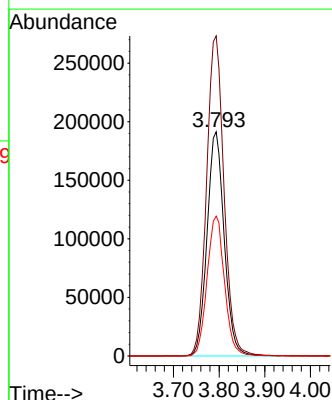
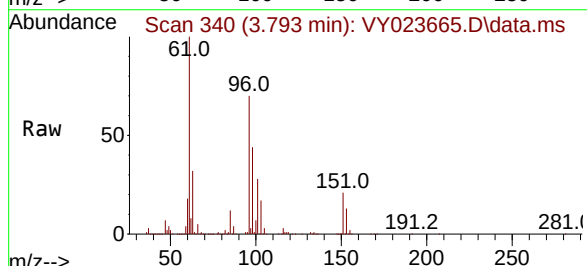
Tgt Ion: 96 Resp: 499345

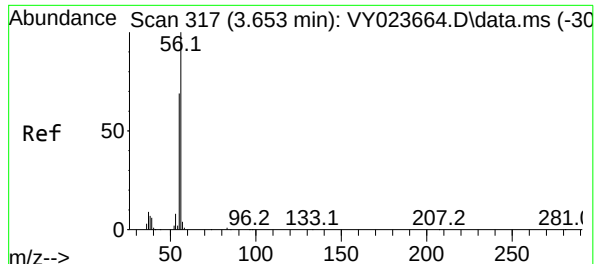
Ion Ratio Lower Upper

96 100

61 142.8 114.0 171.0

98 62.4 50.2 75.2





#13

Acrolein

Concen: 478.014 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 191158

Ion Ratio Lower Upper

56 100

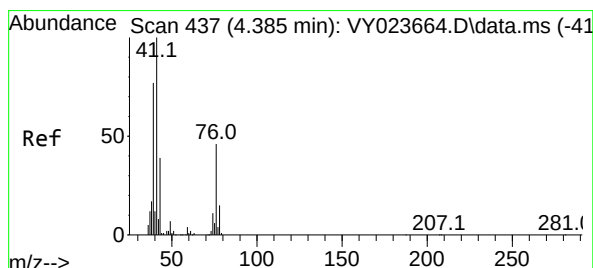
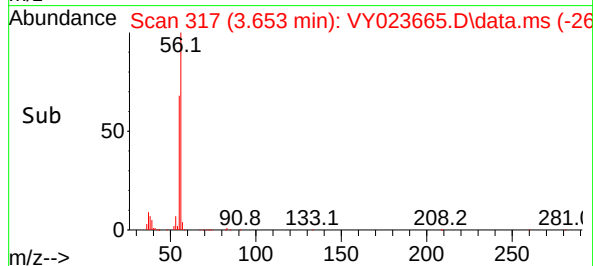
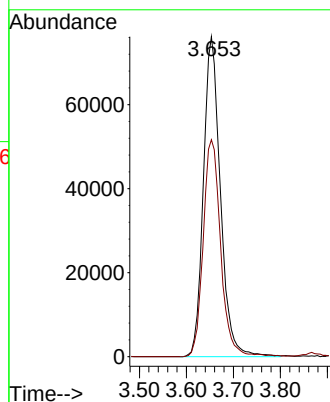
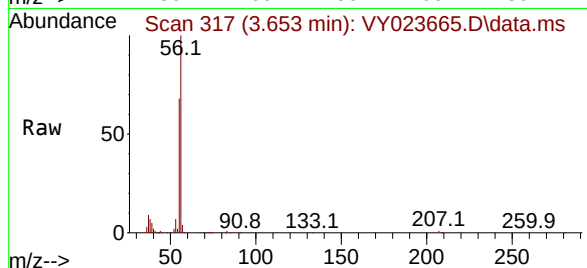
55 69.8 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 106.061 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

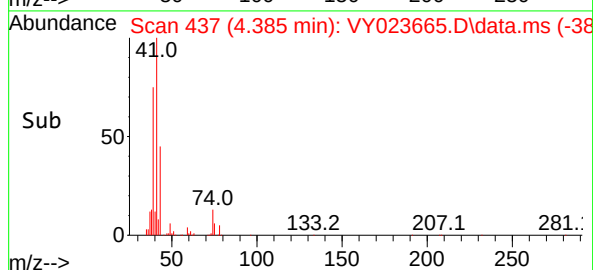
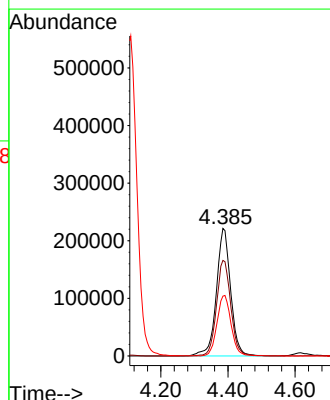
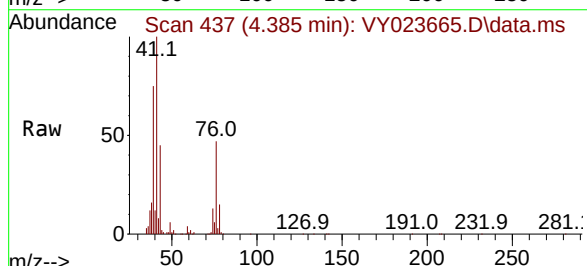
Tgt Ion: 41 Resp: 652452

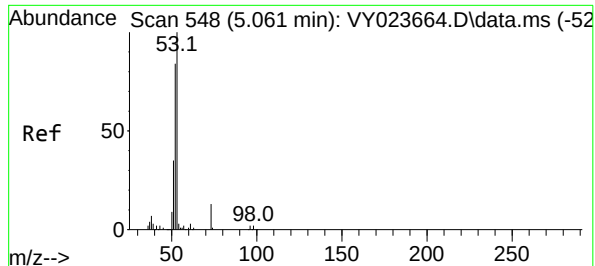
Ion Ratio Lower Upper

41 100

39 74.9 60.4 90.6

76 46.6 38.0 57.0





#15

Acrylonitrile

Concen: 533.895 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 52102

Ion Ratio Lower Upper

53 100

52 80.3 64.9 97.3

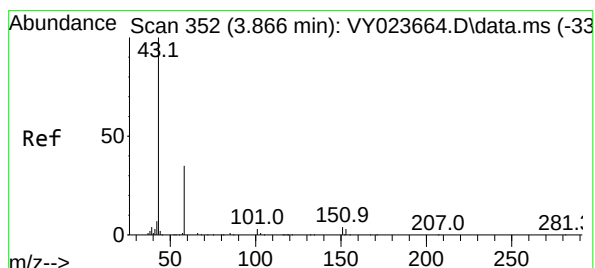
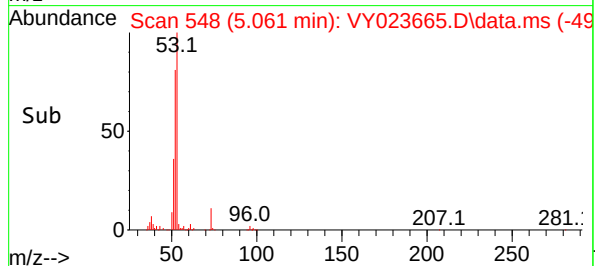
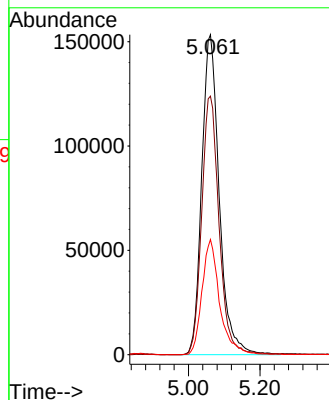
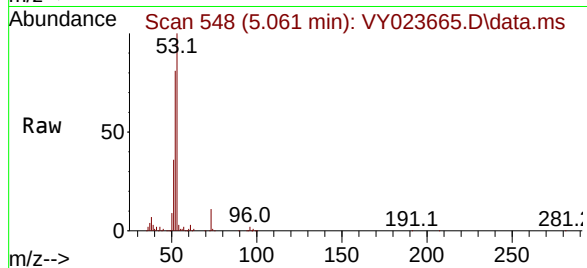
51 36.4 29.4 44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 492.879 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023665.D

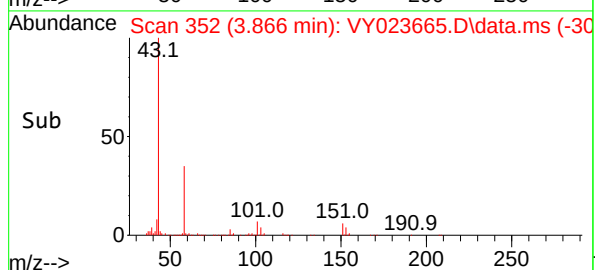
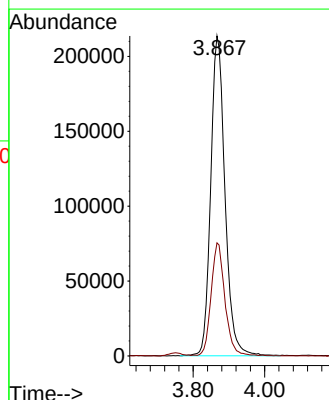
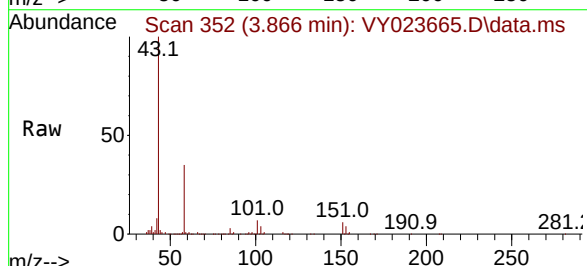
Acq: 04 Nov 2025 11:05

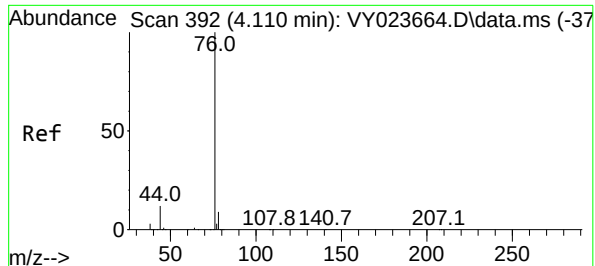
Tgt Ion: 43 Resp: 591155

Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.4





#17

Carbon Disulfide

Concen: 97.036 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 150520

Ion Ratio Lower Upper

76 100

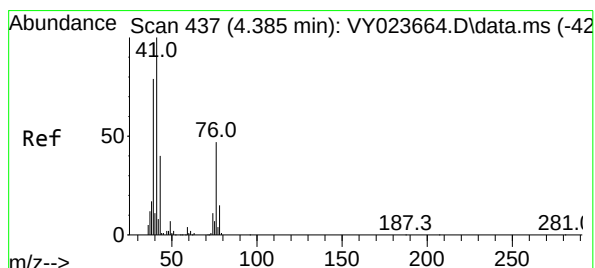
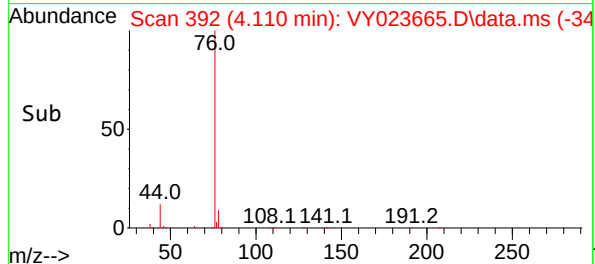
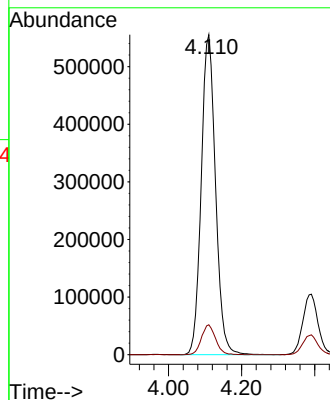
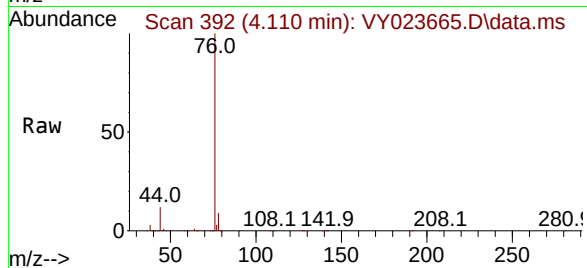
78 9.3 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#18

Methyl Acetate

Concen: 109.515 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023665.D

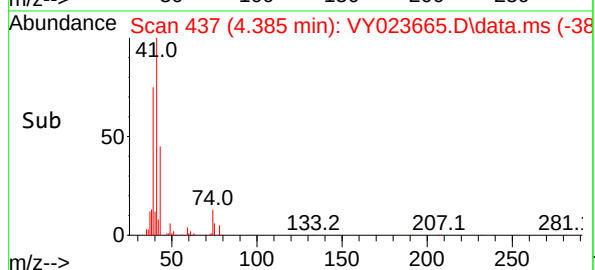
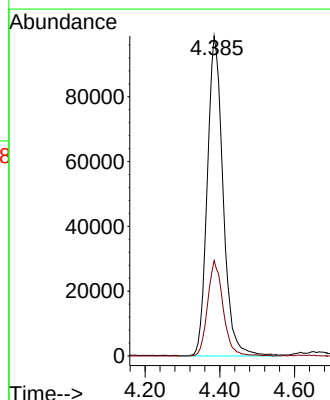
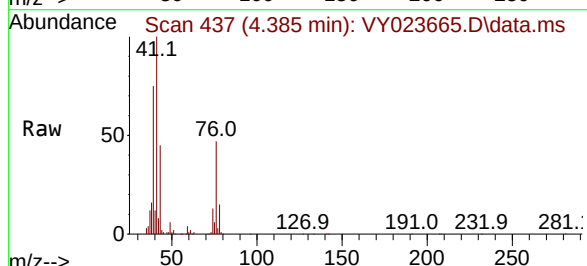
Acq: 04 Nov 2025 11:05

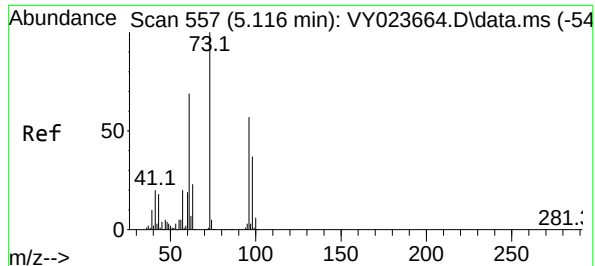
Tgt Ion: 43 Resp: 289722

Ion Ratio Lower Upper

43 100

74 29.1 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 109.260 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 128044

Ion Ratio Lower Upper

73 100

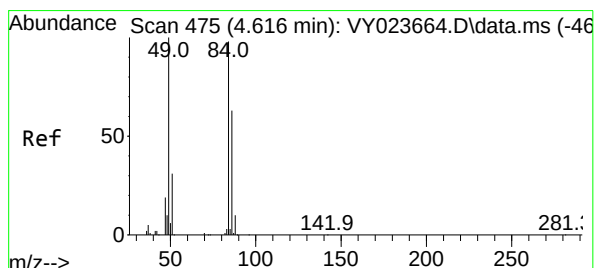
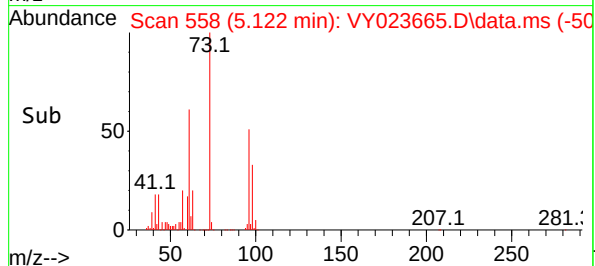
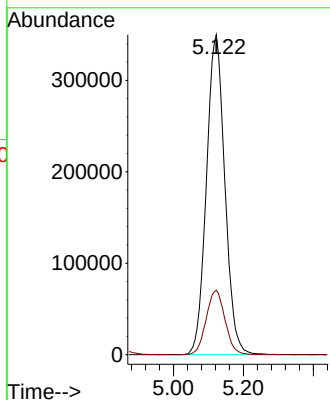
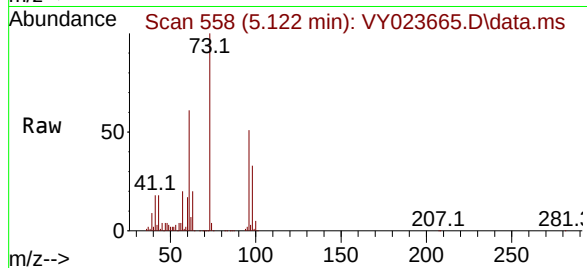
57 20.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 92.927 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Tgt Ion: 84 Resp: 538051

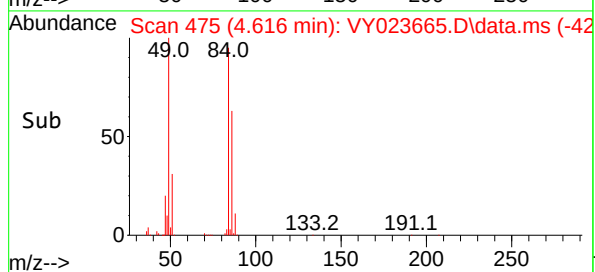
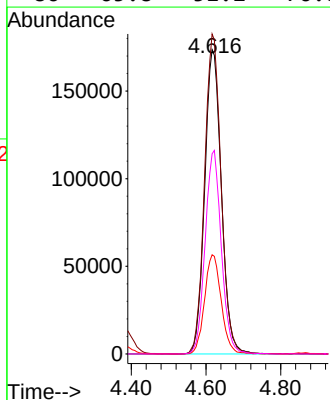
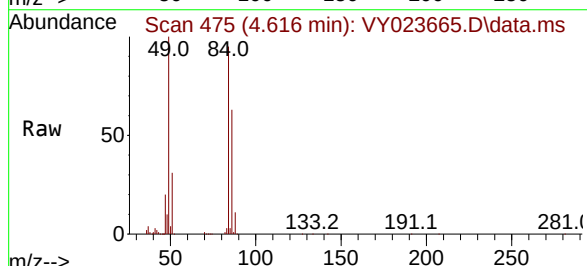
Ion Ratio Lower Upper

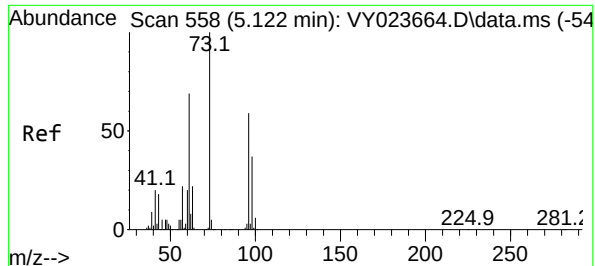
84 100

49 105.2 81.5 122.3

51 32.6 25.5 38.3

86 65.8 51.2 76.8





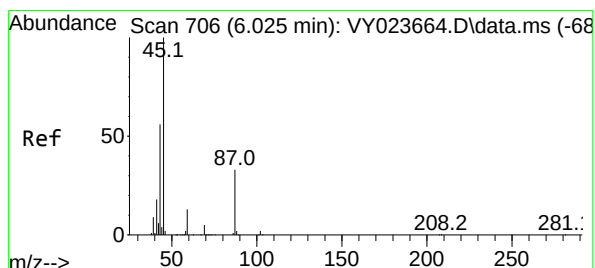
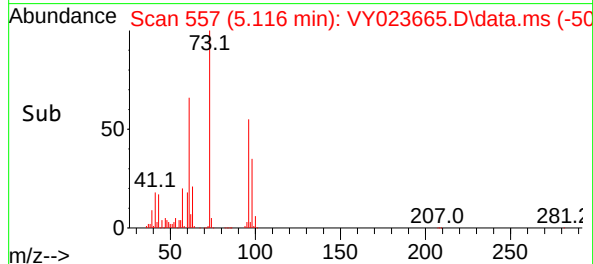
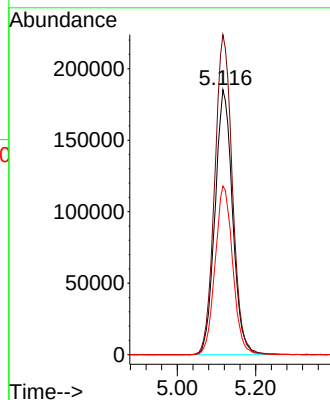
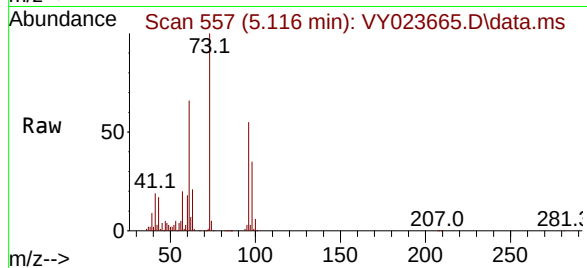
#21
trans-1,2-Dichloroethene
Concen: 101.211 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 576752
Ion Ratio Lower Upper
96 100
61 120.8 93.3 139.9
98 63.6 50.6 75.8

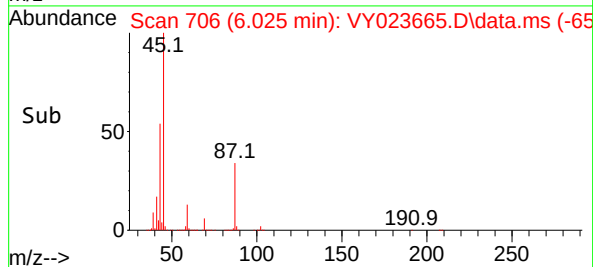
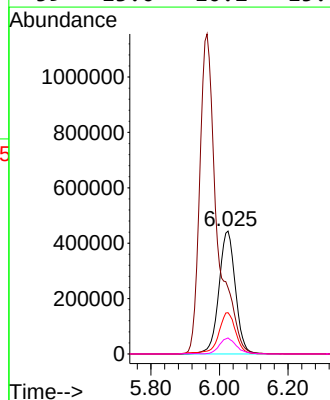
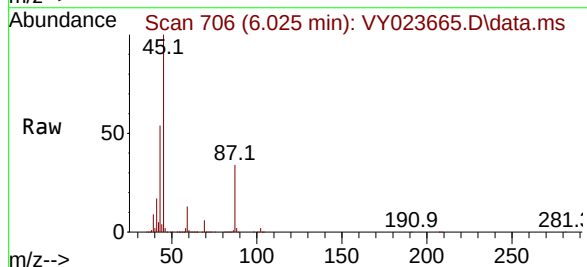
Manual Integrations
APPROVED

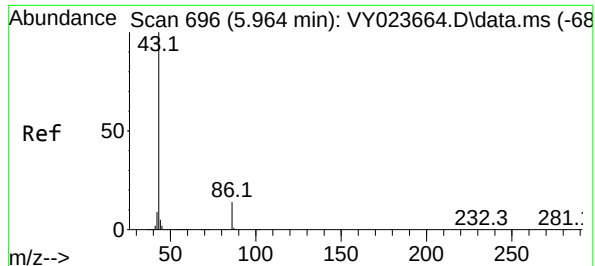
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#22
Diisopropyl ether
Concen: 107.734 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 45 Resp: 1476751
Ion Ratio Lower Upper
45 100
43 53.9 44.7 67.1
87 33.6 27.2 40.8
59 13.0 10.2 15.4





#23

Vinyl Acetate

Concen: 554.021 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 405257

Ion Ratio Lower Upper

43

100

86

13.3

10.9

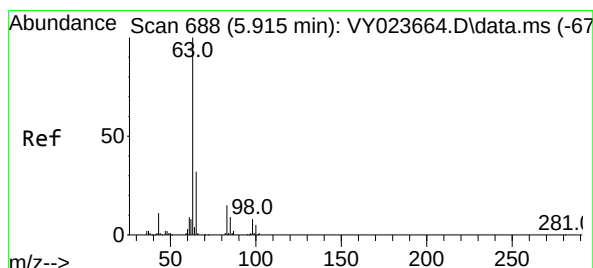
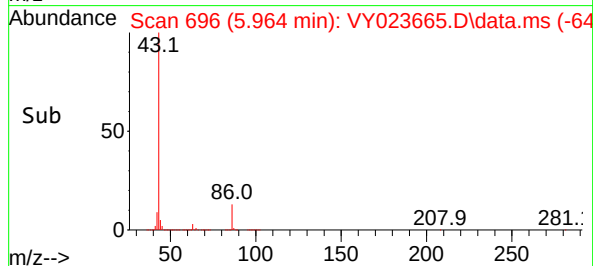
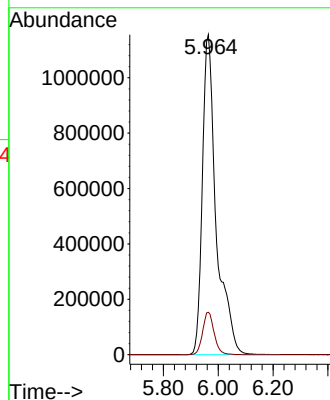
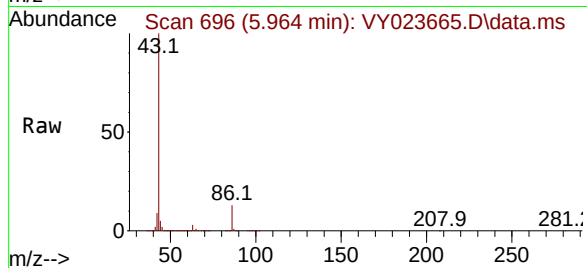
16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 100.771 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Tgt Ion: 63 Resp: 920205

Ion Ratio Lower Upper

63

100

98

8.3

4.0

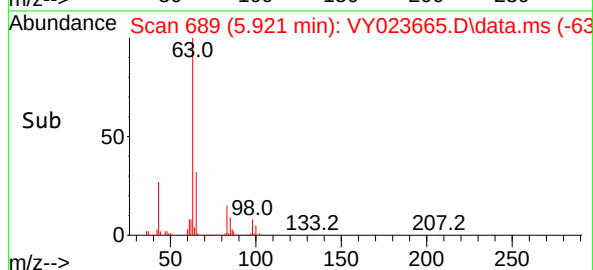
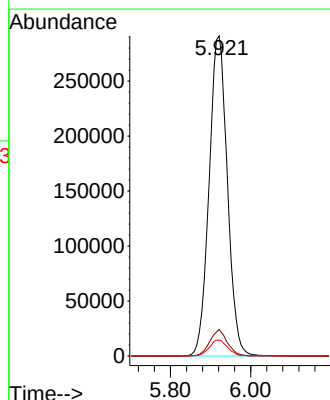
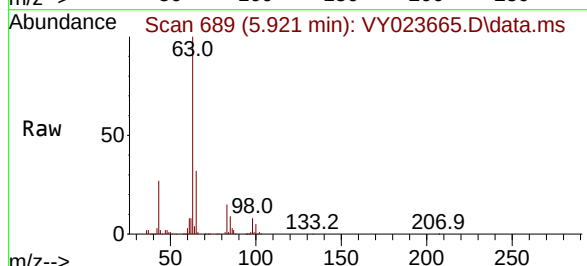
11.9

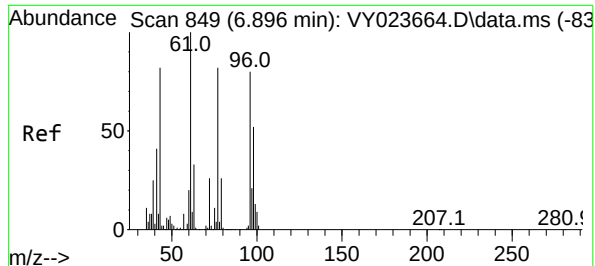
100

5.0

2.6

7.8





#25

2-Butanone

Concen: 516.946 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 71685

Ion Ratio Lower Upper

43 100

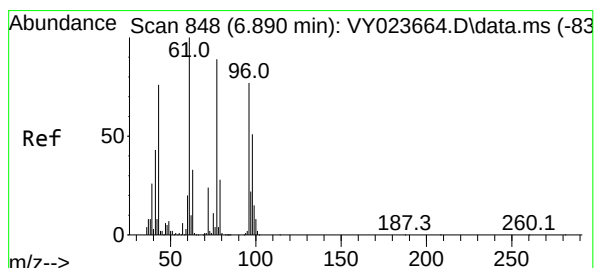
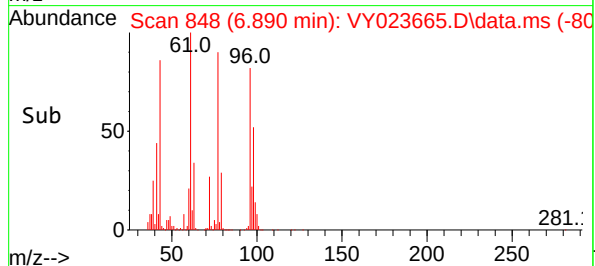
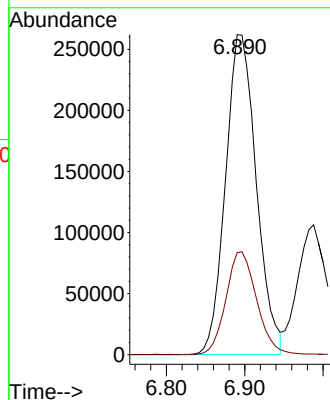
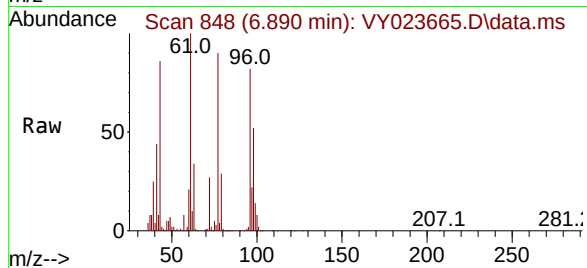
72 31.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 99.545 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023665.D

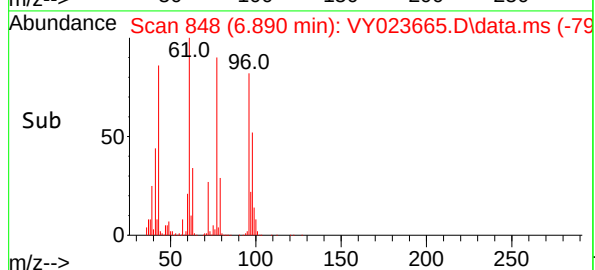
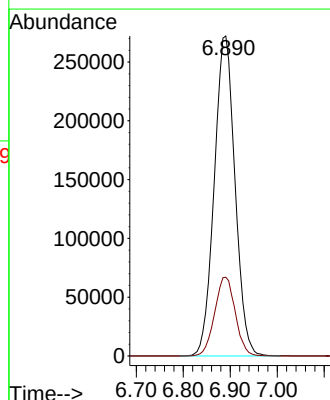
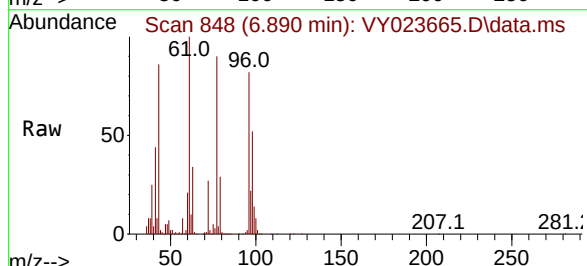
Acq: 04 Nov 2025 11:05

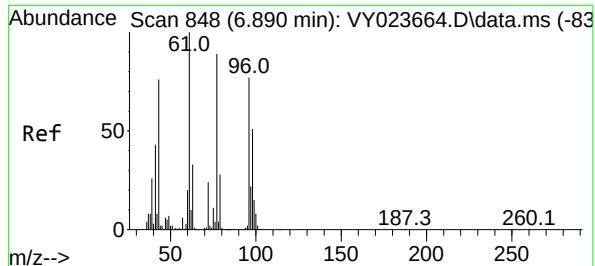
Tgt Ion: 77 Resp: 836165

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 104.123 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 67765

Ion Ratio Lower Upper

96 100

61 127.0 0.0 255.0

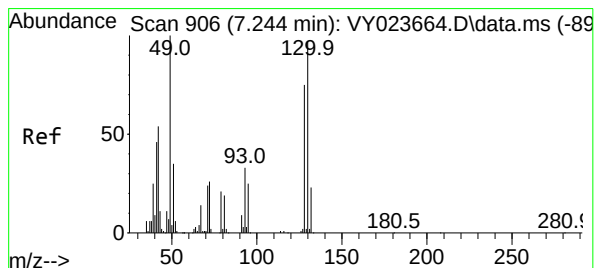
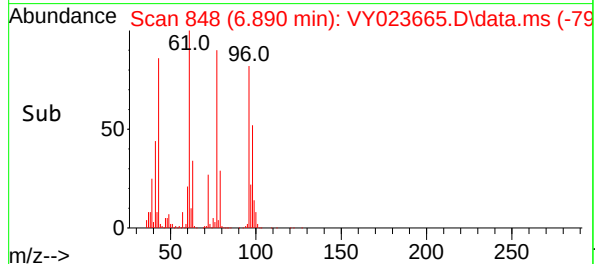
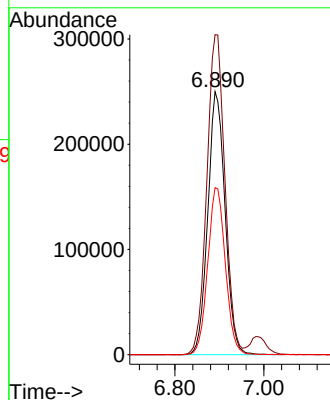
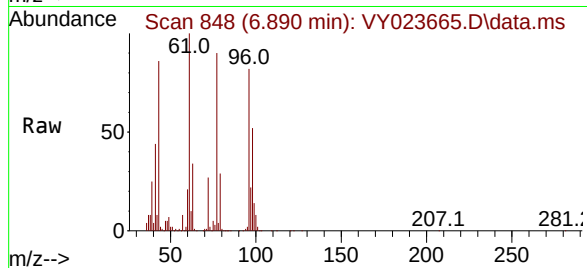
98 64.7 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 100.569 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

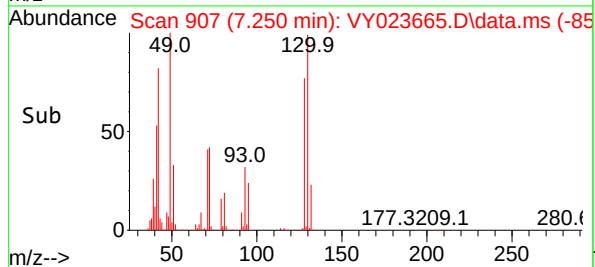
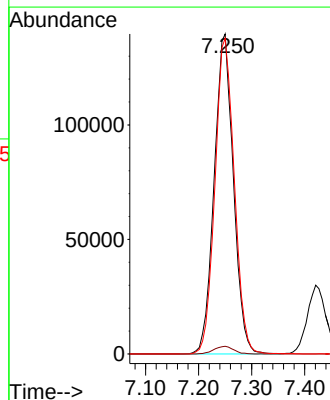
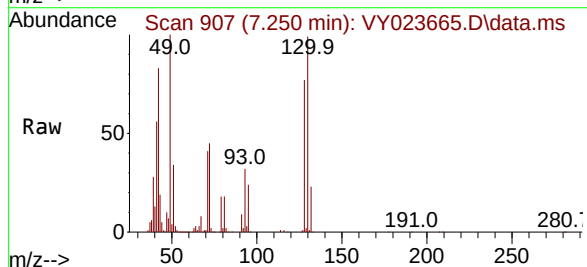
Tgt Ion: 49 Resp: 351637

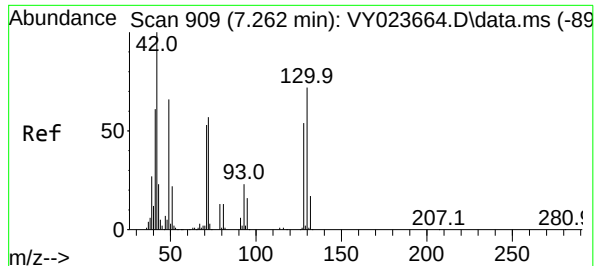
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 99.3 80.1 120.1





#29

Tetrahydrofuran

Concen: 551.338 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 407174

Ion Ratio Lower Upper

42 100

72 52.9 43.4 65.2

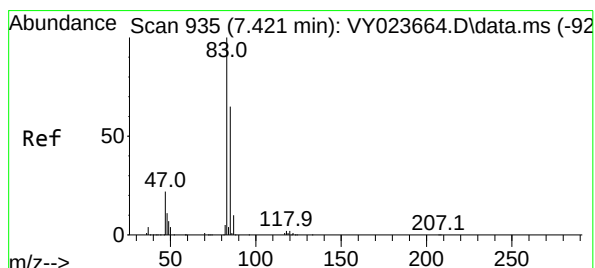
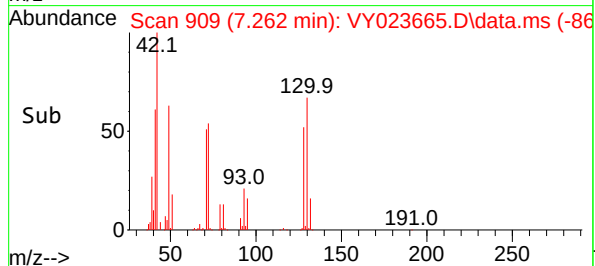
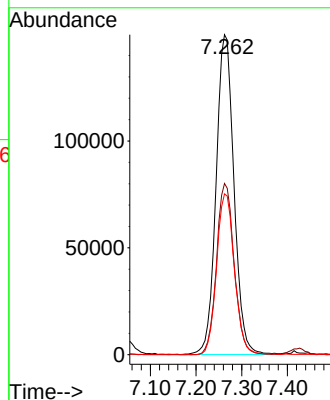
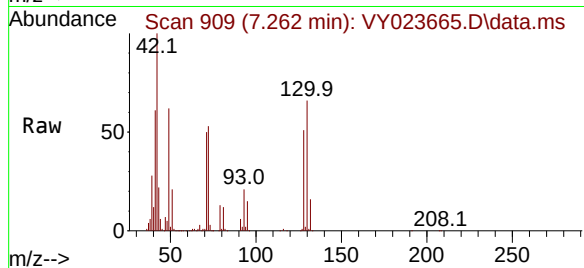
71 50.1 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 99.668 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023665.D

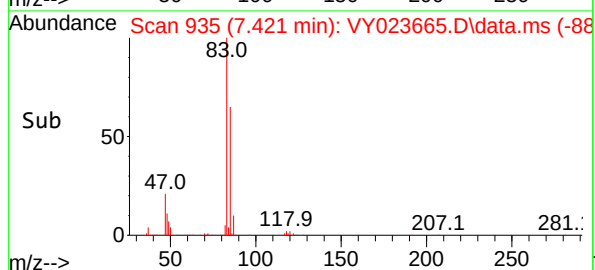
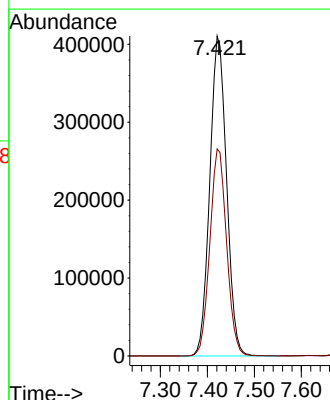
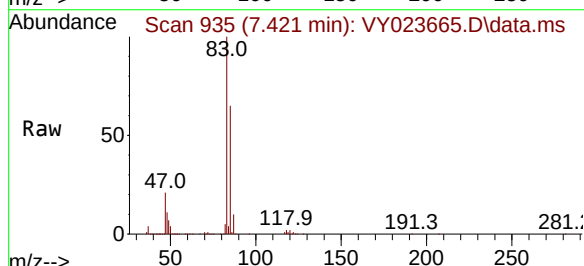
Acq: 04 Nov 2025 11:05

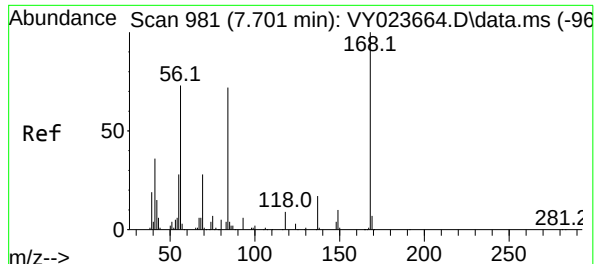
Tgt Ion: 83 Resp: 1015475

Ion Ratio Lower Upper

83 100

85 64.7 52.1 78.1





#31

Cyclohexane

Concen: 98.820 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 78586

Ion Ratio Lower Upper

56 100

69 34.4 30.5 45.7

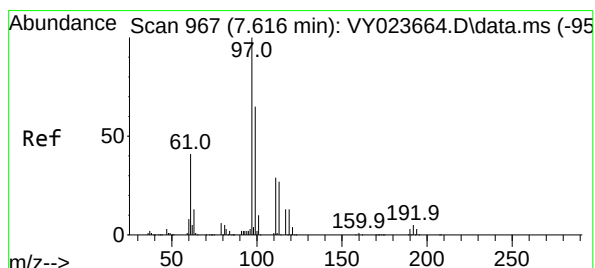
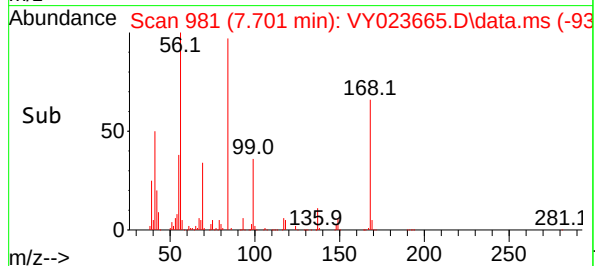
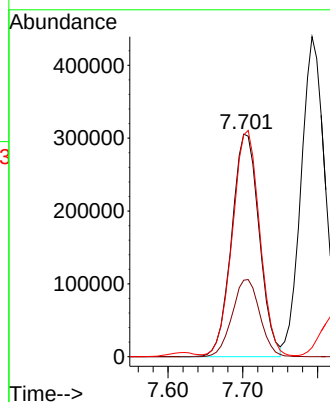
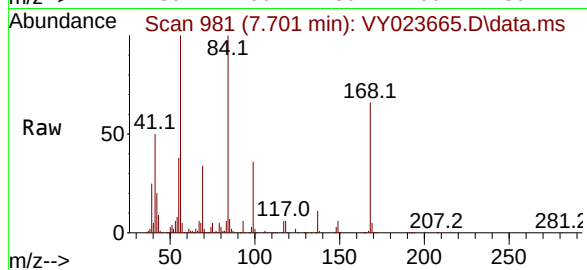
84 97.8 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 99.760 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

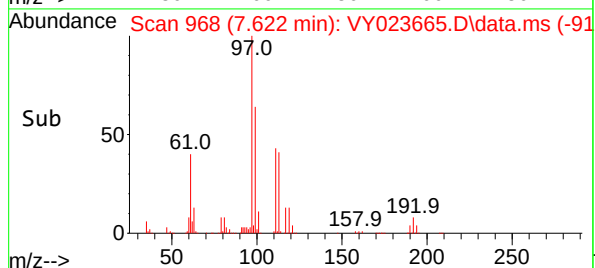
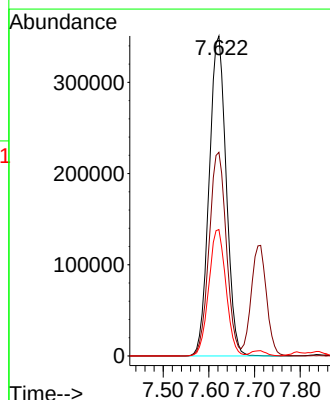
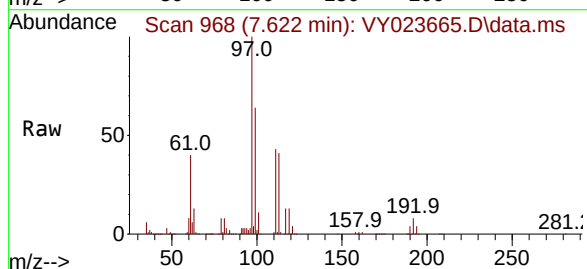
Tgt Ion: 97 Resp: 908433

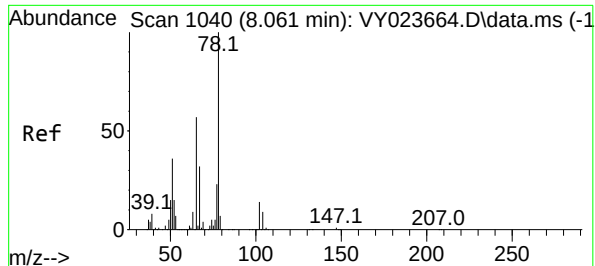
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 39.8 32.5 48.7





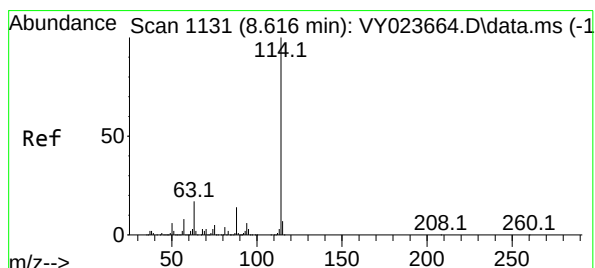
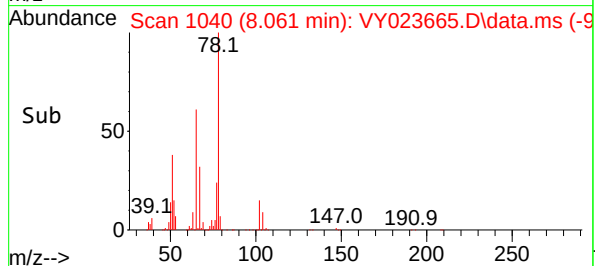
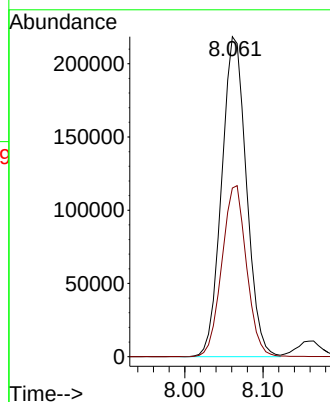
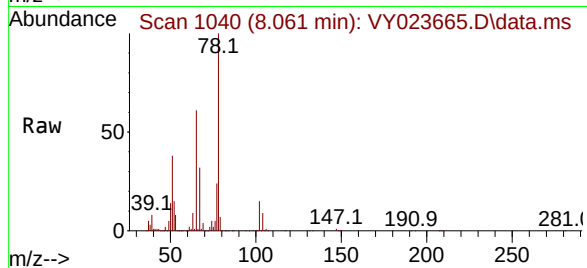
#33
1,2-Dichloroethane-d4
Concen: 99.661 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 48088
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

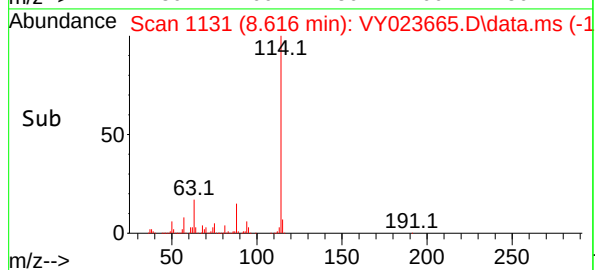
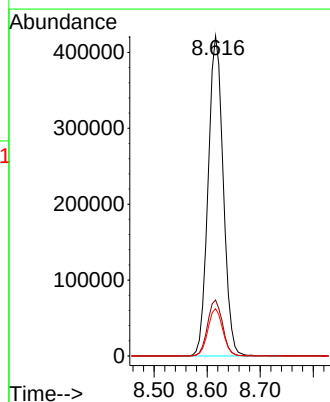
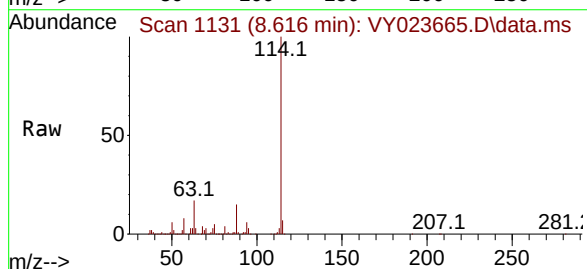
Manual Integrations
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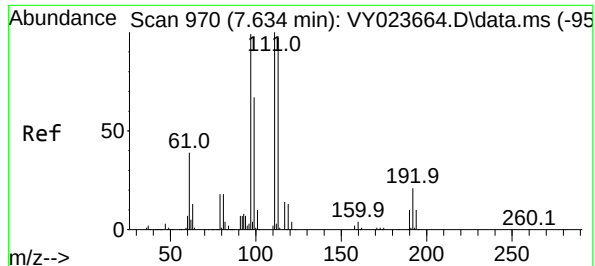
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion:114 Resp: 831963
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.8
88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 101.812 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 52934

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

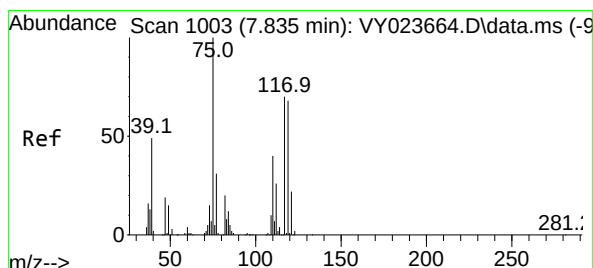
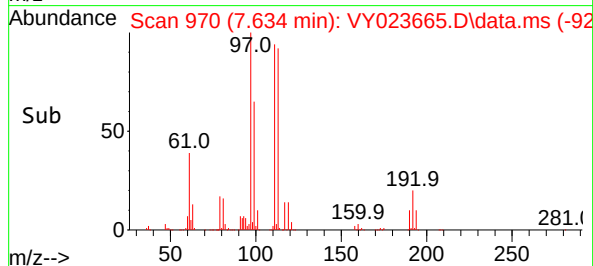
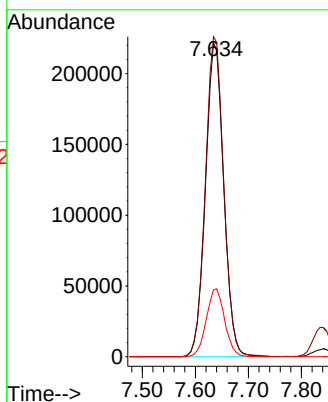
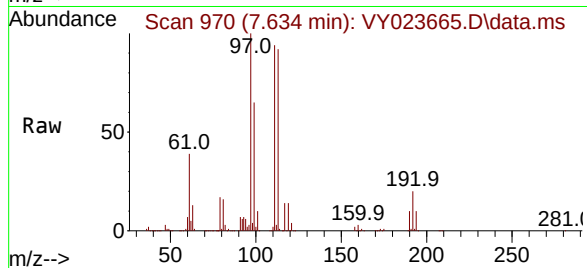
192 21.7 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 101.168 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

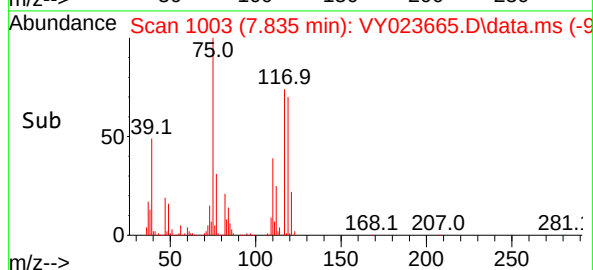
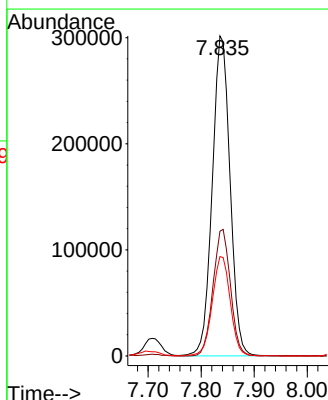
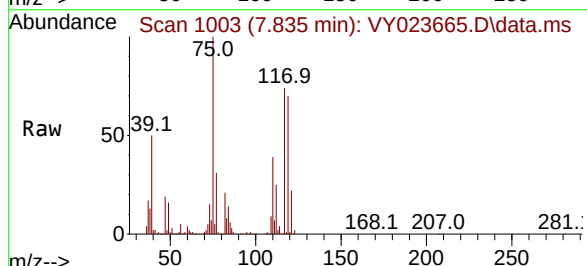
Tgt Ion: 75 Resp: 702866

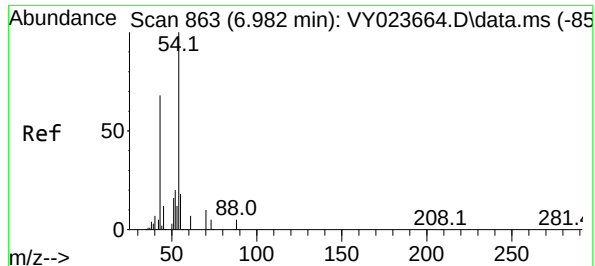
Ion Ratio Lower Upper

75 100

110 38.8 19.7 59.0

77 31.5 25.2 37.8





#37

Ethyl Acetate

Concen: 106.984 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 28773

Ion Ratio Lower Upper

43 100

61 15.2 12.4 18.6

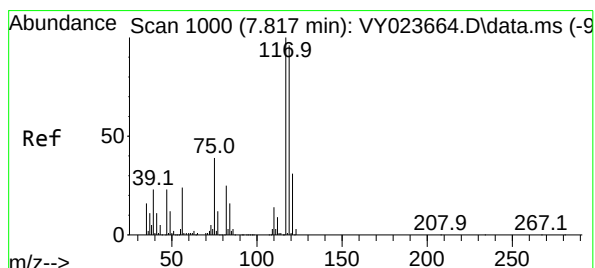
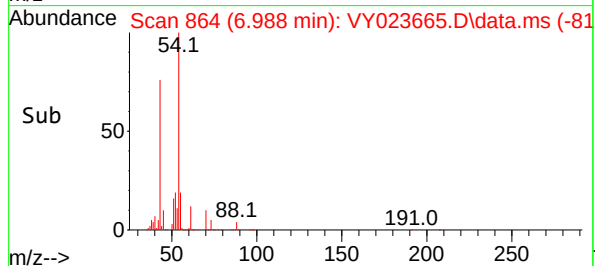
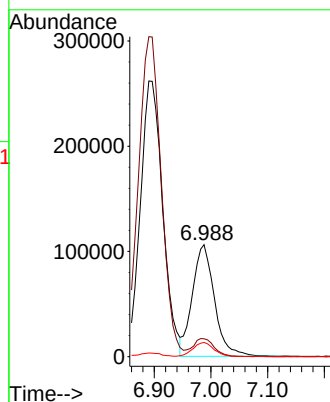
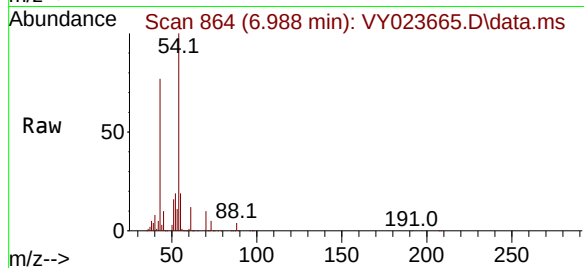
70 12.1 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 100.329 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

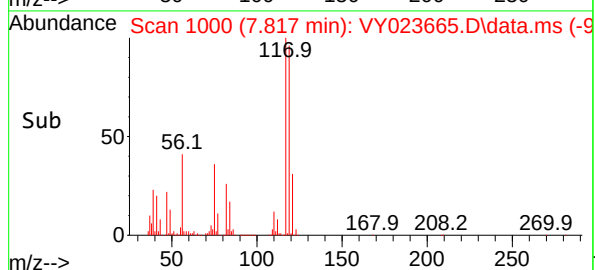
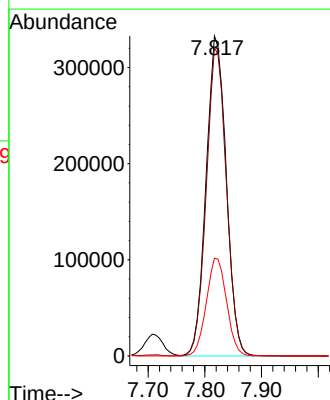
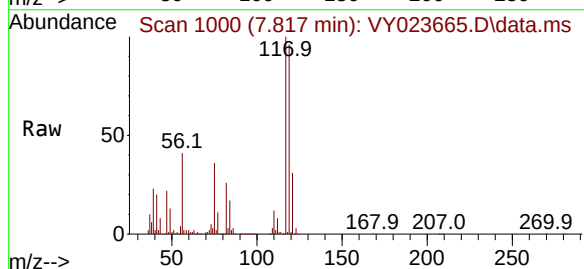
Tgt Ion:117 Resp: 821264

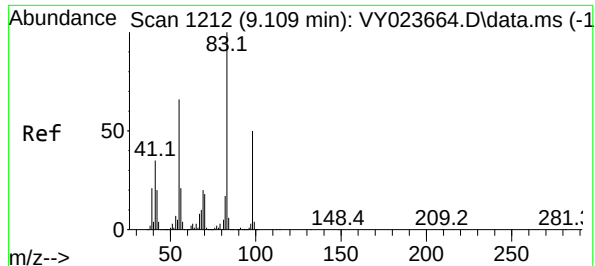
Ion Ratio Lower Upper

117 100

119 96.2 76.3 114.5

121 30.5 24.8 37.2





#39

Methylcyclohexane

Concen: 106.639 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 946648

Ion Ratio Lower Upper

83 100

55 67.1 52.6 78.8

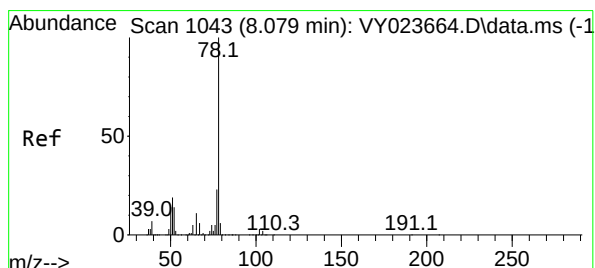
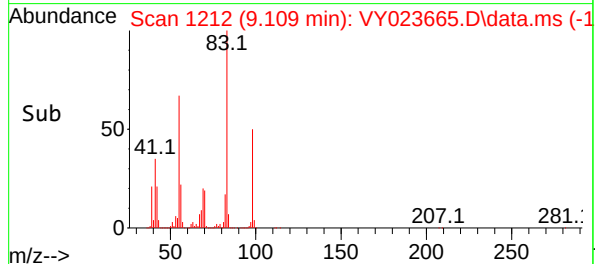
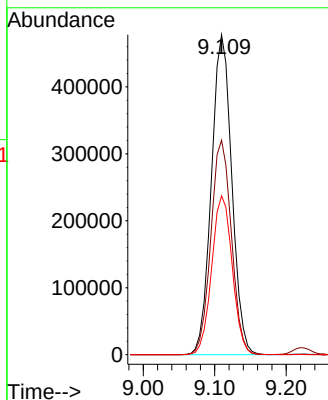
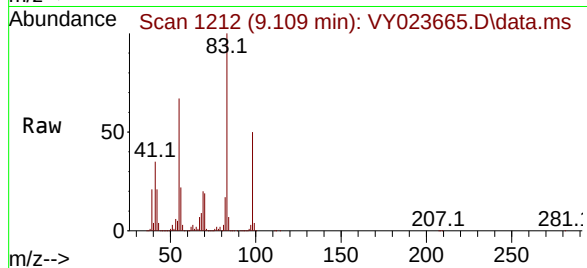
98 49.7 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 102.208 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023665.D

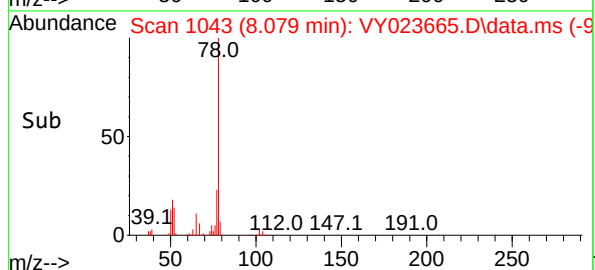
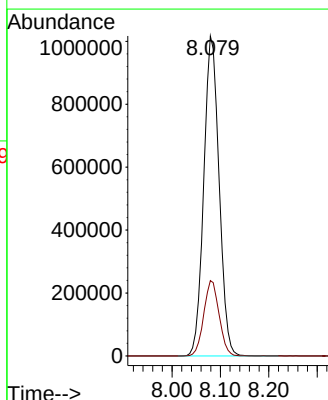
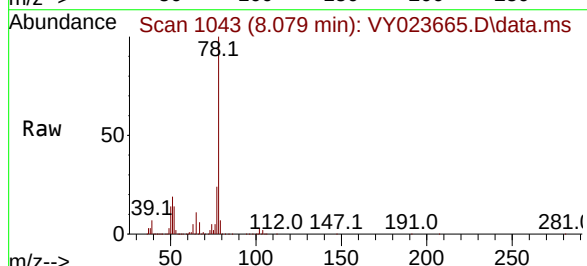
Acq: 04 Nov 2025 11:05

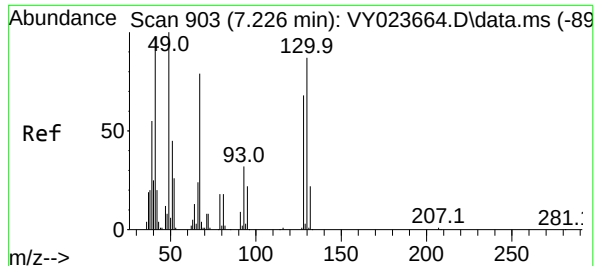
Tgt Ion: 78 Resp: 2238265

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2





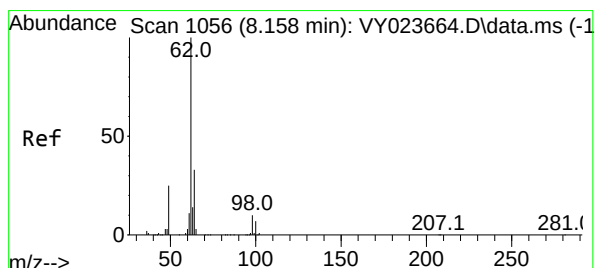
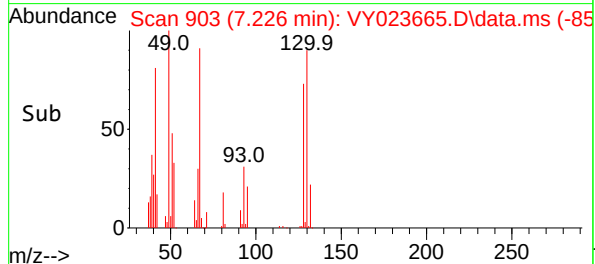
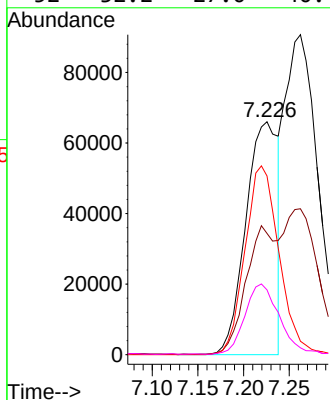
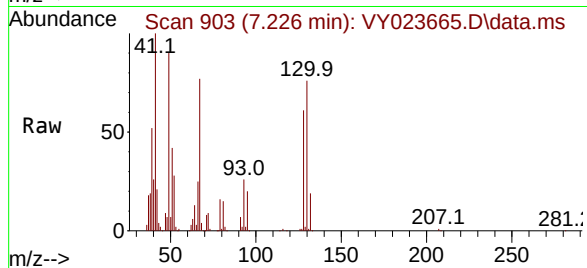
#41
Methacrylonitrile
Concen: 113.249 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 162465
Ion Ratio Lower Upper
41 100
39 45.7 38.6 57.8
67 86.1 71.3 106.9
52 32.2 27.0 40.4

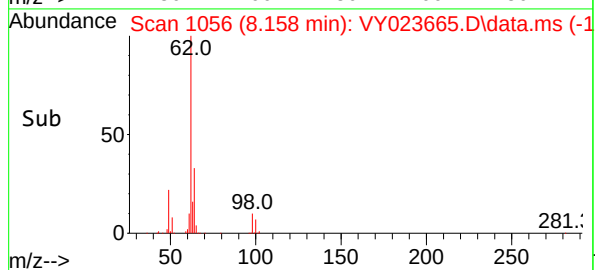
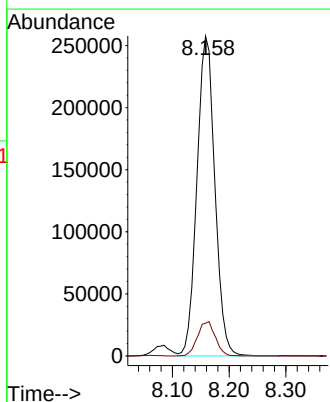
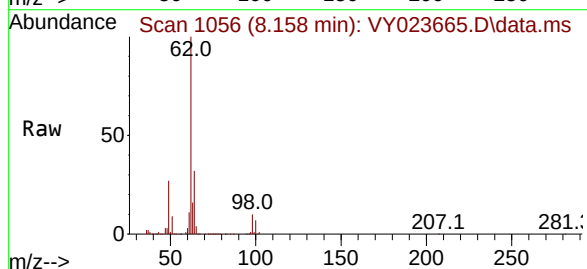
Manual Integrations
APPROVED

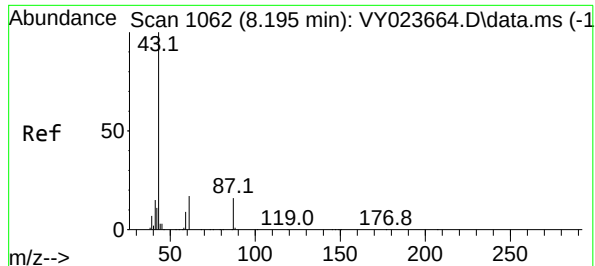
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#42
1,2-Dichloroethane
Concen: 101.924 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 62 Resp: 564693
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.0





#43

Isopropyl Acetate

Concen: 110.678 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 55929

Ion Ratio Lower Upper

43 100

61 33.2 18.2 27.2

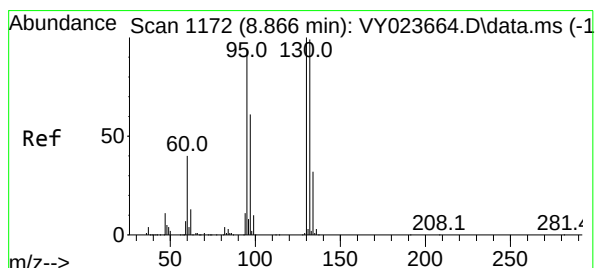
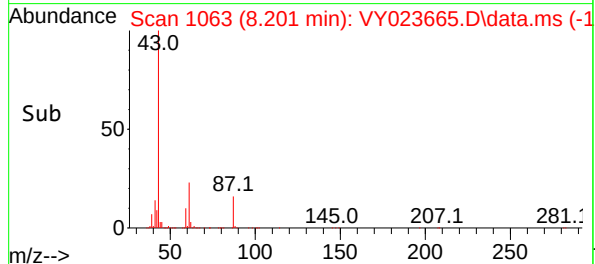
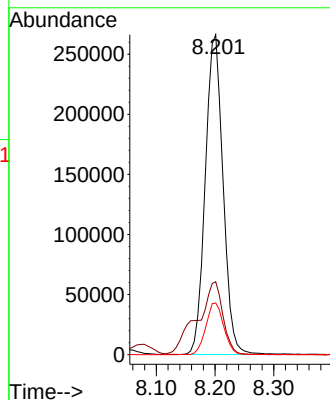
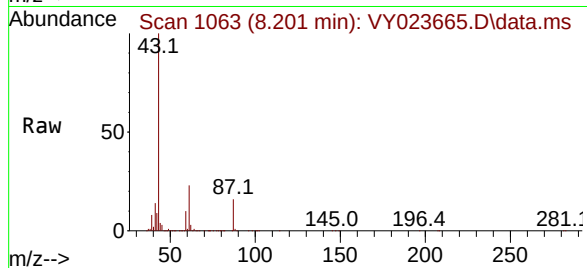
87 16.4 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 99.676 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023665.D

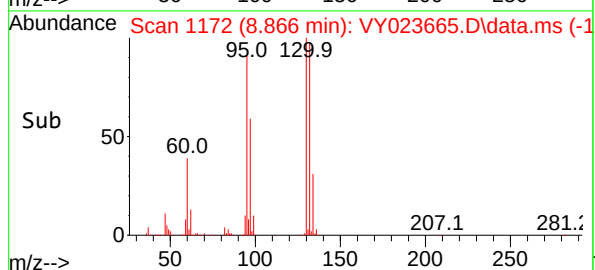
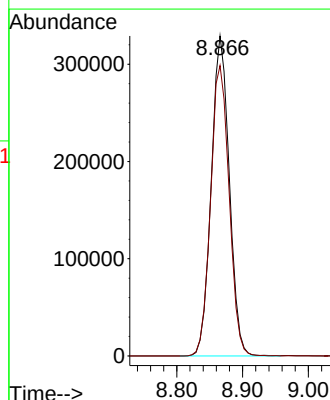
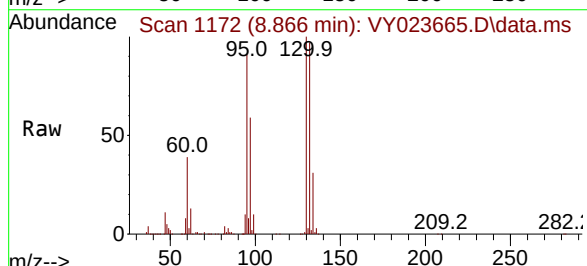
Acq: 04 Nov 2025 11:05

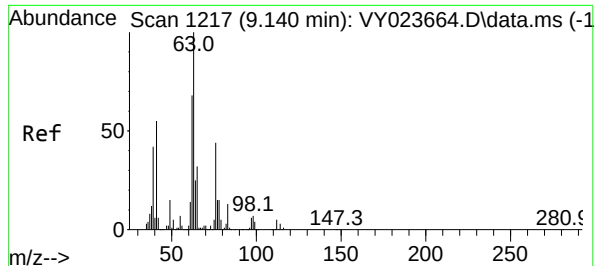
Tgt Ion:130 Resp: 626949

Ion Ratio Lower Upper

130 100

95 90.7 0.0 187.0





#45

1,2-Dichloropropane

Concen: 102.300 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 494430

Ion Ratio Lower Upper

63 100

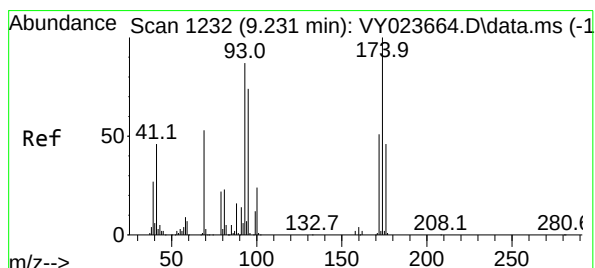
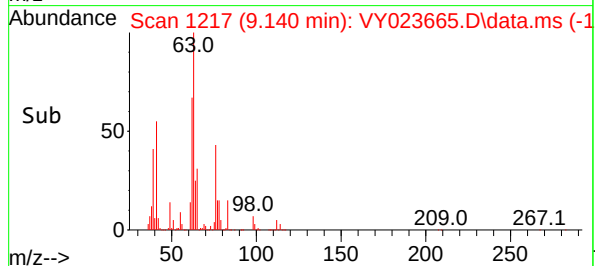
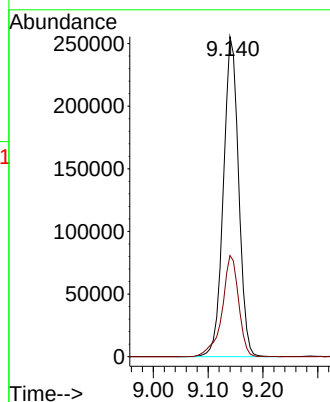
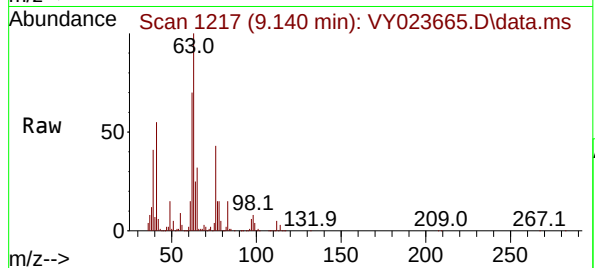
65 31.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 103.001 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

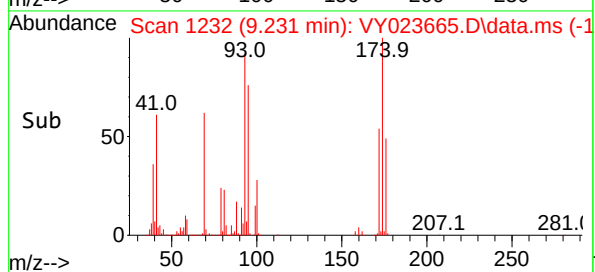
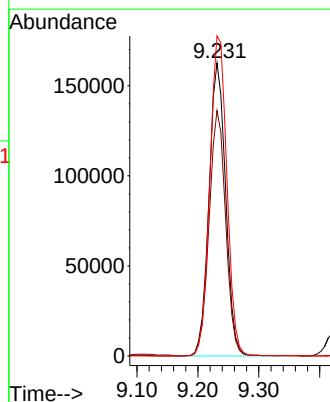
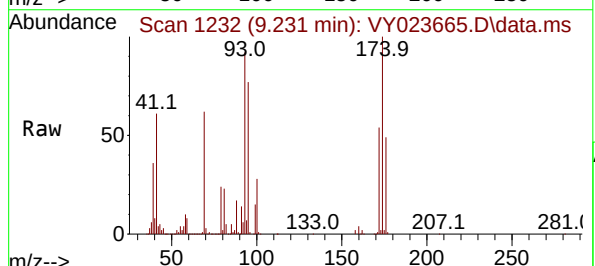
Tgt Ion: 93 Resp: 308450

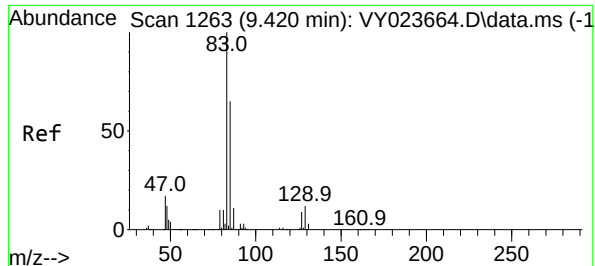
Ion Ratio Lower Upper

93 100

95 83.5 67.4 101.2

174 112.1 89.4 134.0





#47

Bromodichloromethane

Concen: 103.338 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

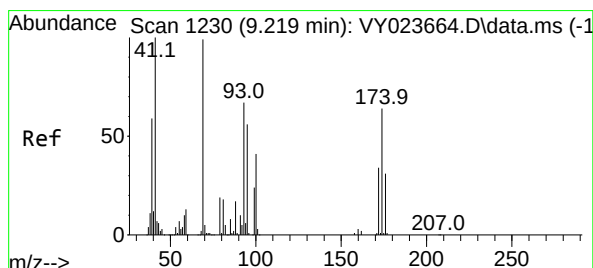
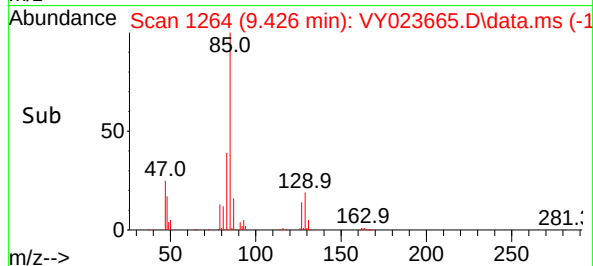
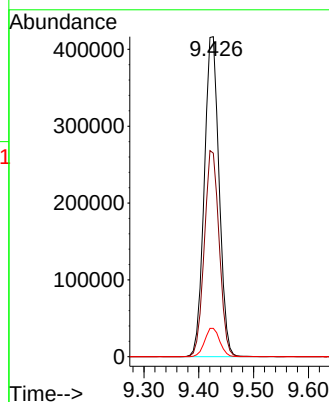
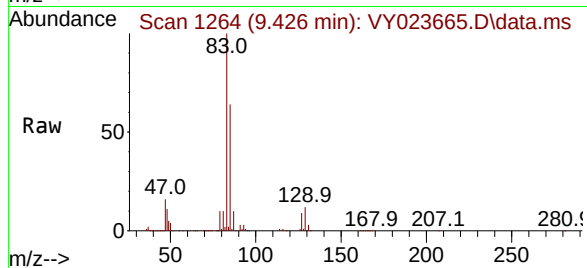
Tgt Ion:	83	Resp:	78021
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.1	78.1
127	8.9	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 114.688 ug/l

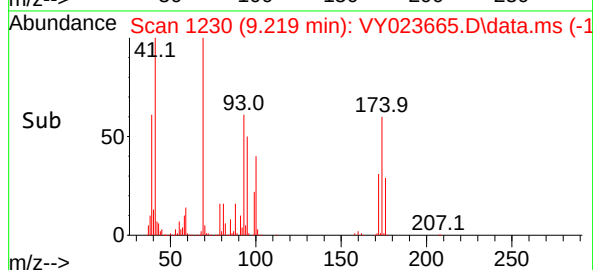
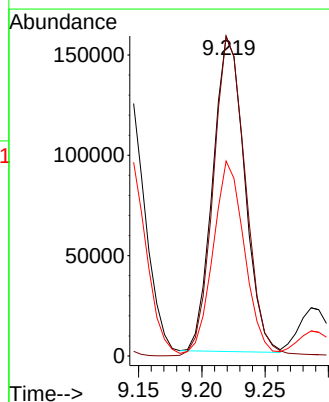
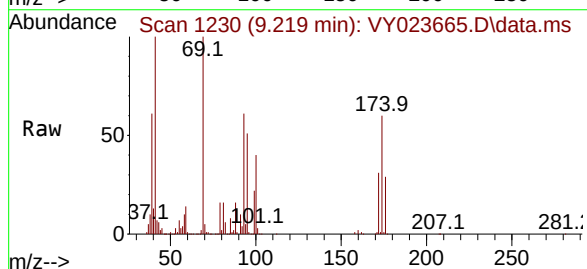
RT: 9.219 min Scan# 1230

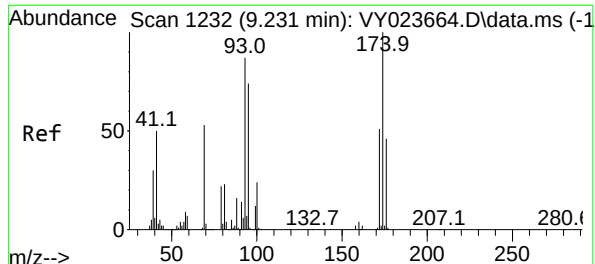
Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Tgt Ion:	41	Resp:	273819
Ion	Ratio	Lower	Upper
41	100		
69	103.1	80.2	120.2
39	59.9	47.4	71.0





#49

1,4-Dioxane

Concen: 2162.837 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 66284

Ion Ratio Lower Upper

88 100

43 29.9 22.0 33.0

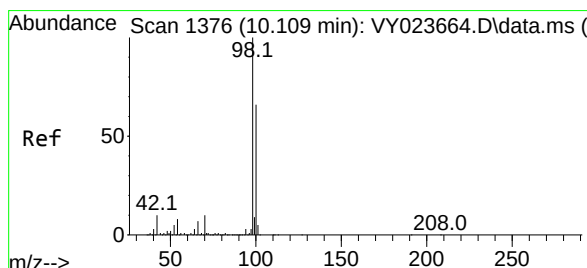
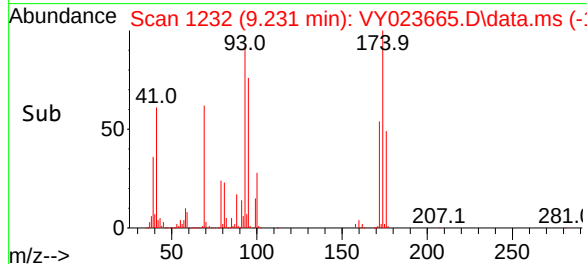
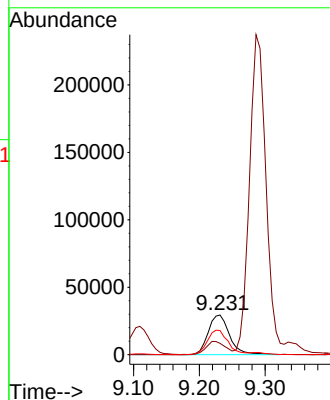
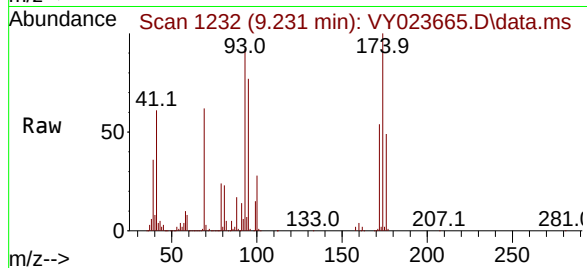
58 60.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 105.160 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023665.D

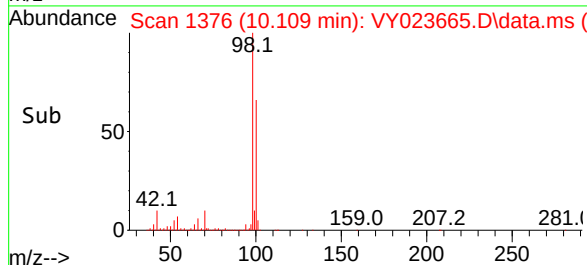
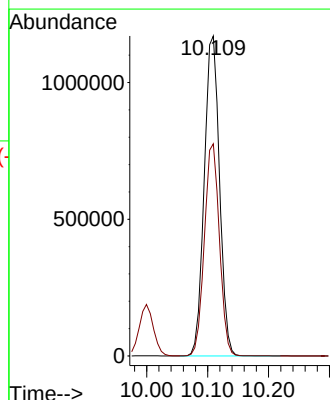
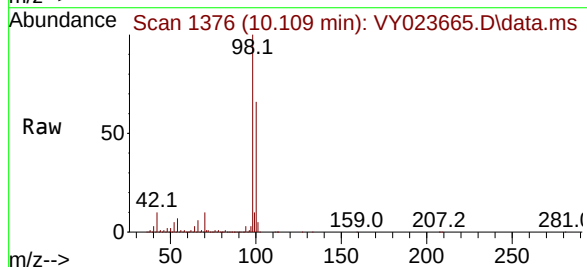
Acq: 04 Nov 2025 11:05

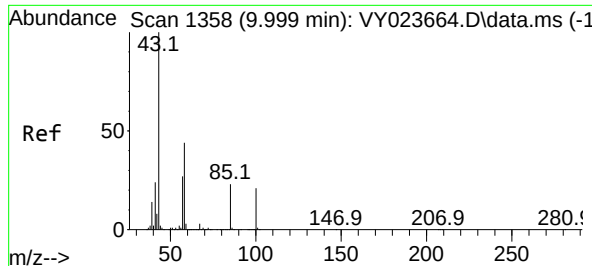
Tgt Ion: 98 Resp: 2036678

Ion Ratio Lower Upper

98 100

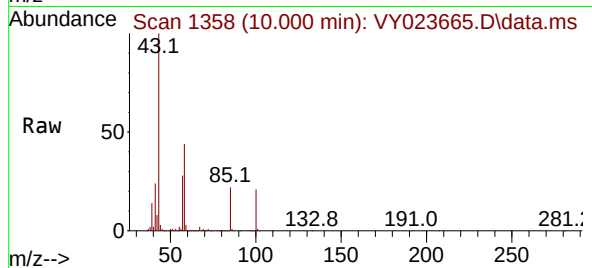
100 65.5 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 561.674 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

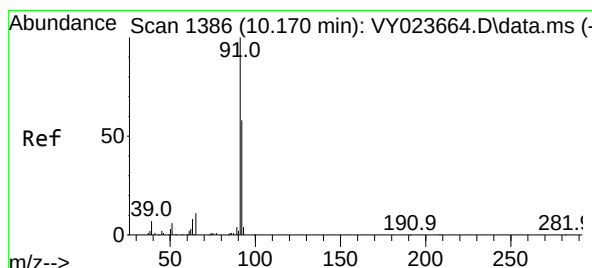
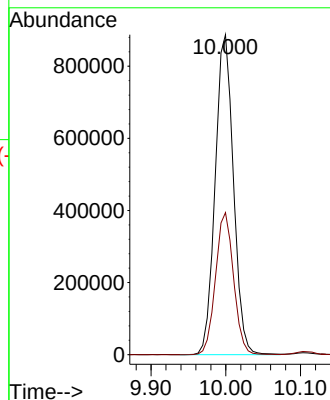
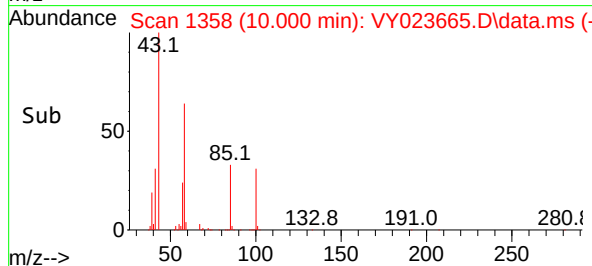
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 150944
Ion Ratio Lower Upper
43 100
58 43.9 34.8 52.2

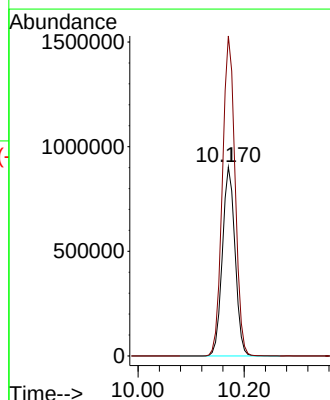
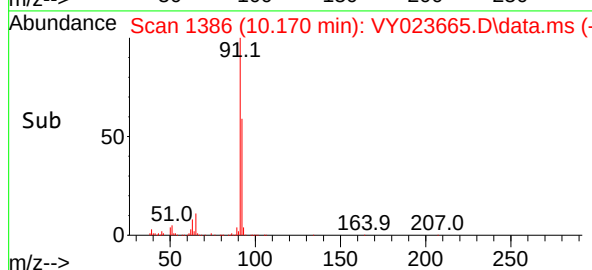
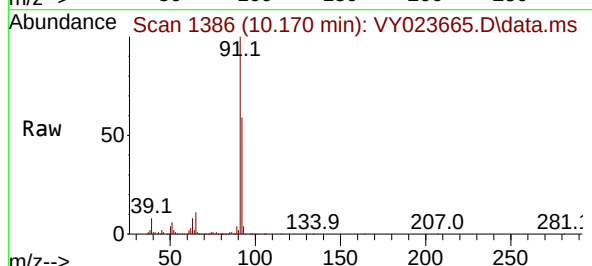
Manual Integrations
APPROVED

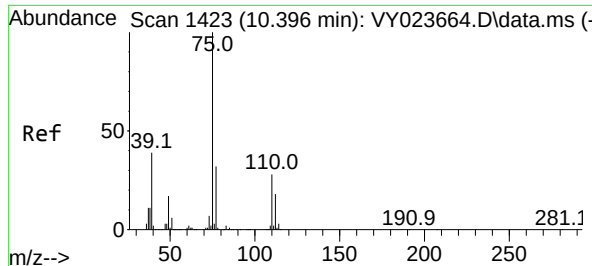
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#52
Toluene
Concen: 106.868 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 92 Resp: 1494139
Ion Ratio Lower Upper
92 100
91 169.9 137.8 206.8





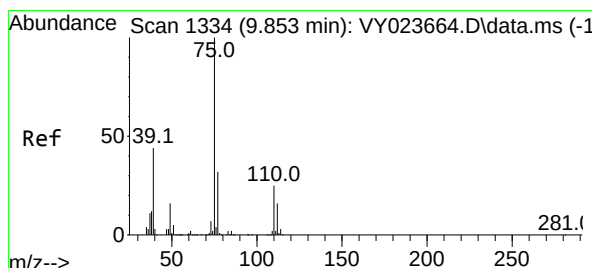
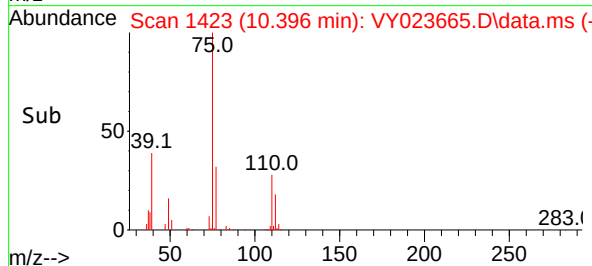
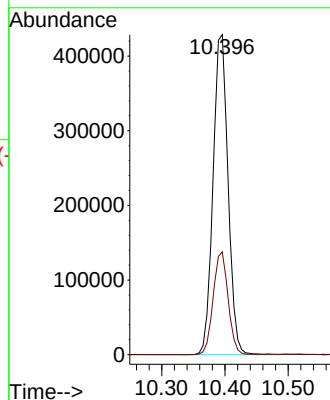
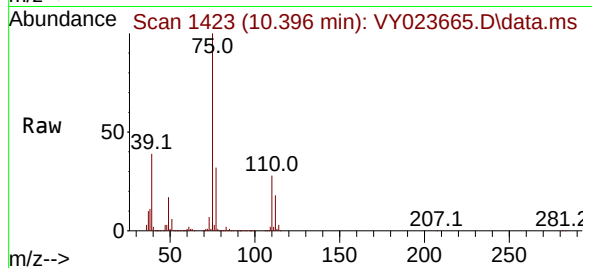
#53
t-1,3-Dichloropropene
Concen: 110.869 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 708290
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4

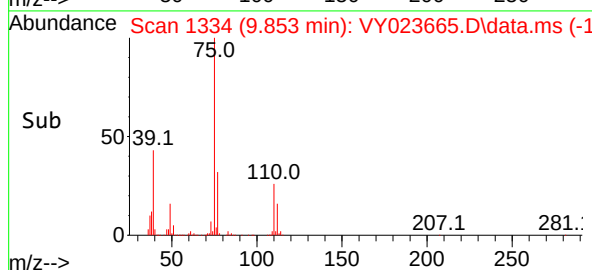
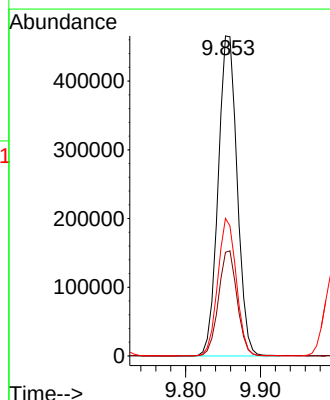
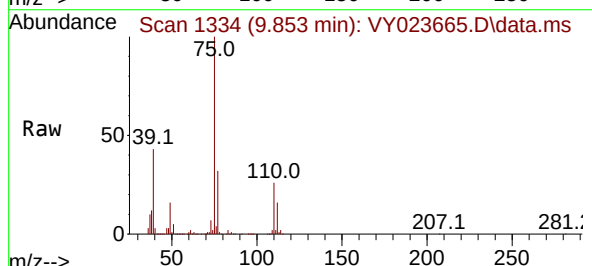
Manual Integrations
APPROVED

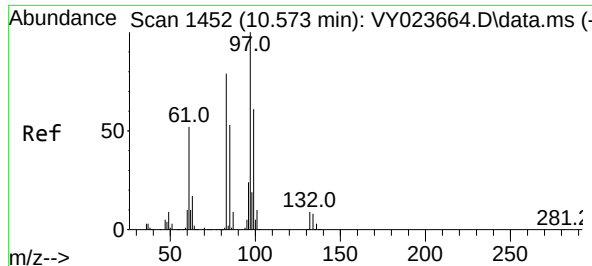
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 107.667 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 75 Resp: 824093
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5
39 42.9 34.9 52.3





#55

1,1,2-Trichloroethane

Concen: 103.695 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 41498

Ion Ratio Lower Upper

97 100

83 82.8 63.3 94.9

85 55.0 42.4 63.6

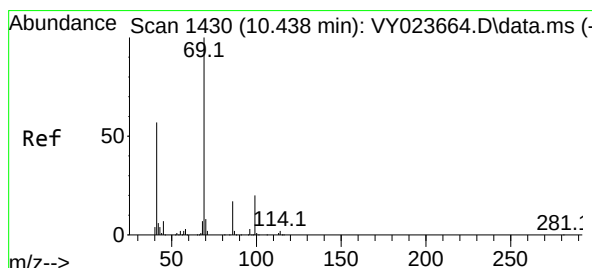
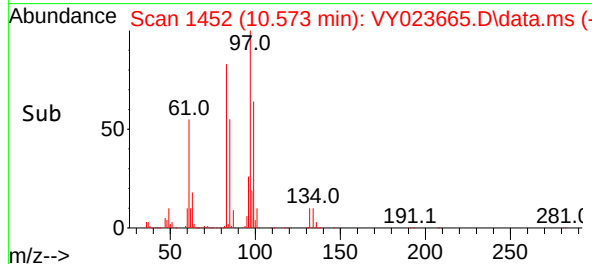
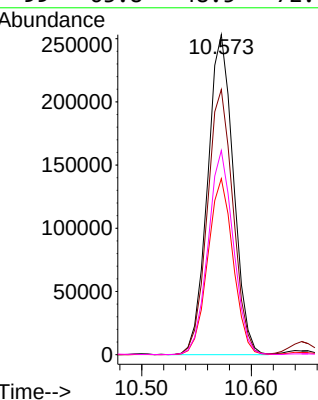
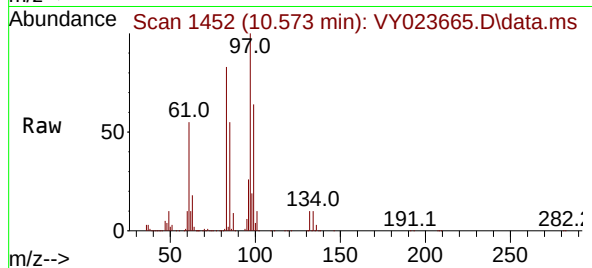
99 63.8 48.5 72.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#56

Ethyl methacrylate

Concen: 120.046 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

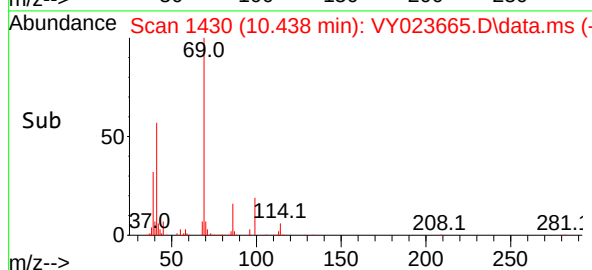
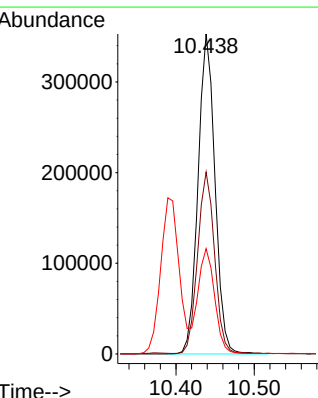
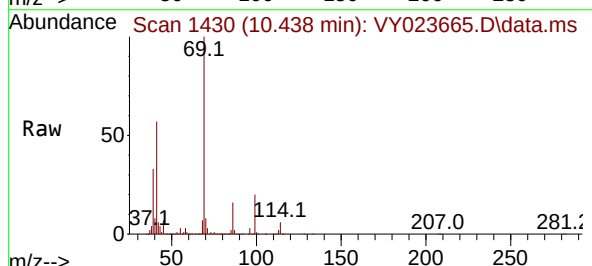
Tgt Ion: 69 Resp: 529329

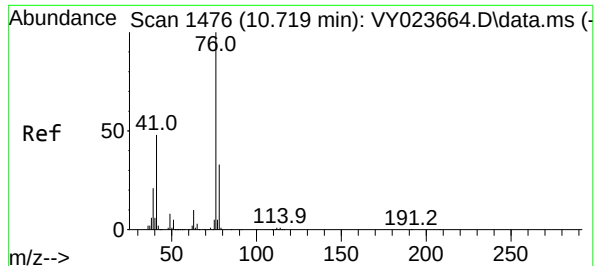
Ion Ratio Lower Upper

69 100

41 56.7 45.0 67.4

39 33.0 25.1 37.7





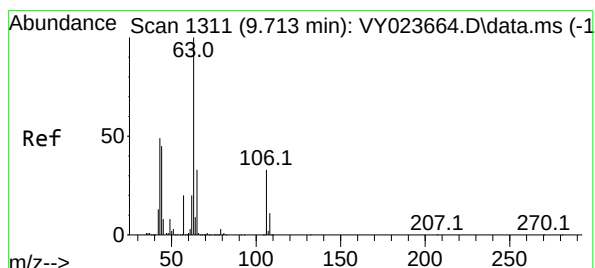
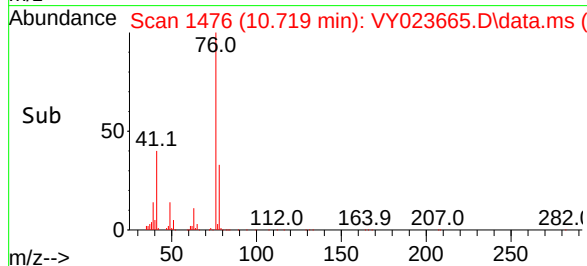
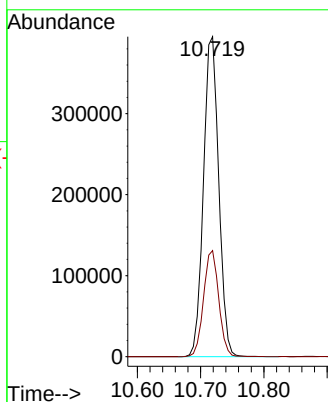
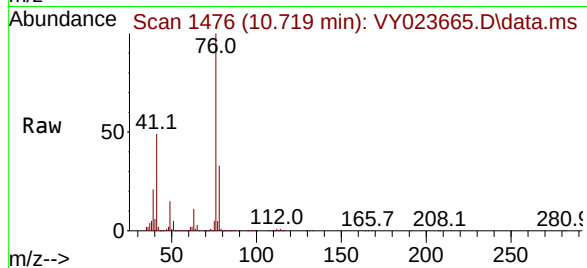
#57
1,3-Dichloropropane
Concen: 104.582 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
Client Sample Id :
VSTDIC100

Tgt Ion: 76 Resp: 663870
Ion Ratio Lower Upper
76 100
78 33.0 26.0 39.0

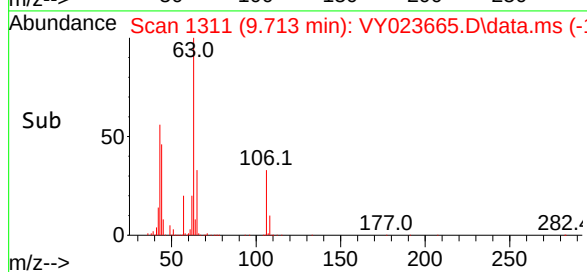
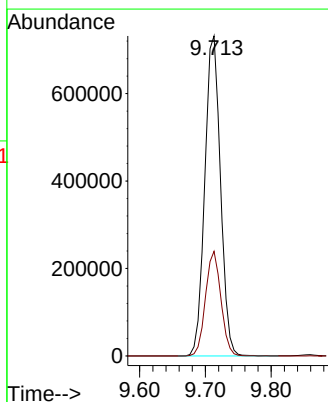
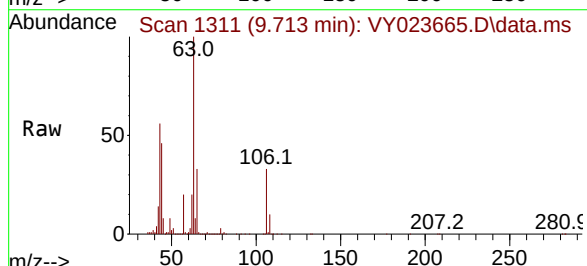
Manual Integrations
APPROVED

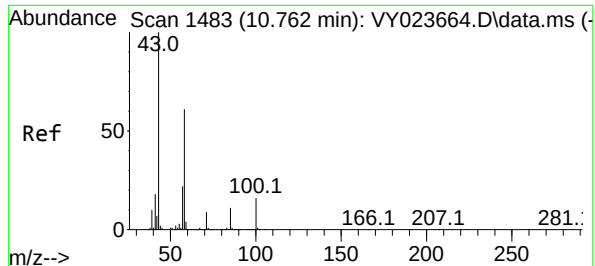
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 599.849 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 63 Resp: 1213712
Ion Ratio Lower Upper
63 100
106 32.2 26.2 39.2





#59

2-Hexanone

Concen: 560.896 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 1099720

Ion Ratio Lower Upper

43 100

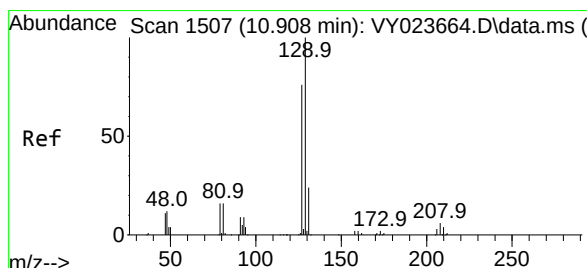
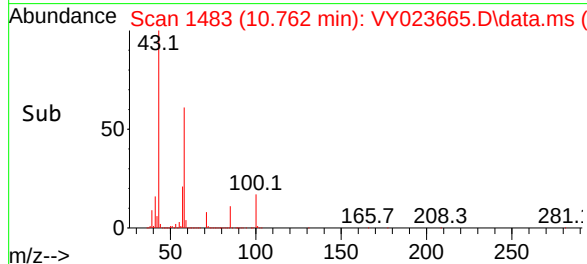
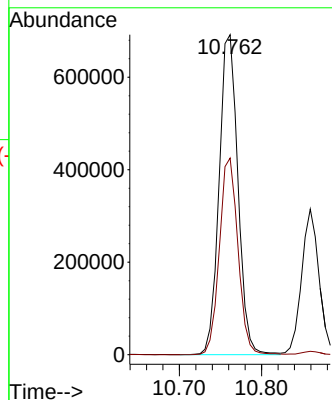
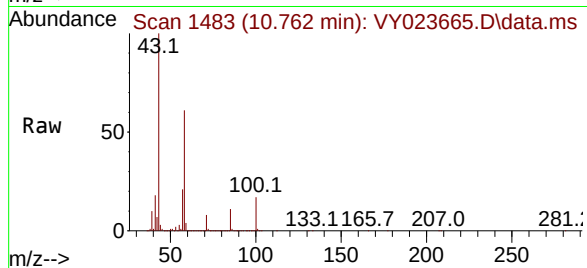
58 60.8 30.2 90.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#60

Dibromochloromethane

Concen: 105.098 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.006 min

Lab File: VY023665.D

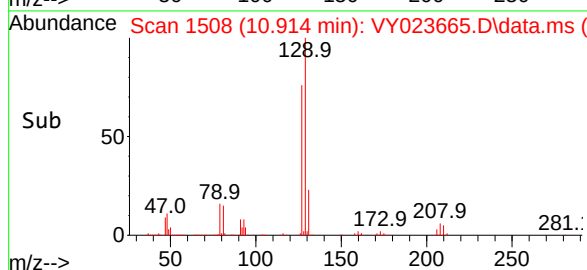
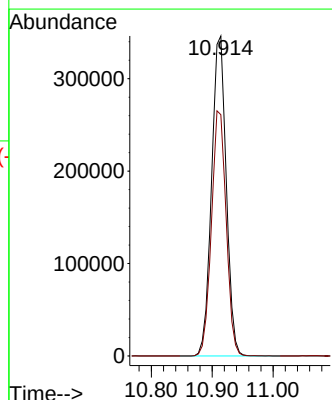
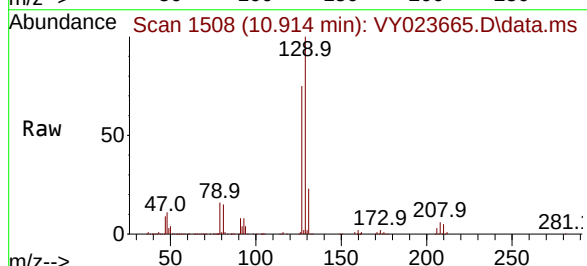
Acq: 04 Nov 2025 11:05

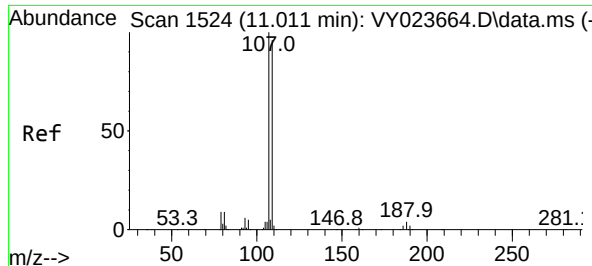
Tgt Ion:129 Resp: 577908

Ion Ratio Lower Upper

129 100

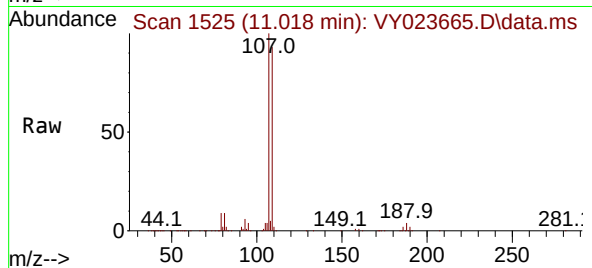
127 76.9 38.4 115.2





#61
1,2-Dibromoethane
Concen: 105.457 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

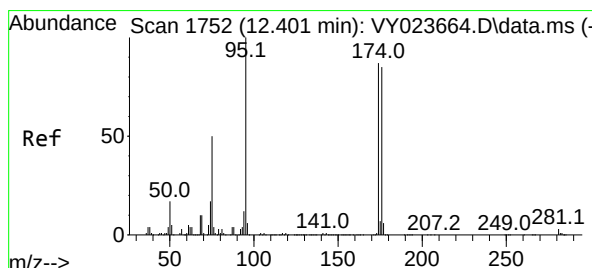
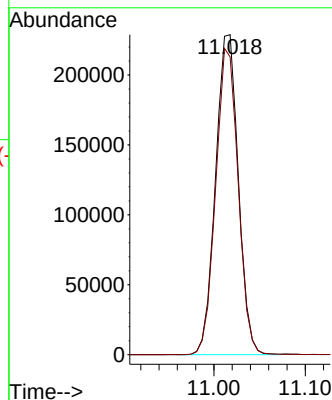
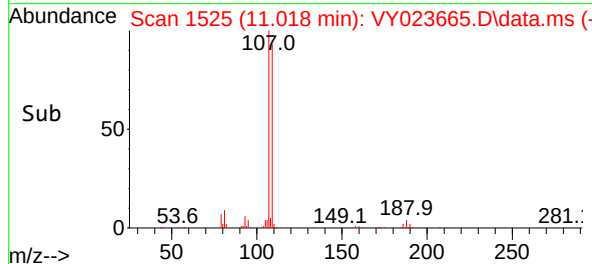
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:107 Resp: 396070
Ion Ratio Lower Upper
107 100
109 94.4 76.2 114.4

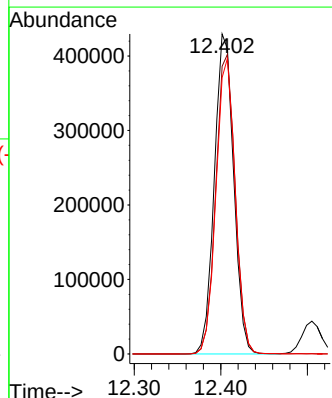
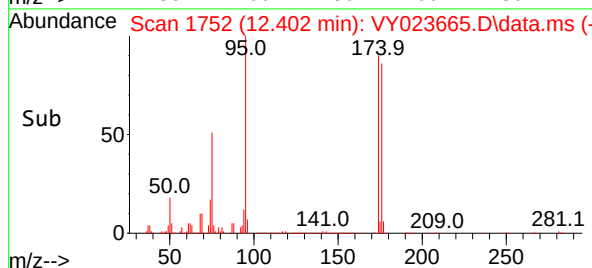
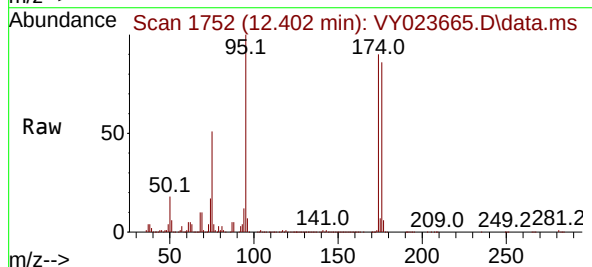
Manual Integrations
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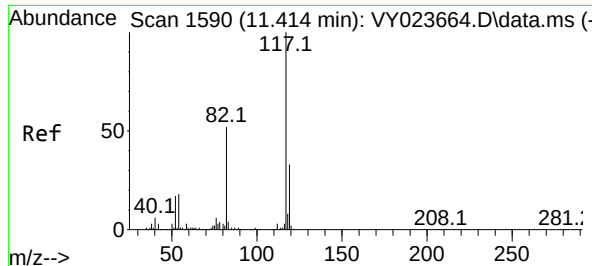
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 106.305 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 95 Resp: 665813
Ion Ratio Lower Upper
95 100
174 93.7 0.0 184.8
176 91.6 0.0 181.6





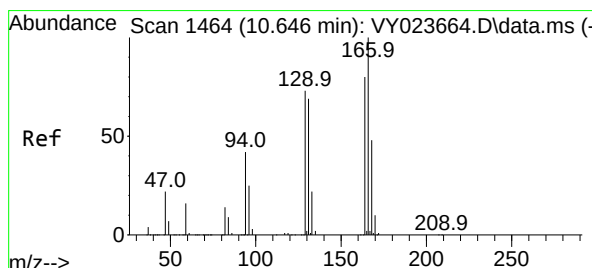
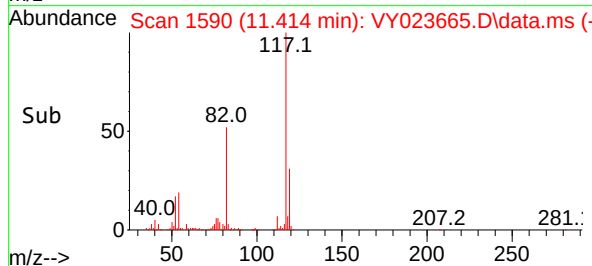
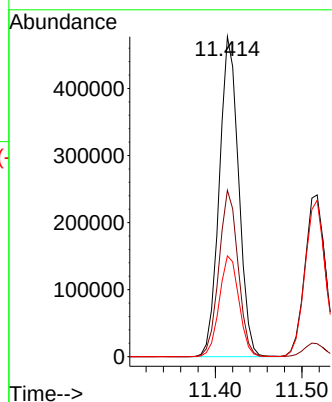
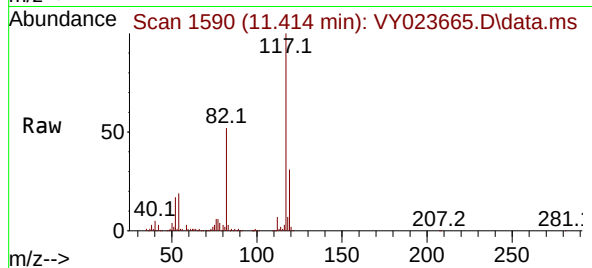
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 74064
Ion Ratio Lower Upper
117 100
82 52.0 41.2 61.8
119 31.5 26.2 39.2

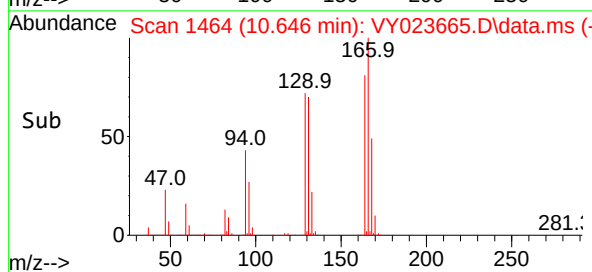
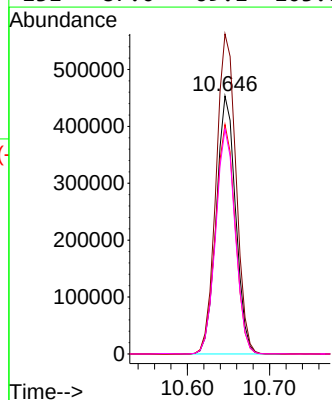
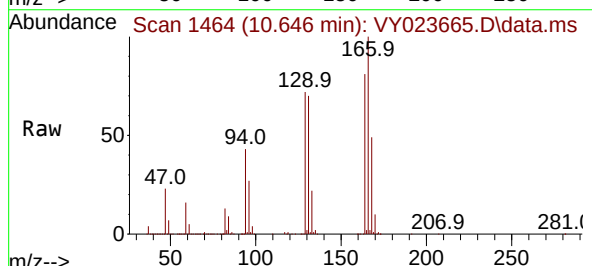
Manual Integrations
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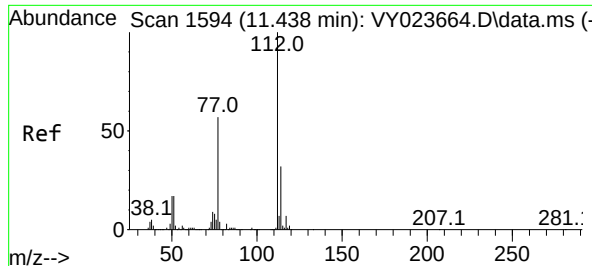
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#64
Tetrachloroethene
Concen: 96.137 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion:164 Resp: 741118
Ion Ratio Lower Upper
164 100
166 124.0 99.5 149.3
129 88.9 72.3 108.5
131 87.0 69.1 103.7





#65

Chlorobenzene

Concen: 101.655 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 163905

Ion Ratio Lower Upper

112 100

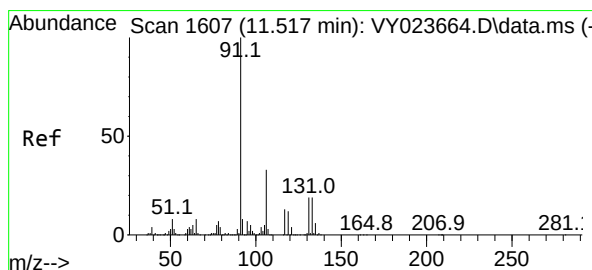
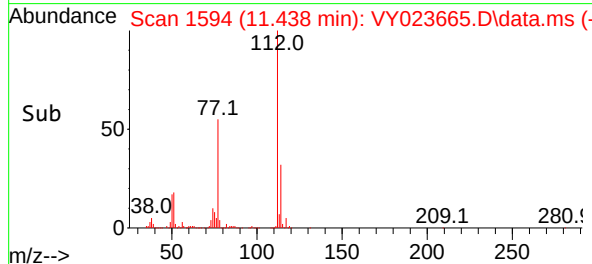
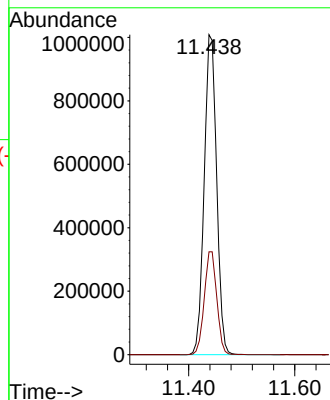
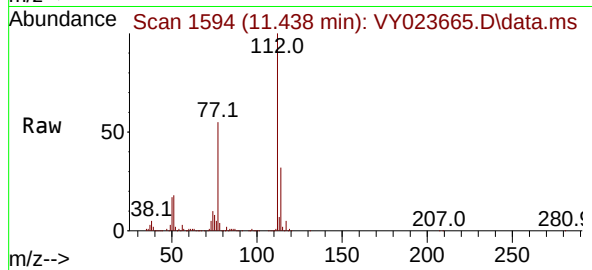
114 32.1 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 102.290 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

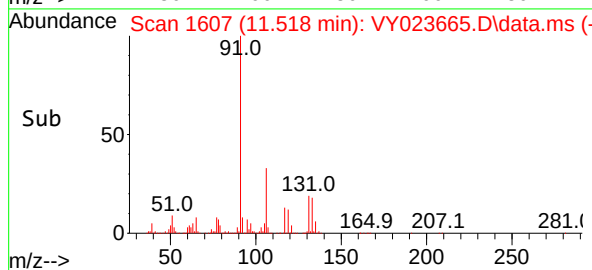
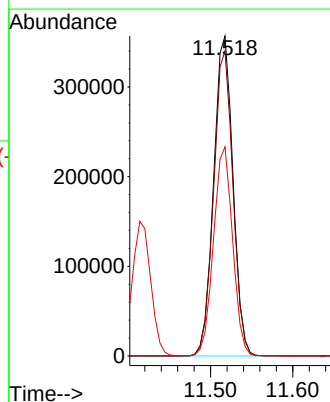
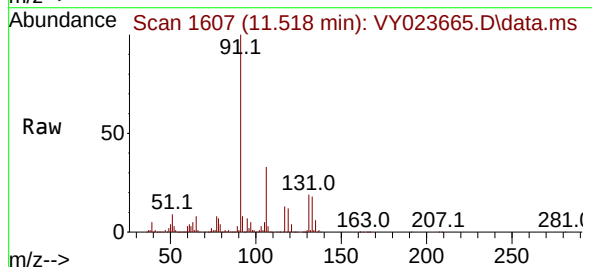
Tgt Ion:131 Resp: 583207

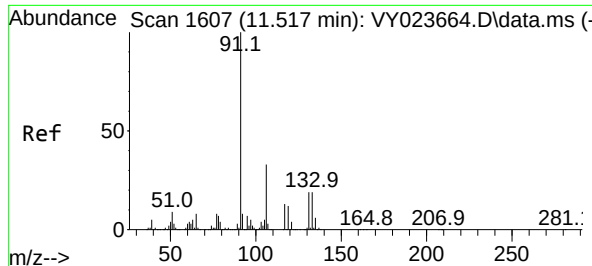
Ion Ratio Lower Upper

131 100

133 95.2 47.3 141.8

119 64.6 32.5 97.4





#67

Ethyl Benzene

Concen: 108.283 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 282573

Ion Ratio Lower Upper

91 100

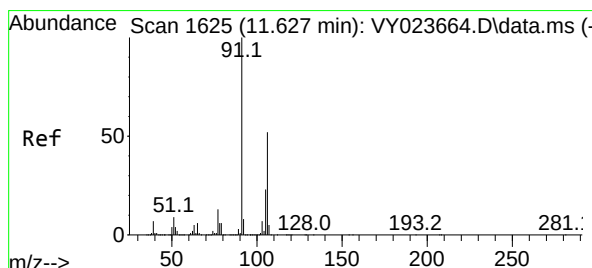
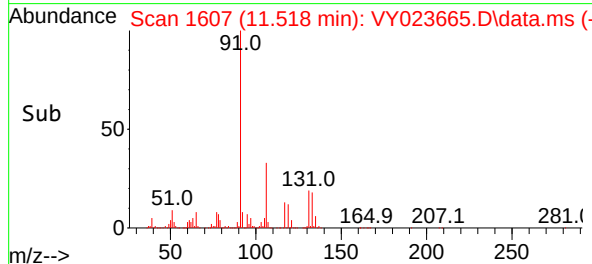
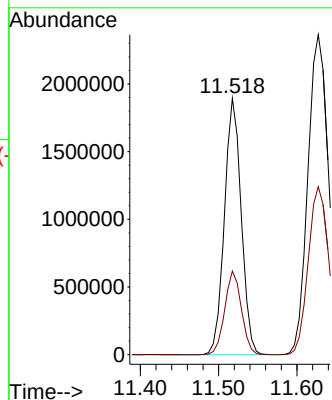
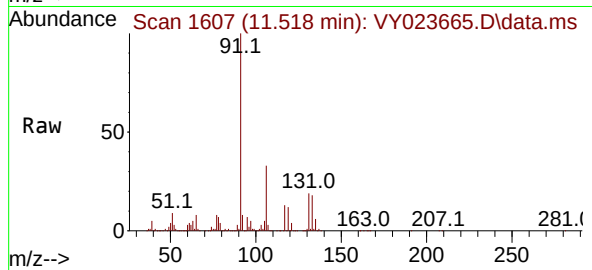
106 32.7 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

m/p-Xylenes

Concen: 214.992 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023665.D

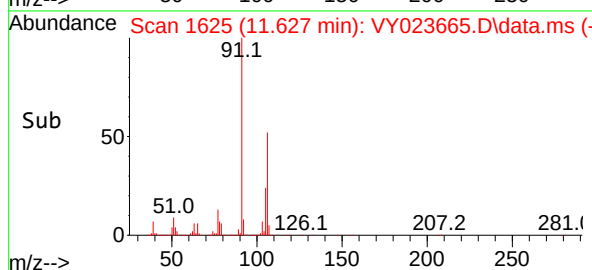
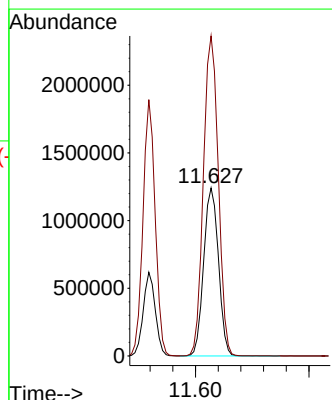
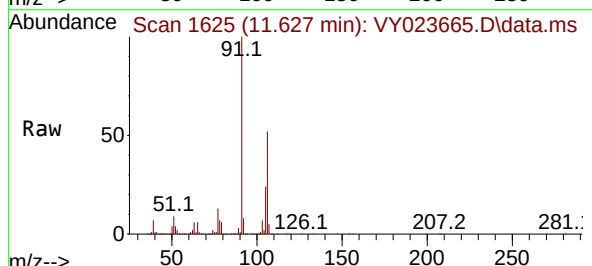
Acq: 04 Nov 2025 11:05

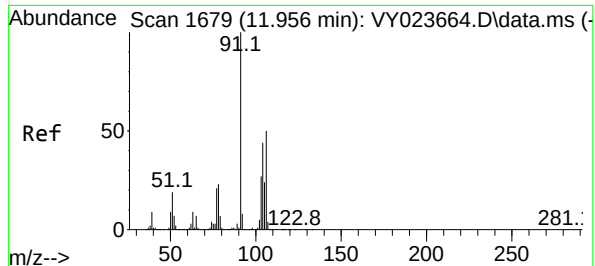
Tgt Ion:106 Resp: 2241551

Ion Ratio Lower Upper

106 100

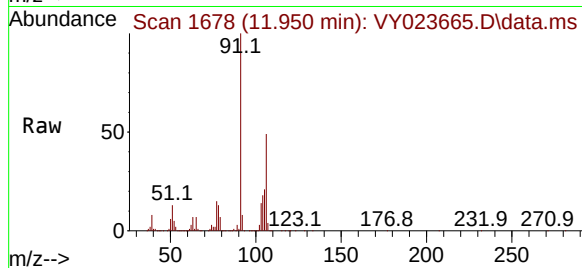
91 192.1 154.3 231.5





#69
o-Xylene
Concen: 110.253 ug/l
RT: 11.950 min Scan# 1679
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

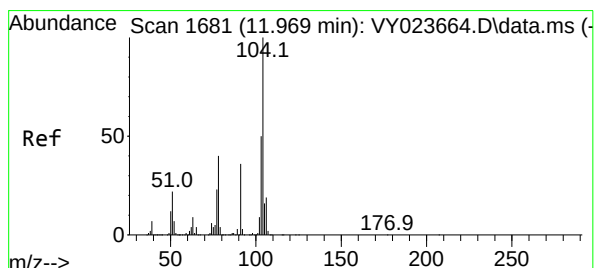
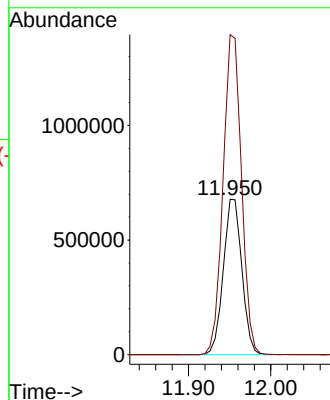
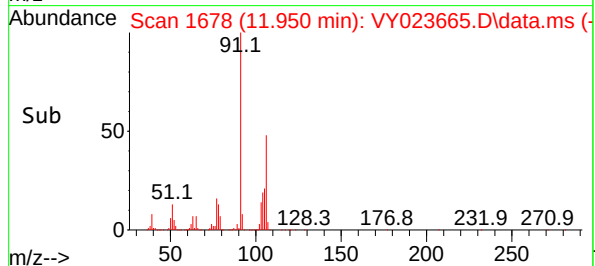
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:106 Resp: 1062609
Ion Ratio Lower Upper
106 100
91 204.7 101.6 304.6

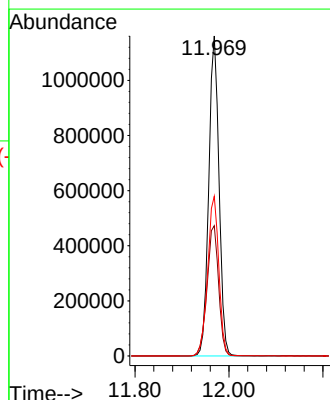
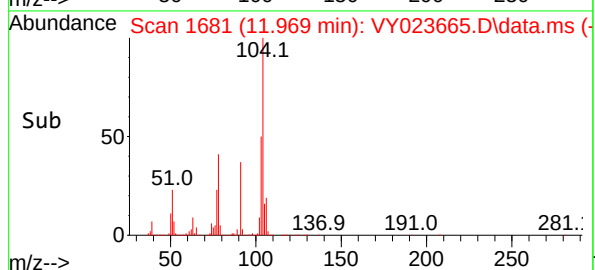
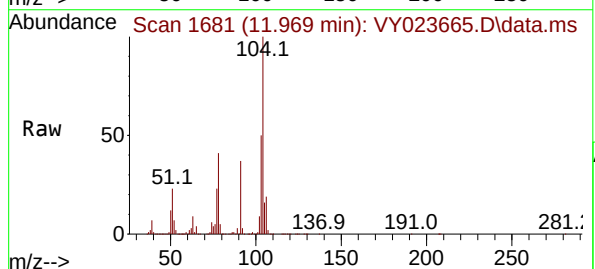
Manual Integrations
APPROVED

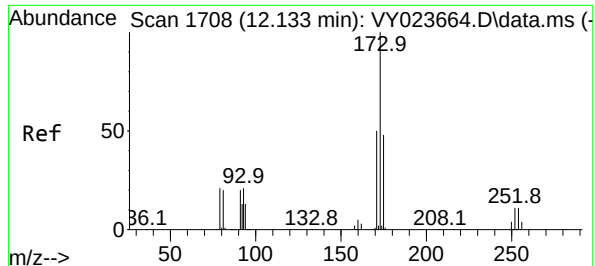
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 110.290 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

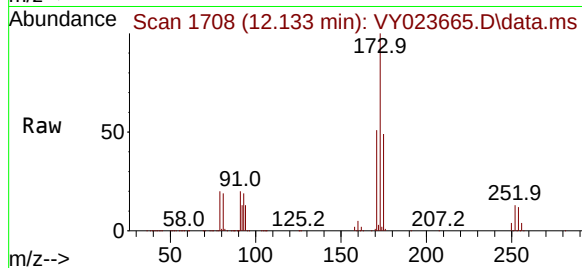
Tgt Ion:104 Resp: 1753830
Ion Ratio Lower Upper
104 100
78 45.9 36.5 54.7
103 54.4 43.7 65.5





#71
Bromoform
Concen: 105.656 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

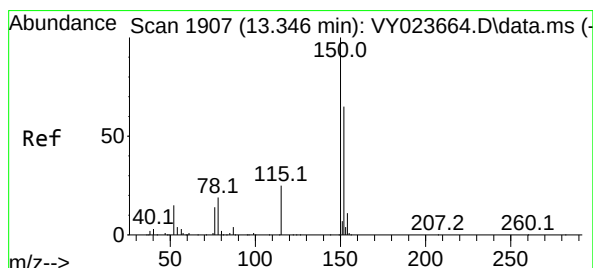
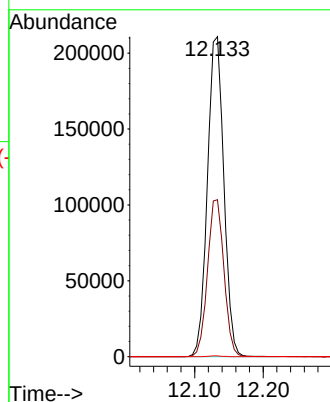
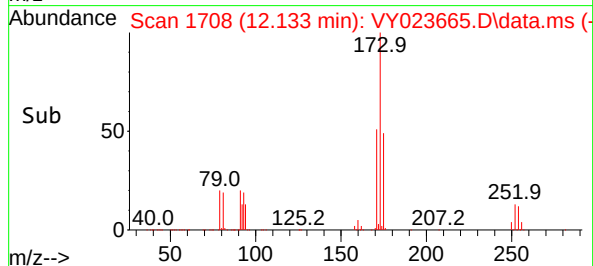
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



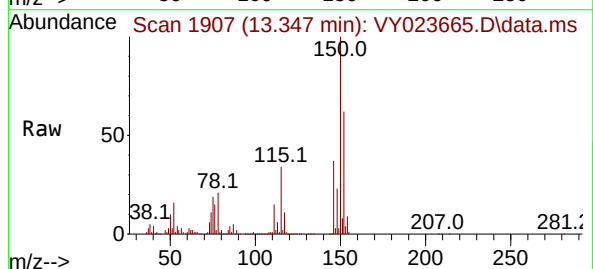
Tgt Ion:173 Resp: 351820
Ion Ratio Lower Upper
173 100
175 49.1 24.2 72.6
254 0.2 0.2 0.2

Manual Integrations
APPROVED

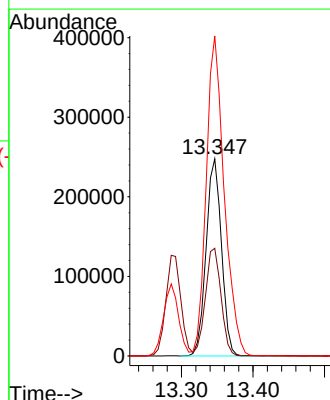
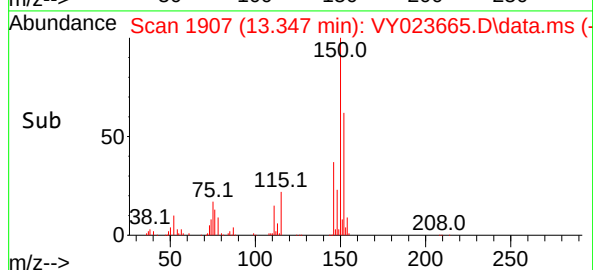
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

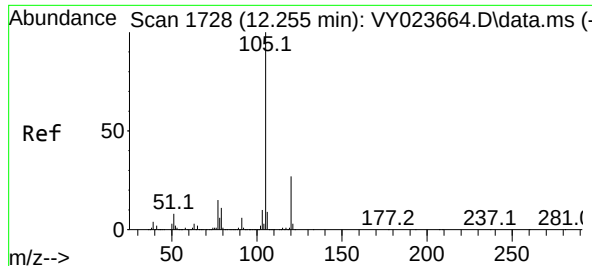


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05



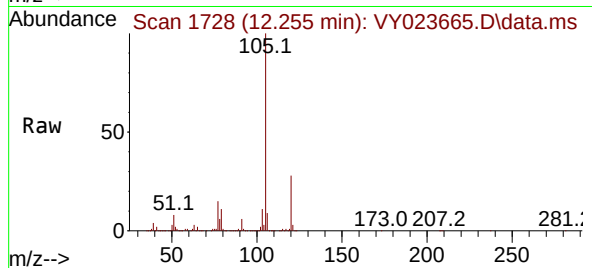
Tgt Ion:152 Resp: 370503
Ion Ratio Lower Upper
152 100
115 55.5 27.5 82.5
150 189.8 0.0 349.0





#73
Isopropylbenzene
Concen: 108.880 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

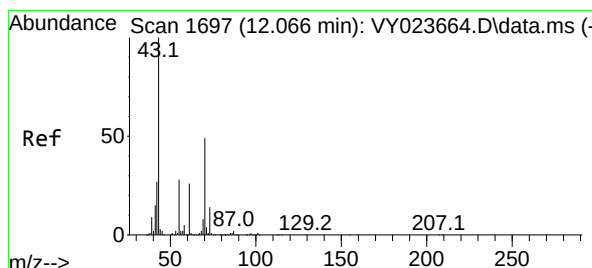
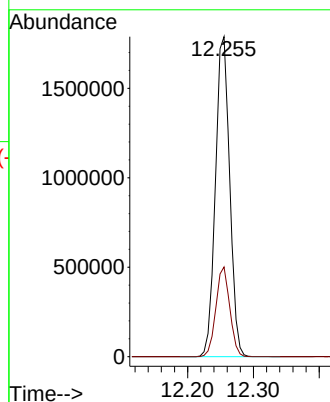
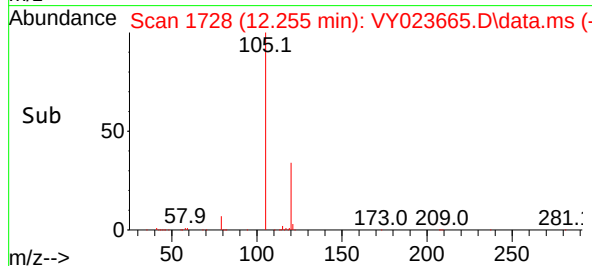
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion:105 Resp: 269804
Ion Ratio Lower Upper
105 100
120 27.3 13.6 40.7

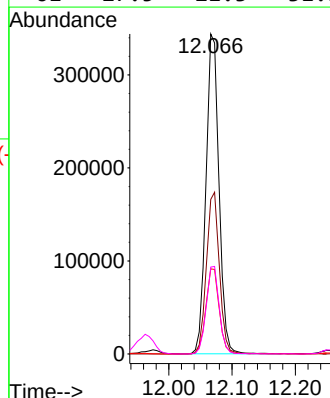
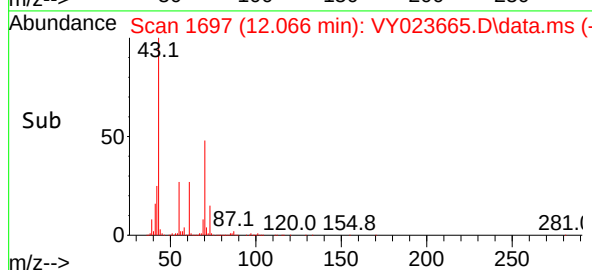
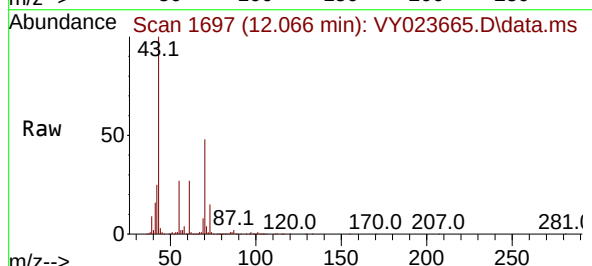
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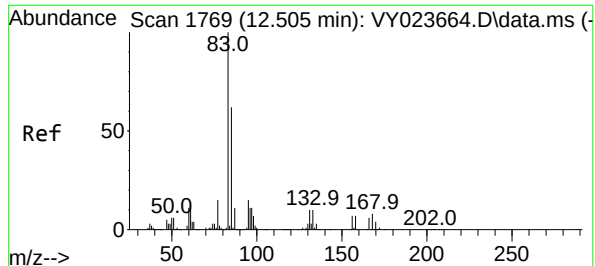
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 117.135 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 43 Resp: 491427
Ion Ratio Lower Upper
43 100
70 50.8 40.1 60.1
55 27.6 23.0 34.6
61 27.5 21.3 31.9





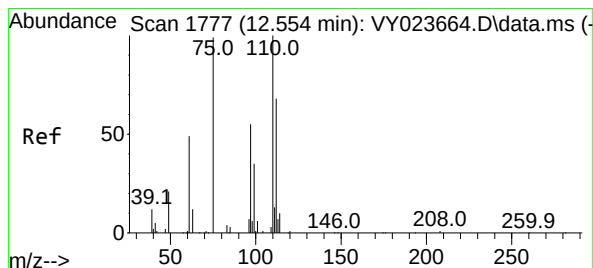
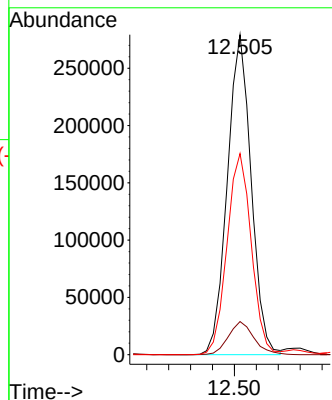
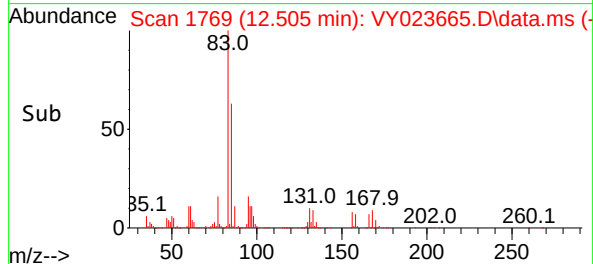
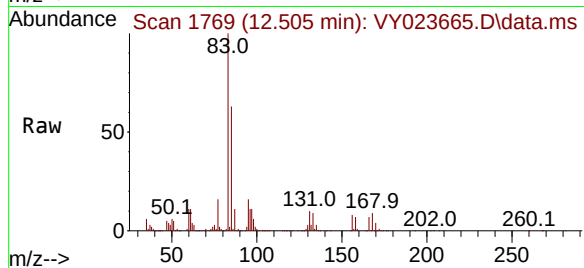
#75
1,1,2,2-Tetrachloroethane
Concen: 106.557 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 421719
Ion Ratio Lower Upper
83 100
131 11.1 5.7 17.0
85 64.1 31.9 95.7

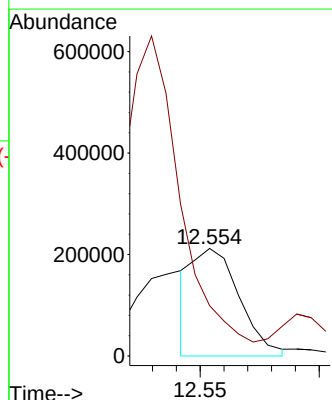
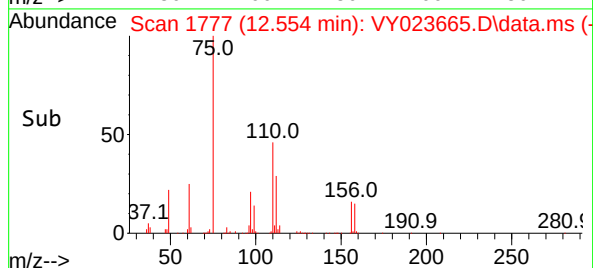
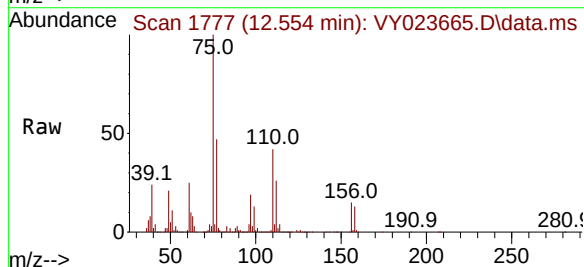
Manual Integrations
APPROVED

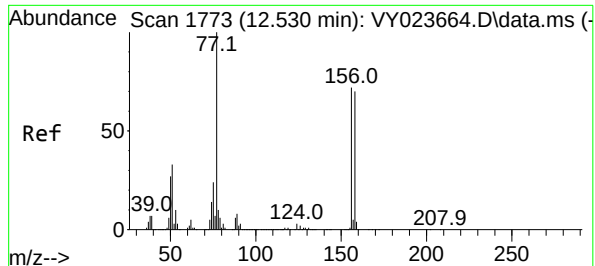
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#76
1,2,3-Trichloropropane
Concen: 98.221 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 75 Resp: 294519
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





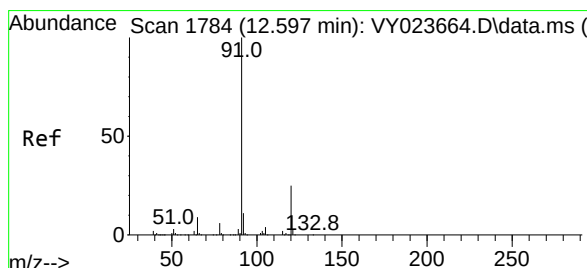
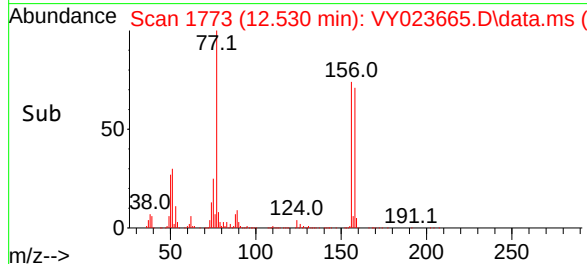
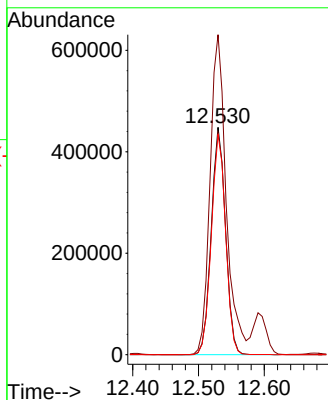
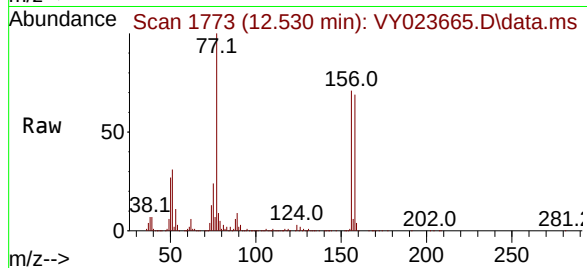
#77
Bromobenzene
Concen: 105.471 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 677938
Ion Ratio Lower Upper
156 100
77 159.3 77.9 233.7
158 97.0 48.5 145.5

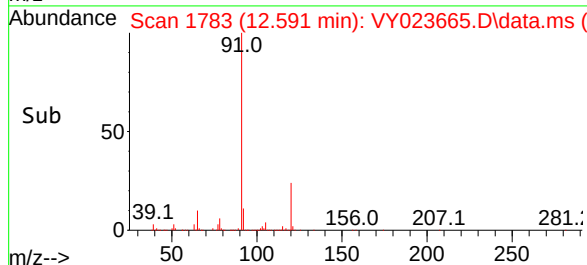
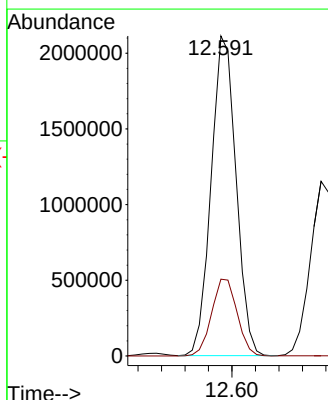
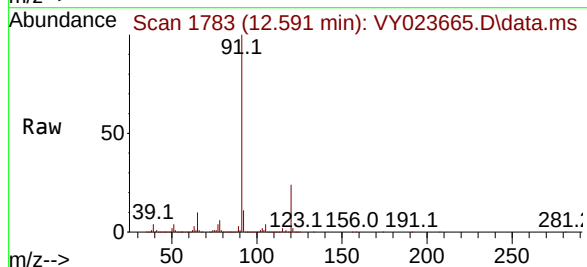
Manual Integrations
APPROVED

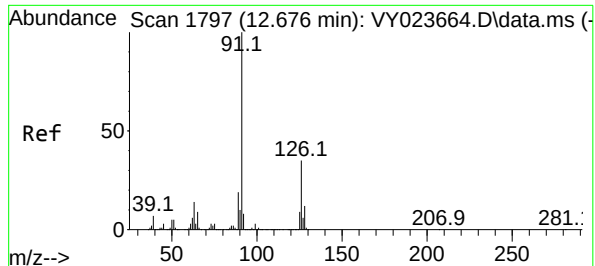
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 106.906 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 91 Resp: 3116044
Ion Ratio Lower Upper
91 100
120 24.6 12.0 36.1





#79

2-Chlorotoluene

Concen: 105.435 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1783319

Ion Ratio Lower Upper

91 100

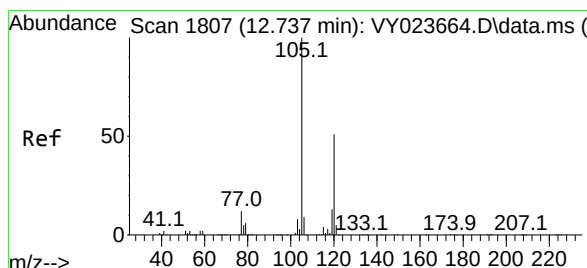
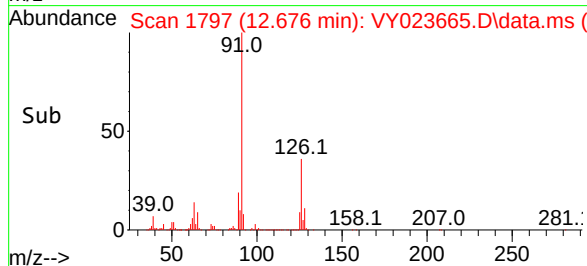
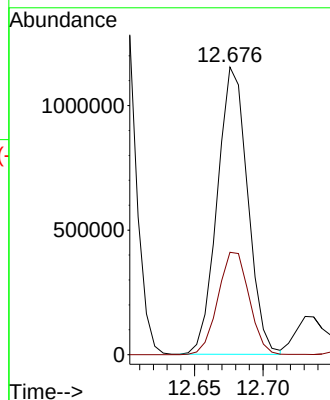
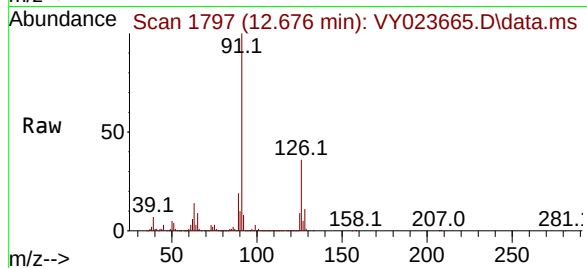
126 36.6 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 108.328 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023665.D

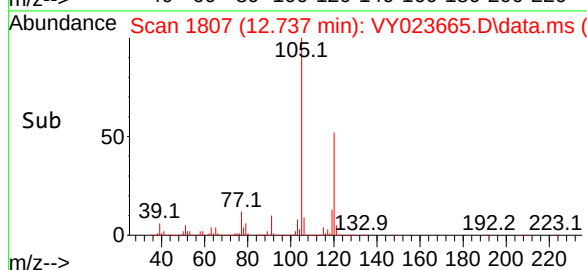
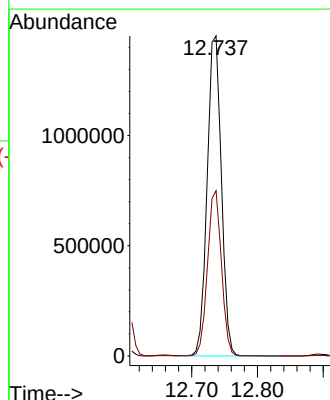
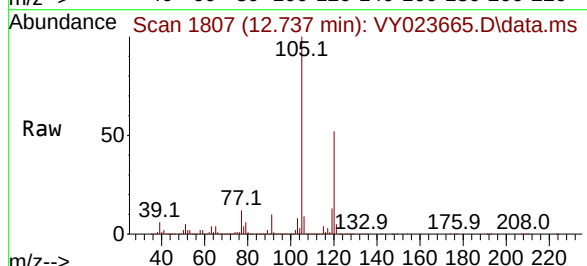
Acq: 04 Nov 2025 11:05

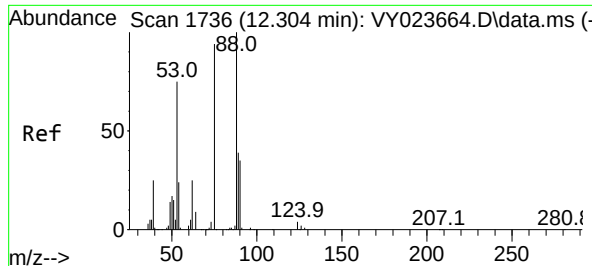
Tgt Ion:105 Resp: 2181015

Ion Ratio Lower Upper

105 100

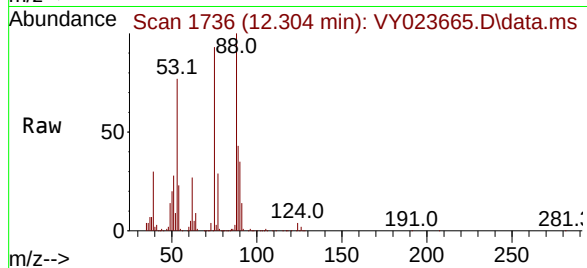
120 50.7 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 107.168 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

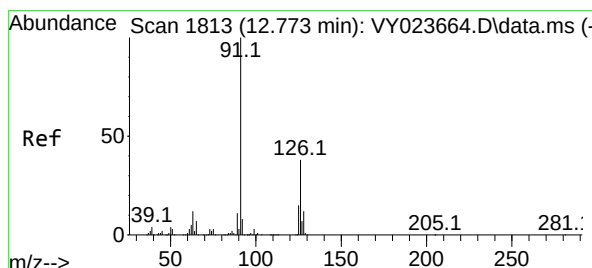
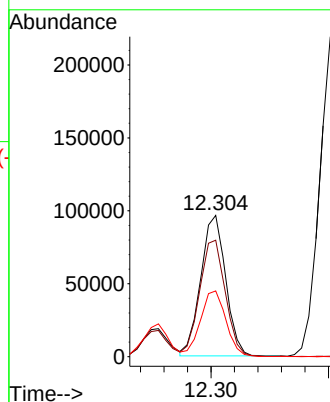
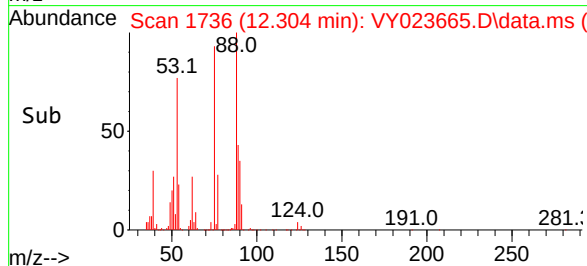
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 142192
Ion Ratio Lower Upper
75 100
53 85.8 69.6 104.4
89 48.4 38.2 57.4

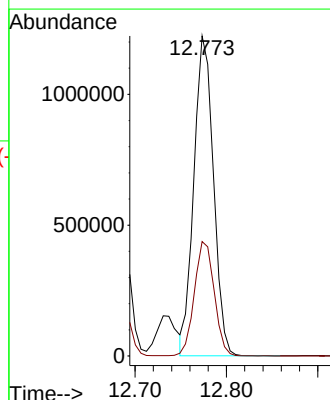
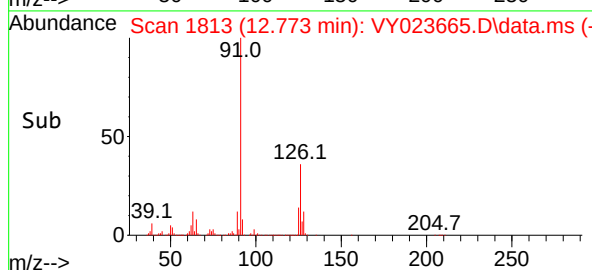
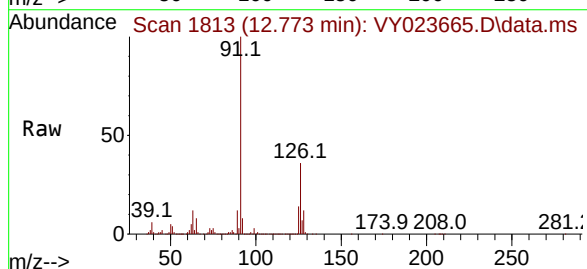
Manual Integrations
APPROVED

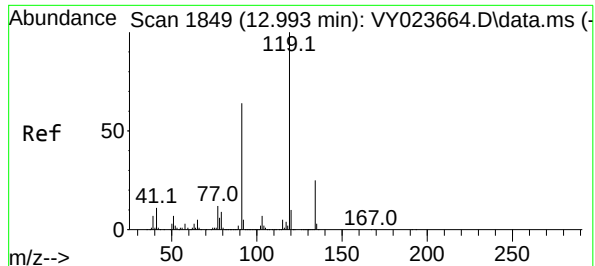
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 104.277 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 91 Resp: 1818934
Ion Ratio Lower Upper
91 100
126 36.4 18.1 54.4





#83

tert-Butylbenzene

Concen: 109.789 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 2013210

Ion Ratio Lower Upper

119 100

91 61.1 30.7 92.1

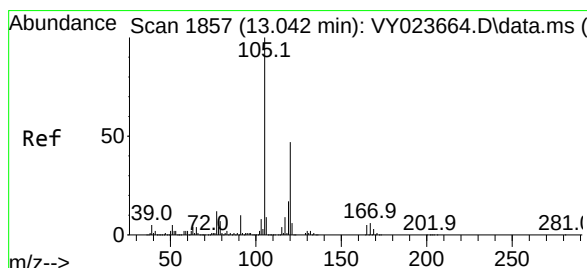
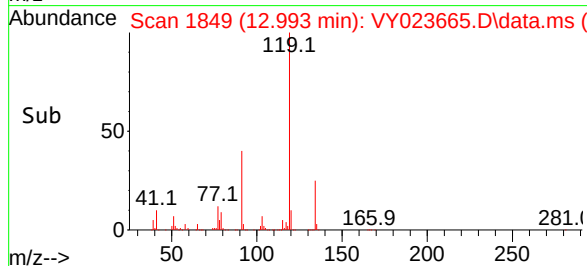
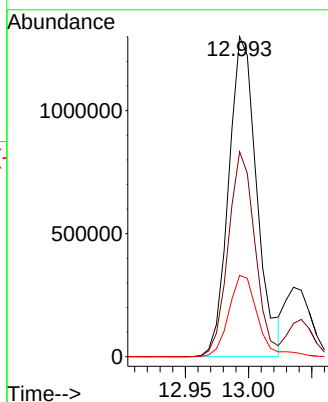
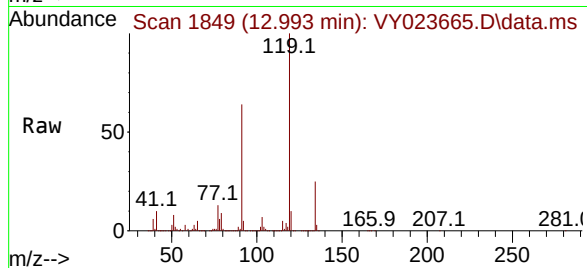
134 26.1 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#84

1,2,4-Trimethylbenzene

Concen: 108.924 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023665.D

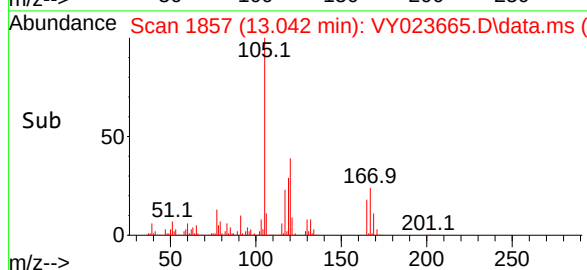
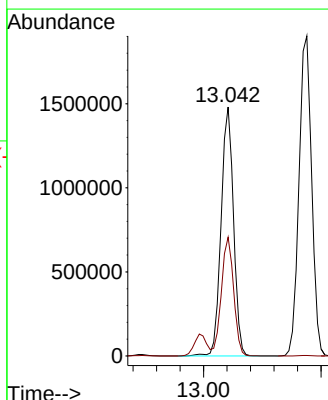
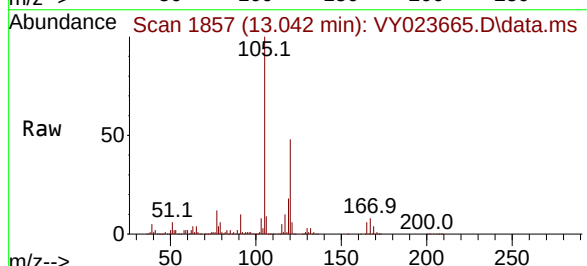
Acq: 04 Nov 2025 11:05

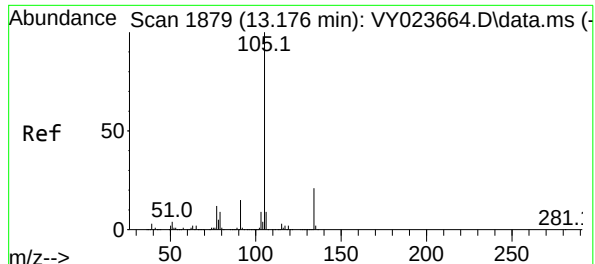
Tgt Ion:105 Resp: 2172108

Ion Ratio Lower Upper

105 100

120 47.1 23.2 69.6





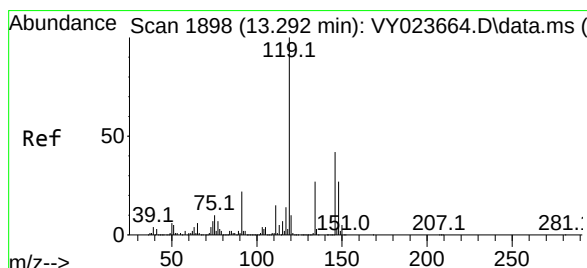
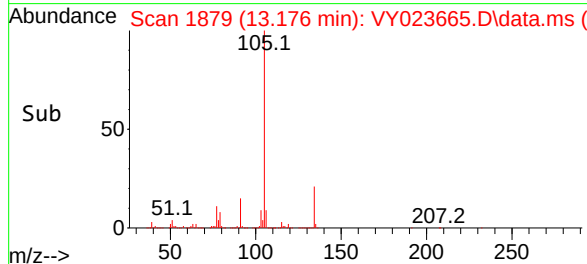
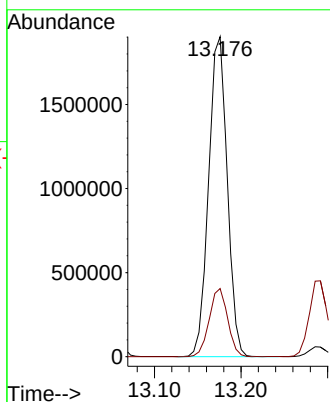
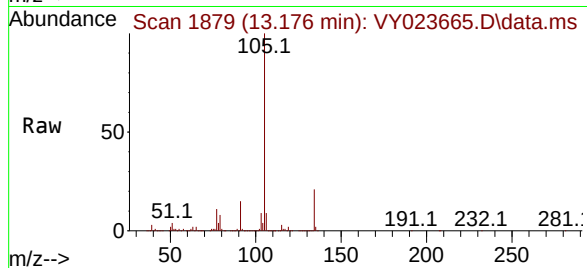
#85
sec-Butylbenzene
Concen: 107.306 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 283805
Ion Ratio Lower Upper
105 100
134 21.1 10.4 31.4

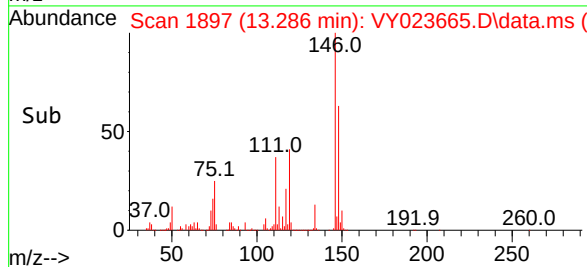
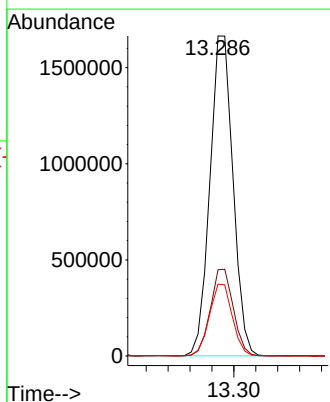
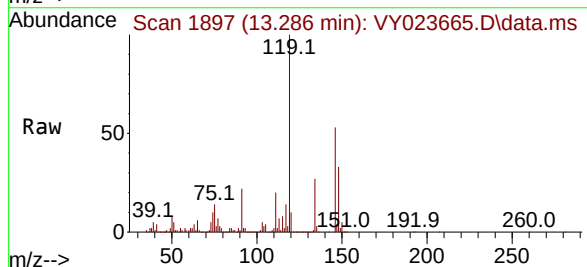
Manual Integrations
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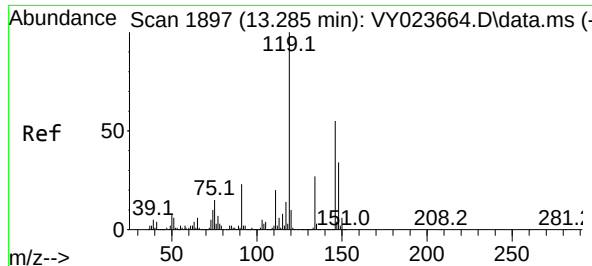
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#86
p-Isopropyltoluene
Concen: 108.929 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion:119 Resp: 2438892
Ion Ratio Lower Upper
119 100
134 27.0 13.4 40.2
91 22.2 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 102.159 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 1292429

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.3

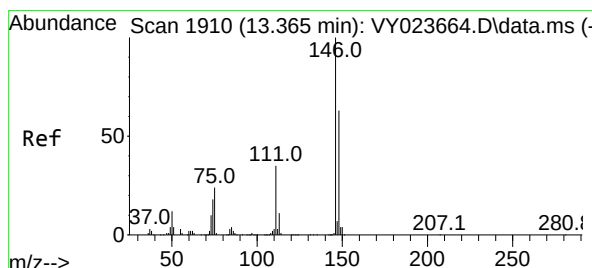
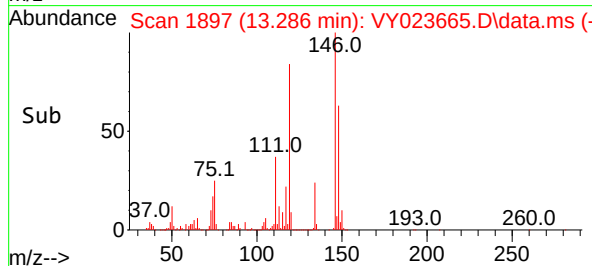
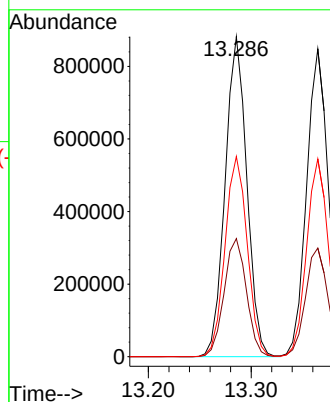
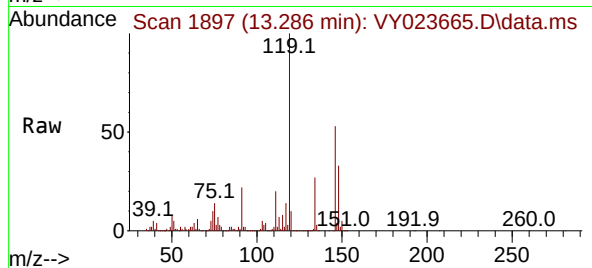
148 64.2 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 100.096 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

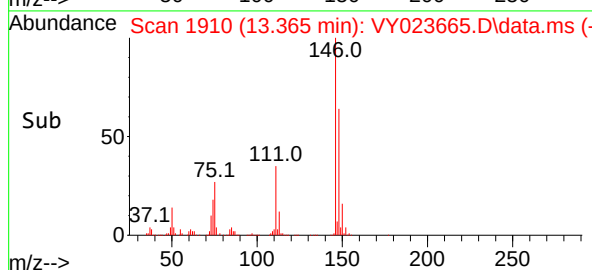
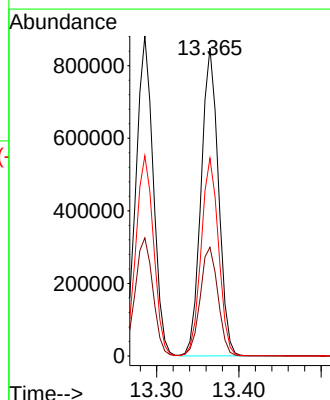
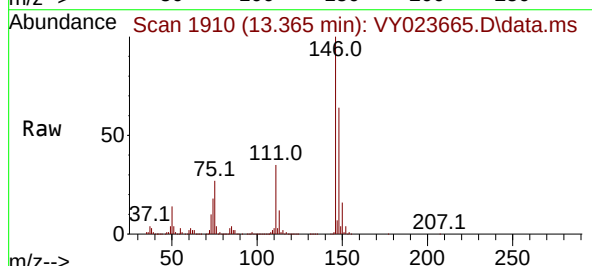
Tgt Ion:146 Resp: 1243927

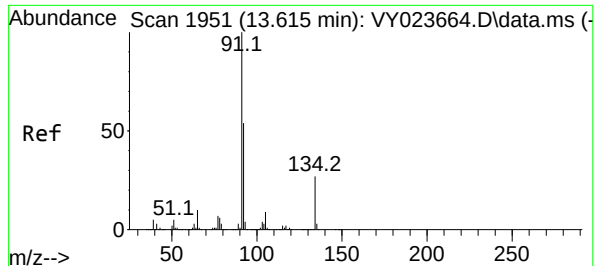
Ion Ratio Lower Upper

146 100

111 36.1 18.3 54.8

148 64.5 31.8 95.3





#89

n-Butylbenzene

Concen: 109.503 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 213196

Ion Ratio Lower Upper

91 100

92 54.2 26.5 79.4

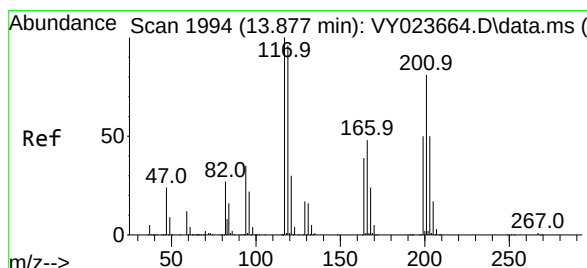
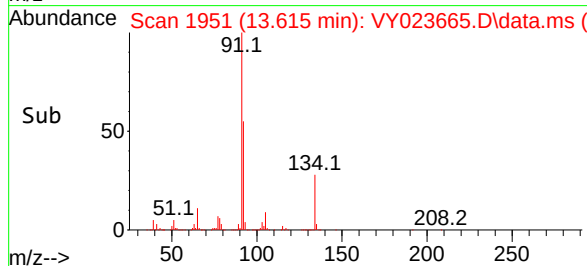
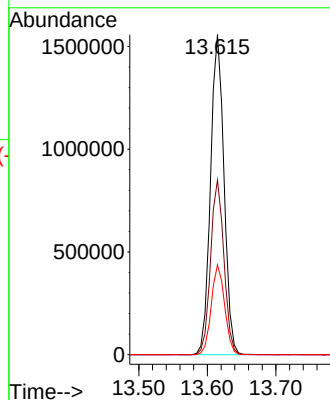
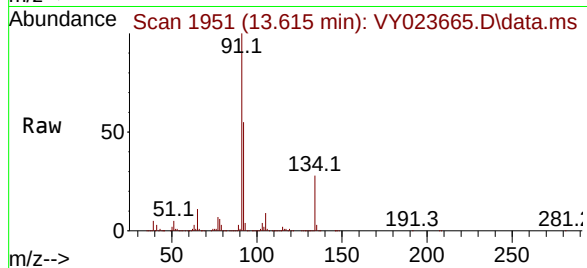
134 27.8 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 102.262 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023665.D

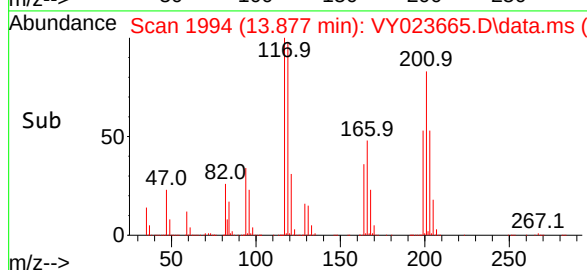
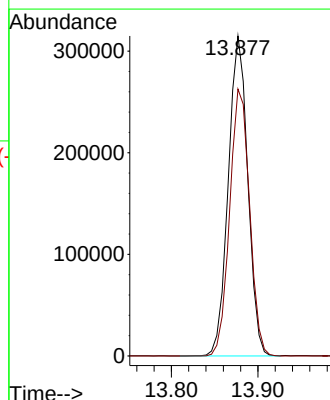
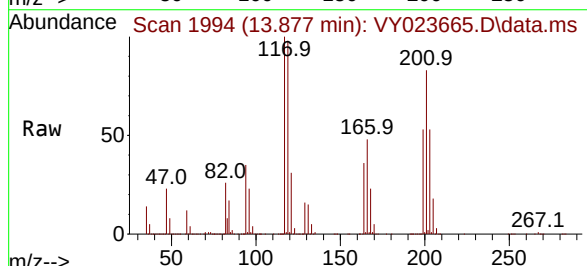
Acq: 04 Nov 2025 11:05

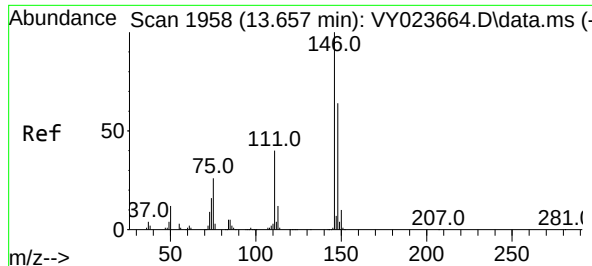
Tgt Ion:117 Resp: 492034

Ion Ratio Lower Upper

117 100

201 85.0 42.3 126.8





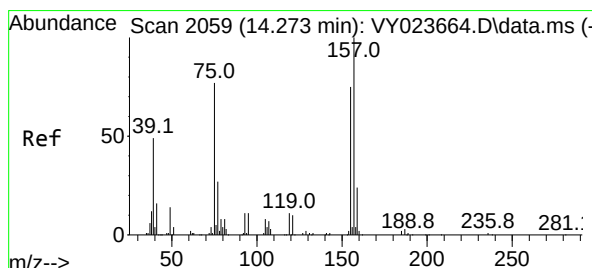
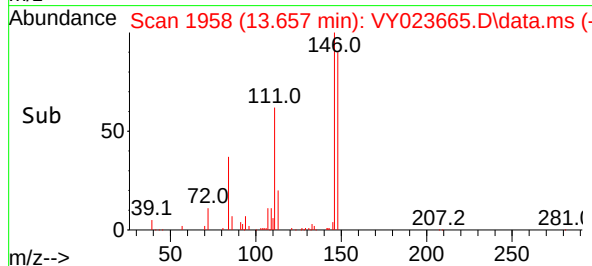
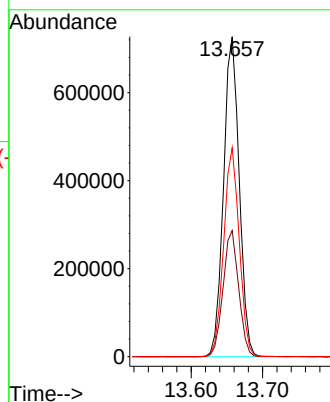
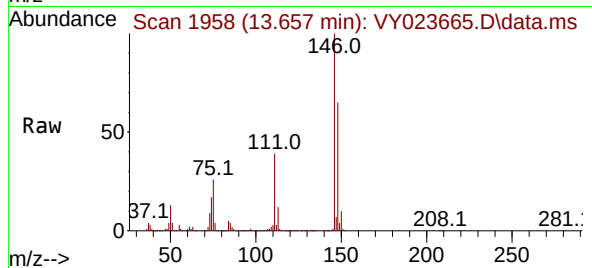
#91
1,2-Dichlorobenzene
Concen: 101.567 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 110734
Ion Ratio Lower Upper
146 100
111 39.3 19.5 58.5
148 64.8 31.9 95.9

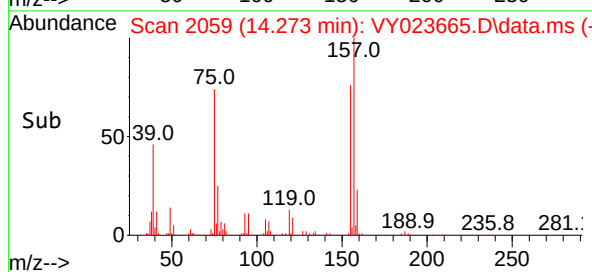
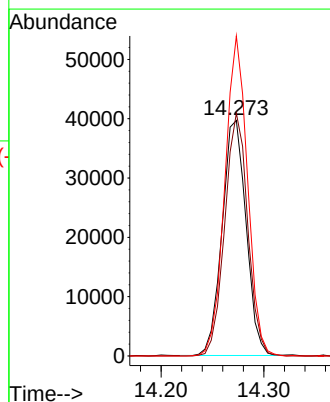
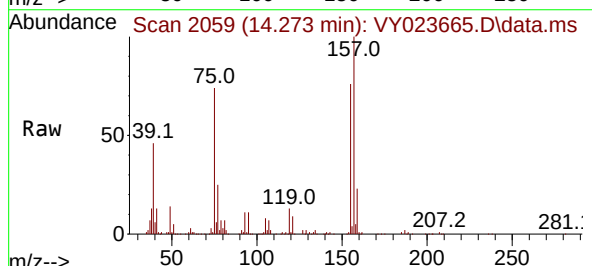
Manual Integrations
APPROVED

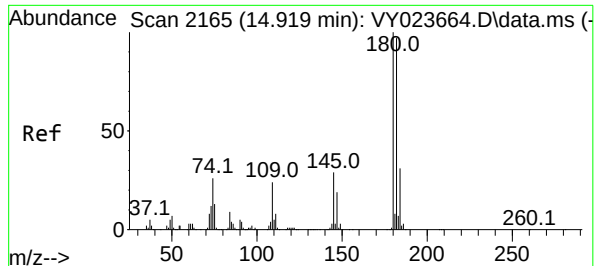
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 105.113 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023665.D
Acq: 04 Nov 2025 11:05

Tgt Ion: 75 Resp: 64052
Ion Ratio Lower Upper
75 100
155 99.0 49.4 148.2
157 128.6 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 110.855 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 691314

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

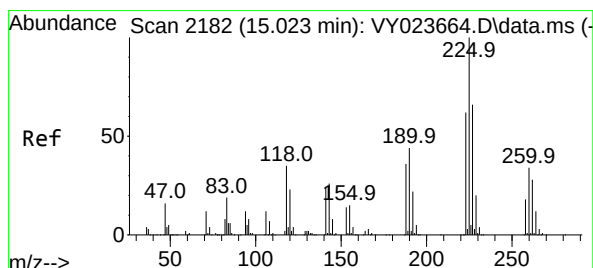
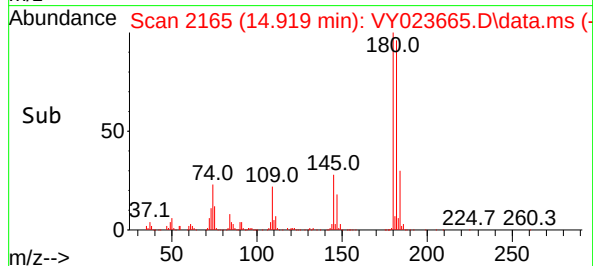
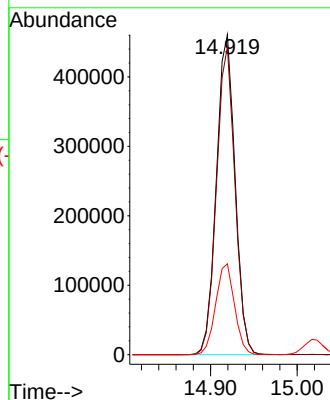
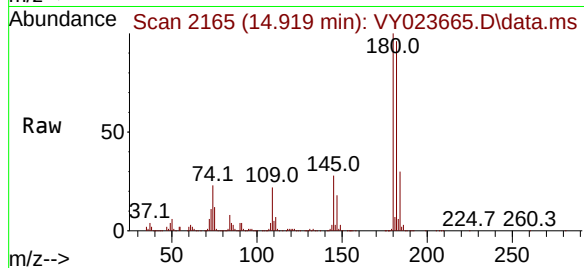
145 28.7 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 101.602 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05

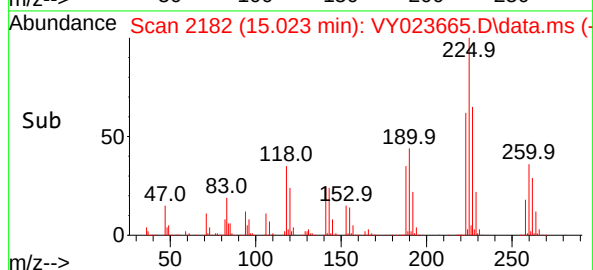
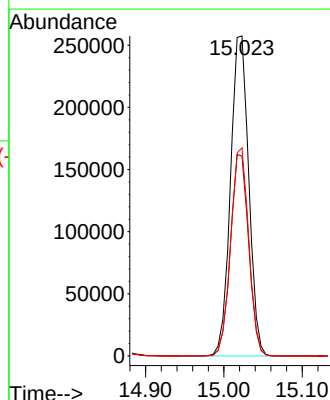
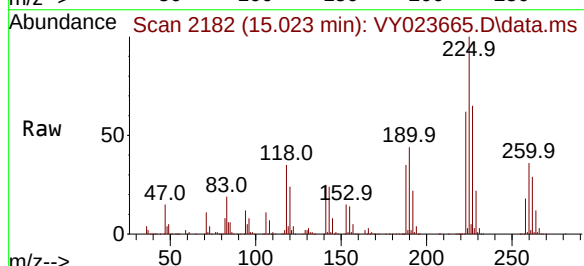
Tgt Ion:225 Resp: 415145

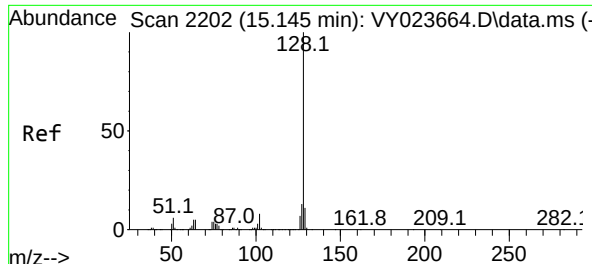
Ion Ratio Lower Upper

225 100

223 62.8 30.8 92.3

227 64.5 32.0 96.2





#95

Naphthalene

Concen: 99.258 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY023665.D

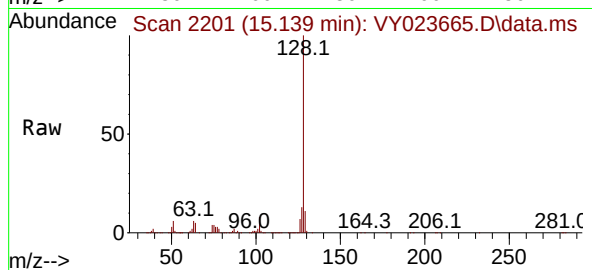
Acq: 04 Nov 2025 11:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100



Tgt Ion:128 Resp: 1145310

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

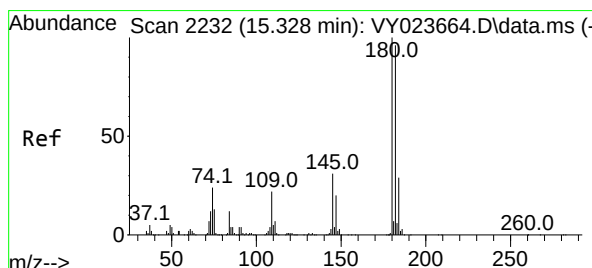
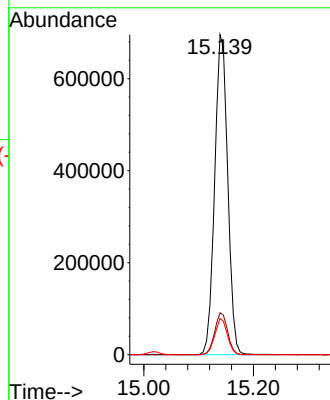
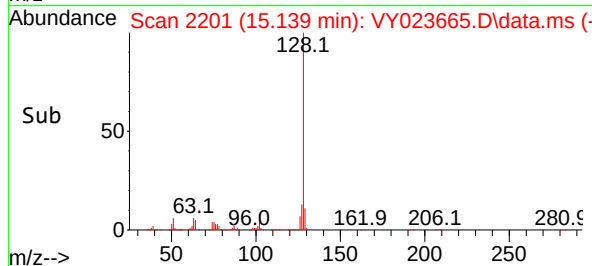
129 10.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#96

1,2,3-Trichlorobenzene

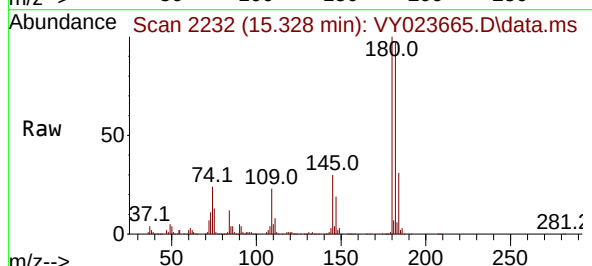
Concen: 111.152 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023665.D

Acq: 04 Nov 2025 11:05



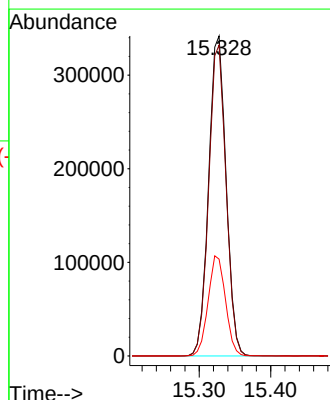
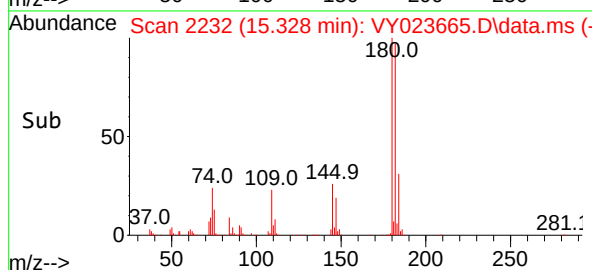
Tgt Ion:180 Resp: 579136

Ion Ratio Lower Upper

180 100

182 96.5 47.5 142.6

145 31.2 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023666.D
 Acq On : 04 Nov 2025 11:27
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 05 04:30:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	621042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	901916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	790988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	391606	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	757684	143.025	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 286.060%#	
35) Dibromofluoromethane	7.634	113	832527	147.706	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 295.420%#	
50) Toluene-d8	10.109	98	3136015	149.364	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 298.720%#	
62) 4-Bromofluorobenzene	12.402	95	1040552	153.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 306.500%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	496440	121.776	ug/l	99
3) Chloromethane	2.068	50	712373	124.873	ug/l	99
4) Vinyl Chloride	2.208	62	946660	127.526	ug/l	99
5) Bromomethane	2.586	94	814598	130.454	ug/l	99
6) Chloroethane	2.733	64	660222	128.682	ug/l	99
7) Trichlorofluoromethane	3.056	101	1409197	134.789	ug/l	99
8) Diethyl Ether	3.452	74	408901	145.847	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	772147	134.049	ug/l	100
10) Methyl Iodide	4.007	142	993484	146.059	ug/l	99
11) Tert butyl alcohol	4.860	59	249226	729.606	ug/l	98
12) 1,1-Dichloroethene	3.787	96	780521	140.665	ug/l	99
13) Acrolein	3.653	56	304058	692.535	ug/l	99
14) Allyl chloride	4.385	41	1016094	150.446	ug/l	98
15) Acrylonitrile	5.055	53	824786	769.798	ug/l	99
16) Acetone	3.866	43	947595	719.612	ug/l	99
17) Carbon Disulfide	4.104	76	2304859	135.337	ug/l	100
18) Methyl Acetate	4.385	43	405494	139.609	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	2032527	157.970	ug/l	99
20) Methylene Chloride	4.616	84	813039	127.899	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	892080	142.587	ug/l	95
22) Diisopropyl ether	6.019	45	2264384	150.464	ug/l	98
23) Vinyl Acetate	5.958	43	6576961	818.950	ug/l	99
24) 1,1-Dichloroethane	5.915	63	1415798	141.217	ug/l	99
25) 2-Butanone	6.896	43	1180801	775.579	ug/l	99
26) 2,2-Dichloropropane	6.884	77	1319960	143.128	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	1051376	147.141	ug/l	99
28) Bromochloromethane	7.244	49	519064	135.216	ug/l	99
29) Tetrahydrofuran	7.262	42	655805	808.815	ug/l	99
30) Chloroform	7.421	83	1551090	138.663	ug/l	99
31) Cyclohexane	7.701	56	1230432	140.926	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	1402944	140.327	ug/l	99
36) 1,1-Dichloropropene	7.835	75	1096950	145.645	ug/l	99
37) Ethyl Acetate	6.982	43	465489	159.651	ug/l	99
38) Carbon Tetrachloride	7.817	117	1279569	144.193	ug/l	99
39) Methylcyclohexane	9.109	83	1522789	158.237	ug/l	99
40) Benzene	8.079	78	3423551	144.208	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023666.D
 Acq On : 04 Nov 2025 11:27
 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 :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:30:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:24:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	270053	173.645	ug/l	93
42) 1,2-Dichloroethane	8.158	62	864999	144.018	ug/l	99
43) Isopropyl Acetate	8.195	43	915445	167.105	ug/l	100
44) Trichloroethene	8.866	130	968647	142.056	ug/l	100
45) 1,2-Dichloropropane	9.140	63	765153	146.035	ug/l	98
46) Dibromomethane	9.231	93	477241	147.004	ug/l	99
47) Bromodichloromethane	9.420	83	1193540	145.820	ug/l	100
48) Methyl methacrylate	9.219	41	456960	176.551	ug/l	99
49) 1,4-Dioxane	9.225	88	110006	3311.077	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	2437010	836.491	ug/l	100
52) Toluene	10.170	92	2278105	150.304	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	1101094	158.988	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	1281333	154.422	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	637615	146.967	ug/l	98
56) Ethyl methacrylate	10.438	69	873314	182.696	ug/l	99
57) 1,3-Dichloropropane	10.719	76	1018360	147.983	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	1973993	899.933	ug/l	99
59) 2-Hexanone	10.762	43	1802207	847.892	ug/l	99
60) Dibromochloromethane	10.914	129	889783	149.265	ug/l	99
61) 1,2-Dibromoethane	11.012	107	612102	150.335	ug/l	100
64) Tetrachloroethene	10.646	164	1096726	133.211	ug/l	98
65) Chlorobenzene	11.438	112	2508744	145.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	891788	146.458	ug/l	99
67) Ethyl Benzene	11.518	91	4316877	154.896	ug/l	100
68) m/p-Xylenes	11.627	106	3451849	310.002	ug/l	99
69) o-Xylene	11.957	106	1640734	159.402	ug/l	100
70) Styrene	11.969	104	2716949	159.981	ug/l	99
71) Bromoform	12.133	173	548567	154.254	ug/l	100
73) Isopropylbenzene	12.255	105	4137095	157.957	ug/l	99
74) N-amyl acetate	12.066	43	819575	184.824	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	662143	158.291	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	459716m	145.052	ug/l	
77) Bromobenzene	12.530	156	1039954	153.073	ug/l	98
78) n-propylbenzene	12.591	91	4789010	155.449	ug/l	99
79) 2-Chlorotoluene	12.676	91	2739475	153.238	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	3356489	157.728	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	230746	164.538	ug/l	98
82) 4-Chlorotoluene	12.773	91	2799224	151.827	ug/l	99
83) tert-Butylbenzene	12.993	119	3140967	162.060	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	3343184	158.616	ug/l	99
85) sec-Butylbenzene	13.176	105	4372346	156.408	ug/l	99
86) p-Isopropyltoluene	13.292	119	3826970	161.714	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	2007587	150.136	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1914429	145.749	ug/l	99
89) n-Butylbenzene	13.615	91	3341239	162.367	ug/l	98
90) Hexachloroethane	13.877	117	761235	149.685	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1711163	148.493	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	101448	157.511	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	1108704	168.205	ug/l	99
94) Hexachlorobutadiene	15.023	225	641847	148.620	ug/l	99
95) Naphthalene	15.139	128	1891291	152.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	929367	168.759	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023666.D
Acq On : 04 Nov 2025 11:27
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 :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:30:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 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\VY110425\
 Data File : VY023666.D
 Acq On : 04 Nov 2025 11:27
 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 :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

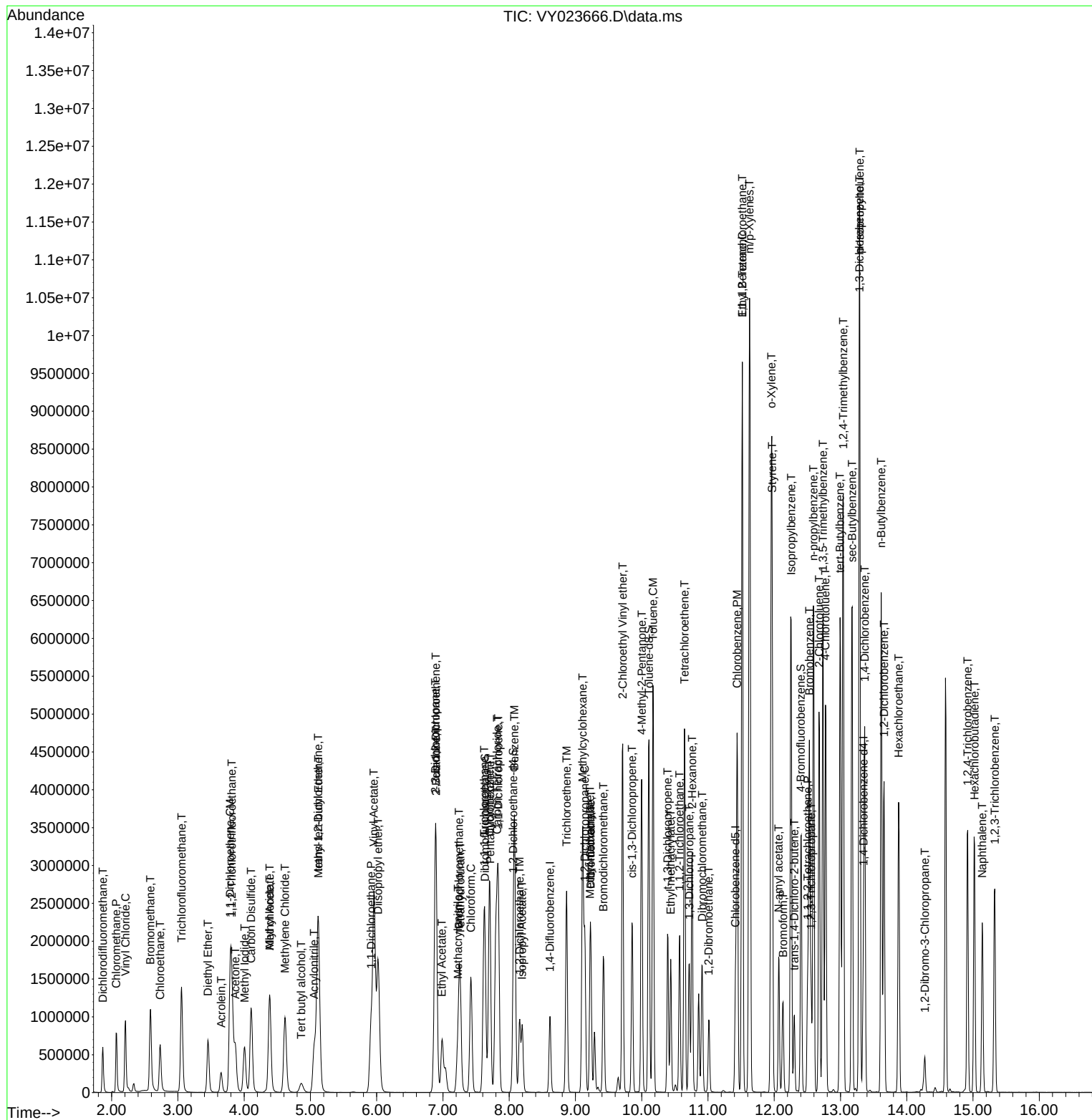
Quant Time: Nov 05 04:30:30 2025

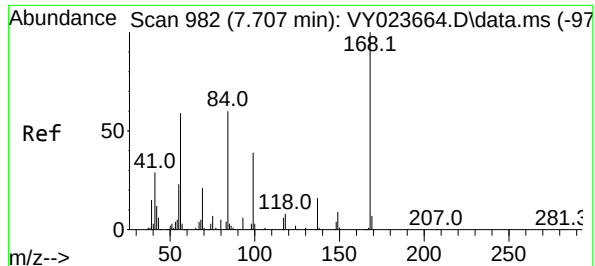
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:24:21 2025

Response via : Initial Calibration





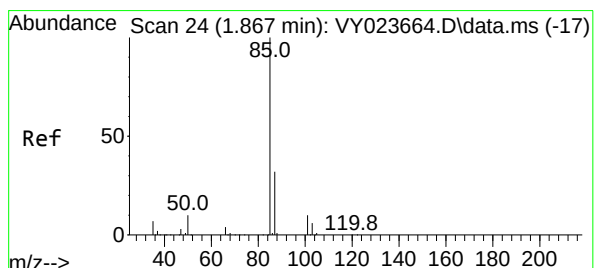
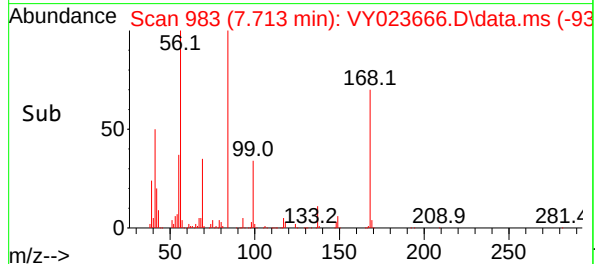
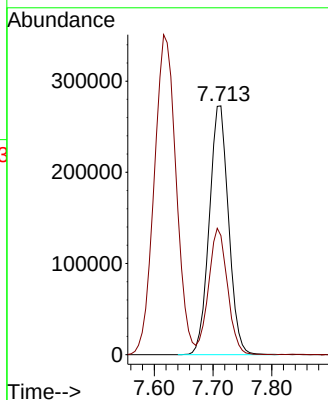
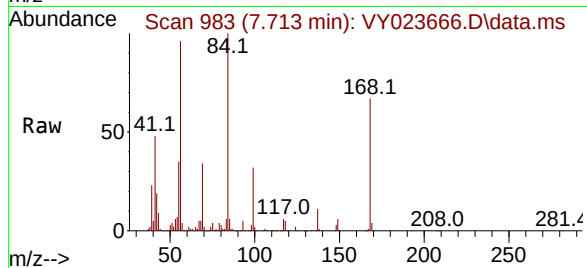
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 62104
Ion Ratio Lower Upper
168 100
99 47.8 41.0 61.4

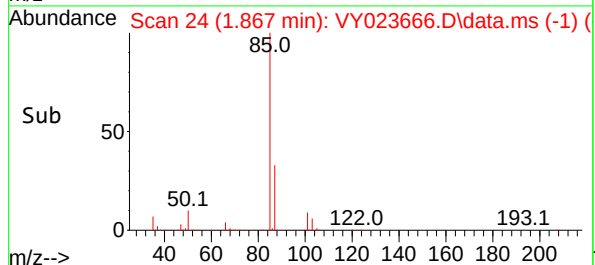
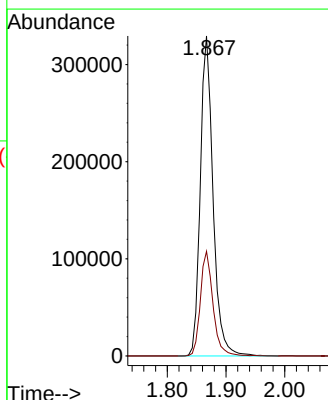
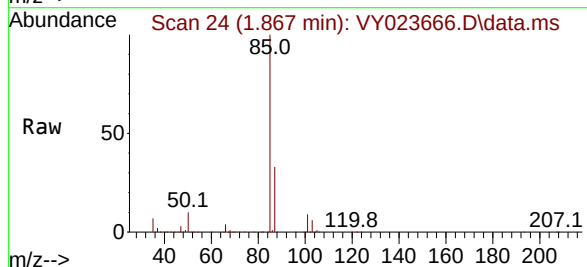
Manual Integrations
APPROVED

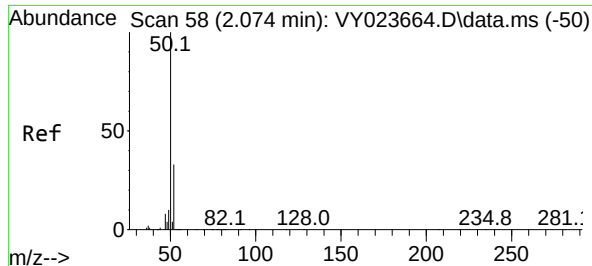
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 121.776 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 85 Resp: 496440
Ion Ratio Lower Upper
85 100
87 32.7 16.2 48.6





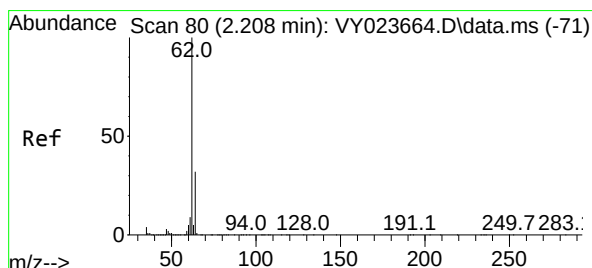
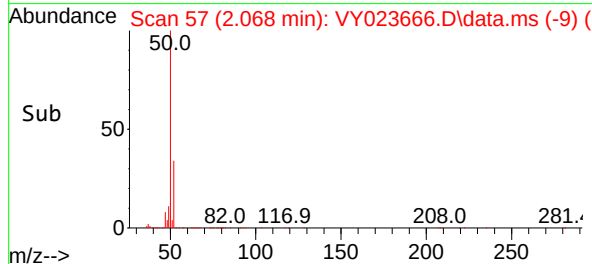
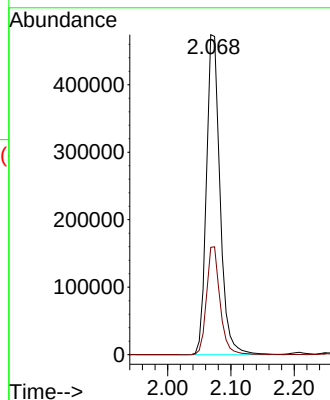
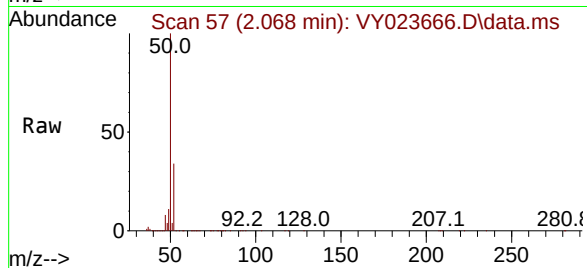
#3
Chloromethane
Concen: 124.873 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 71237
Ion Ratio Lower Upper
50 100
52 33.6 26.5 39.7

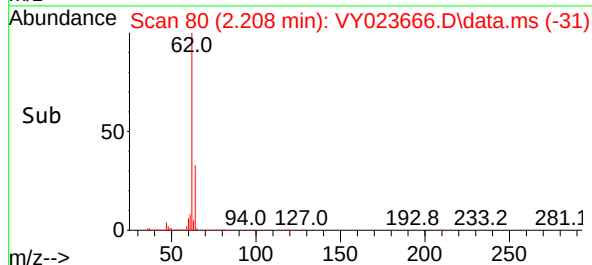
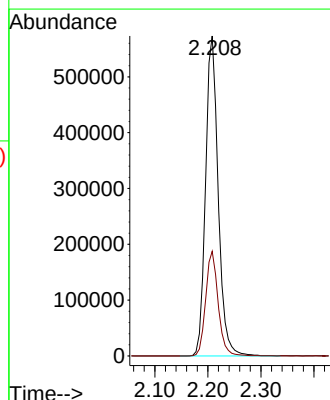
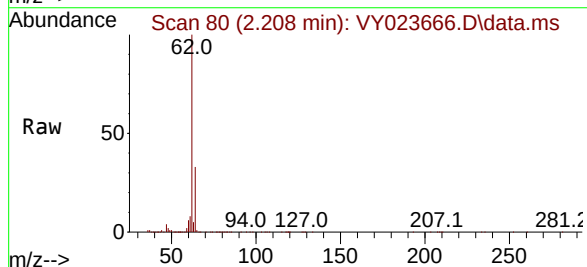
Manual Integrations
APPROVED

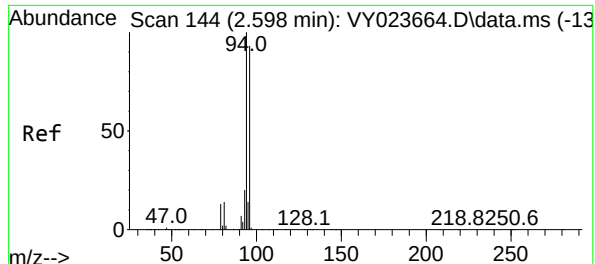
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#4
Vinyl Chloride
Concen: 127.526 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 62 Resp: 946660
Ion Ratio Lower Upper
62 100
64 32.7 25.7 38.5





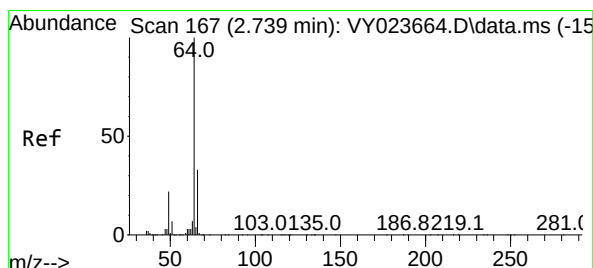
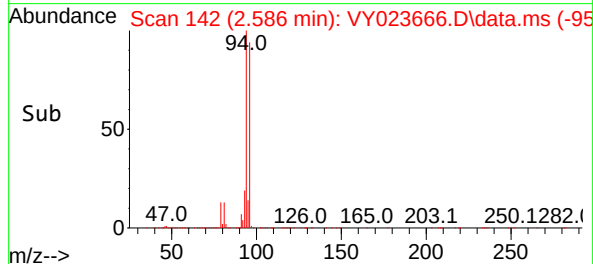
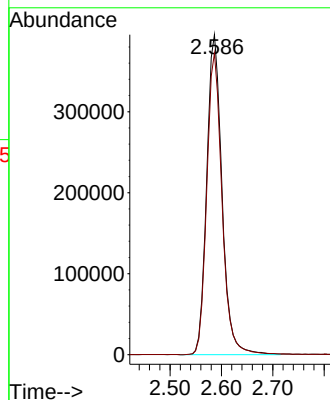
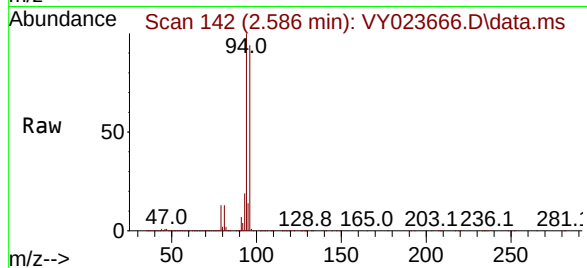
#5
Bromomethane
Concen: 130.454 ug/l
RT: 2.586 min Scan# 144
Delta R.T. -0.012 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 814598
Ion Ratio Lower Upper
94 100
96 94.3 74.4 111.6

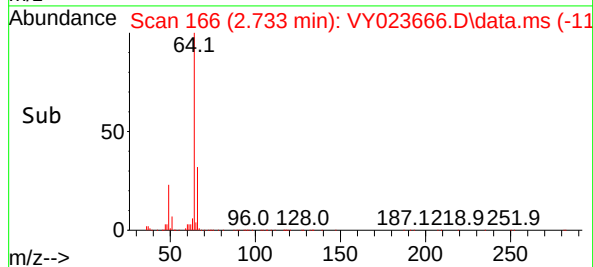
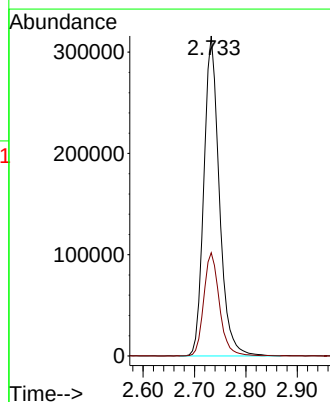
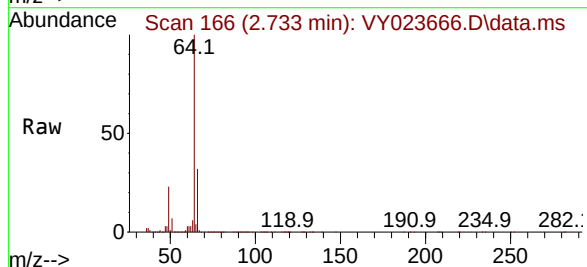
Manual Integrations
APPROVED

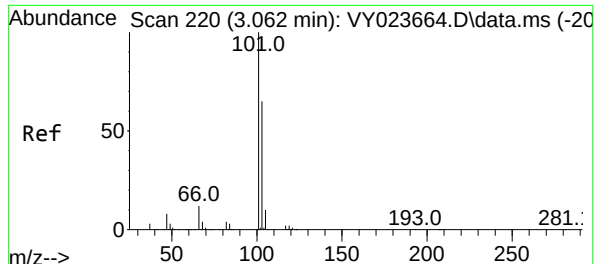
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 128.682 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

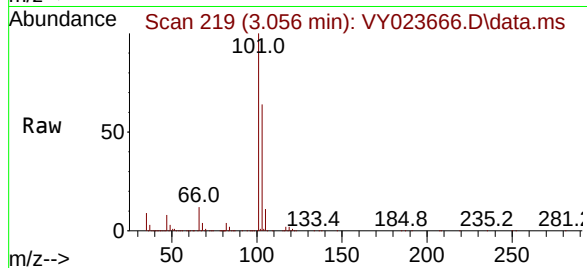
Tgt Ion: 64 Resp: 660222
Ion Ratio Lower Upper
64 100
66 32.2 26.2 39.4





#7
Trichlorofluoromethane
Concen: 134.789 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

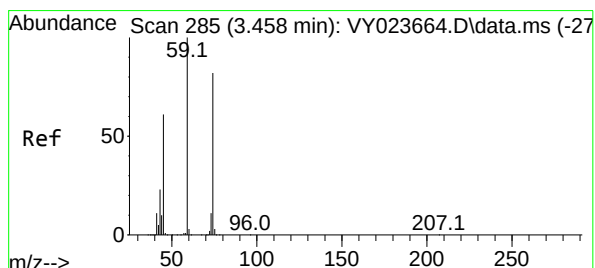
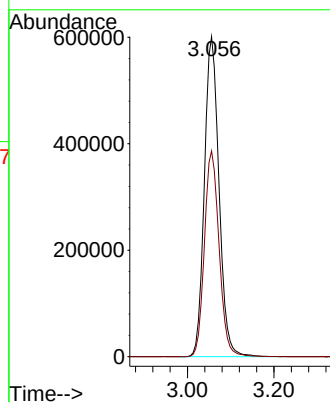
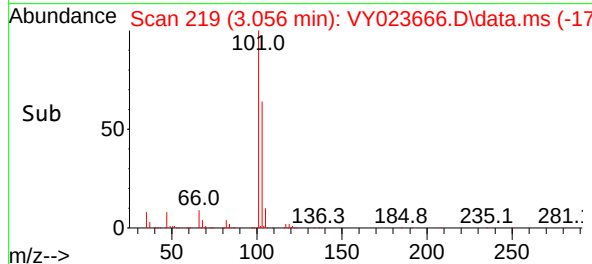
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



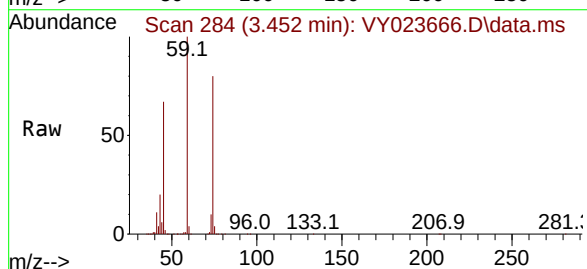
Tgt Ion:101 Resp: 140919
Ion Ratio Lower Upper
101 100
103 64.3 52.1 78.1

Manual Integrations
APPROVED

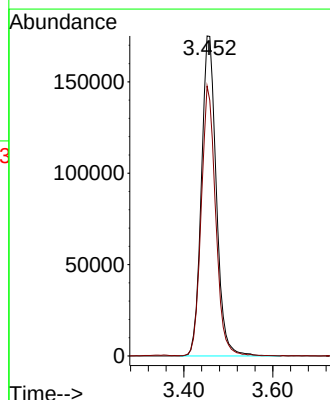
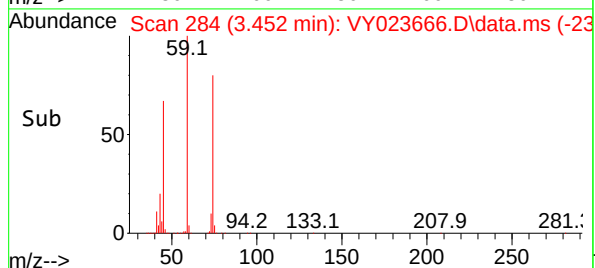
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

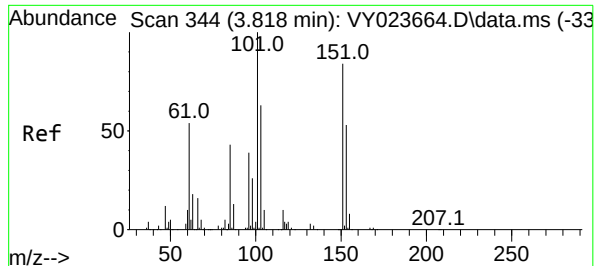


#8
Diethyl Ether
Concen: 145.847 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27



Tgt Ion: 74 Resp: 408901
Ion Ratio Lower Upper
74 100
45 81.4 40.6 121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.049 ug/l

RT: 3.812 min Scan# 344

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:101 Resp: 77214

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

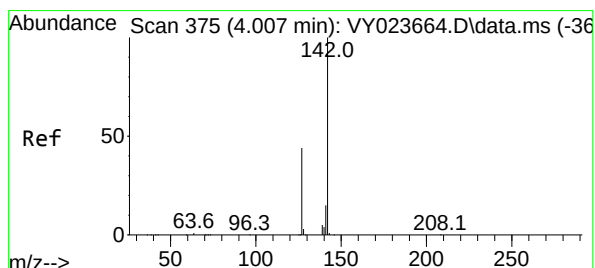
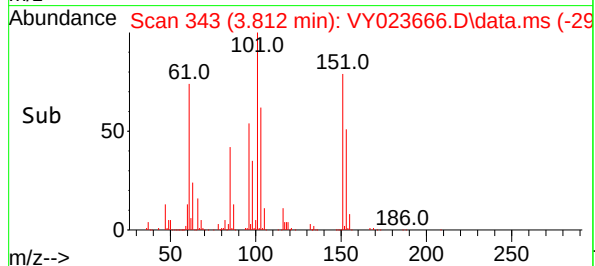
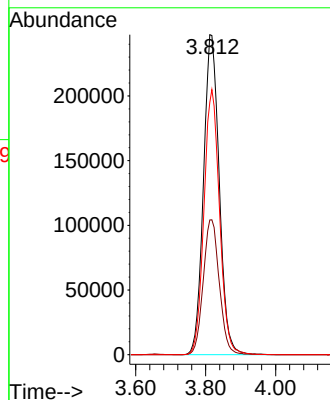
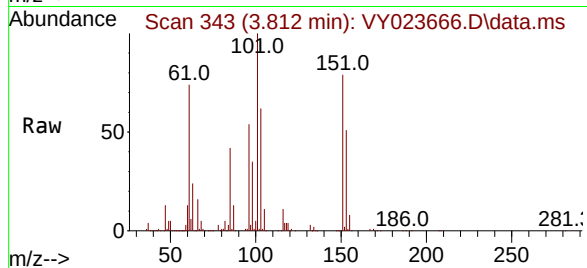
151 82.3 65.6 98.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#10

Methyl Iodide

Concen: 146.059 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

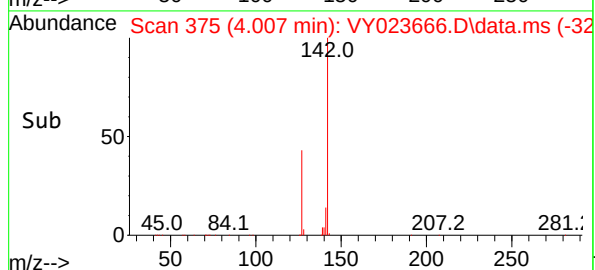
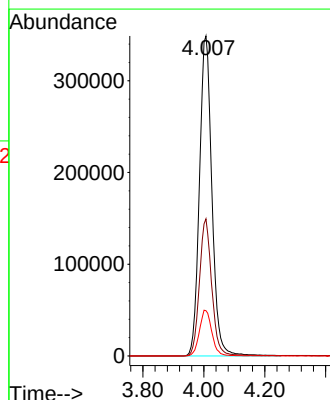
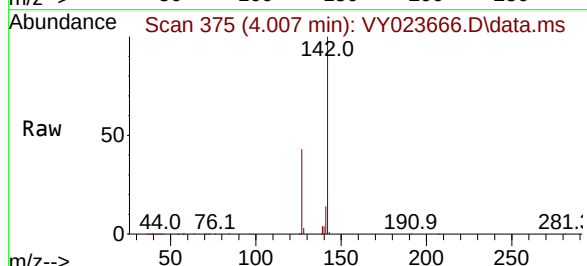
Tgt Ion:142 Resp: 993484

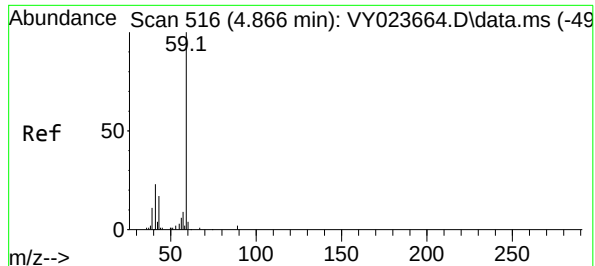
Ion Ratio Lower Upper

142 100

127 42.2 34.6 51.8

141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 729.606 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 249220

Ion Ratio Lower Upper

59 100

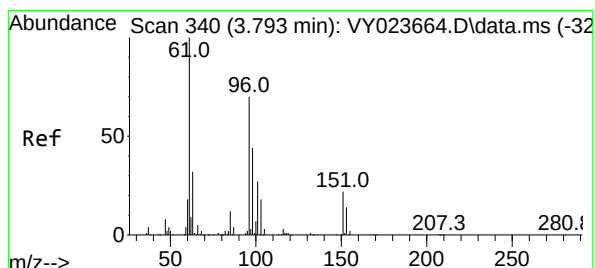
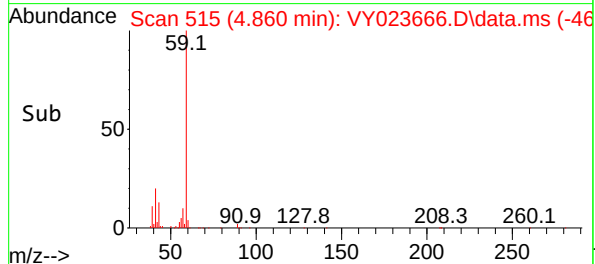
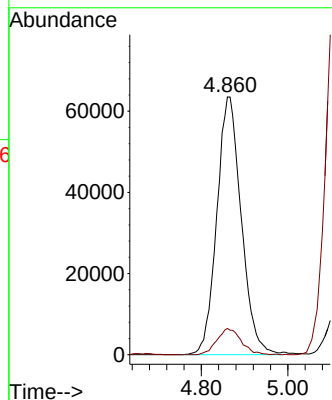
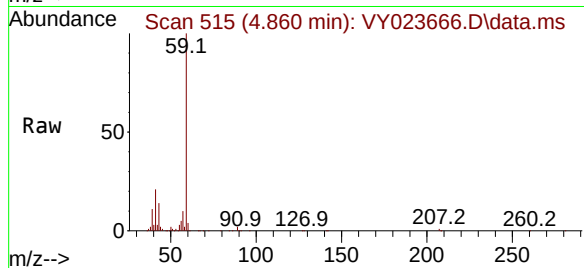
57 10.1 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 140.665 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

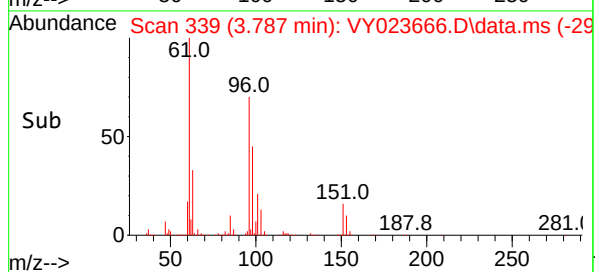
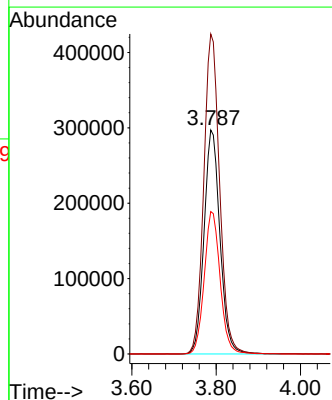
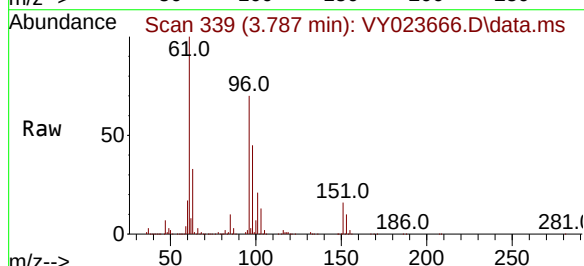
Tgt Ion: 96 Resp: 780521

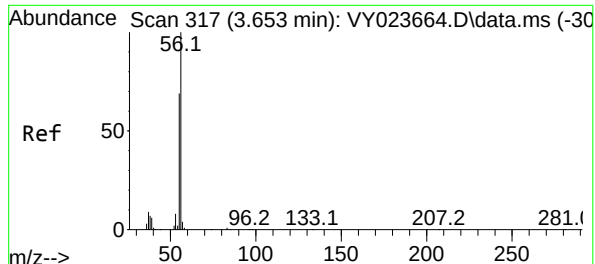
Ion Ratio Lower Upper

96 100

61 142.9 114.0 171.0

98 63.6 50.2 75.2





#13

Acrolein

Concen: 692.535 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 304058

Ion Ratio Lower Upper

56 100

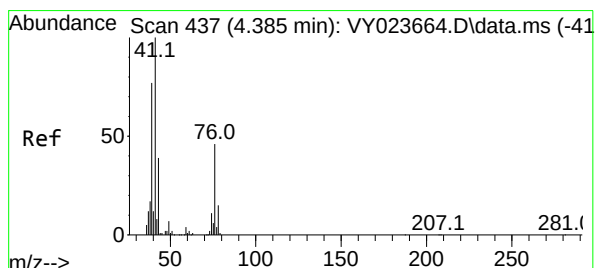
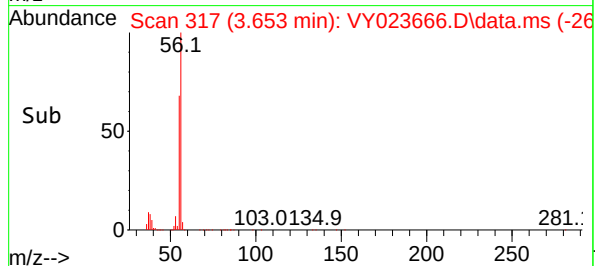
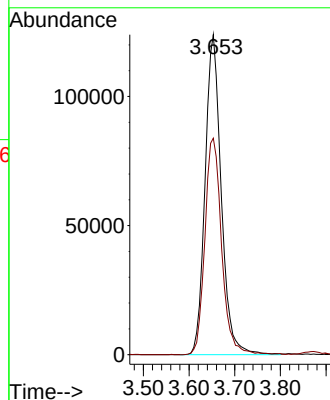
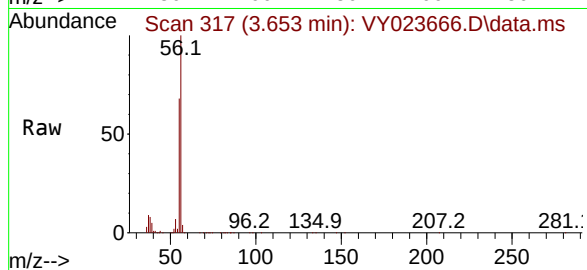
55 70.2 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 150.446 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

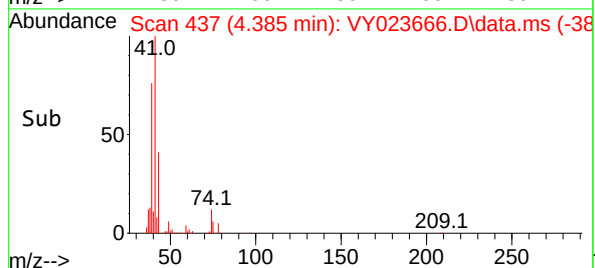
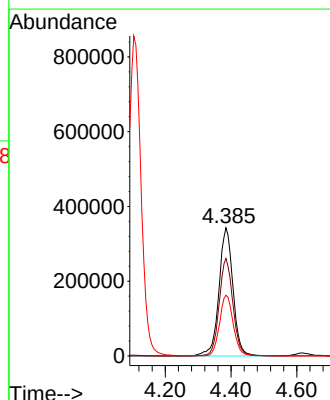
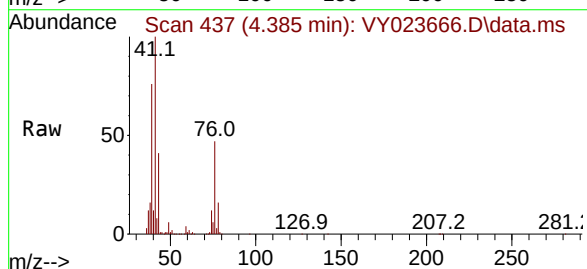
Tgt Ion: 41 Resp: 1016094

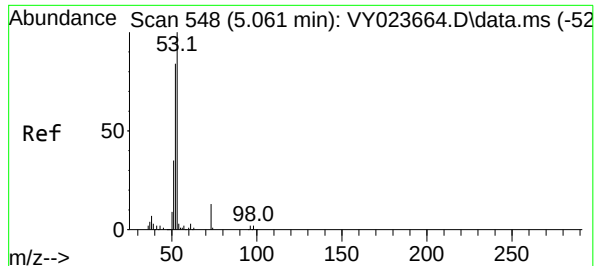
Ion Ratio Lower Upper

41 100

39 74.1 60.4 90.6

76 45.8 38.0 57.0





#15

Acrylonitrile

Concen: 769.798 ug/l

RT: 5.055 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 824780

Ion Ratio Lower Upper

53 100

52 80.5 64.9 97.3

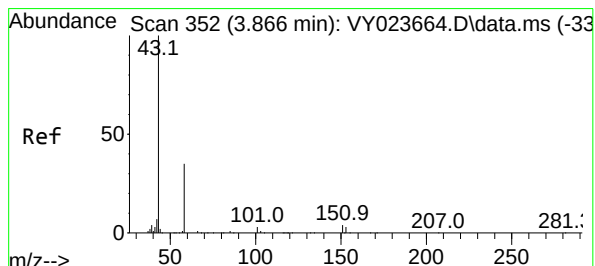
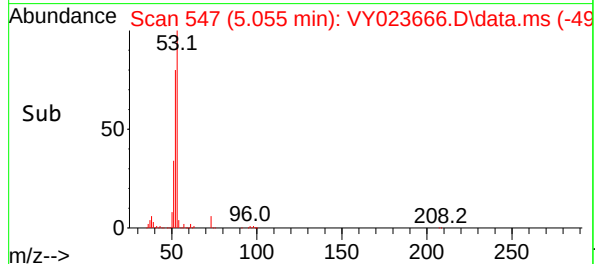
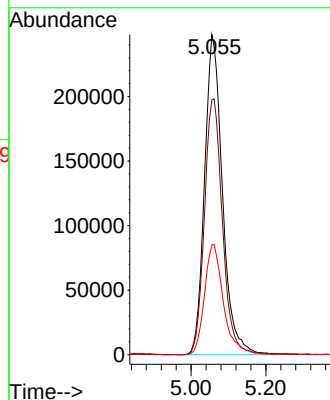
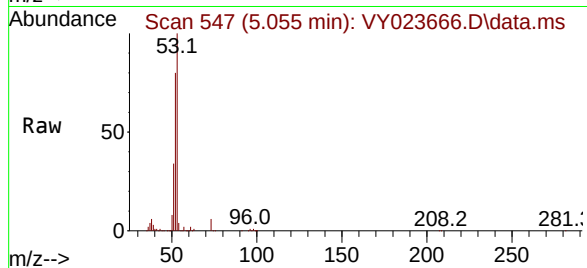
51 36.4 29.4 44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#16

Acetone

Concen: 719.612 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023666.D

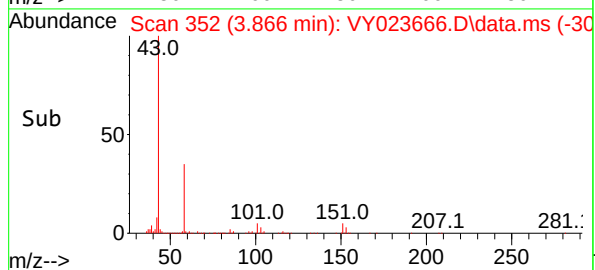
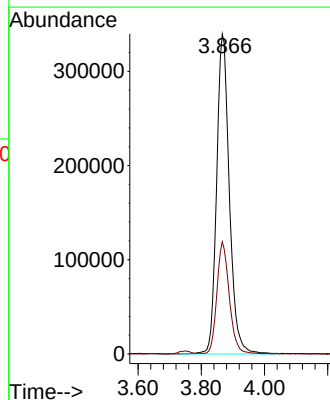
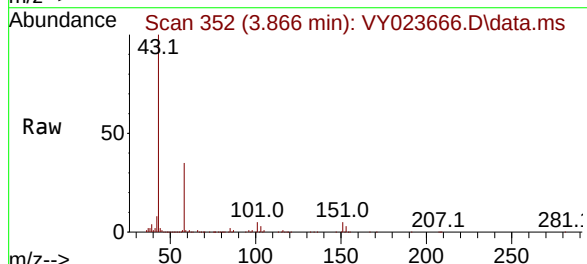
Acq: 04 Nov 2025 11:27

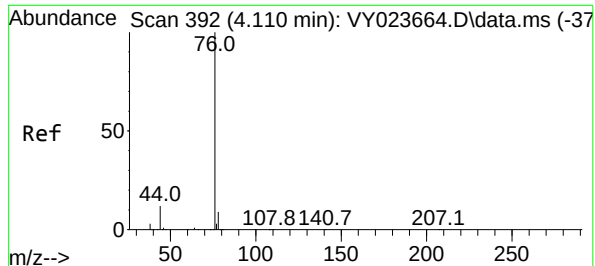
Tgt Ion: 43 Resp: 947595

Ion Ratio Lower Upper

43 100

58 35.0 28.2 42.4





#17

Carbon Disulfide

Concen: 135.337 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 230485

Ion Ratio Lower Upper

76 100

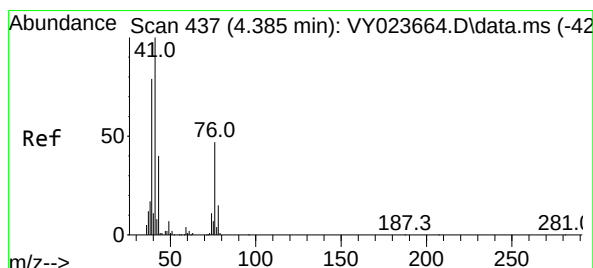
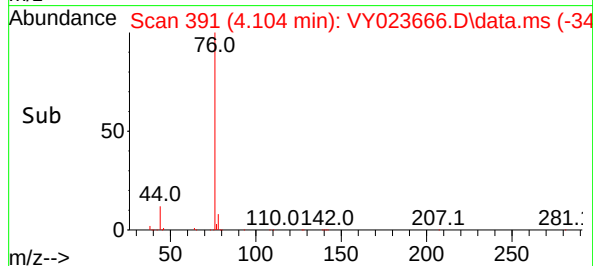
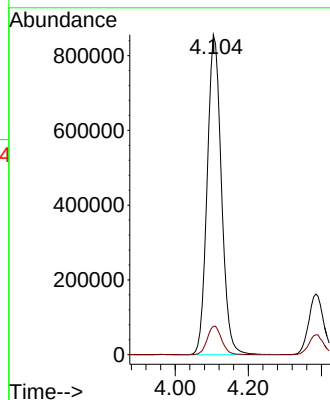
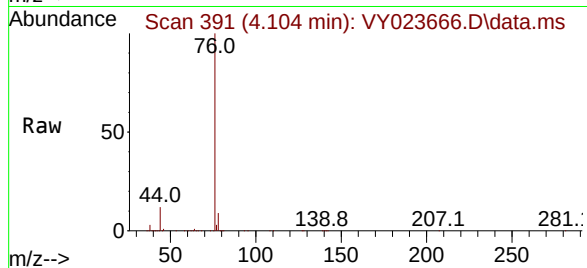
78 8.9 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#18

Methyl Acetate

Concen: 139.609 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023666.D

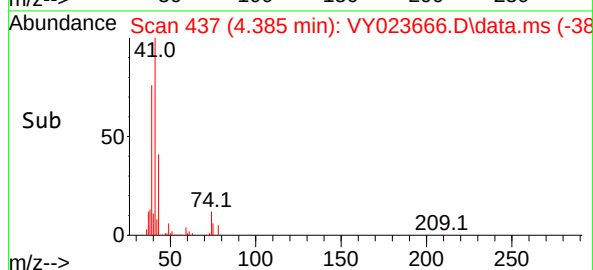
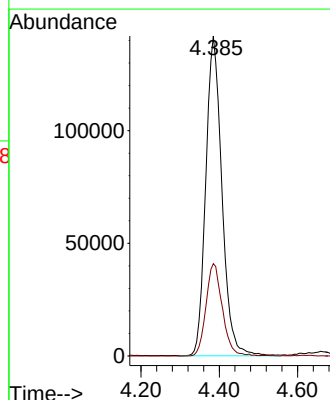
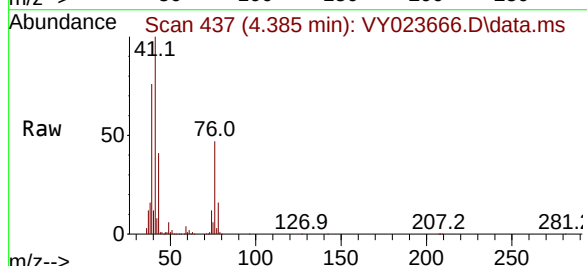
Acq: 04 Nov 2025 11:27

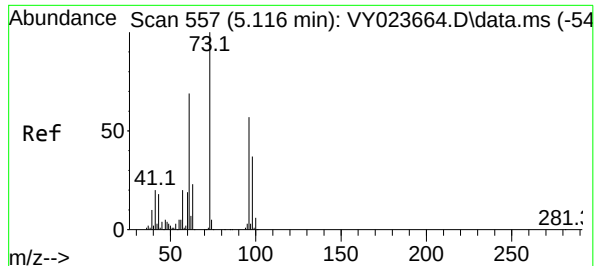
Tgt Ion: 43 Resp: 405494

Ion Ratio Lower Upper

43 100

74 29.2 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 157.970 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 73 Resp: 203252

Ion Ratio Lower Upper

73 100

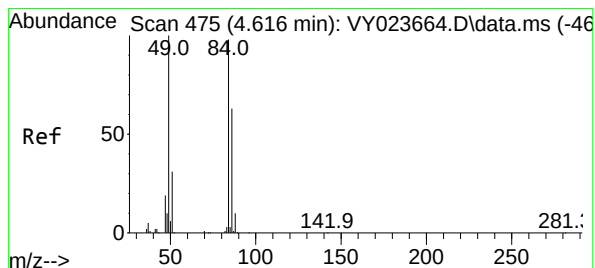
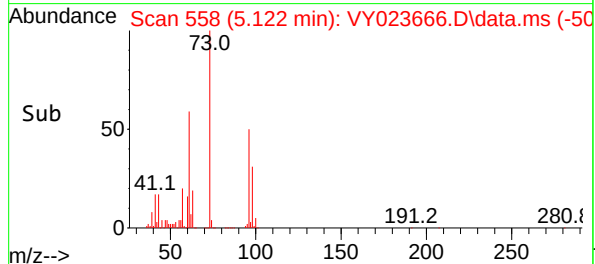
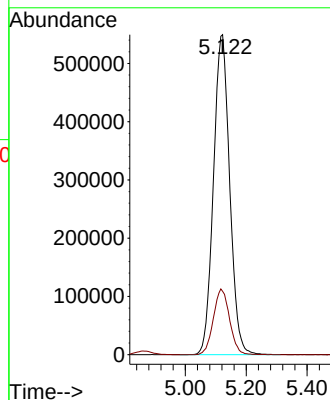
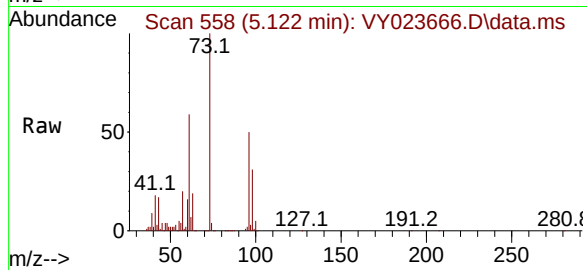
57 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 127.899 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Tgt Ion: 84 Resp: 813039

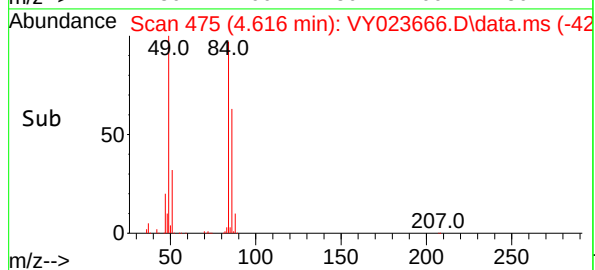
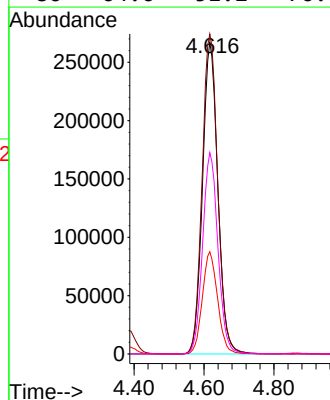
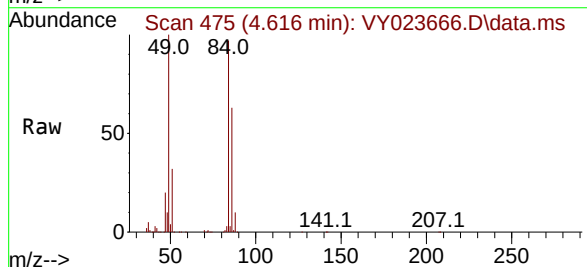
Ion Ratio Lower Upper

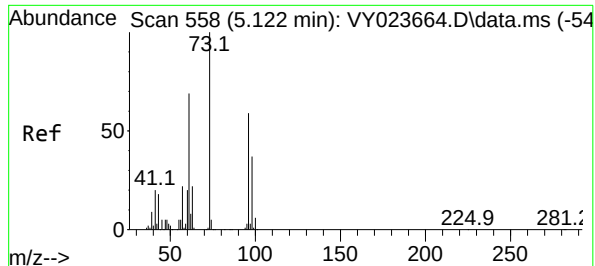
84 100

49 102.6 81.5 122.3

51 32.8 25.5 38.3

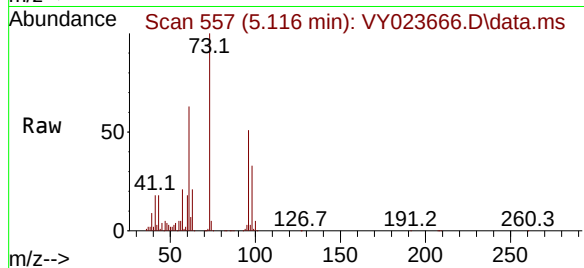
86 64.6 51.2 76.8





#21
trans-1,2-Dichloroethene
Concen: 142.587 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

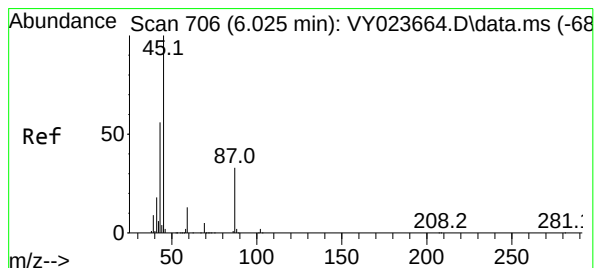
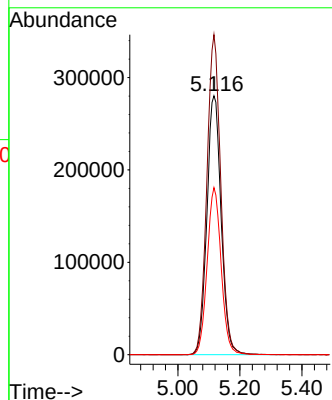
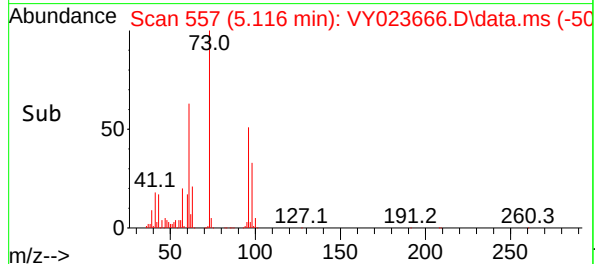
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



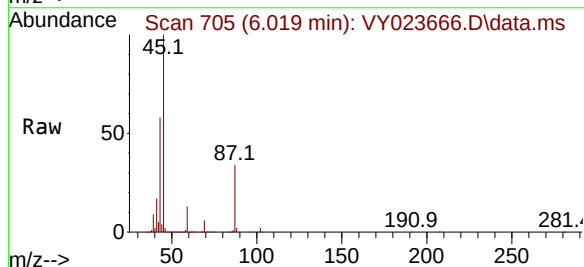
Tgt Ion: 96 Resp: 892080
Ion Ratio Lower Upper
96 100
61 123.6 93.3 139.9
98 64.5 50.6 75.8

Manual Integrations
APPROVED

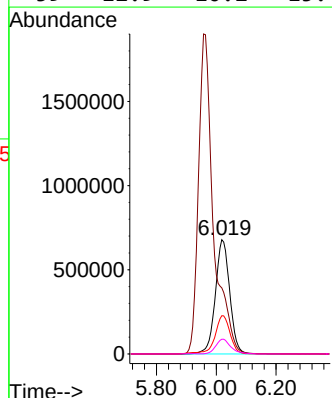
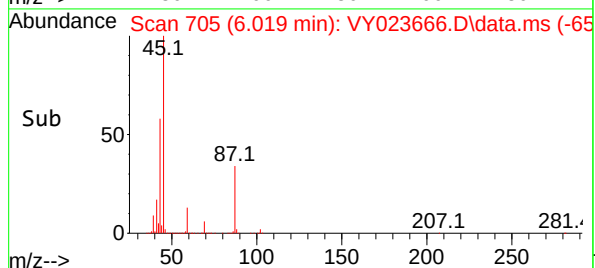
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

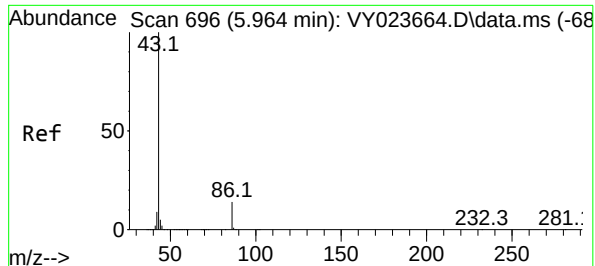


#22
Diisopropyl ether
Concen: 150.464 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27



Tgt Ion: 45 Resp: 2264384
Ion Ratio Lower Upper
45 100
43 57.9 44.7 67.1
87 33.5 27.2 40.8
59 12.9 10.2 15.4





#23

Vinyl Acetate

Concen: 818.950 ug/l

RT: 5.958 min Scan# 696

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 657696

Ion Ratio Lower Upper

43 100

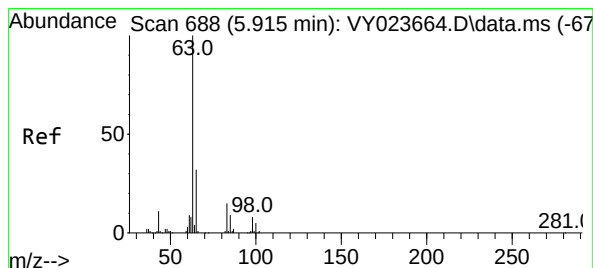
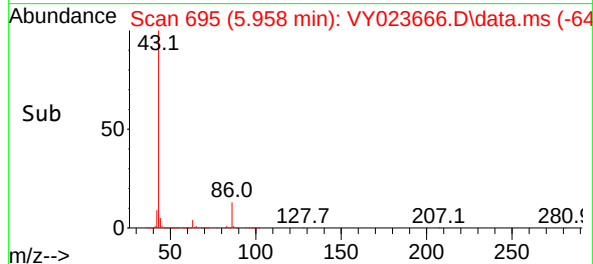
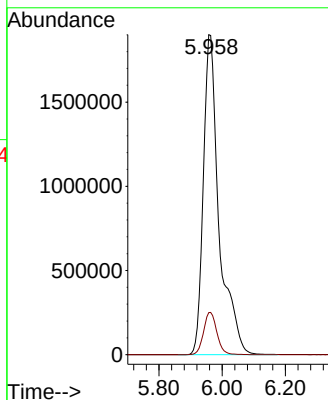
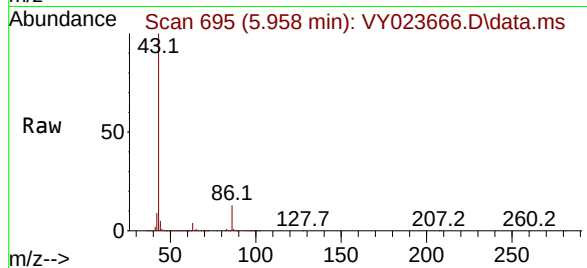
86 13.2 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 141.217 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

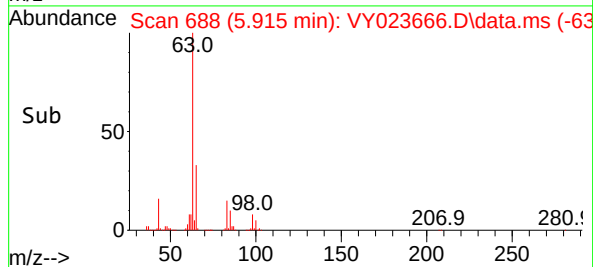
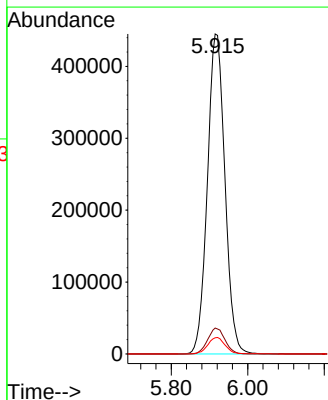
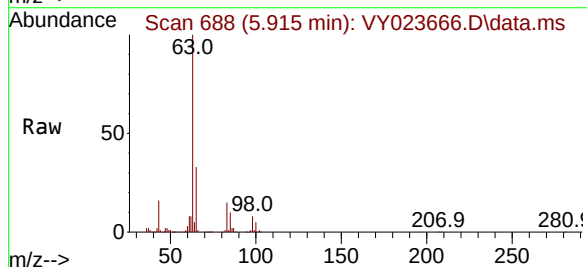
Tgt Ion: 63 Resp: 1415798

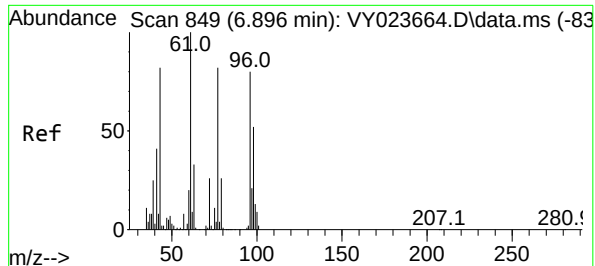
Ion Ratio Lower Upper

63 100

98 8.1 4.0 11.9

100 5.0 2.6 7.8





#25

2-Butanone

Concen: 775.579 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 118080

Ion Ratio Lower Upper

43 100

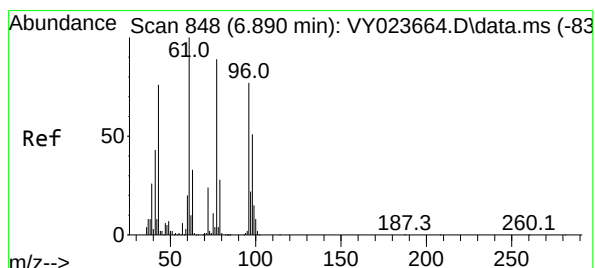
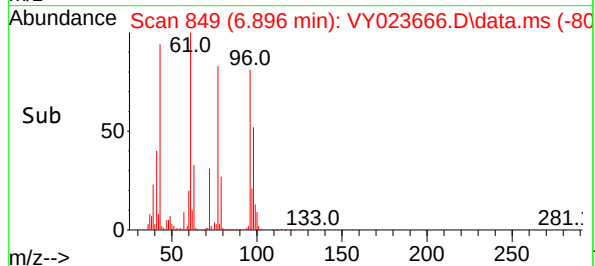
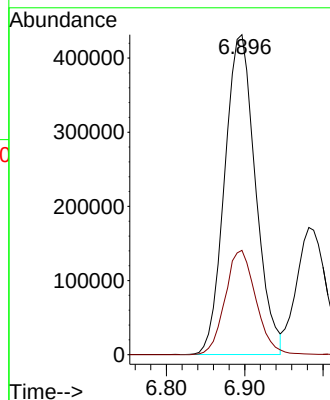
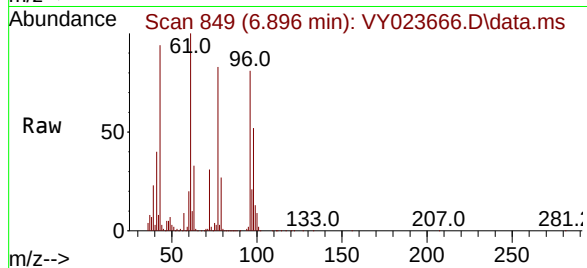
72 32.6 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 143.128 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023666.D

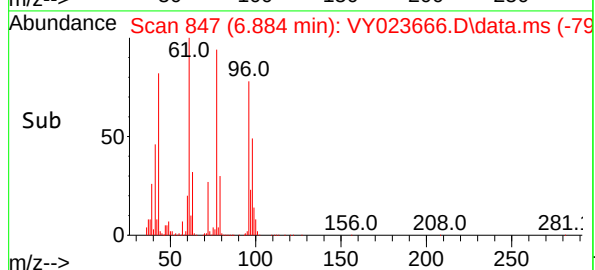
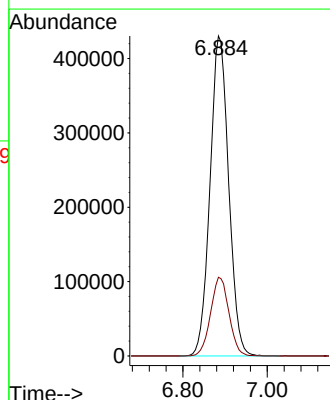
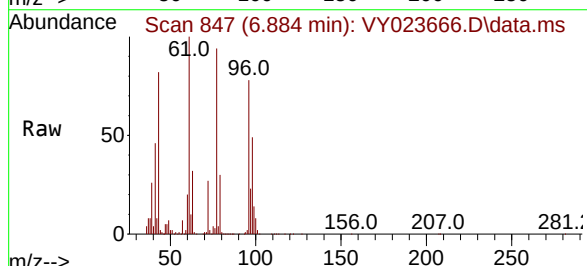
Acq: 04 Nov 2025 11:27

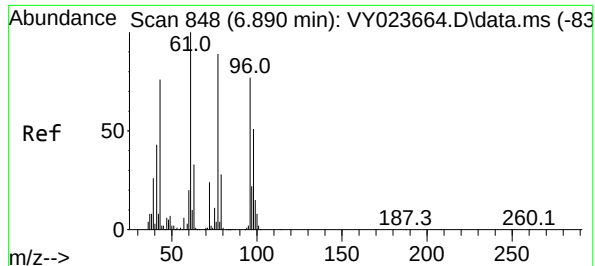
Tgt Ion: 77 Resp: 1319960

Ion Ratio Lower Upper

77 100

97 24.3 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 147.141 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1051370

Ion Ratio Lower Upper

96 100

61 128.3 0.0 255.0

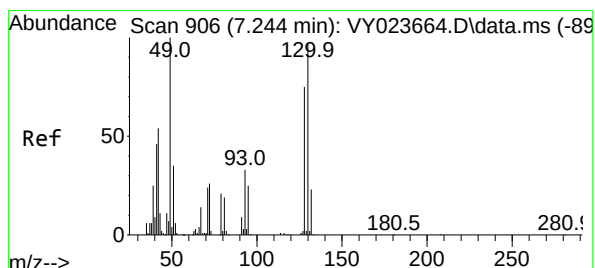
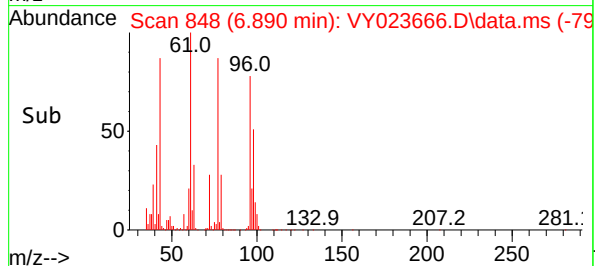
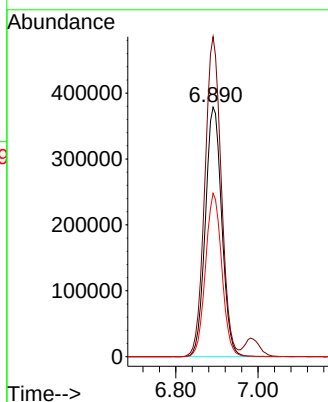
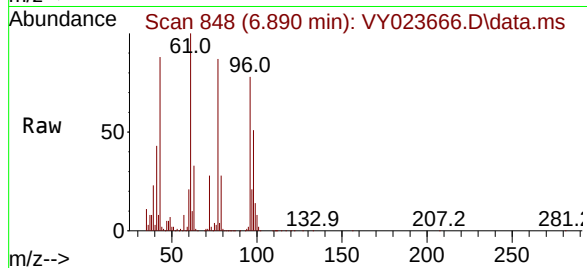
98 64.8 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 135.216 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

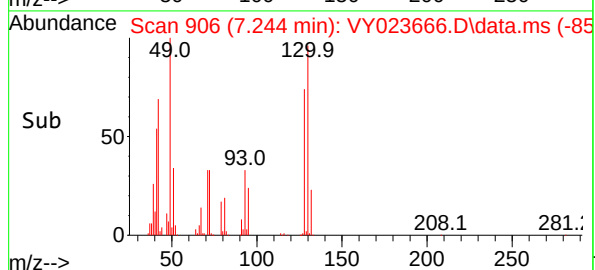
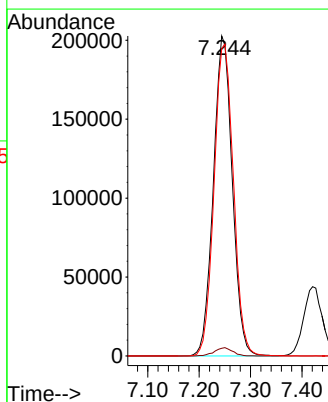
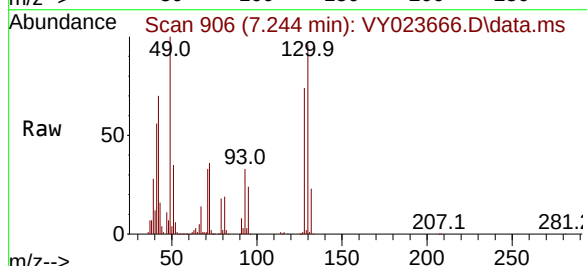
Tgt Ion: 49 Resp: 519064

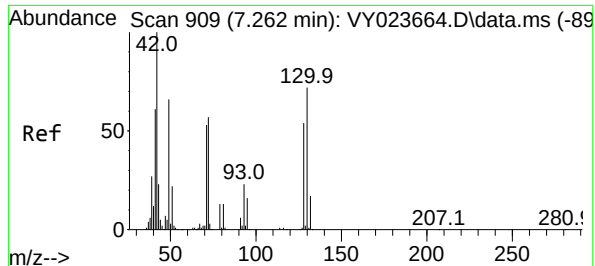
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 99.6 80.1 120.1





#29

Tetrahydrofuran

Concen: 808.815 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 655809

Ion Ratio Lower Upper

42 100

72 53.9 43.4 65.2

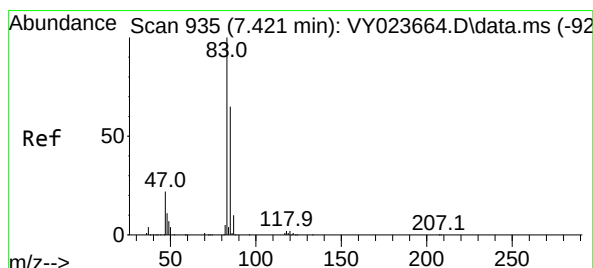
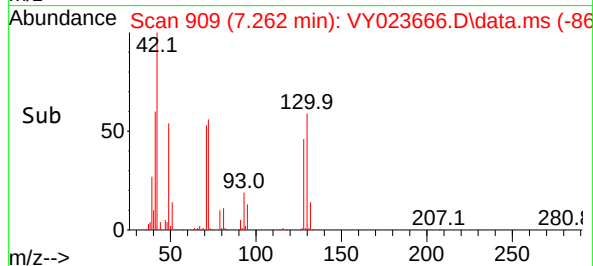
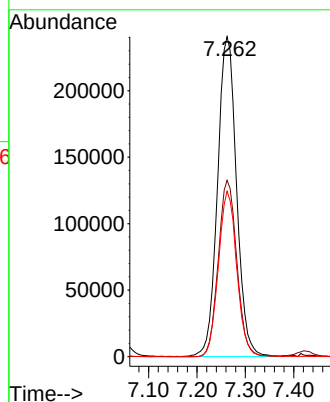
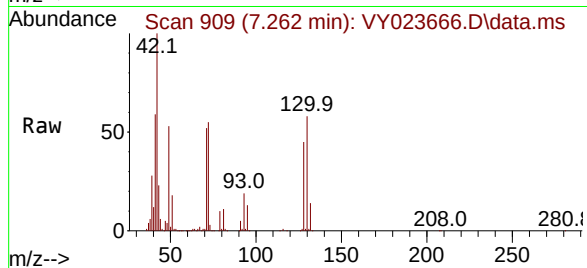
71 50.1 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 138.663 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023666.D

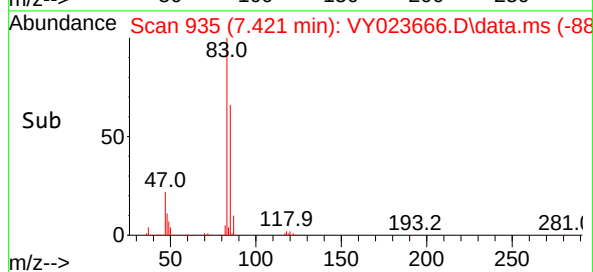
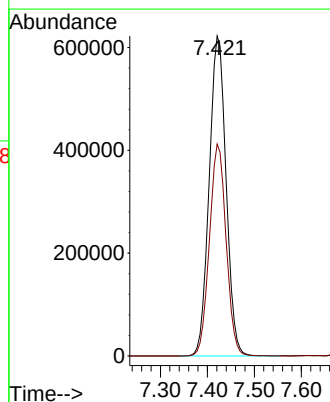
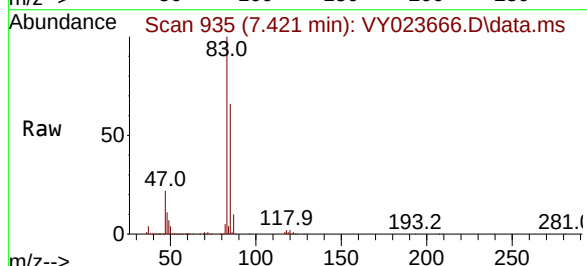
Acq: 04 Nov 2025 11:27

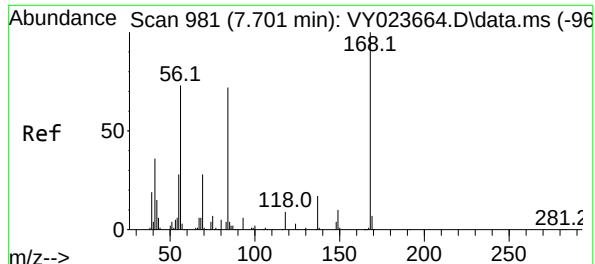
Tgt Ion: 83 Resp: 1551090

Ion Ratio Lower Upper

83 100

85 66.3 52.1 78.1





#31

Cyclohexane

Concen: 140.926 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 123043

Ion Ratio Lower Upper

56 100

69 34.8 30.5 45.7

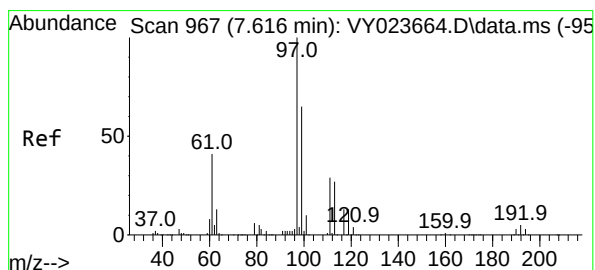
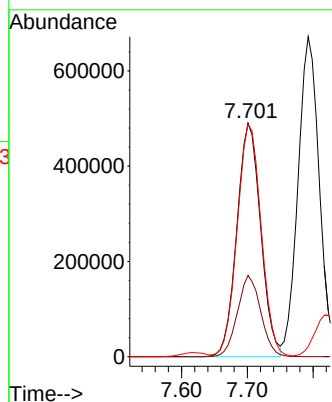
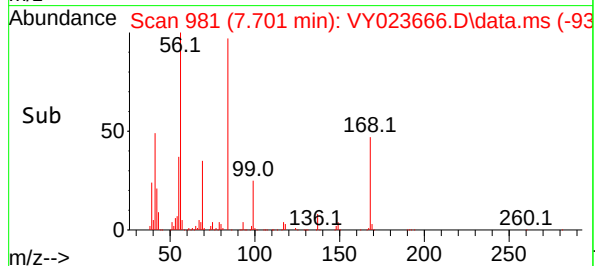
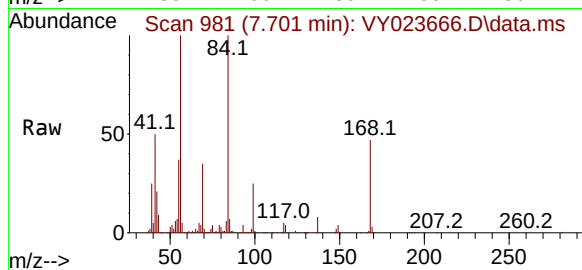
84 98.7 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 140.327 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

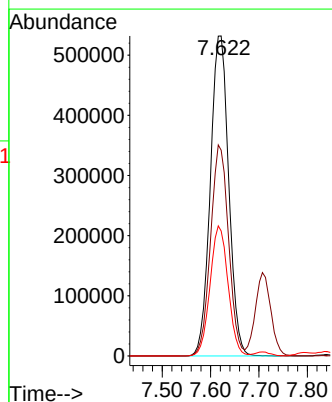
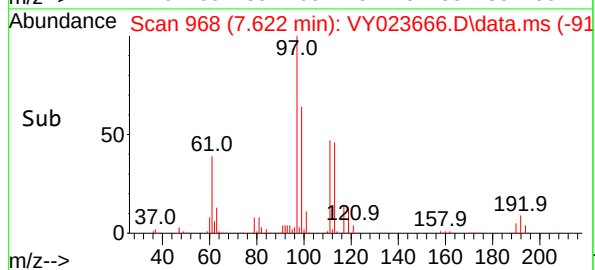
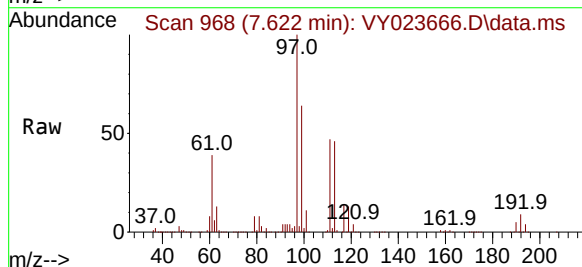
Tgt Ion: 97 Resp: 1402944

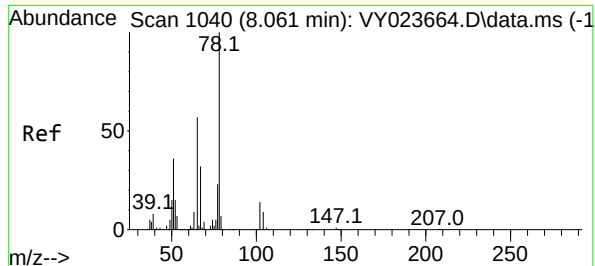
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 39.9 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 143.025 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 757684

Ion Ratio Lower Upper

65 100

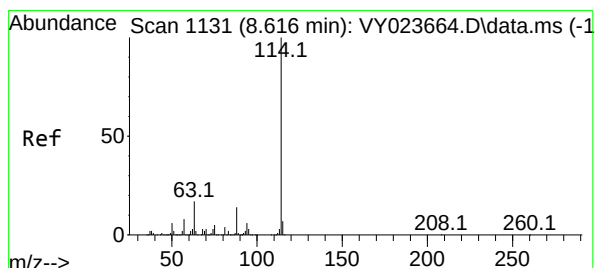
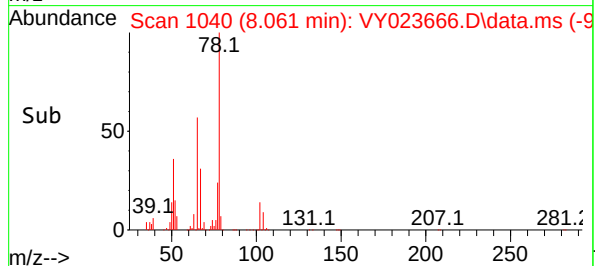
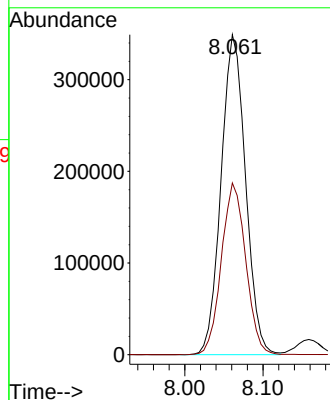
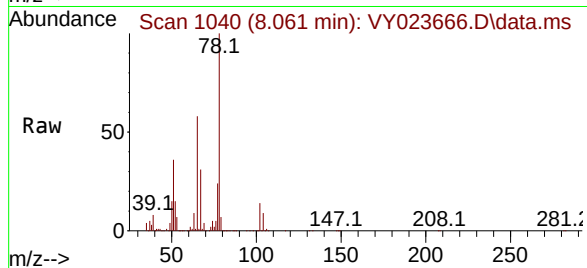
67 53.5 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

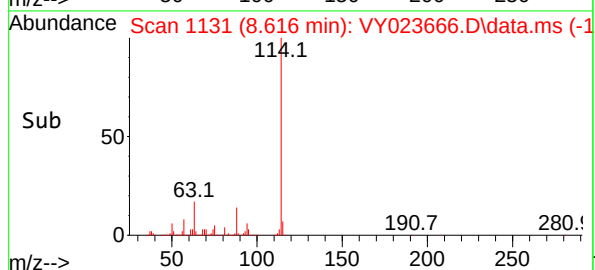
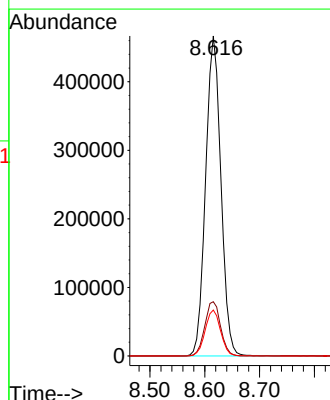
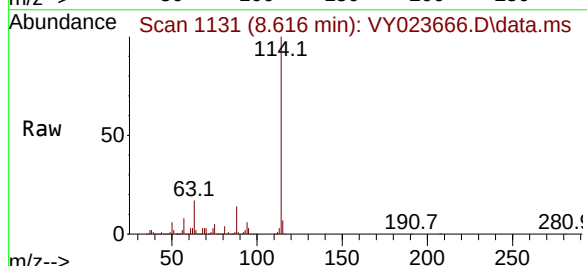
Tgt Ion:114 Resp: 901916

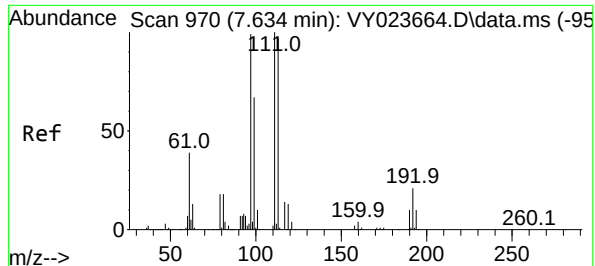
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.8

88 14.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 147.706 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:113 Resp: 83252

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

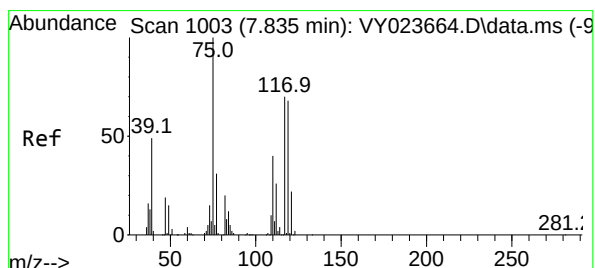
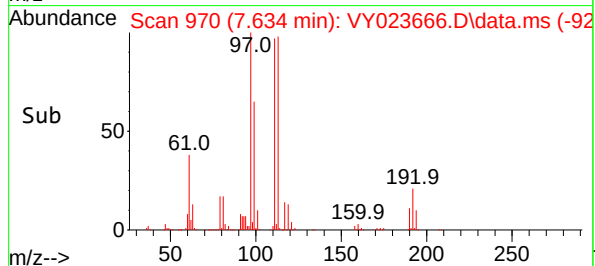
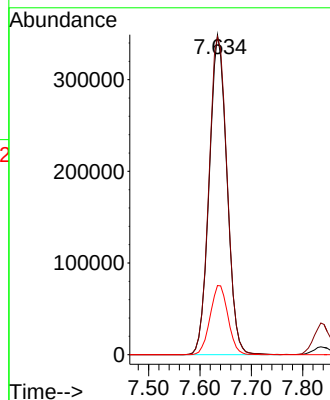
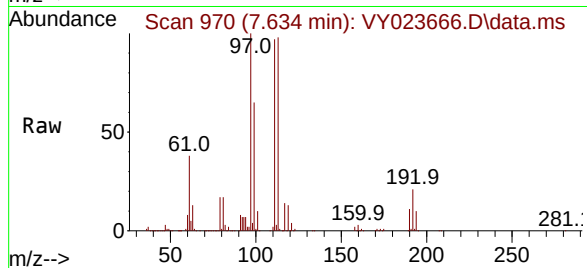
192 21.8 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 145.645 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

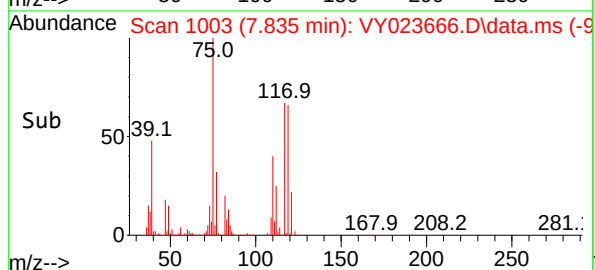
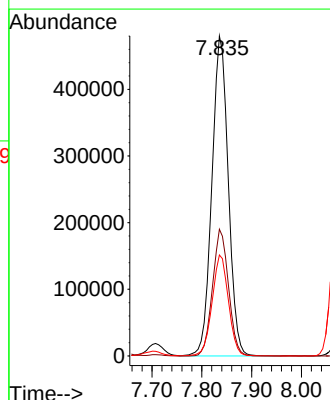
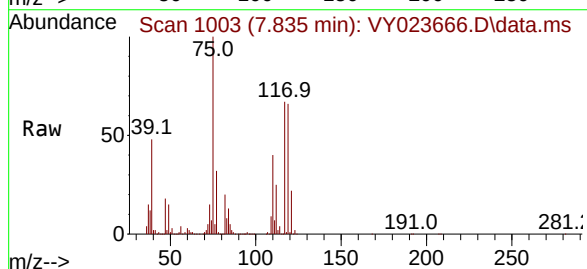
Tgt Ion: 75 Resp: 1096950

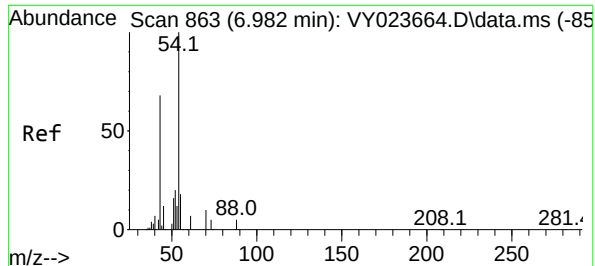
Ion Ratio Lower Upper

75 100

110 38.6 19.7 59.0

77 31.4 25.2 37.8





#37

Ethyl Acetate

Concen: 159.651 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 465489

Ion Ratio Lower Upper

43 100

61 15.0 12.4 18.6

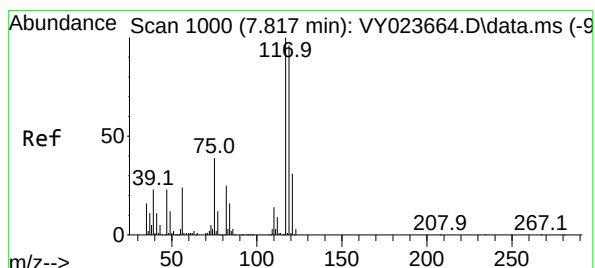
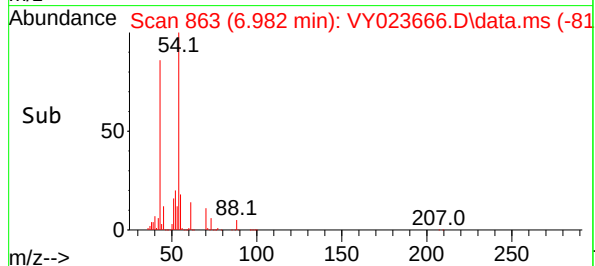
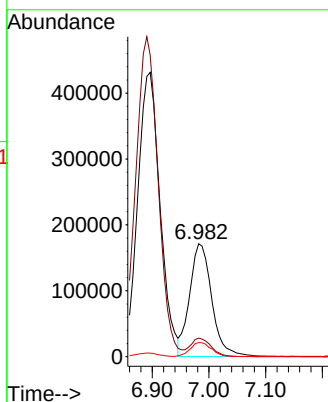
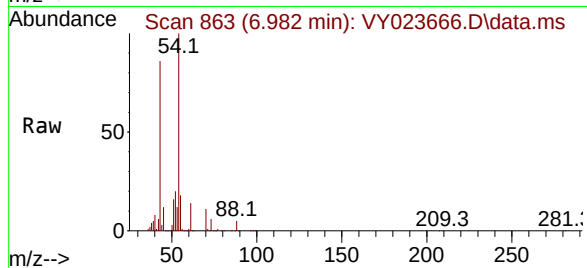
70 12.3 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 144.193 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

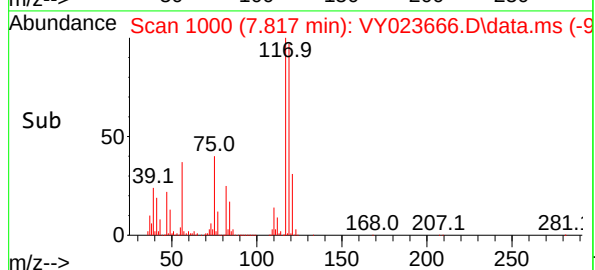
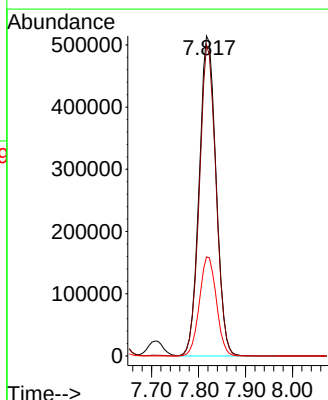
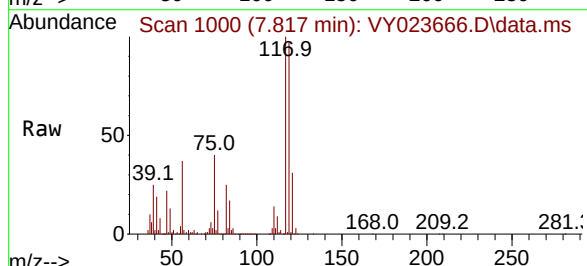
Tgt Ion:117 Resp: 1279569

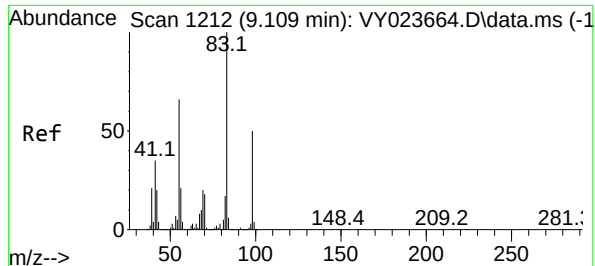
Ion Ratio Lower Upper

117 100

119 97.2 76.3 114.5

121 31.0 24.8 37.2





#39

Methylcyclohexane

Concen: 158.237 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 1522789

Ion Ratio Lower Upper

83 100

55 65.3 52.6 78.8

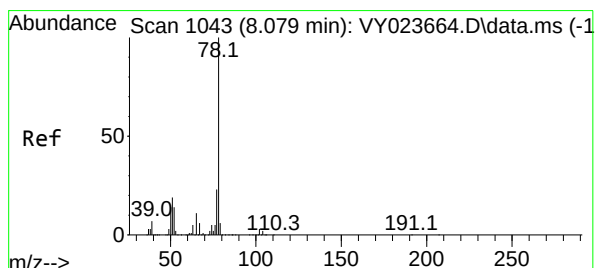
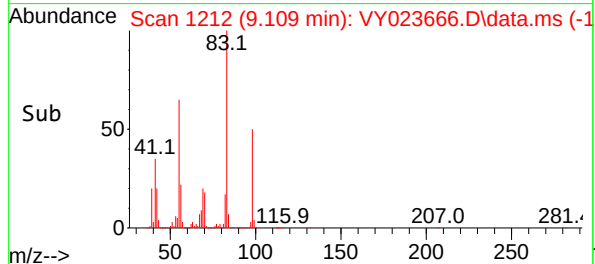
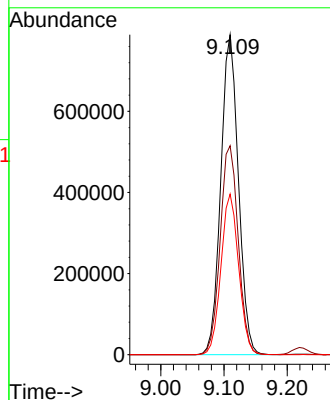
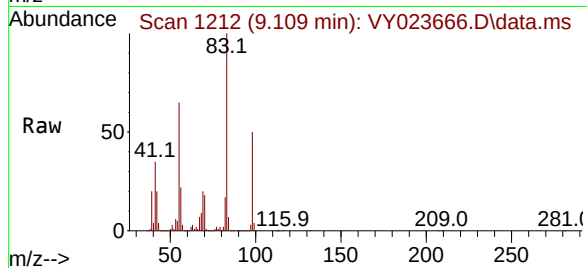
98 50.2 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 144.208 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023666.D

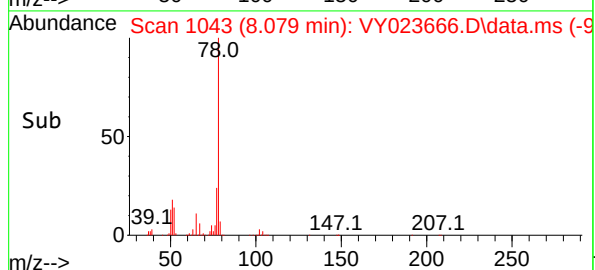
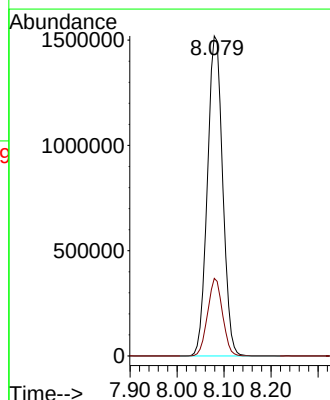
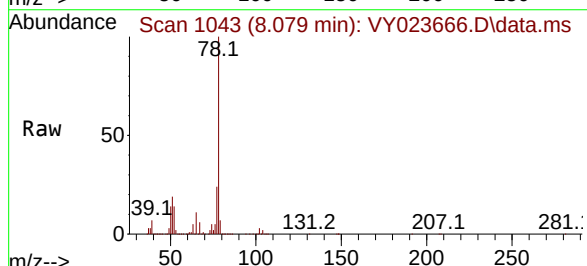
Acq: 04 Nov 2025 11:27

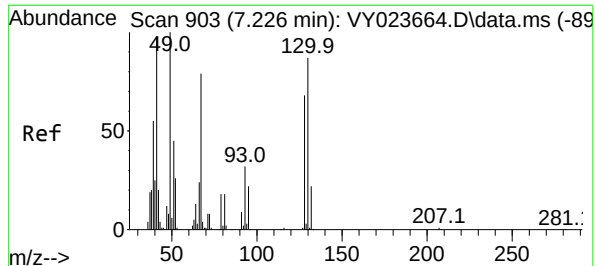
Tgt Ion: 78 Resp: 3423551

Ion Ratio Lower Upper

78 100

77 24.2 18.8 28.2





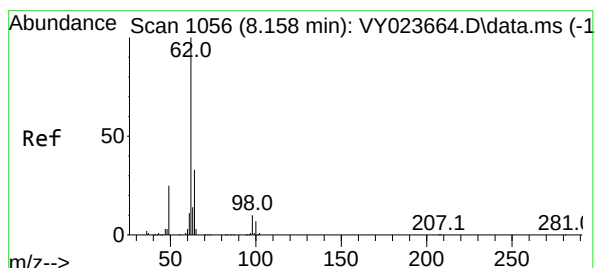
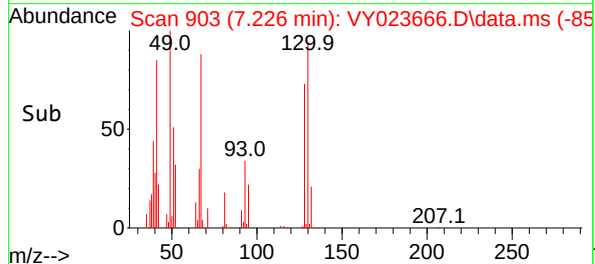
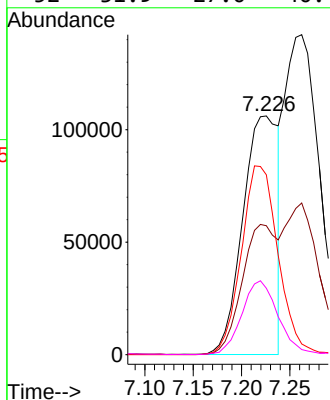
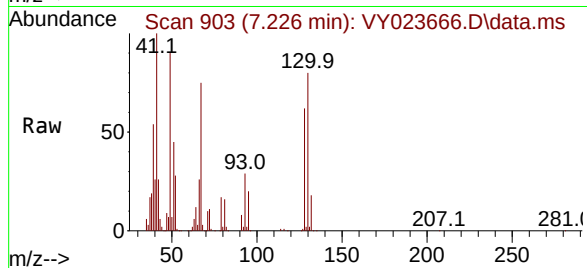
#41
Methacrylonitrile
Concen: 173.645 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 27005
Ion Ratio Lower Upper
41 100
39 53.9 38.6 57.8
67 82.8 71.3 106.9
52 31.9 27.0 40.4

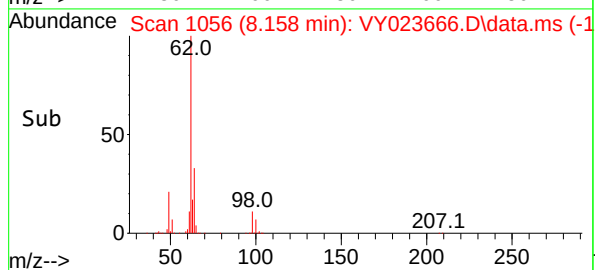
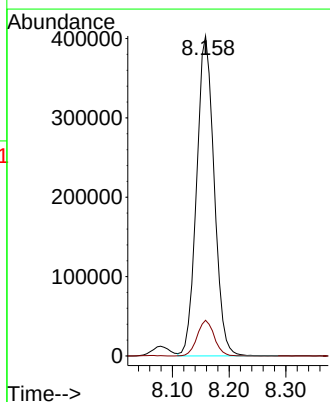
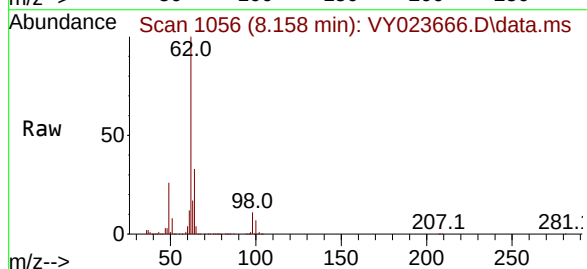
Manual Integrations
APPROVED

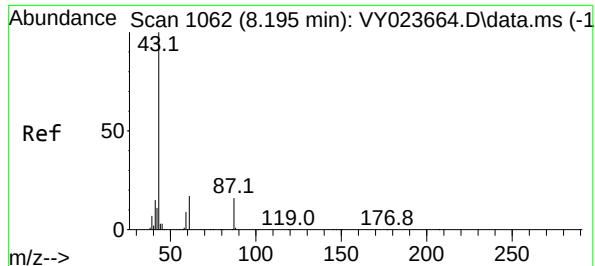
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#42
1,2-Dichloroethane
Concen: 144.018 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 62 Resp: 864999
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.0





#43

Isopropyl Acetate

Concen: 167.105 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 91544

Ion Ratio Lower Upper

43 100

61 22.9 18.2 27.2

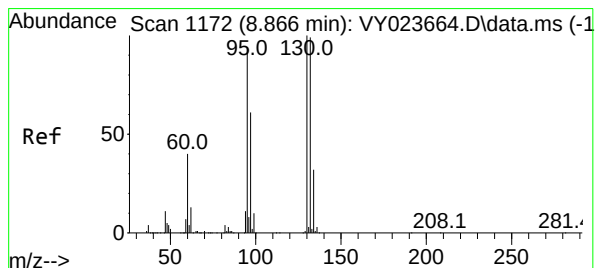
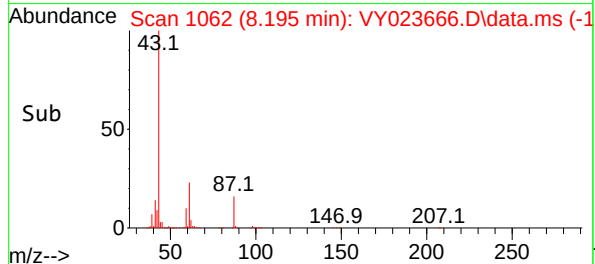
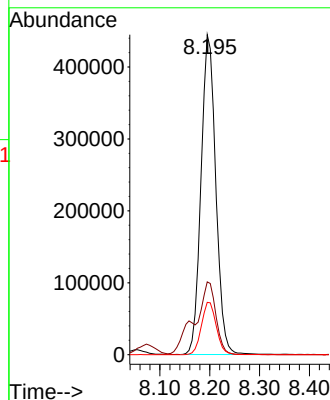
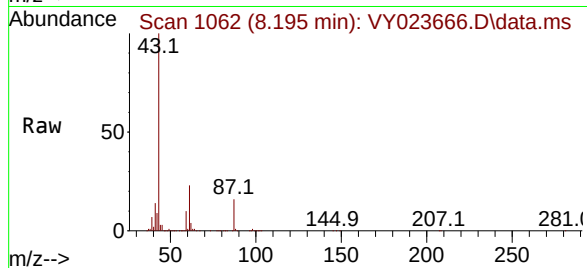
87 16.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 142.056 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023666.D

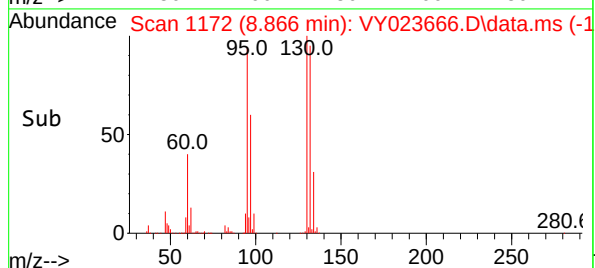
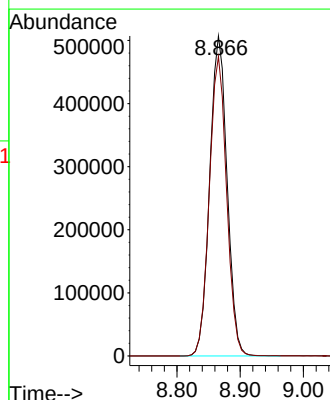
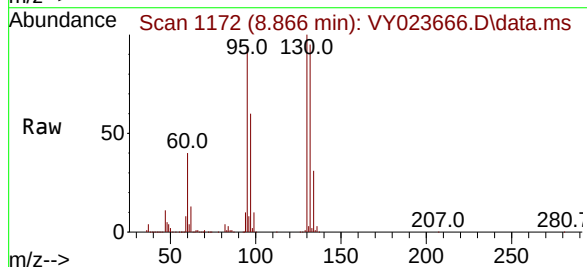
Acq: 04 Nov 2025 11:27

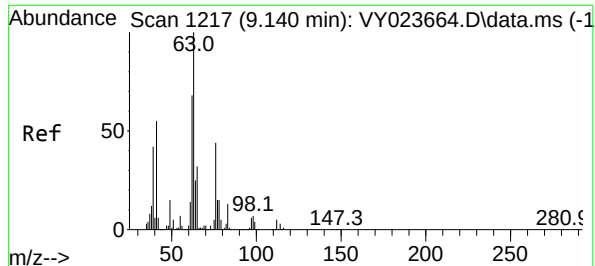
Tgt Ion:130 Resp: 968647

Ion Ratio Lower Upper

130 100

95 93.5 0.0 187.0





#45

1,2-Dichloropropane

Concen: 146.035 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 76515

Ion Ratio Lower Upper

63 100

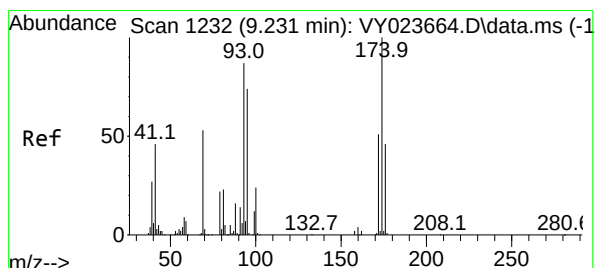
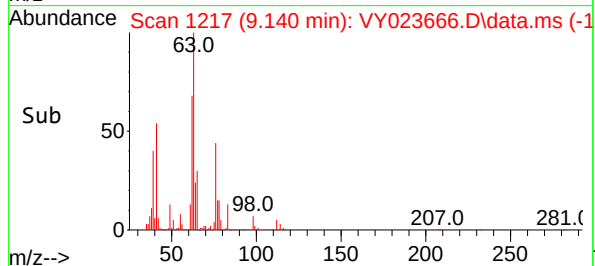
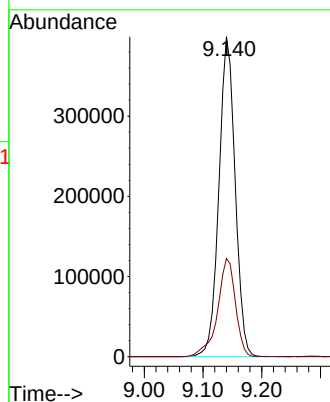
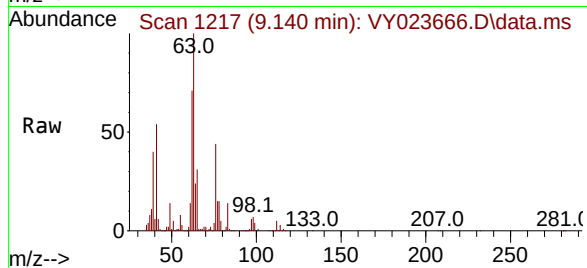
65 30.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 147.004 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

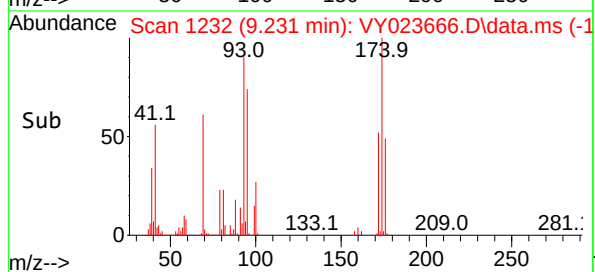
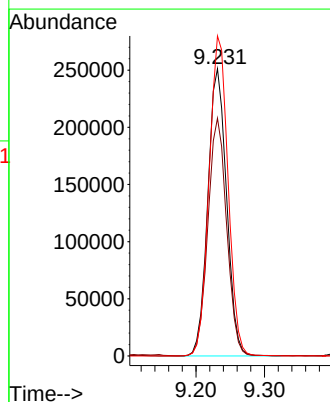
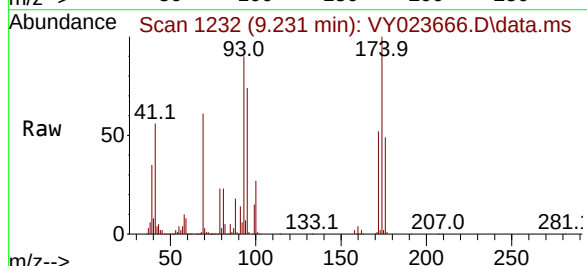
Tgt Ion: 93 Resp: 477241

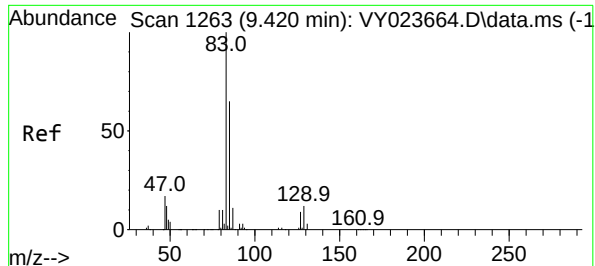
Ion Ratio Lower Upper

93 100

95 82.9 67.4 101.2

174 112.8 89.4 134.0





#47

Bromodichloromethane

Concen: 145.820 ug/l

RT: 9.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 1193540

Ion Ratio Lower Upper

83 100

85 64.8 52.1 78.1

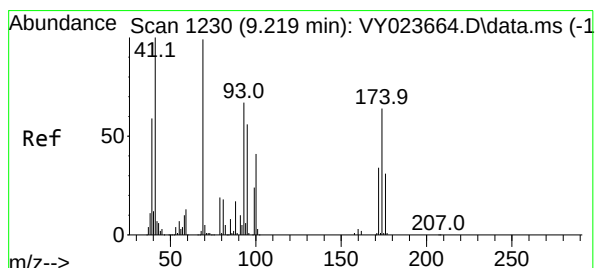
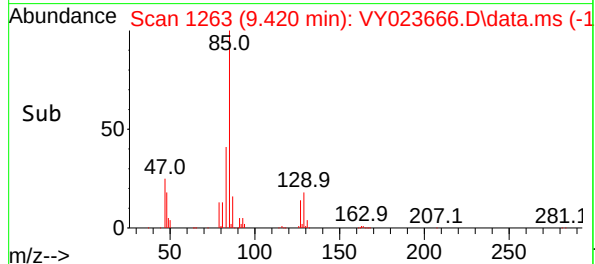
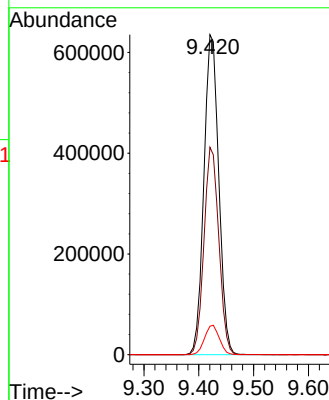
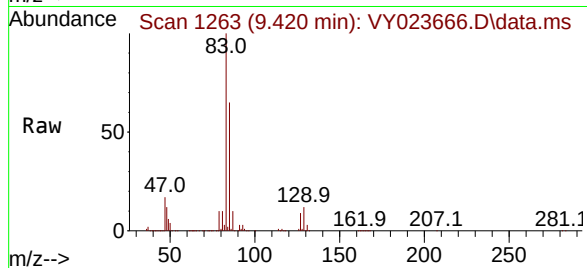
127 8.9 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 176.551 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

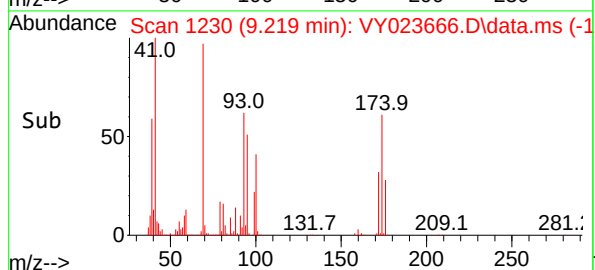
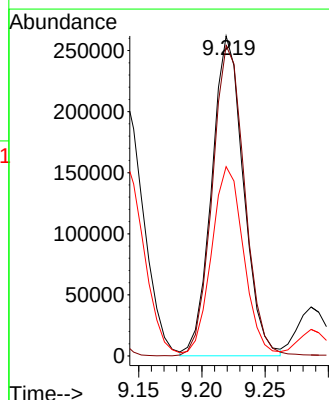
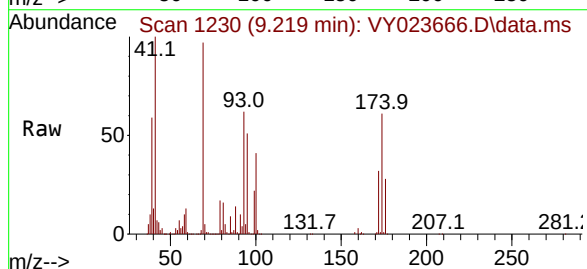
Tgt Ion: 41 Resp: 456960

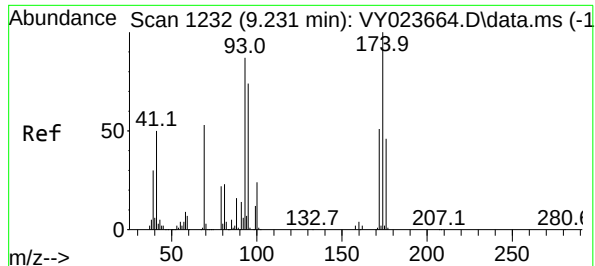
Ion Ratio Lower Upper

41 100

69 98.8 80.2 120.2

39 58.1 47.4 71.0





#49

1,4-Dioxane

Concen: 3311.077 ug/l

RT: 9.225 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 110000

Ion Ratio Lower Upper

88 100

43 29.1 22.0 33.0

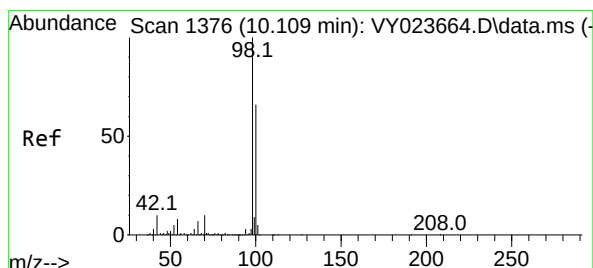
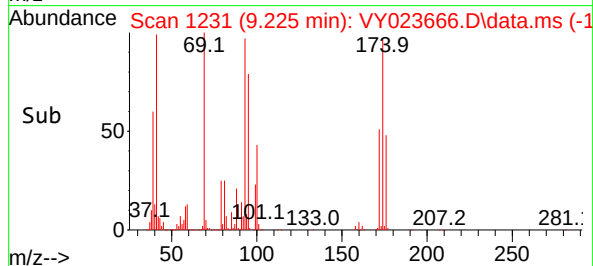
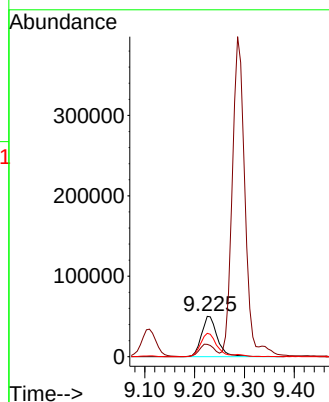
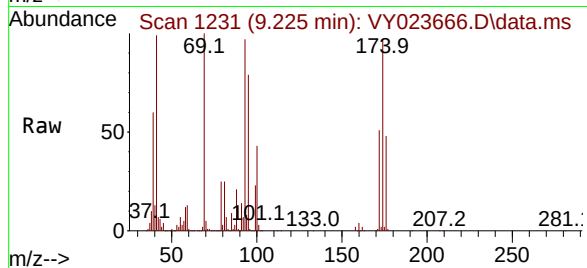
58 58.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 149.364 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023666.D

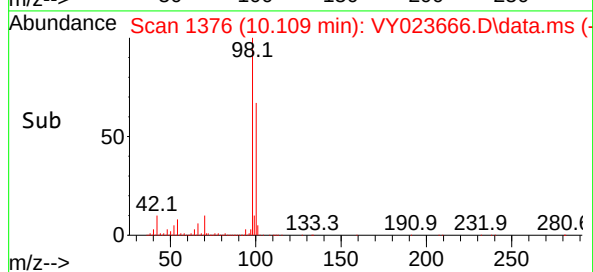
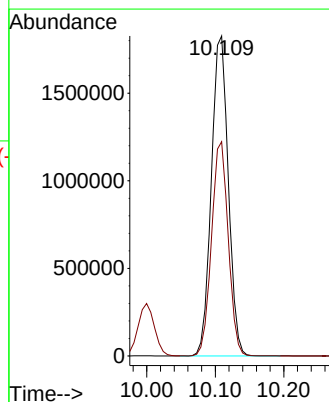
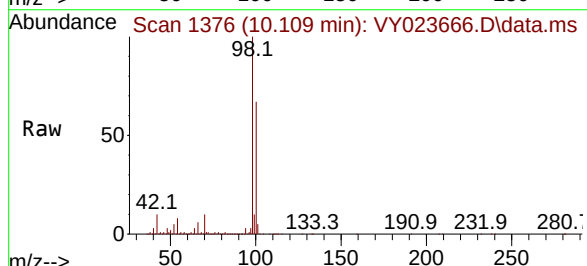
Acq: 04 Nov 2025 11:27

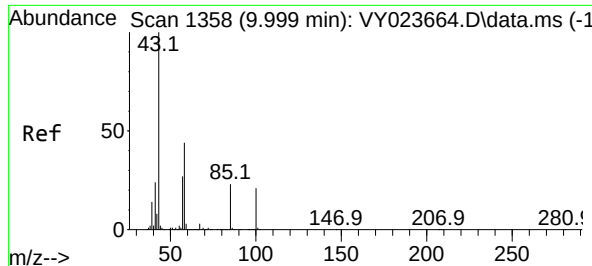
Tgt Ion: 98 Resp: 3136015

Ion Ratio Lower Upper

98 100

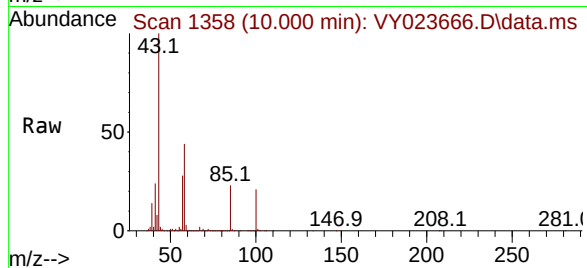
100 66.2 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 836.491 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

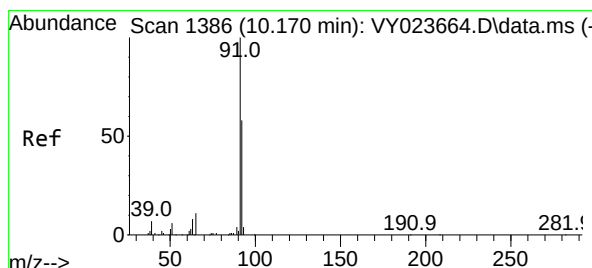
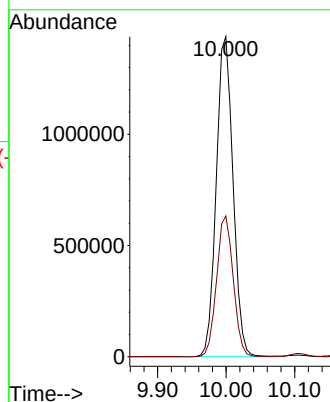
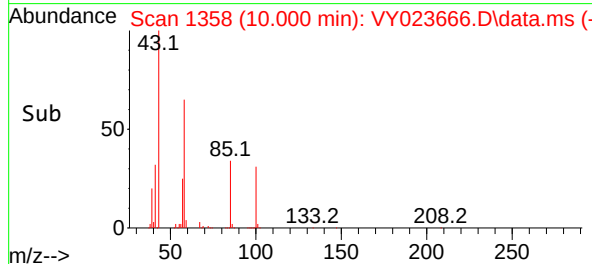
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 2437010
Ion Ratio Lower Upper
43 100
58 43.8 34.8 52.2

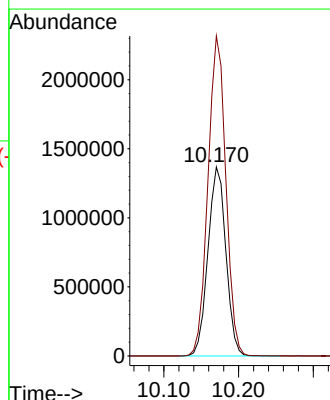
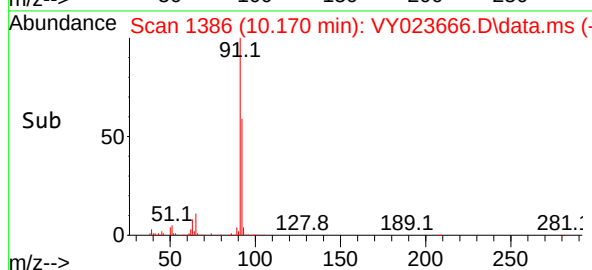
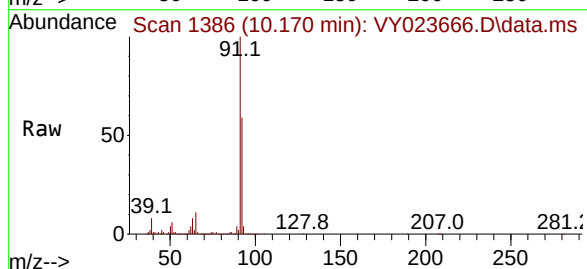
Manual Integrations
APPROVED

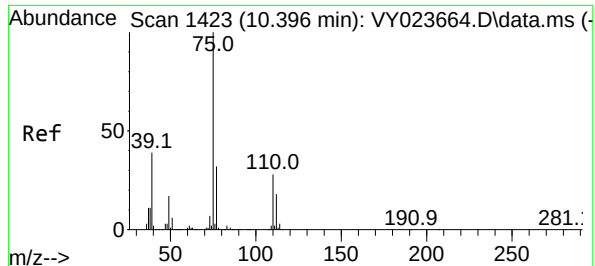
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#52
Toluene
Concen: 150.304 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 92 Resp: 2278105
Ion Ratio Lower Upper
92 100
91 168.7 137.8 206.8





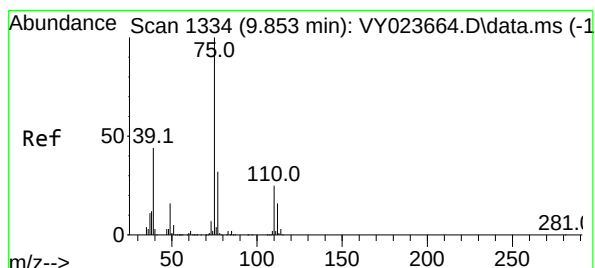
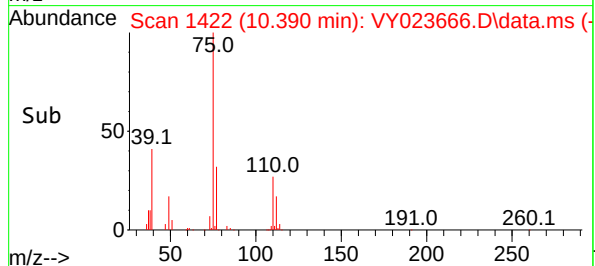
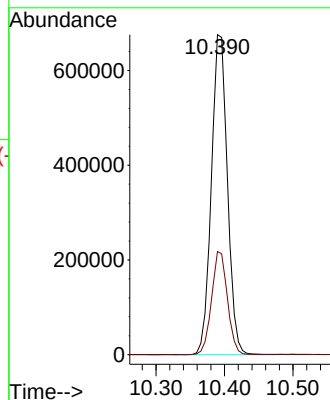
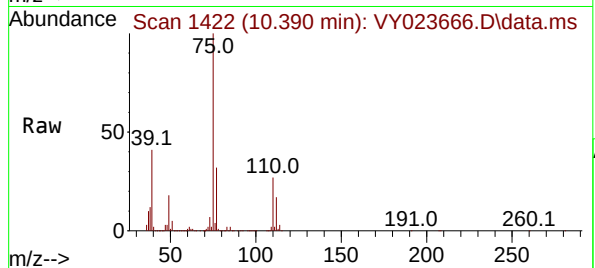
#53
t-1,3-Dichloropropene
Concen: 158.988 ug/l
RT: 10.390 min Scan# 1422
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 1101094
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4

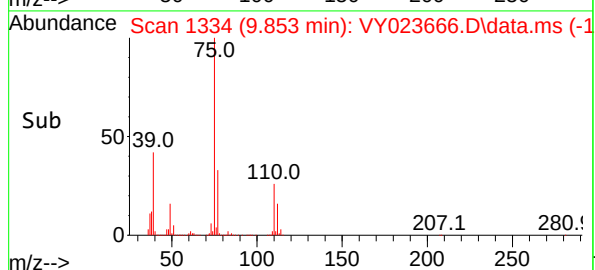
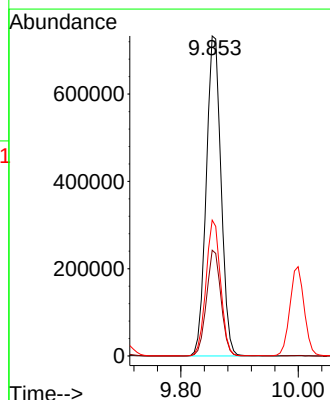
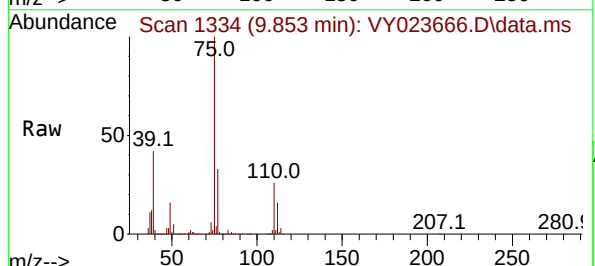
Manual Integrations
APPROVED

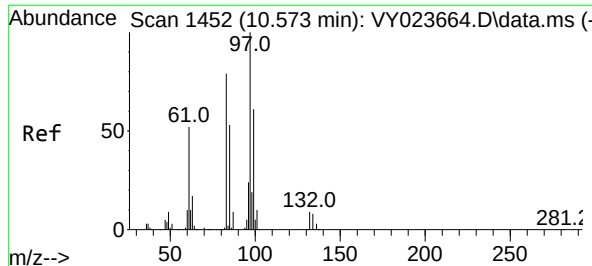
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 154.422 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 75 Resp: 1281333
Ion Ratio Lower Upper
75 100
77 33.1 25.7 38.5
39 42.4 34.9 52.3





#55

1,1,2-Trichloroethane

Concen: 146.967 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 63761

Ion Ratio Lower Upper

97 100

83 81.9 63.3 94.9

85 53.5 42.4 63.6

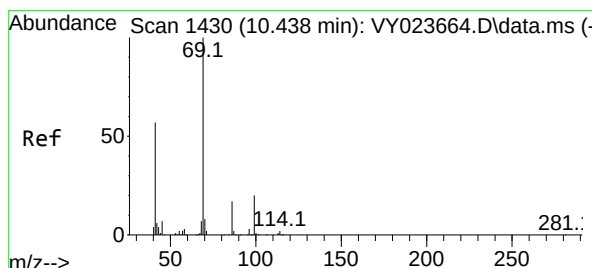
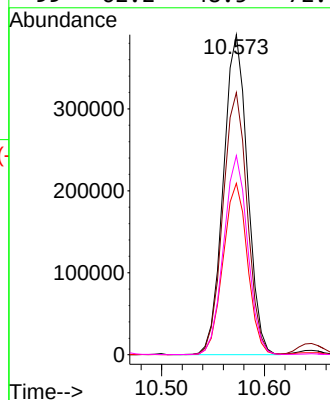
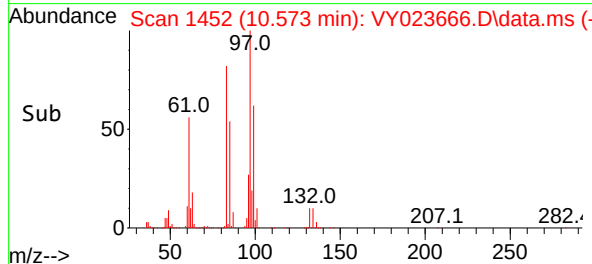
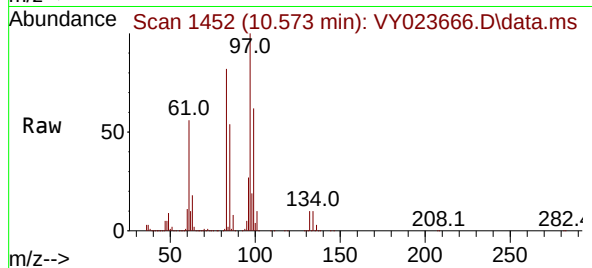
99 62.2 48.5 72.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#56

Ethyl methacrylate

Concen: 182.696 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

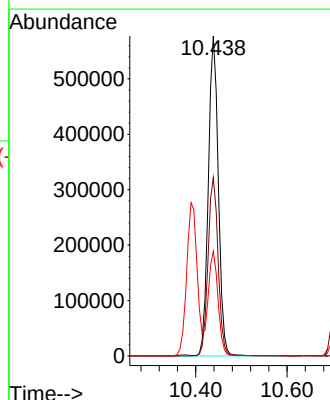
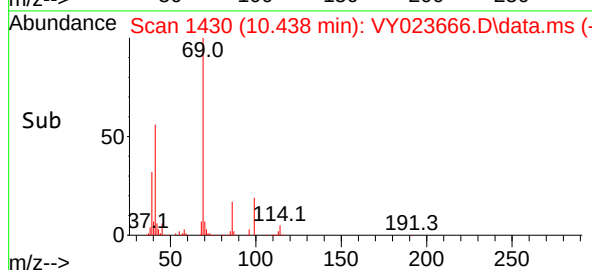
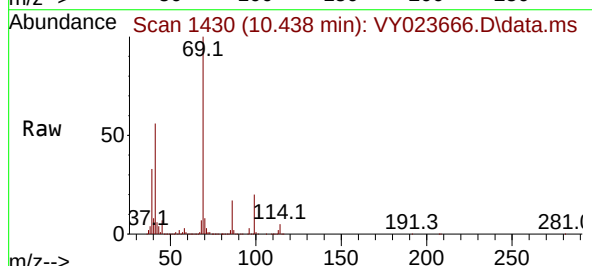
Tgt Ion: 69 Resp: 873314

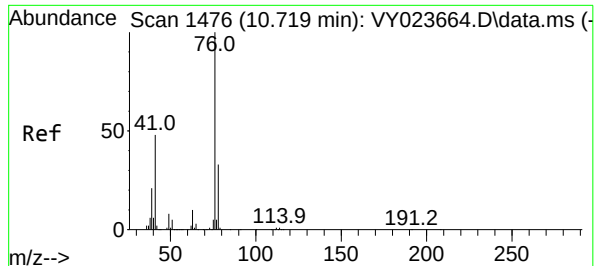
Ion Ratio Lower Upper

69 100

41 56.0 45.0 67.4

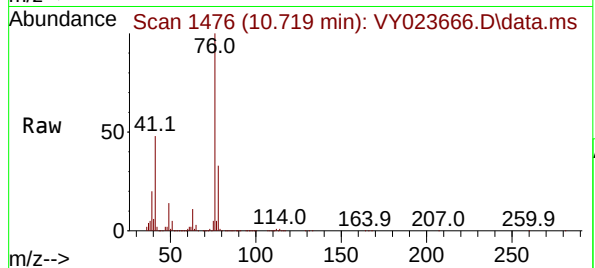
39 32.6 25.1 37.7





#57
1,3-Dichloropropane
Concen: 147.983 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

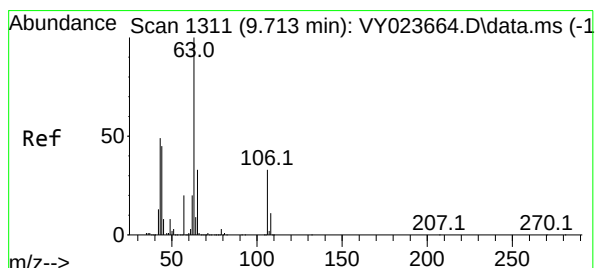
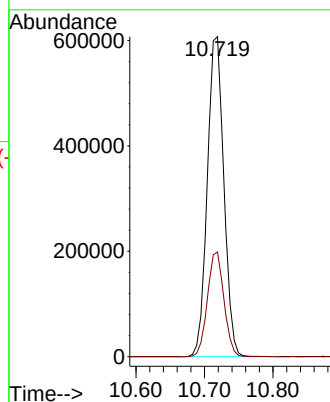
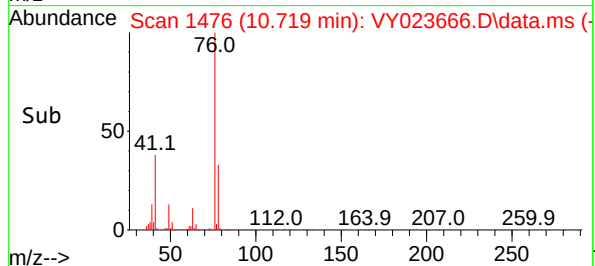
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 76 Resp: 1018360
Ion Ratio Lower Upper
76 100
78 32.8 26.0 39.0

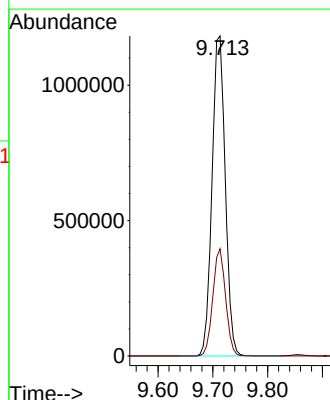
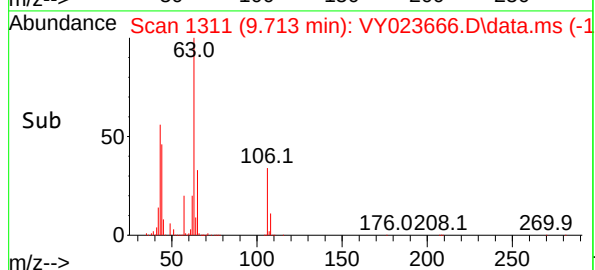
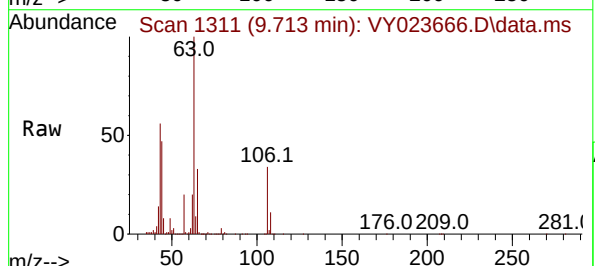
Manual Integrations
APPROVED

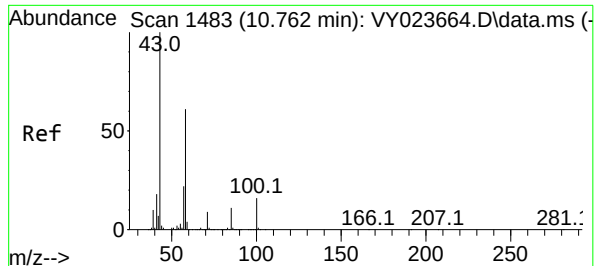
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 899.933 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

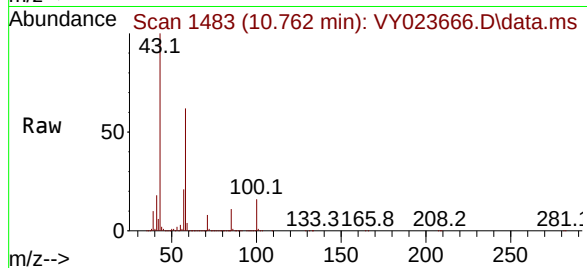
Tgt Ion: 63 Resp: 1973993
Ion Ratio Lower Upper
63 100
106 32.4 26.2 39.2





#59
2-Hexanone
Concen: 847.892 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

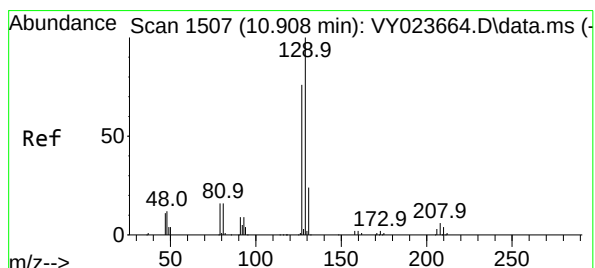
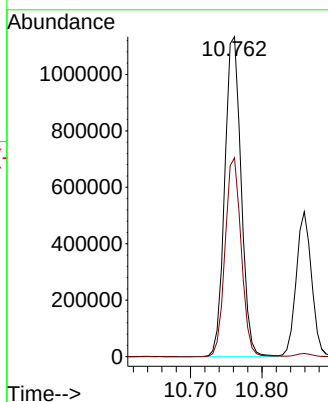
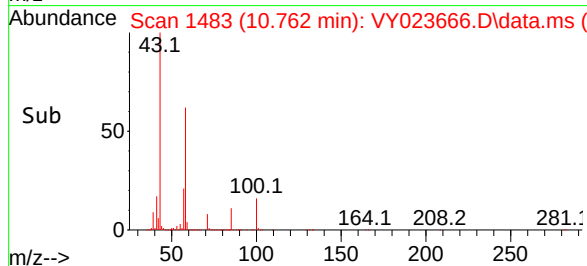
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 180220
Ion Ratio Lower Upper
43 100
58 61.2 30.2 90.6

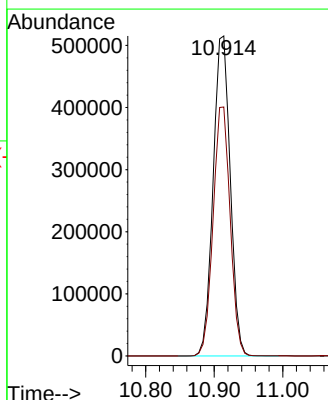
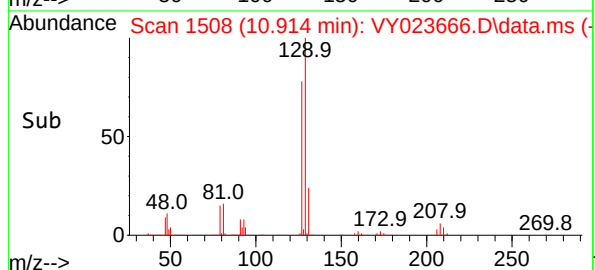
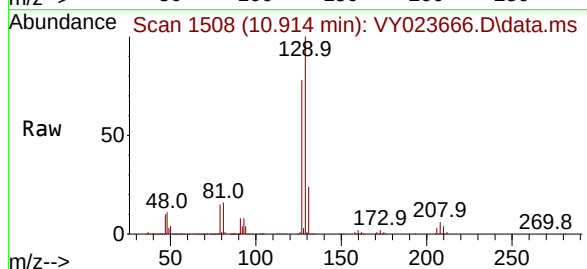
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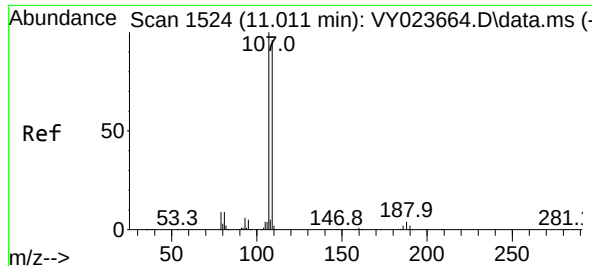
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#60
Dibromochloromethane
Concen: 149.265 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion:129 Resp: 889783
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2





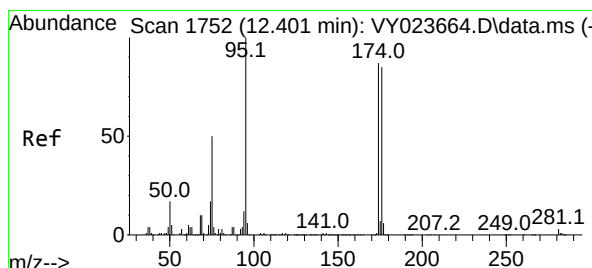
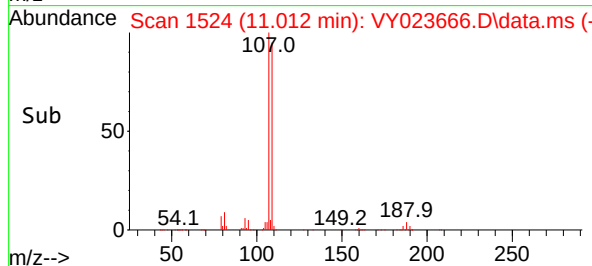
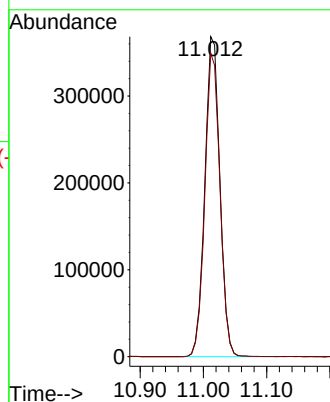
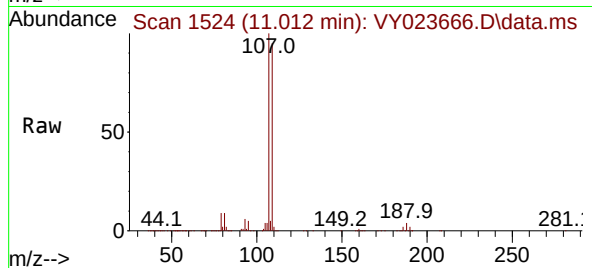
#61
1,2-Dibromoethane
Concen: 150.335 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 61210
Ion Ratio Lower Upper
107 100
109 94.9 76.2 114.4

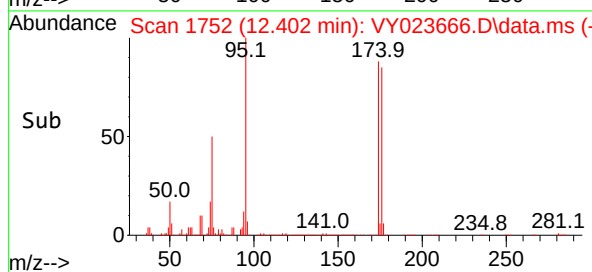
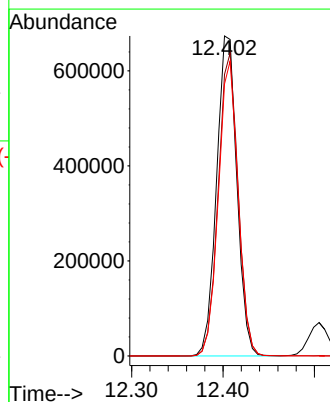
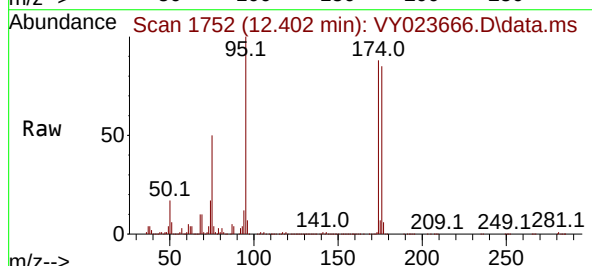
Manual Integrations
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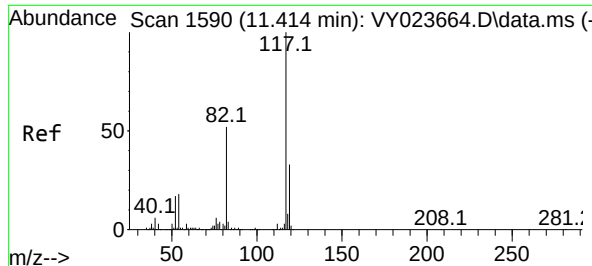
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 153.250 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 95 Resp: 1040552
Ion Ratio Lower Upper
95 100
174 92.6 0.0 184.8
176 89.8 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:117 Resp: 79098

Ion Ratio Lower Upper

117 100

82 51.2 41.2 61.8

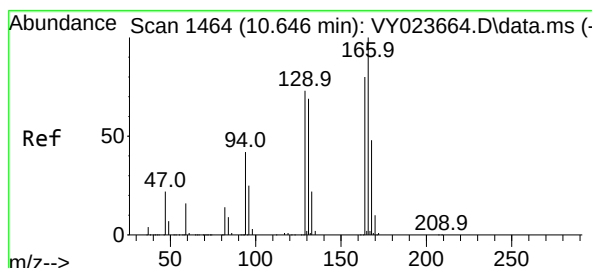
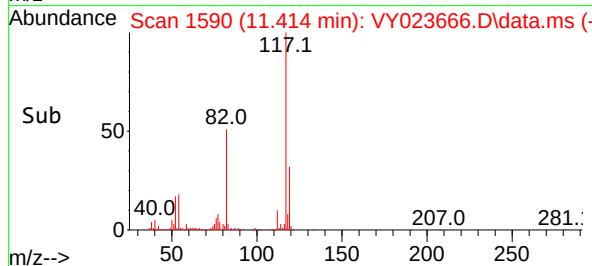
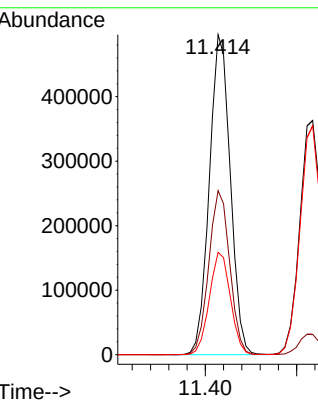
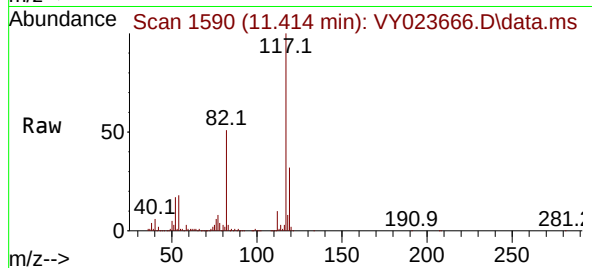
119 32.0 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#64

Tetrachloroethene

Concen: 133.211 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Tgt Ion:164 Resp: 1096726

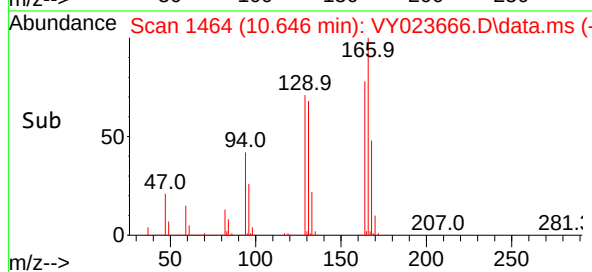
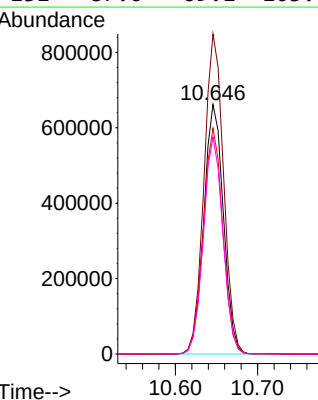
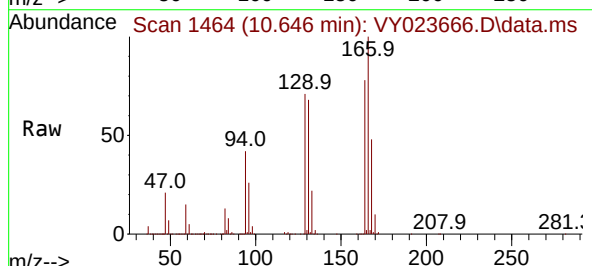
Ion Ratio Lower Upper

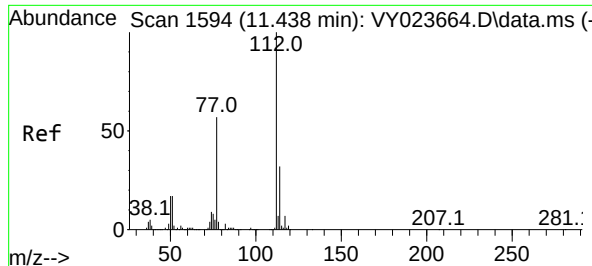
164 100

166 128.3 99.5 149.3

129 90.5 72.3 108.5

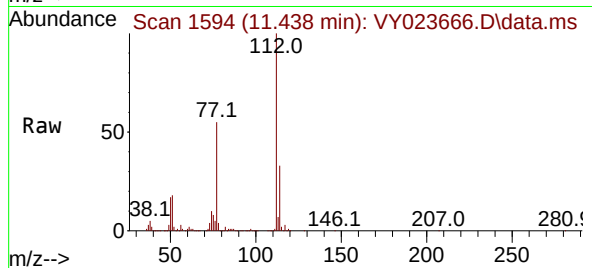
131 87.0 69.1 103.7





#65
Chlorobenzene
Concen: 145.689 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

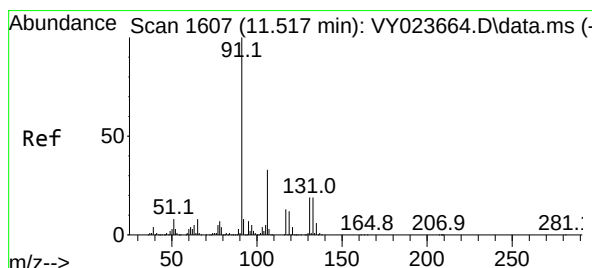
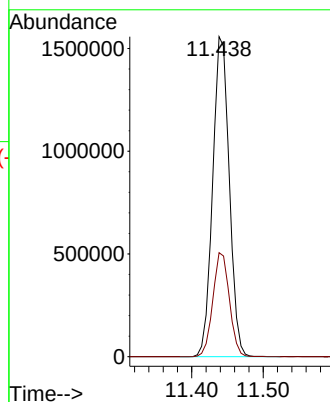
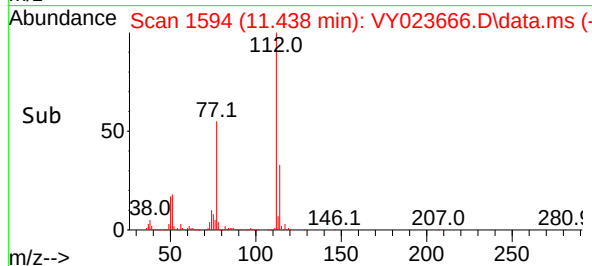
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



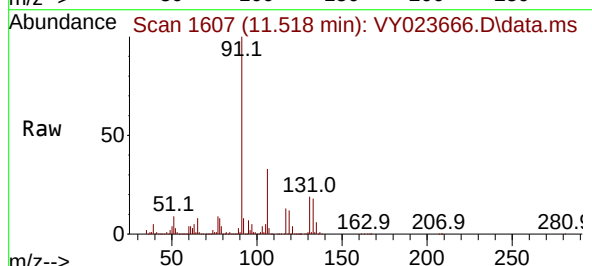
Tgt Ion:112 Resp: 2508744
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

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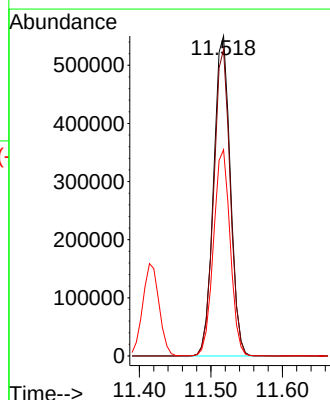
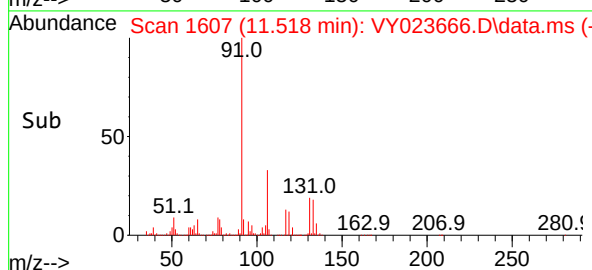
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

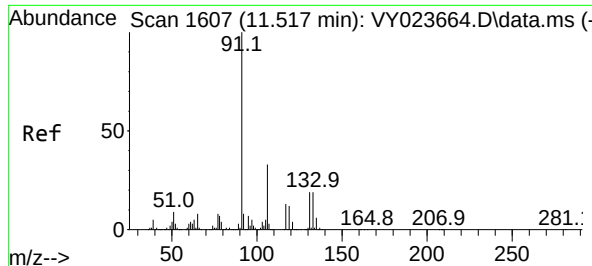


#66
1,1,1,2-Tetrachloroethane
Concen: 146.458 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27



Tgt Ion:131 Resp: 891788
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 64.5 32.5 97.4





#67

Ethyl Benzene

Concen: 154.896 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 431687

Ion Ratio Lower Upper

91 100

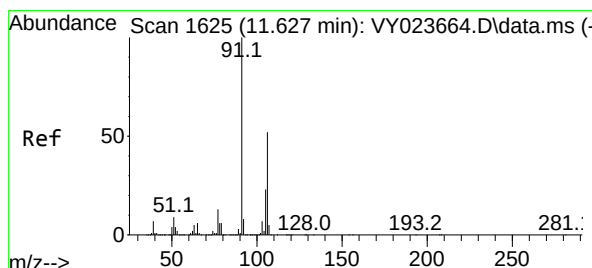
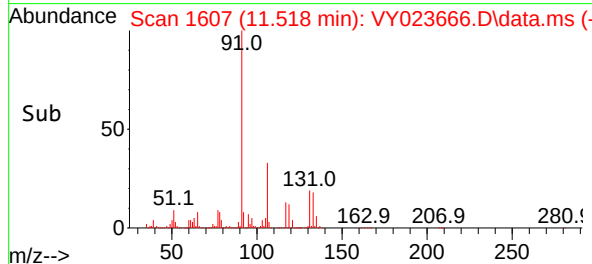
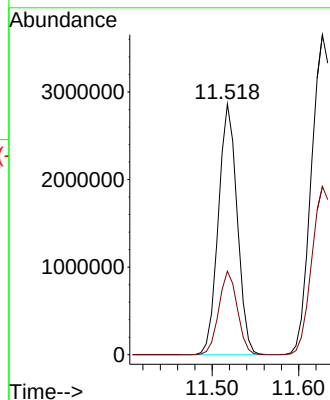
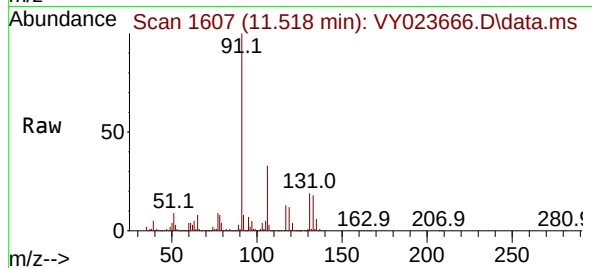
106 33.3 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

m/p-Xylenes

Concen: 310.002 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023666.D

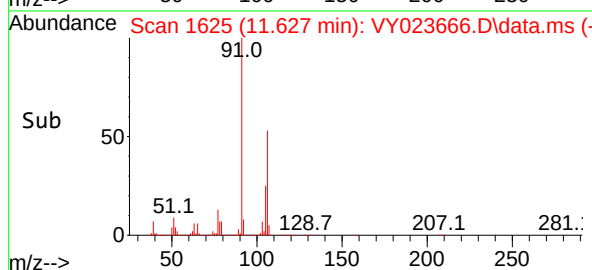
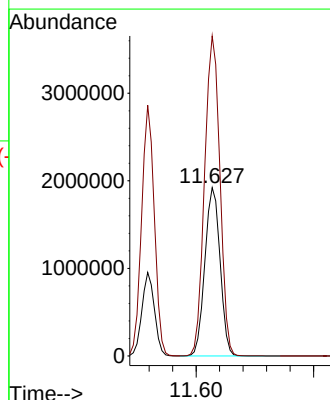
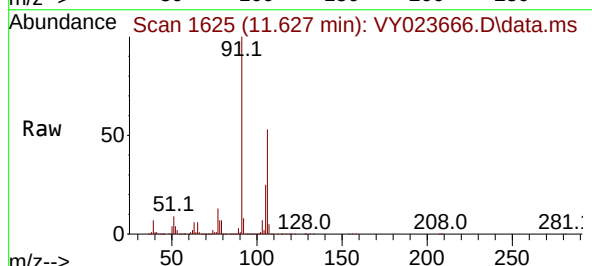
Acq: 04 Nov 2025 11:27

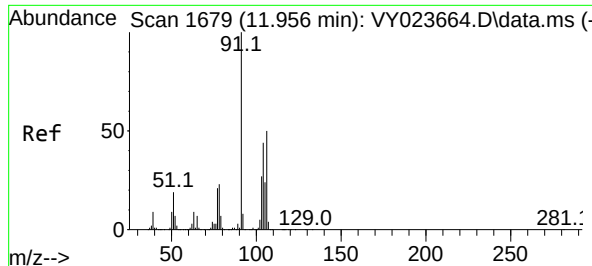
Tgt Ion:106 Resp: 3451849

Ion Ratio Lower Upper

106 100

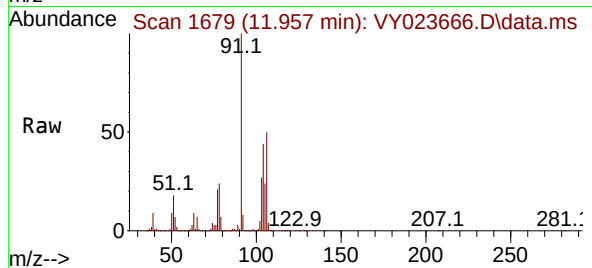
91 192.0 154.3 231.5





#69
o-Xylene
Concen: 159.402 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

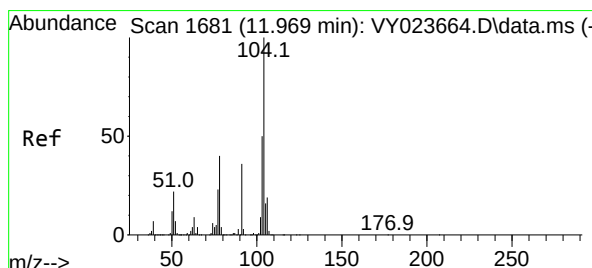
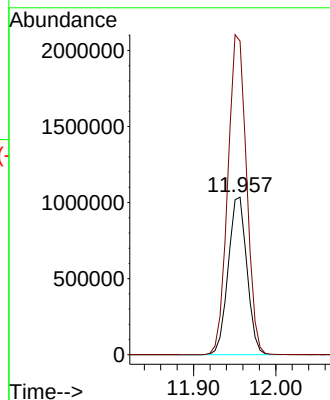
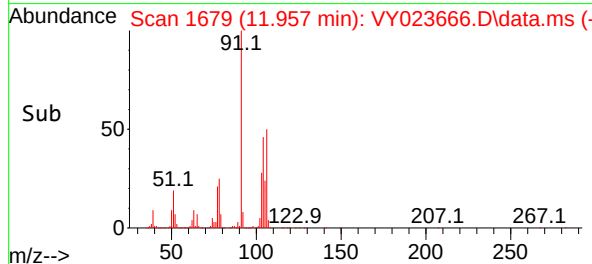
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:106 Resp: 1640734
Ion Ratio Lower Upper
106 100
91 203.2 101.6 304.6

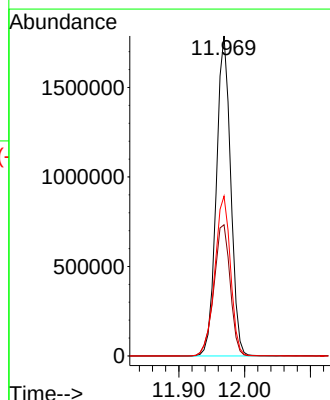
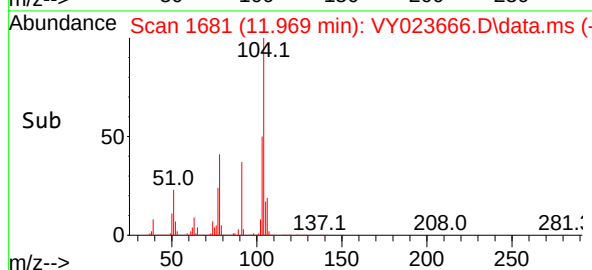
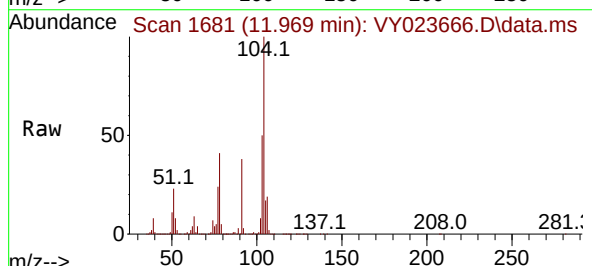
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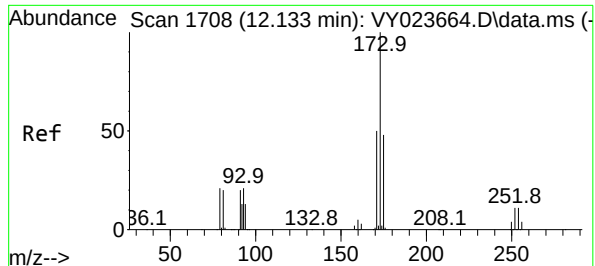
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 159.981 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion:104 Resp: 2716949
Ion Ratio Lower Upper
104 100
78 46.5 36.5 54.7
103 54.6 43.7 65.5





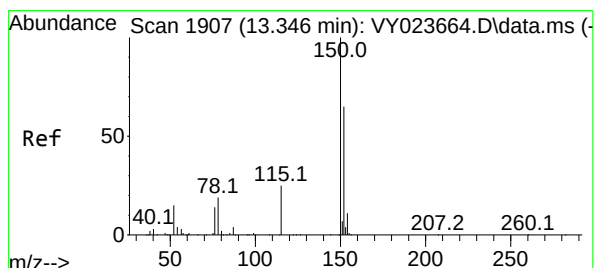
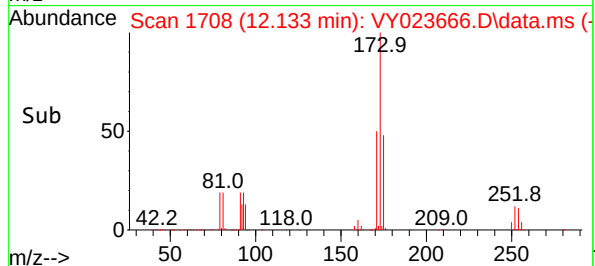
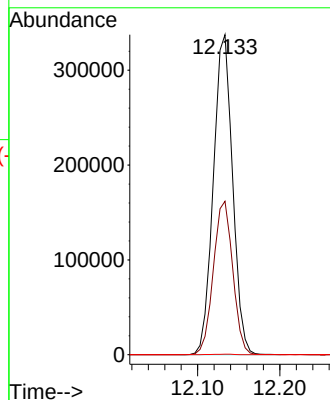
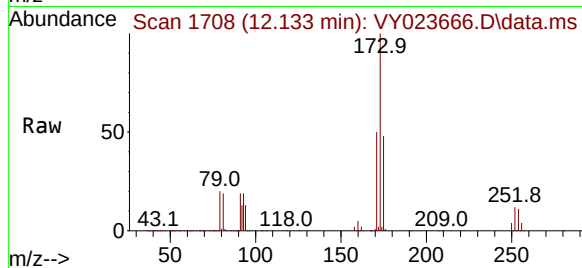
#71
Bromoform
Concen: 154.254 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 54856
Ion Ratio Lower Upper
173 100
175 48.4 24.2 72.6
254 0.2 0.2 0.2

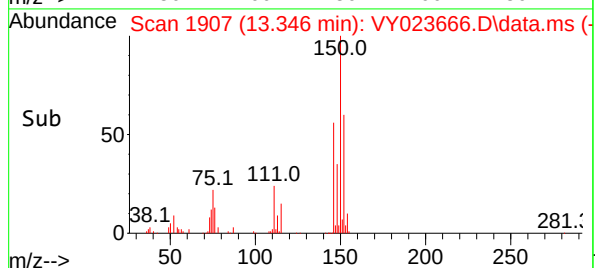
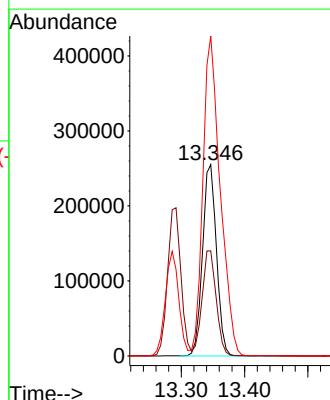
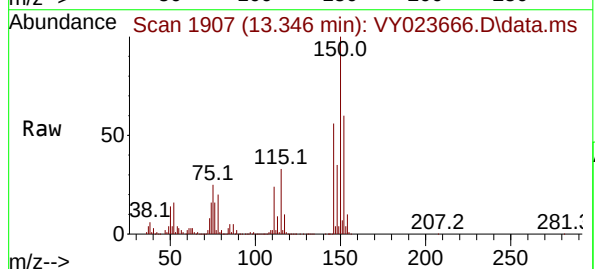
Manual Integrations
APPROVED

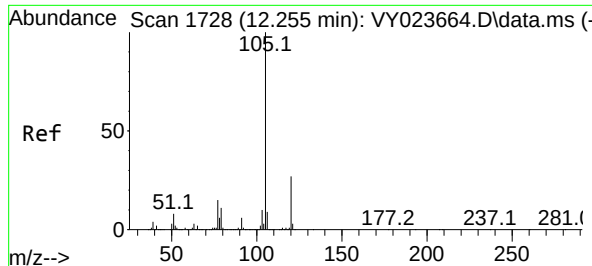
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

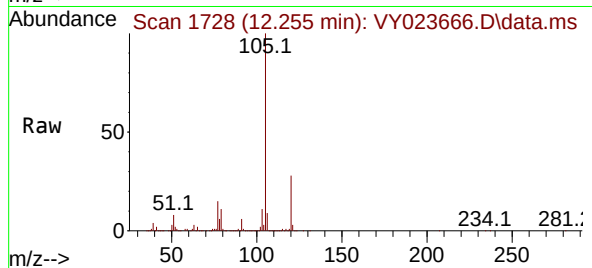
Tgt Ion:152 Resp: 391606
Ion Ratio Lower Upper
152 100
115 55.6 27.5 82.5
150 207.3 0.0 349.0





#73
Isopropylbenzene
Concen: 157.957 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

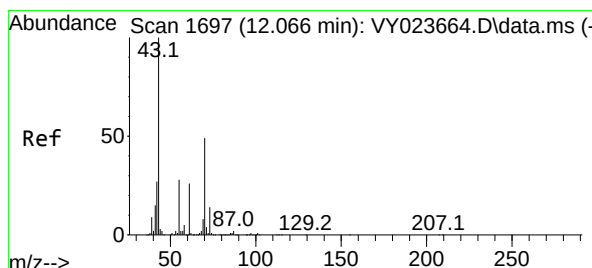
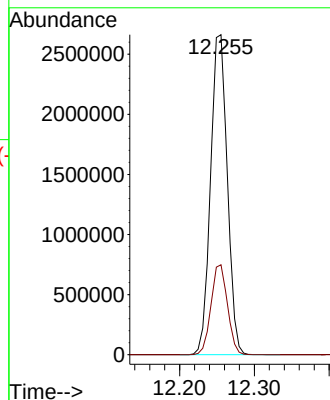
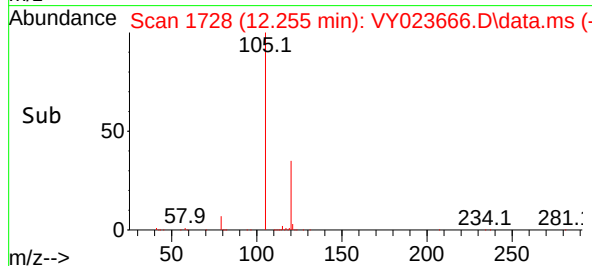
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 413709
Ion Ratio Lower Upper
105 100
120 27.6 13.6 40.7

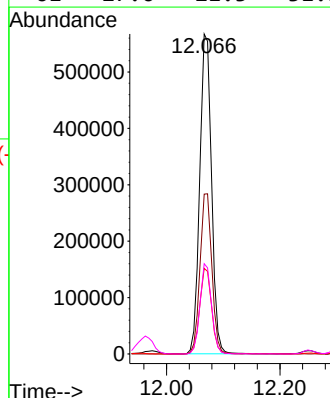
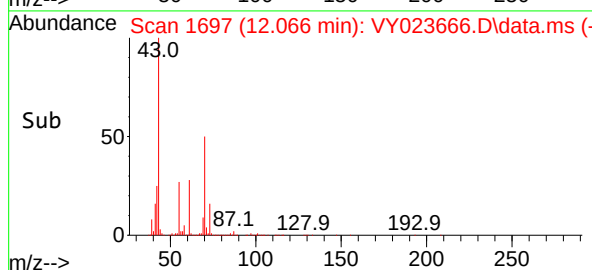
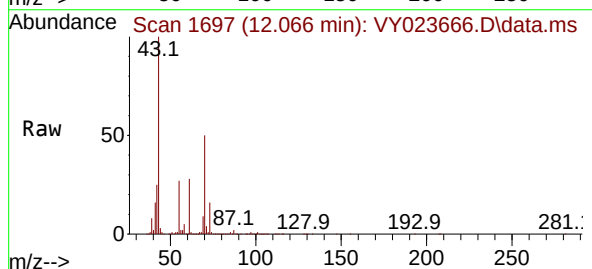
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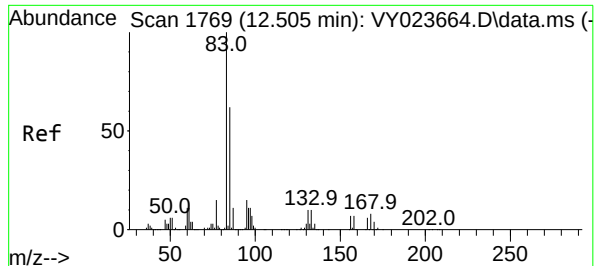
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 184.824 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 43 Resp: 819575
Ion Ratio Lower Upper
43 100
70 50.5 40.1 60.1
55 26.9 23.0 34.6
61 27.6 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 158.291 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 66214

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.0

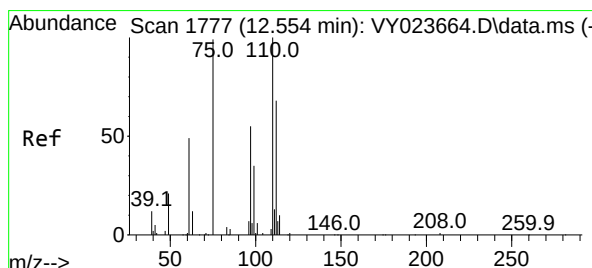
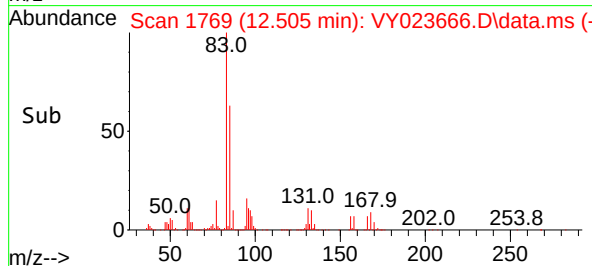
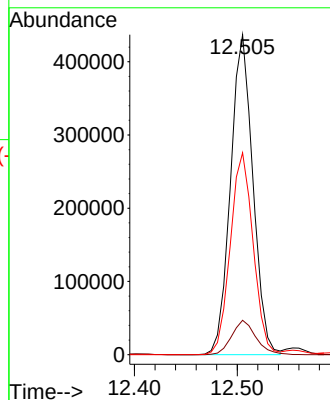
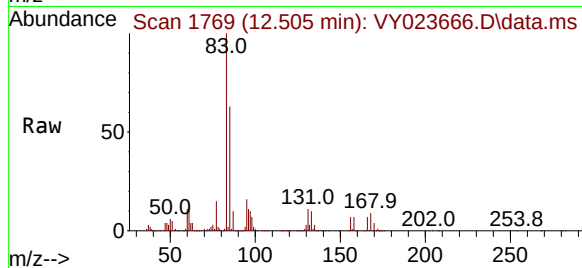
85 64.4 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#76

1,2,3-Trichloropropane

Concen: 145.052 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY023666.D

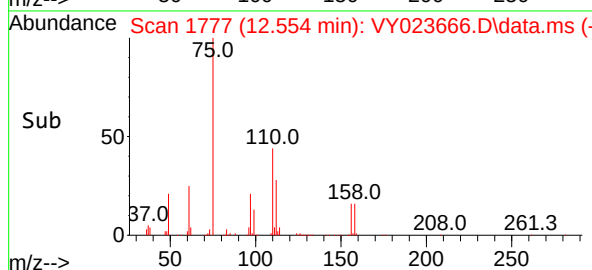
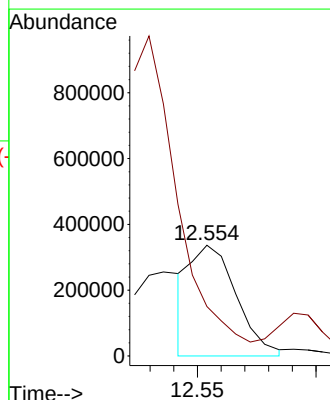
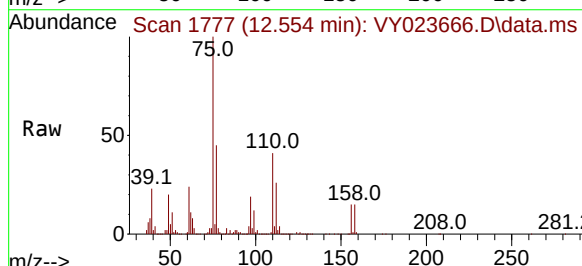
Acq: 04 Nov 2025 11:27

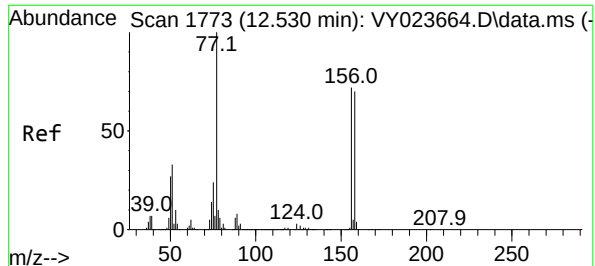
Tgt Ion: 75 Resp: 459716

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





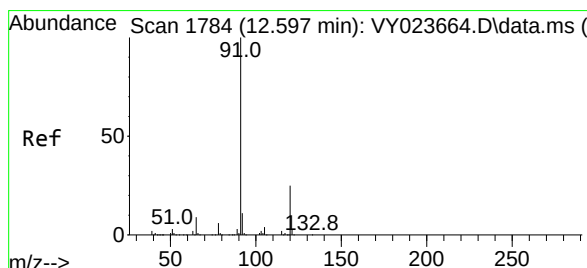
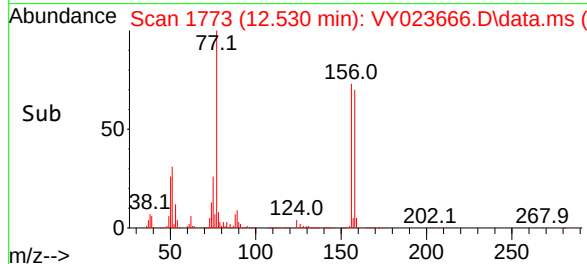
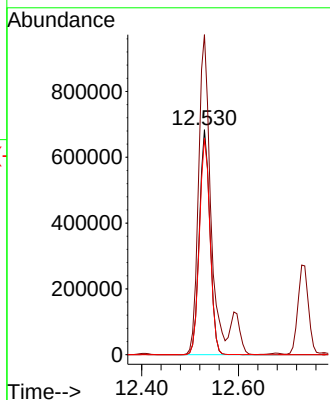
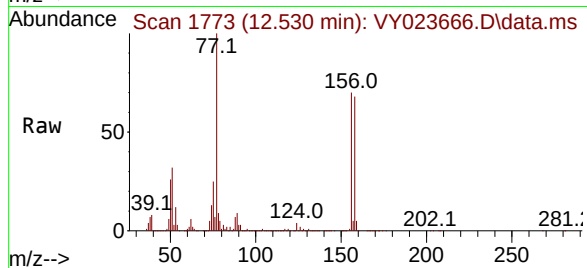
#77
Bromobenzene
Concen: 153.073 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 1039954
Ion Ratio Lower Upper
156 100
77 159.0 77.9 233.7
158 97.1 48.5 145.5

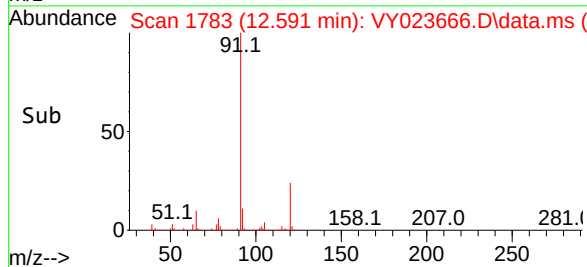
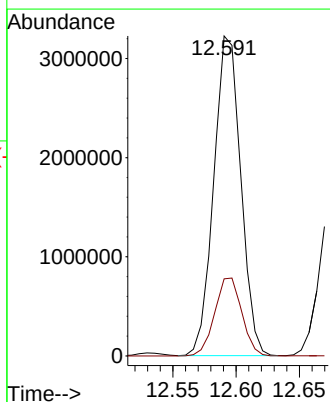
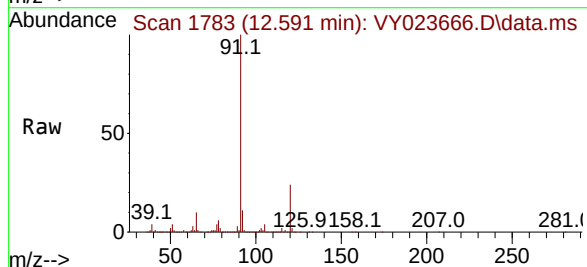
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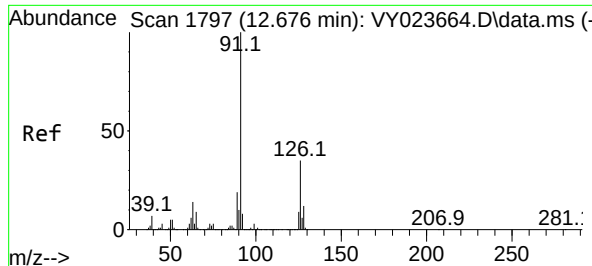
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 155.449 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 91 Resp: 4789010
Ion Ratio Lower Upper
91 100
120 24.4 12.0 36.1





#79

2-Chlorotoluene

Concen: 153.238 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 273947

Ion Ratio Lower Upper

91 100

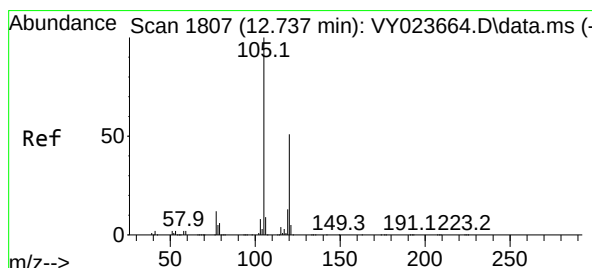
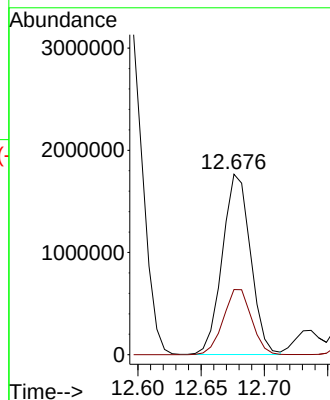
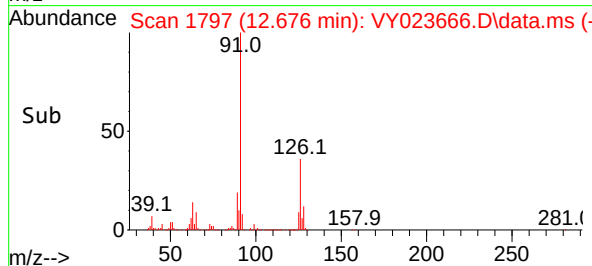
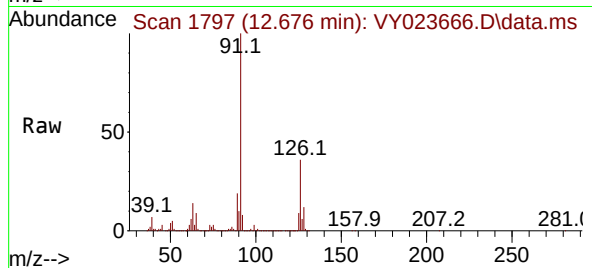
126 36.3 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 157.728 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023666.D

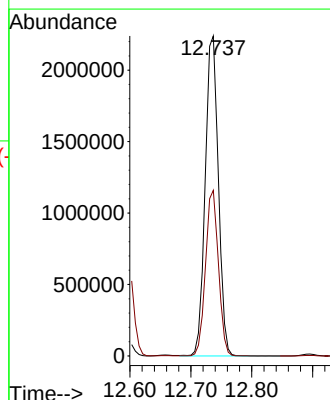
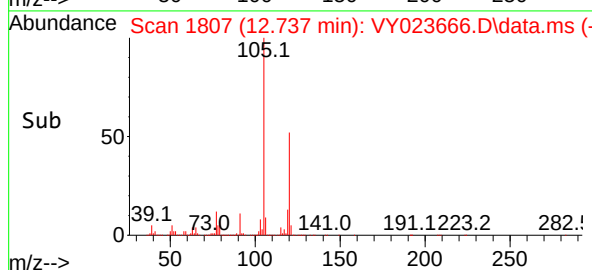
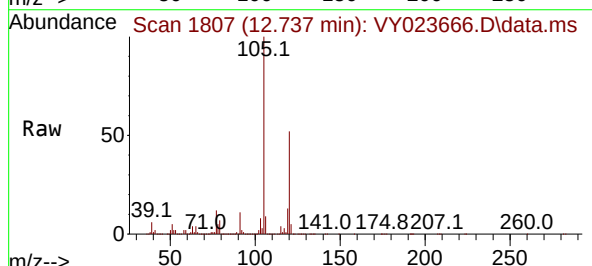
Acq: 04 Nov 2025 11:27

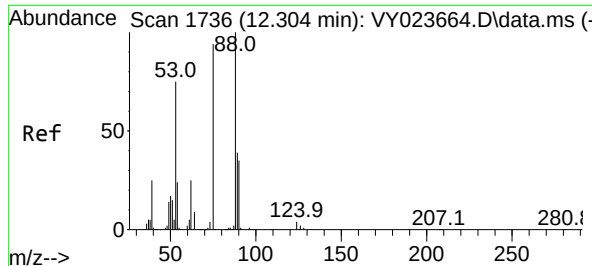
Tgt Ion:105 Resp: 3356489

Ion Ratio Lower Upper

105 100

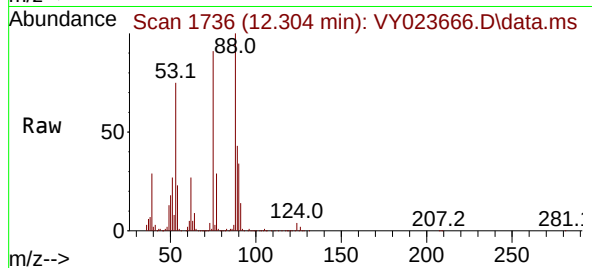
120 50.9 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 164.538 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

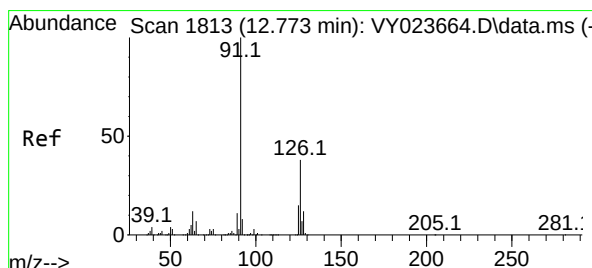
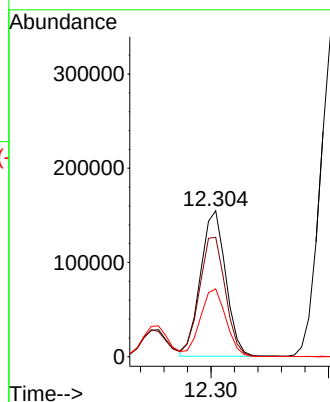
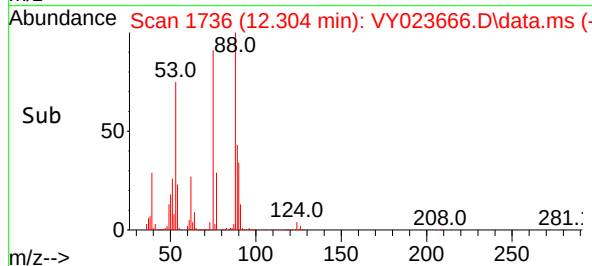
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 230740
Ion Ratio Lower Upper
75 100
53 84.1 69.6 104.4
89 47.5 38.2 57.4

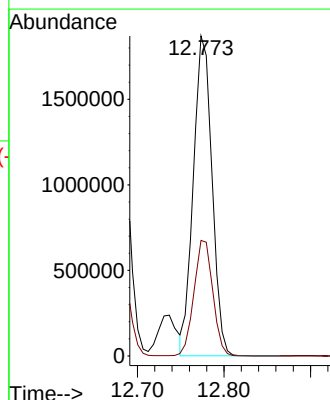
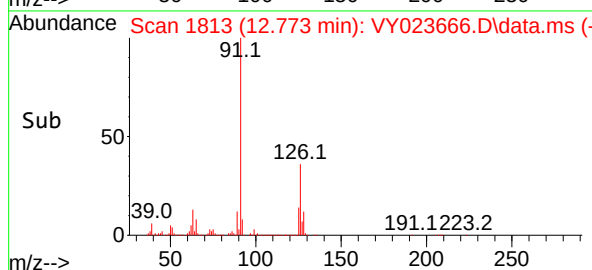
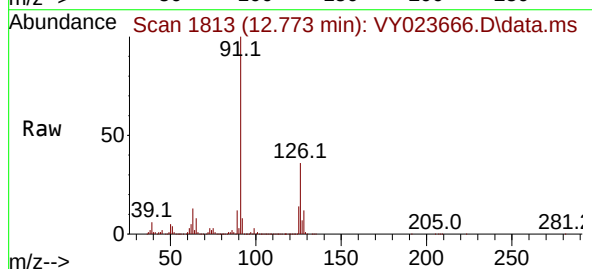
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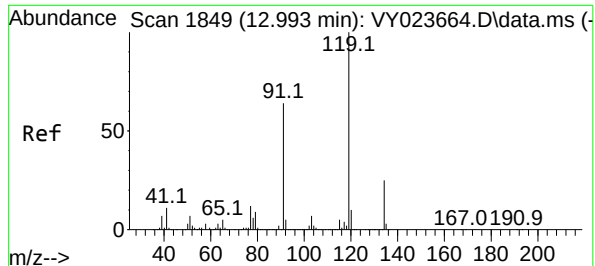
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 151.827 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

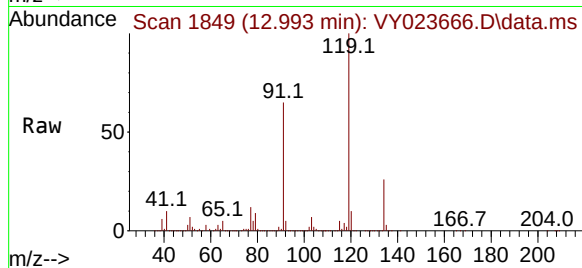
Tgt Ion: 91 Resp: 2799224
Ion Ratio Lower Upper
91 100
126 36.6 18.1 54.4





#83
tert-Butylbenzene
Concen: 162.060 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

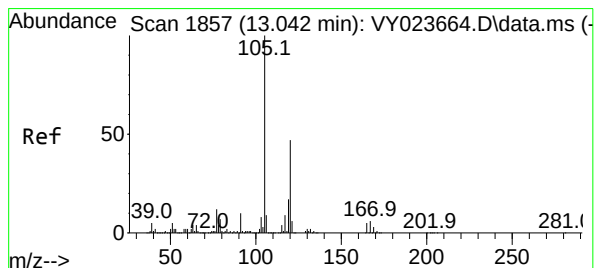
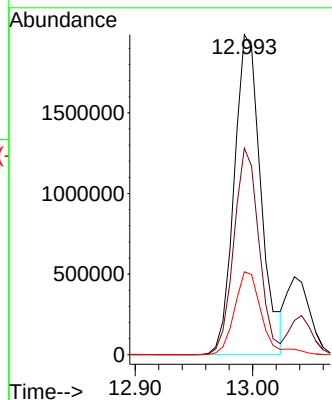
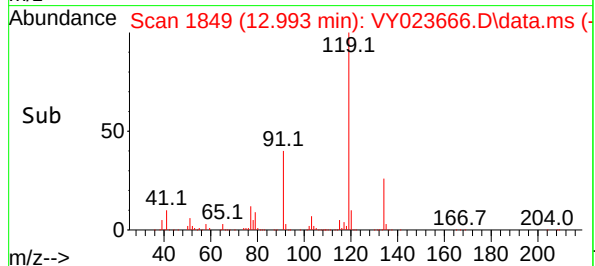
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150



Tgt Ion:119 Resp: 314096
Ion Ratio Lower Upper
119 100
91 60.9 30.7 92.1
134 26.4 13.1 39.1

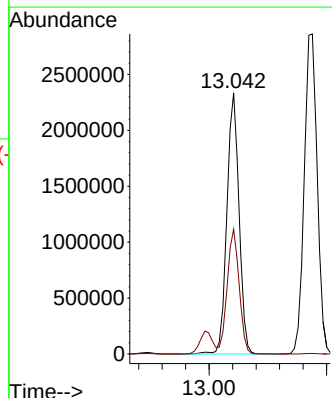
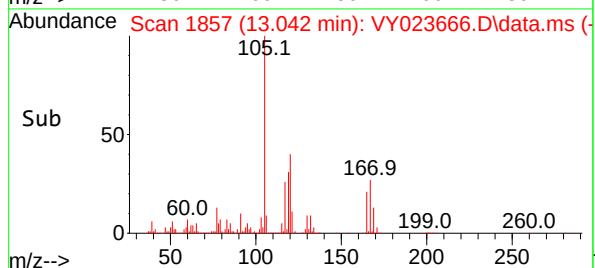
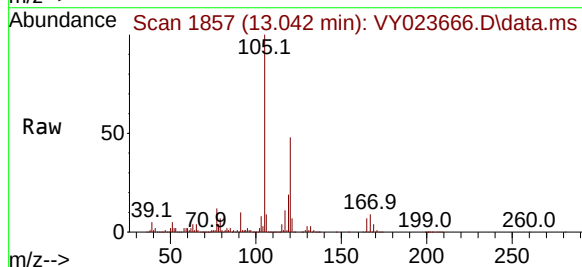
Manual Integrations
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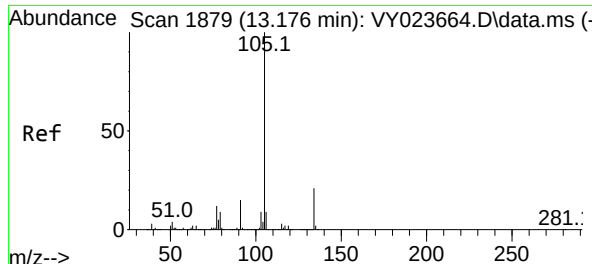
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 158.616 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion:105 Resp: 3343184
Ion Ratio Lower Upper
105 100
120 46.8 23.2 69.6





#85

sec-Butylbenzene

Concen: 156.408 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 4372340

Ion Ratio Lower Upper

105 100

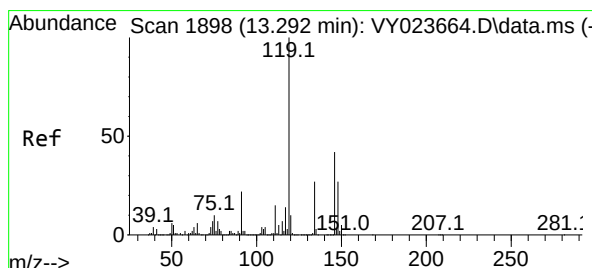
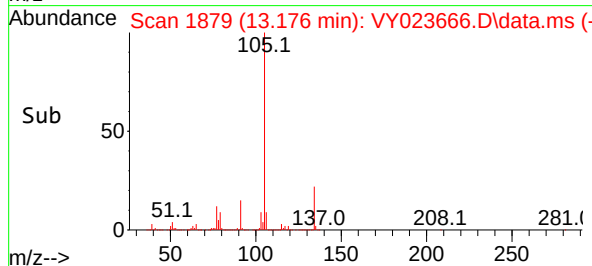
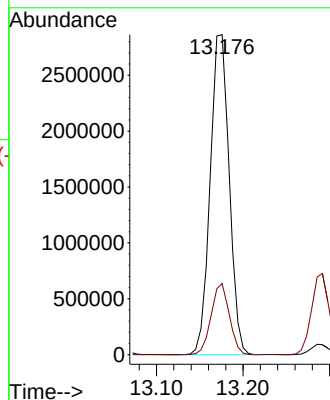
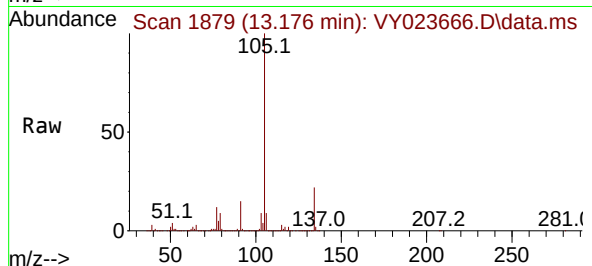
134 21.3 10.4 31.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#86

p-Isopropyltoluene

Concen: 161.714 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

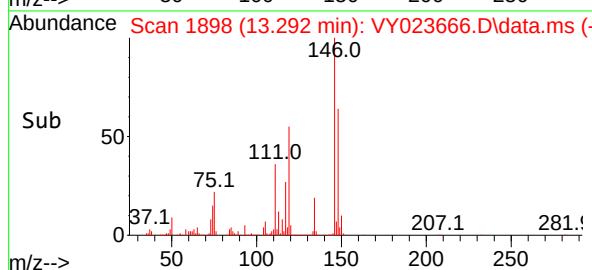
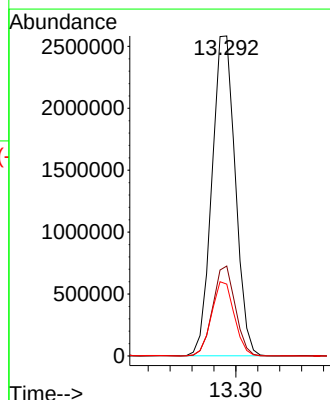
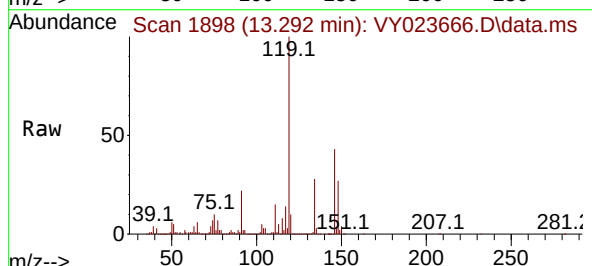
Tgt Ion:119 Resp: 3826970

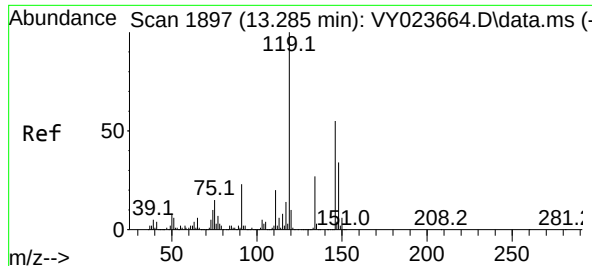
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.5 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 150.136 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 200758

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.3

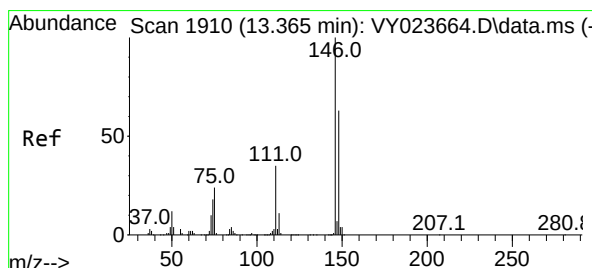
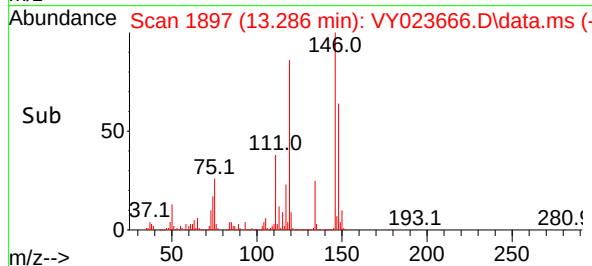
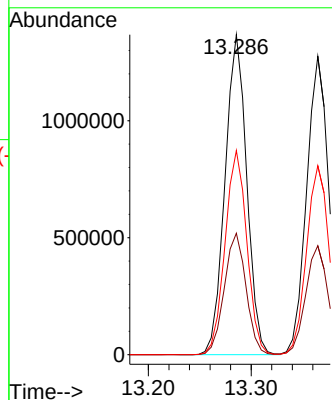
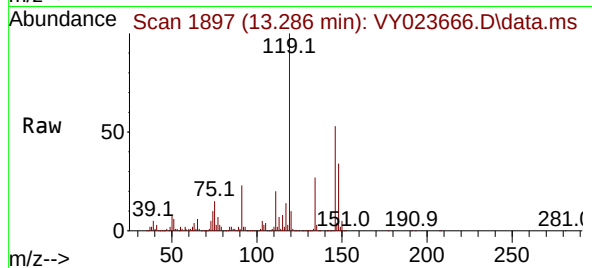
148 64.1 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 145.749 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

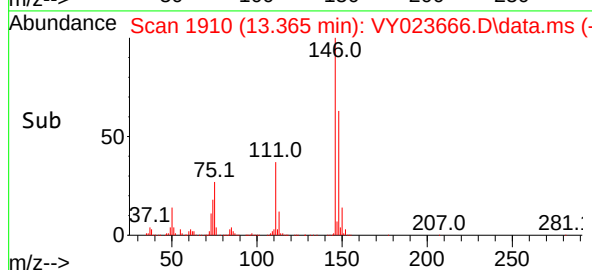
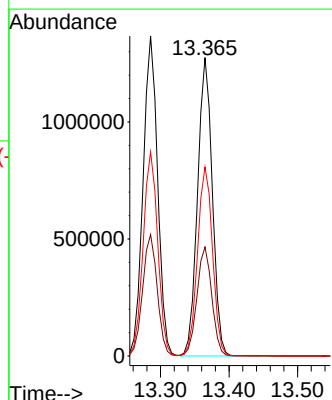
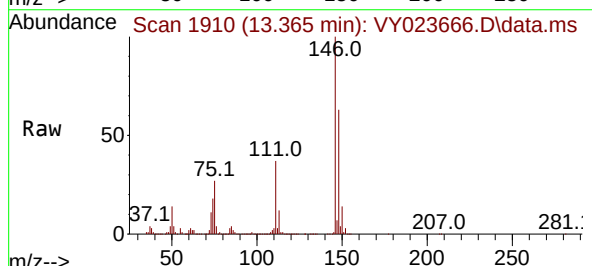
Tgt Ion:146 Resp: 1914429

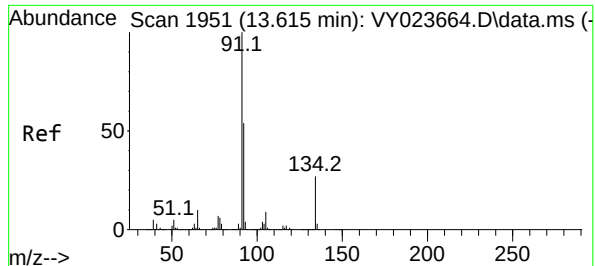
Ion Ratio Lower Upper

146 100

111 36.6 18.3 54.8

148 64.2 31.8 95.3





#89

n-Butylbenzene

Concen: 162.367 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 3341239

Ion Ratio Lower Upper

91 100

92 54.4 26.5 79.4

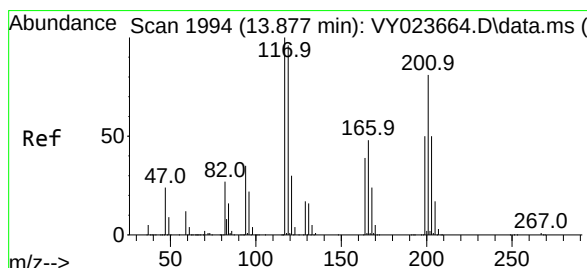
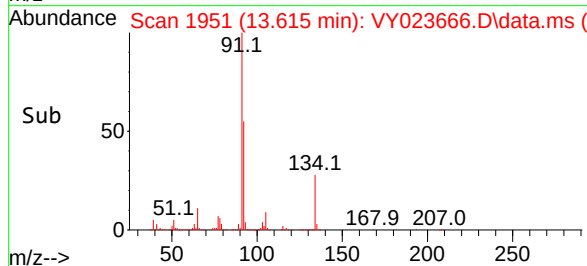
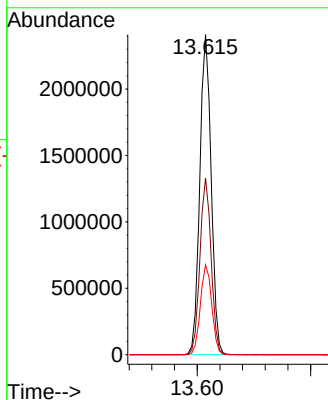
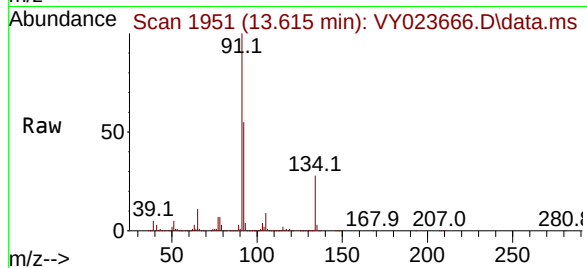
134 28.1 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 149.685 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023666.D

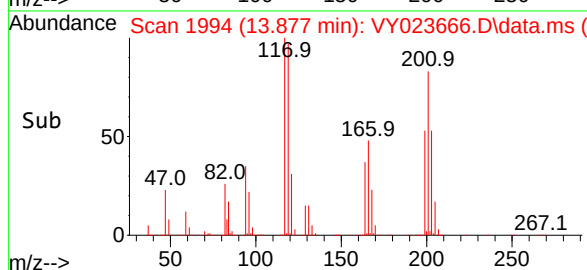
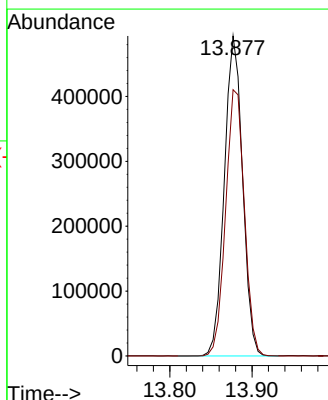
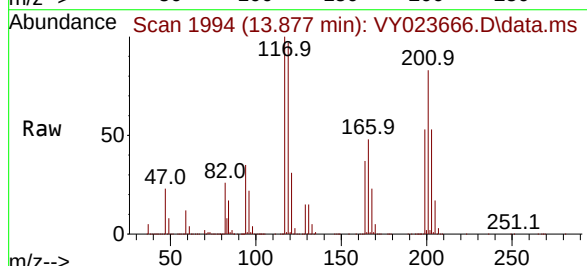
Acq: 04 Nov 2025 11:27

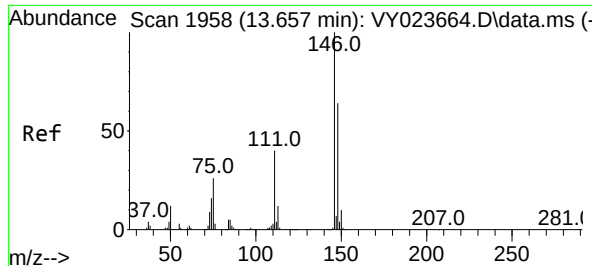
Tgt Ion:117 Resp: 761235

Ion Ratio Lower Upper

117 100

201 85.5 42.3 126.8





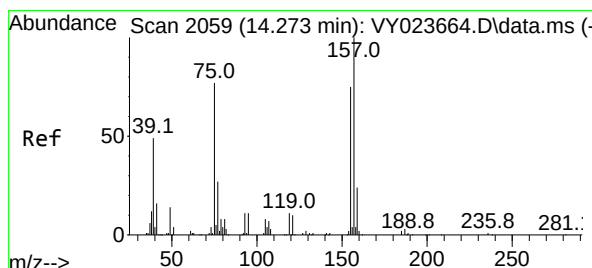
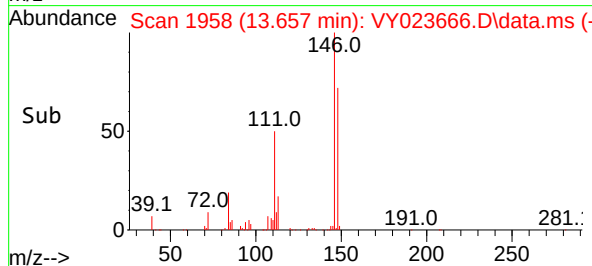
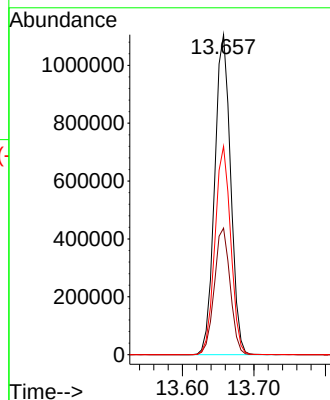
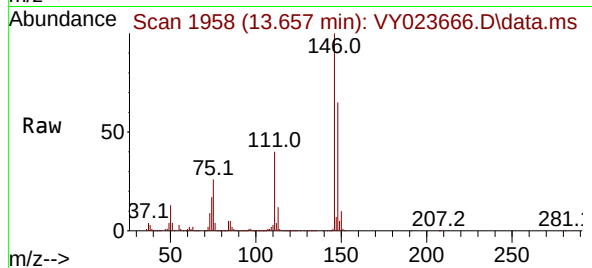
#91
1,2-Dichlorobenzene
Concen: 148.493 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 171116
Ion Ratio Lower Upper
146 100
111 39.3 19.5 58.5
148 64.4 31.9 95.9

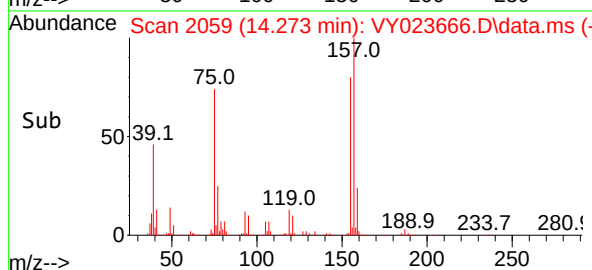
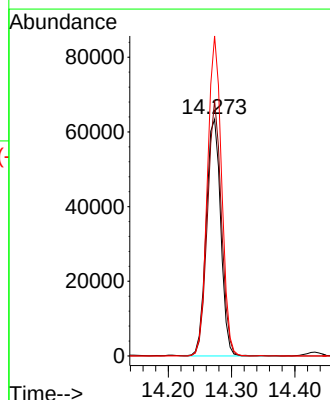
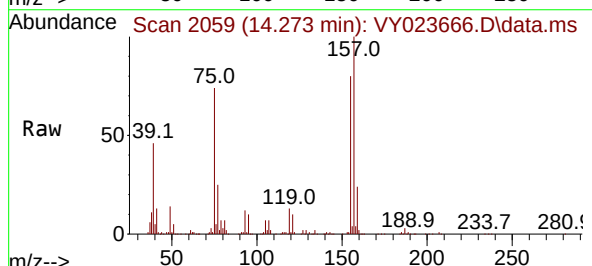
Manual Integrations
APPROVED

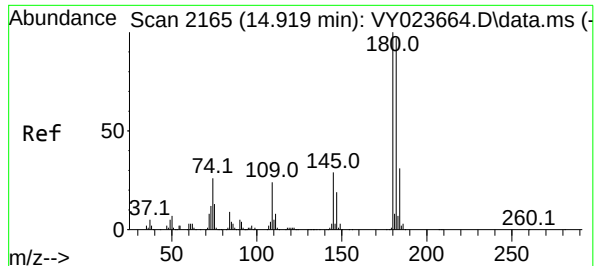
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 157.511 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion: 75 Resp: 101448
Ion Ratio Lower Upper
75 100
155 102.9 49.4 148.2
157 130.9 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 168.205 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 1108704

Ion Ratio Lower Upper

180 100

182 94.4 47.5 142.6

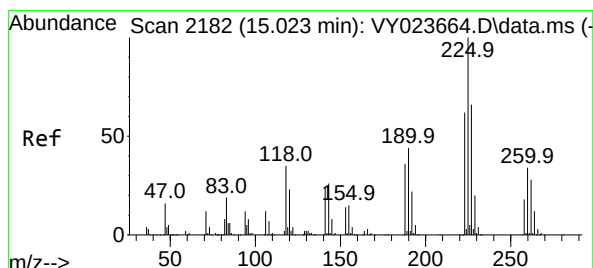
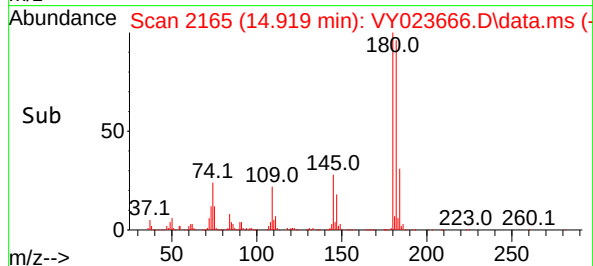
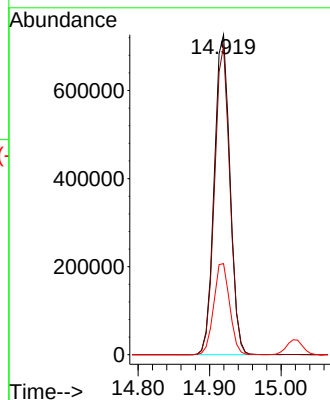
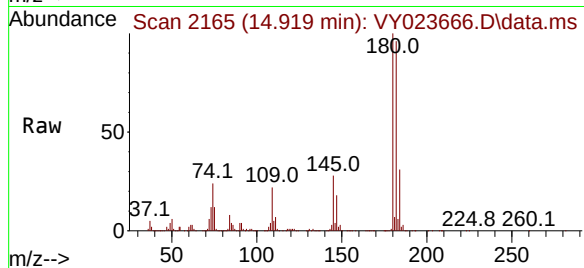
145 28.9 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 148.620 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023666.D

Acq: 04 Nov 2025 11:27

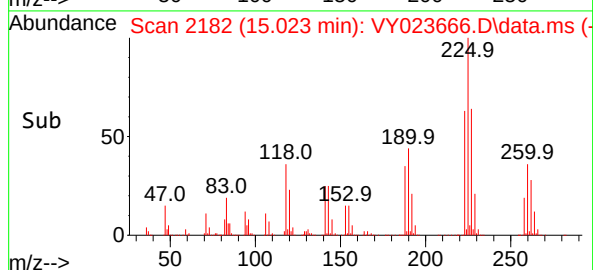
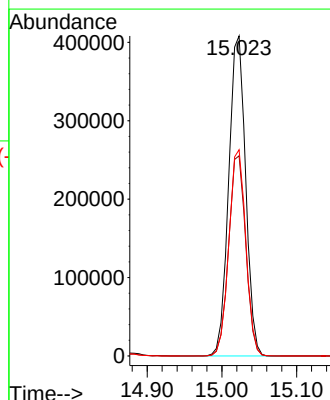
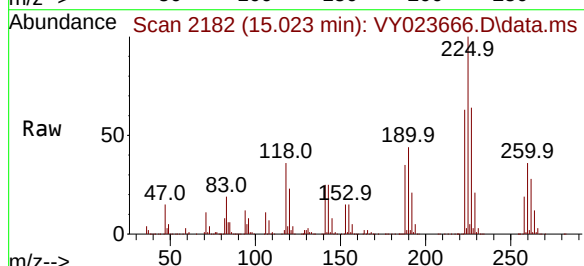
Tgt Ion:225 Resp: 641847

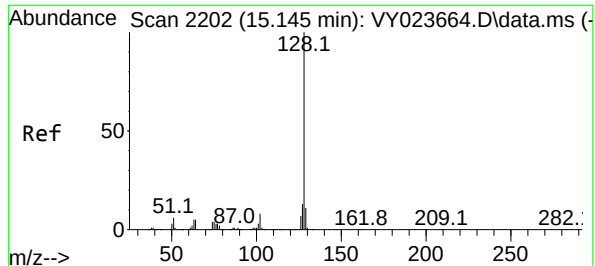
Ion Ratio Lower Upper

225 100

223 63.1 30.8 92.3

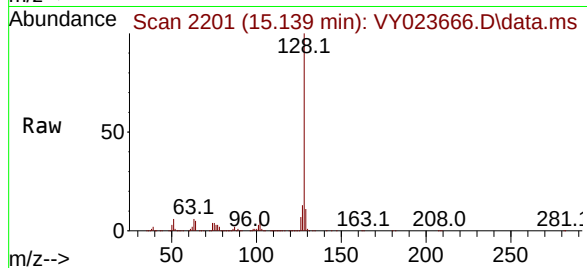
227 64.6 32.0 96.2





#95
Naphthalene
Concen: 152.117 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

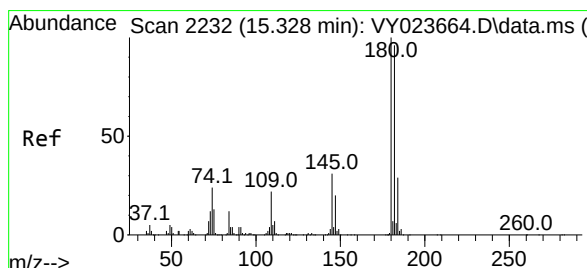
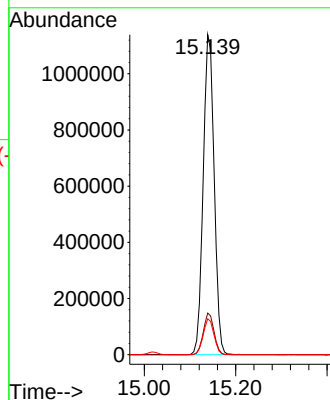
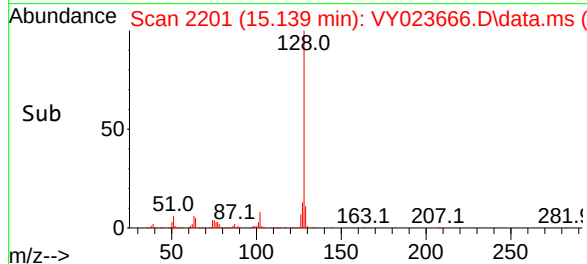
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150



Tgt Ion:128 Resp: 189129
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 11.0 8.8 13.2

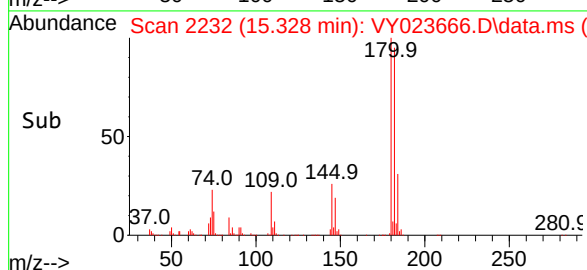
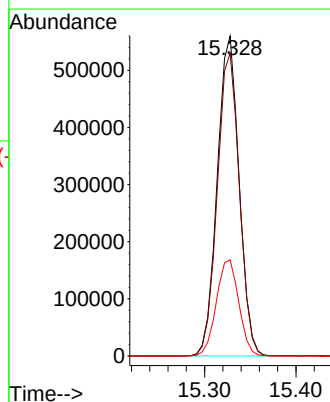
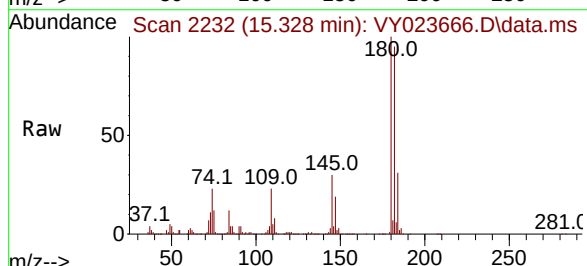
Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 168.759 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023666.D
Acq: 04 Nov 2025 11:27

Tgt Ion:180 Resp: 929367
Ion Ratio Lower Upper
180 100
182 95.6 47.5 142.6
145 30.9 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023668.D
 Acq On : 04 Nov 2025 12:14
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY110425

Quant Time: Nov 05 04:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	608113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	888282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	783299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	398785	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	242791	46.805	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.620%
35) Dibromofluoromethane	7.634	113	268074	48.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.580%
50) Toluene-d8	10.109	98	1040318	50.309	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.620%
62) 4-Bromofluorobenzene	12.402	95	344284	51.484	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.960%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	169445	42.448	ug/l	99
3) Chloromethane	2.074	50	256717	45.957	ug/l	99
4) Vinyl Chloride	2.208	62	330280	45.438	ug/l	98
5) Bromomethane	2.599	94	277800	45.434	ug/l	97
6) Chloroethane	2.739	64	235159	46.809	ug/l	99
7) Trichlorofluoromethane	3.056	101	474583	46.359	ug/l	98
8) Diethyl Ether	3.458	74	132465	48.252	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	267535	47.433	ug/l	100
10) Methyl Iodide	4.007	142	316753	47.558	ug/l	99
11) Tert butyl alcohol	4.860	59	75144	224.660	ug/l	96
12) 1,1-Dichloroethene	3.793	96	261851	48.194	ug/l	99
13) Acrolein	3.653	56	91811	213.558	ug/l	99
14) Allyl chloride	4.385	41	330702	50.006	ug/l	99
15) Acrylonitrile	5.062	53	257491	245.434	ug/l	99
16) Acetone	3.867	43	294814	228.644	ug/l	95
17) Carbon Disulfide	4.110	76	787691	47.235	ug/l	99
18) Methyl Acetate	4.385	43	126071	44.328	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	643310	51.062	ug/l	99
20) Methylene Chloride	4.616	84	285026	45.791	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	300477	49.048	ug/l	99
22) Diisopropyl ether	6.025	45	755561	51.273	ug/l	100
23) Vinyl Acetate	5.964	43	2077321	264.163	ug/l	100
24) 1,1-Dichloroethane	5.921	63	471845	48.064	ug/l	99
25) 2-Butanone	6.897	43	352581	236.507	ug/l	100
26) 2,2-Dichloropropane	6.890	77	437078	48.402	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	347603	49.682	ug/l	99
28) Bromochloromethane	7.250	49	176101	46.849	ug/l	99
29) Tetrahydrofuran	7.262	42	198667	250.229	ug/l	99
30) Chloroform	7.421	83	524526	47.888	ug/l	100
31) Cyclohexane	7.701	56	414807	48.520	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	471242	48.137	ug/l	99
36) 1,1-Dichloropropene	7.835	75	369989	49.878	ug/l	100
37) Ethyl Acetate	6.988	43	146441	50.997	ug/l	99
38) Carbon Tetrachloride	7.823	117	432288	49.462	ug/l	100
39) Methylcyclohexane	9.110	83	501162	52.876	ug/l	98
40) Benzene	8.079	78	1163766	49.773	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023668.D
 Acq On : 04 Nov 2025 12:14
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY110425

Manual Integrations APPROVED

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

Quant Time: Nov 05 04:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	68046	43.412	ug/l #	81
42) 1,2-Dichloroethane	8.159	62	287665	48.630	ug/l	99
43) Isopropyl Acetate	8.201	43	277810	51.490	ug/l #	87
44) Trichloroethene	8.866	130	327327	48.741	ug/l	97
45) 1,2-Dichloropropane	9.140	63	257161	49.835	ug/l	98
46) Dibromomethane	9.232	93	159165	49.780	ug/l	98
47) Bromodichloromethane	9.420	83	399133	49.512	ug/l	99
48) Methyl methacrylate	9.219	41	135247	53.056	ug/l	99
49) 1,4-Dioxane	9.225	88	32783	1001.883	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	739467	257.714	ug/l	99
52) Toluene	10.170	92	769370	51.540	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	349820	51.286	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	418833	51.251	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	209781	49.096	ug/l	95
56) Ethyl methacrylate	10.439	69	259940	55.214	ug/l	99
57) 1,3-Dichloropropane	10.719	76	337613	49.813	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	586635	271.549	ug/l	100
59) 2-Hexanone	10.762	43	536488	256.278	ug/l	100
60) Dibromochloromethane	10.908	129	293578	50.005	ug/l	100
61) 1,2-Dibromoethane	11.012	107	200656	50.038	ug/l	99
64) Tetrachloroethene	10.646	164	384807	47.199	ug/l	98
65) Chlorobenzene	11.438	112	849748	49.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	298190	49.452	ug/l	99
67) Ethyl Benzene	11.518	91	1445427	52.373	ug/l	99
68) m/p-Xylenes	11.627	106	1159953	105.195	ug/l	100
69) o-Xylene	11.957	106	541389	53.114	ug/l	99
70) Styrene	11.969	104	896108	53.283	ug/l	99
71) Bromoform	12.133	173	177352	50.360	ug/l #	99
73) Isopropylbenzene	12.255	105	1417486	53.146	ug/l	99
74) N-amyl acetate	12.072	43	238873	52.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	214414	50.335	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	153462m	47.550	ug/l	
77) Bromobenzene	12.530	156	348579	50.384	ug/l	99
78) n-propylbenzene	12.591	91	1654045	52.723	ug/l	100
79) 2-Chlorotoluene	12.676	91	940627	51.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1152618	53.189	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	70336	49.252	ug/l	99
82) 4-Chlorotoluene	12.774	91	965258	51.412	ug/l	100
83) tert-Butylbenzene	12.993	119	1067903	54.107	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1146575	53.419	ug/l	99
85) sec-Butylbenzene	13.170	105	1517909	53.321	ug/l	100
86) p-Isopropyltoluene	13.292	119	1299518	53.924	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	681531	50.050	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	656109	49.051	ug/l	99
89) n-Butylbenzene	13.615	91	1139328	54.369	ug/l	99
90) Hexachloroethane	13.877	117	258543	49.923	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	587705	50.082	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31188	47.551	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	356674	53.138	ug/l	100
94) Hexachlorobutadiene	15.023	225	222246	50.535	ug/l	99
95) Naphthalene	15.139	128	560653	48.012	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	300360	53.559	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Manual Integrations
APPROVED

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

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/soil
ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025

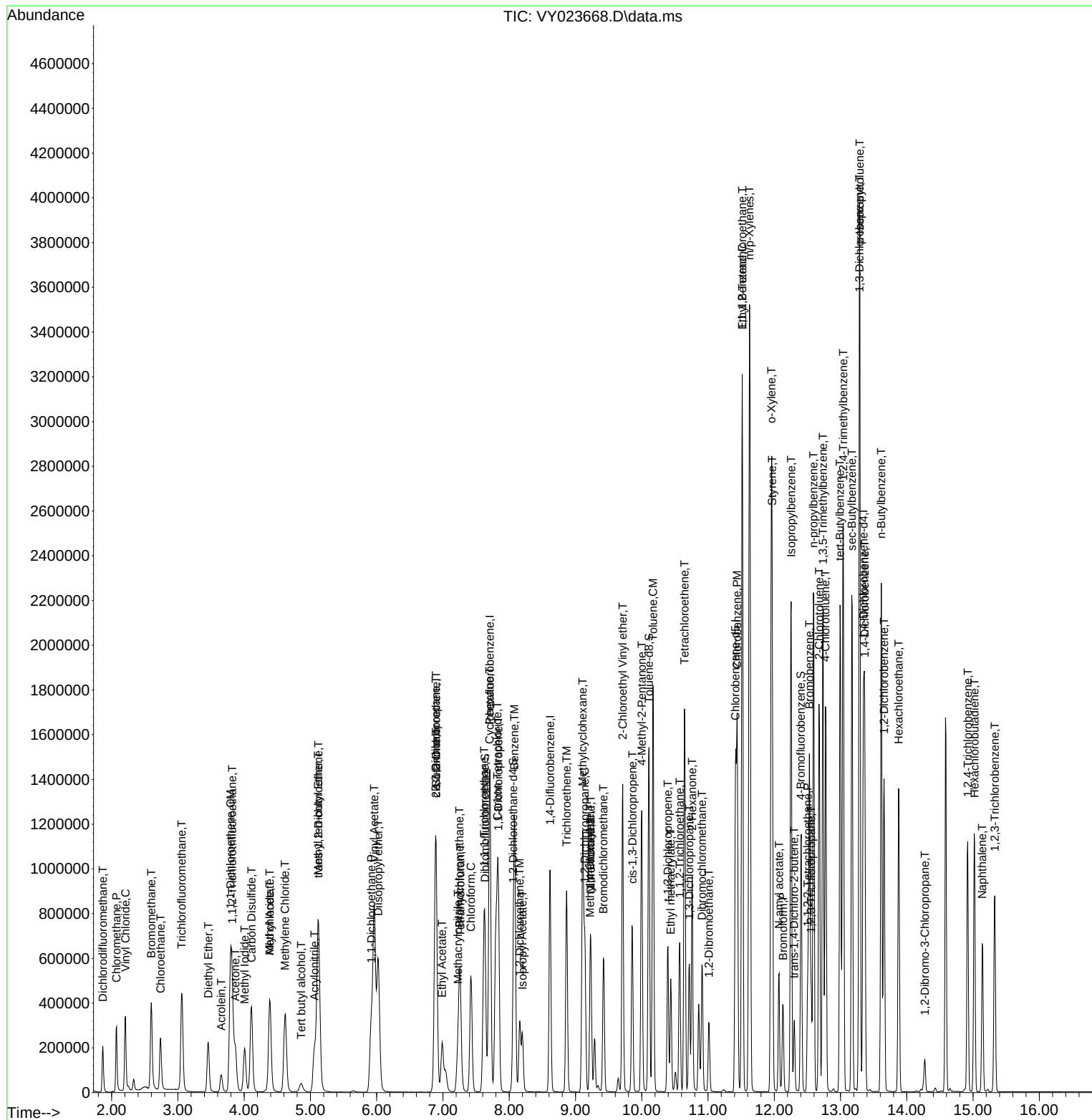
Quant Time: Nov 05 04:45:25 2025

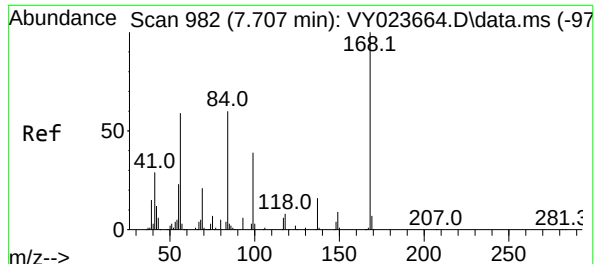
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:41:50 2025

Response via : Initial Calibration





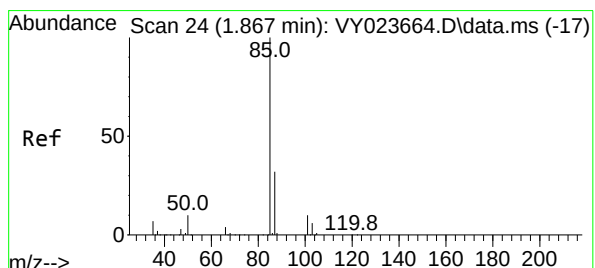
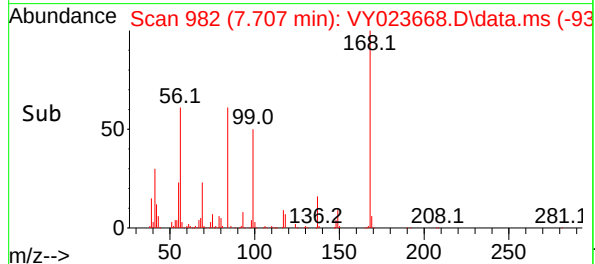
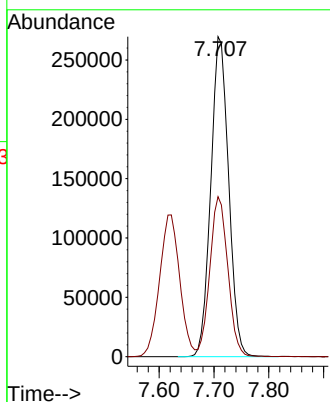
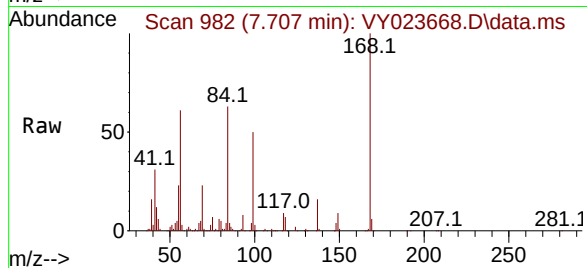
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Tgt Ion:168 Resp: 60811
Ion Ratio Lower Upper
168 100
99 49.9 41.0 61.4

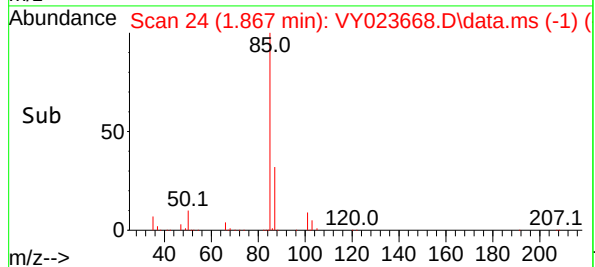
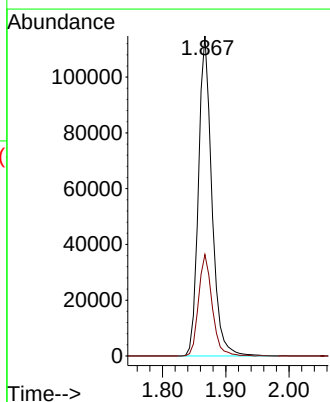
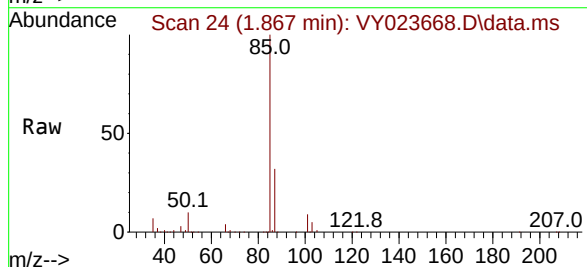
Manual Integrations
APPROVED

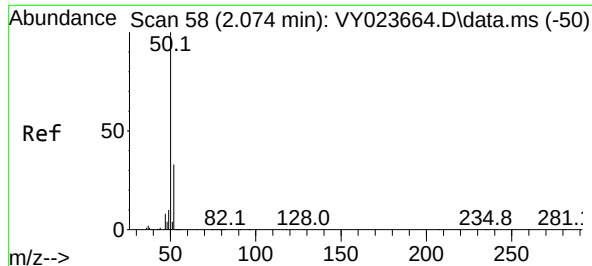
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#2
Dichlorodifluoromethane
Concen: 42.448 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

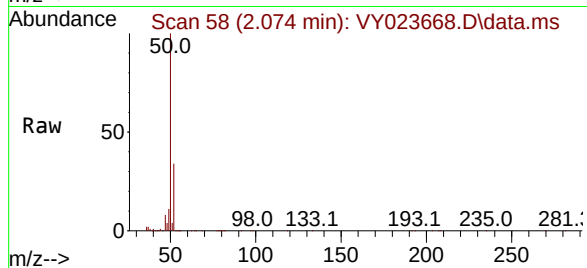
Tgt Ion: 85 Resp: 169445
Ion Ratio Lower Upper
85 100
87 31.7 16.2 48.6





#3
Chloromethane
Concen: 45.957 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

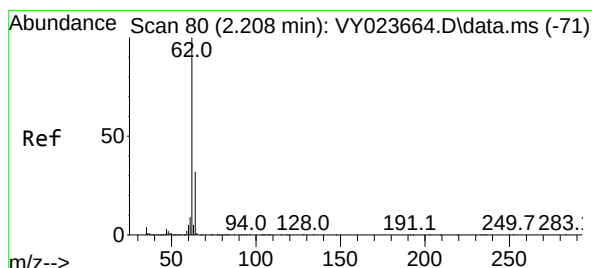
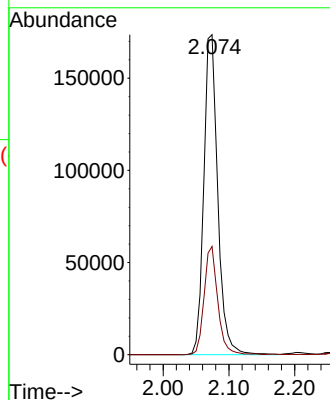
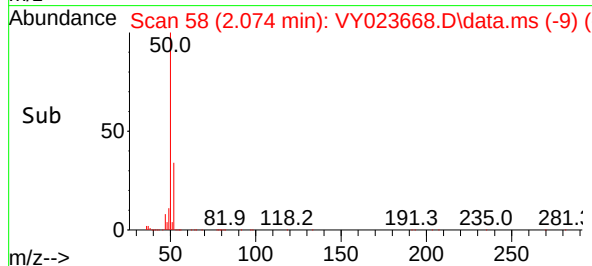
Instrument :
MSVOA_Y
ClientSampleId :
ICVY110425



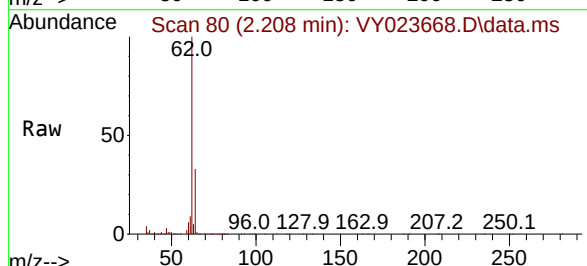
Tgt Ion: 50 Resp: 25671
Ion Ratio Lower Upper
50 100
52 33.8 26.5 39.7

Manual Integrations
APPROVED

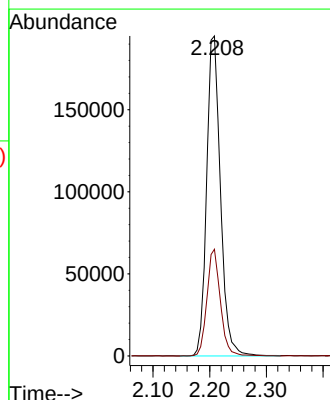
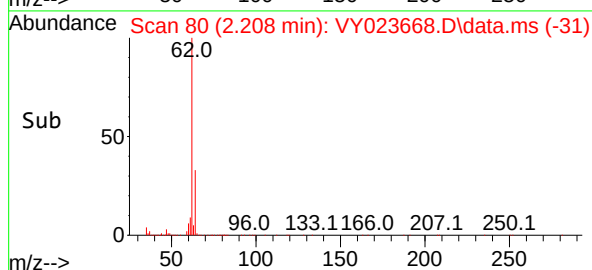
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

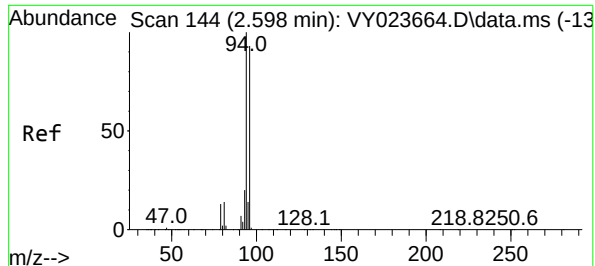


#4
Vinyl Chloride
Concen: 45.438 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14



Tgt Ion: 62 Resp: 330280
Ion Ratio Lower Upper
62 100
64 33.3 25.7 38.5





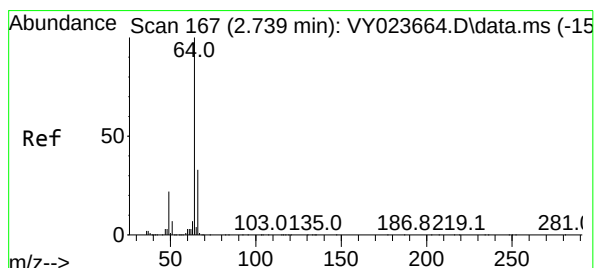
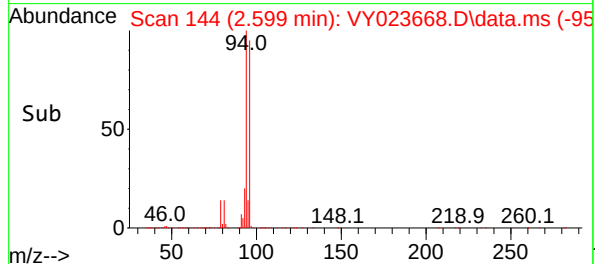
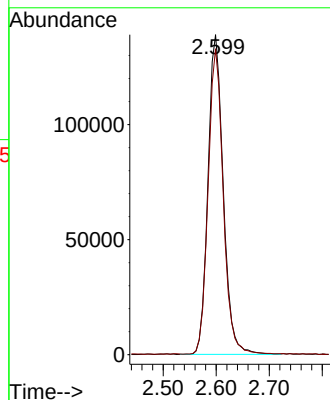
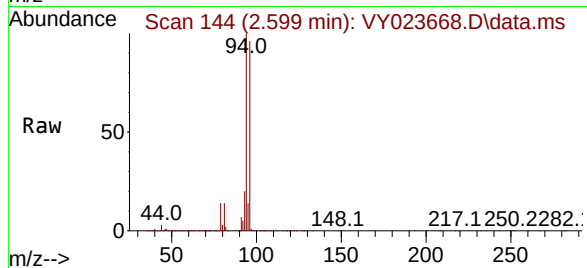
#5
Bromomethane
Concen: 45.434 ug/l
RT: 2.599 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Tgt Ion: 94 Resp: 277800
Ion Ratio Lower Upper
94 100
96 95.5 74.4 111.6

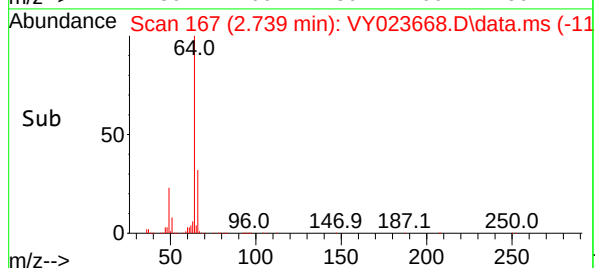
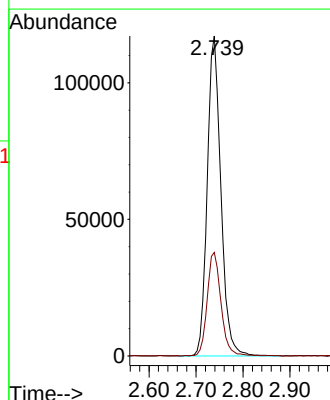
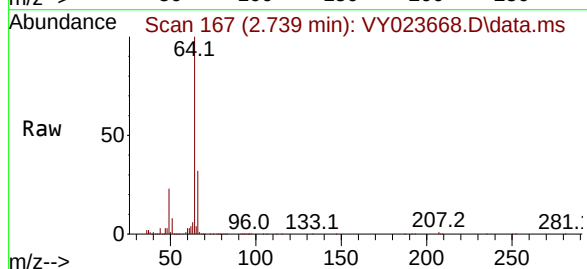
Manual Integrations
APPROVED

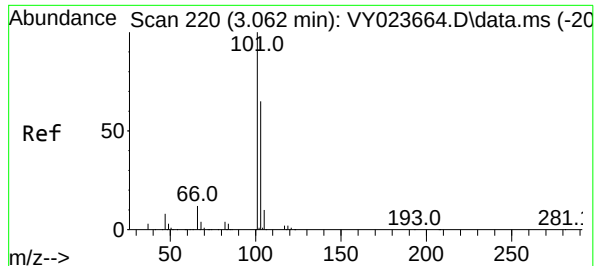
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#6
Chloroethane
Concen: 46.809 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 64 Resp: 235159
Ion Ratio Lower Upper
64 100
66 32.4 26.2 39.4





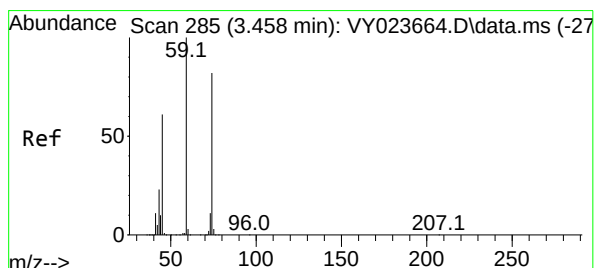
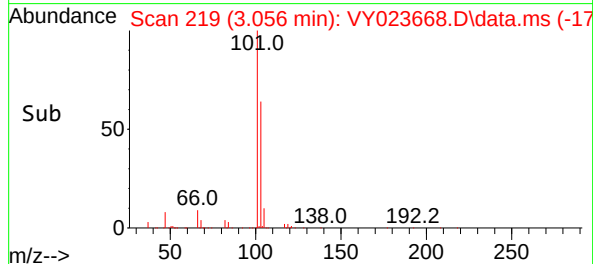
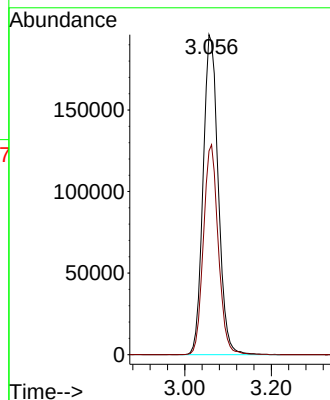
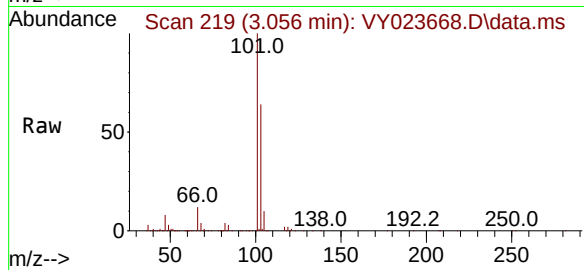
#7
Trichlorofluoromethane
Concen: 46.359 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Tgt Ion:101 Resp: 47458
Ion Ratio Lower Upper
101 100
103 63.7 52.1 78.1

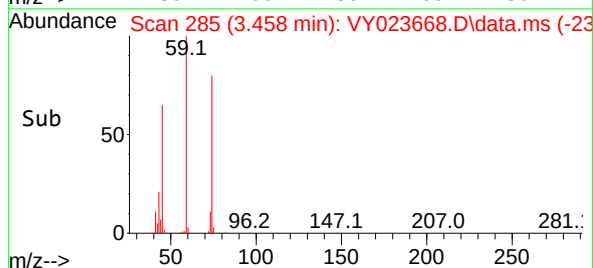
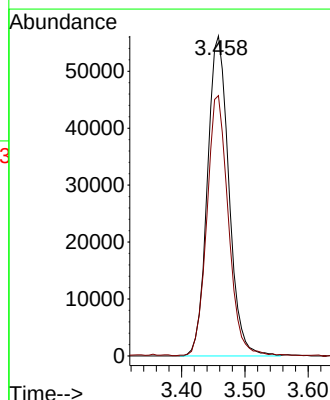
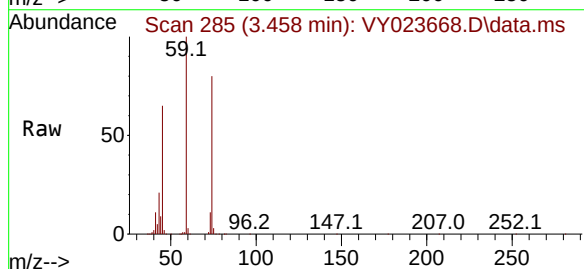
Manual Integrations
APPROVED

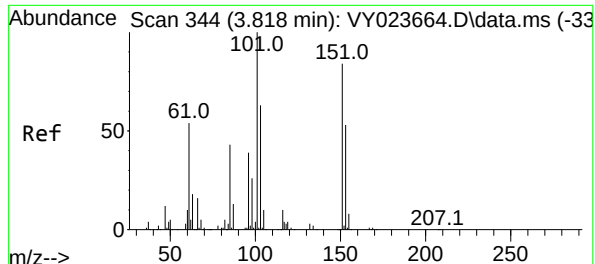
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 48.252 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 74 Resp: 132465
Ion Ratio Lower Upper
74 100
45 81.3 40.6 121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.433 ug/l

RT: 3.818 min Scan# 344

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion:101 Resp: 26753

Ion Ratio Lower Upper

101 100

85 43.4 34.4 51.6

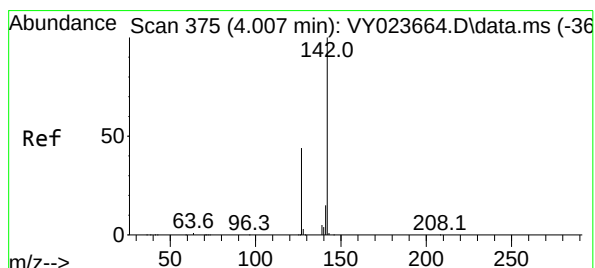
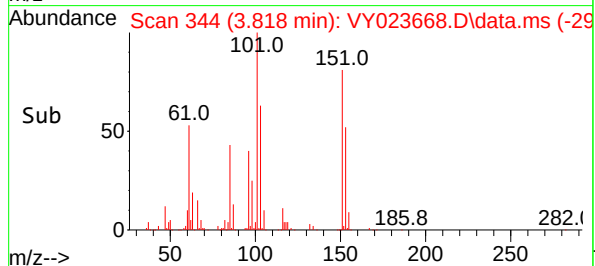
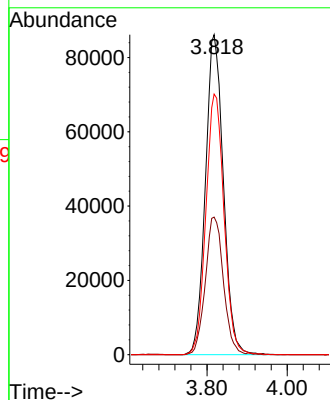
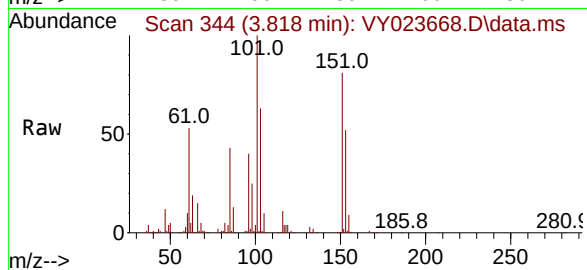
151 82.3 65.6 98.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#10

Methyl Iodide

Concen: 47.558 ug/l

RT: 4.007 min Scan# 375

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

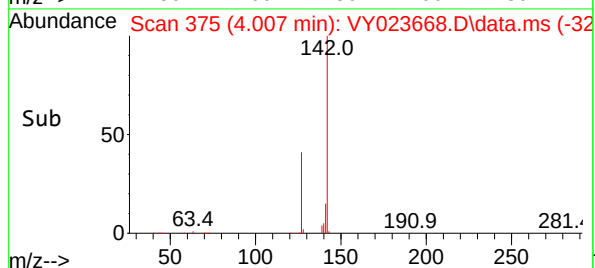
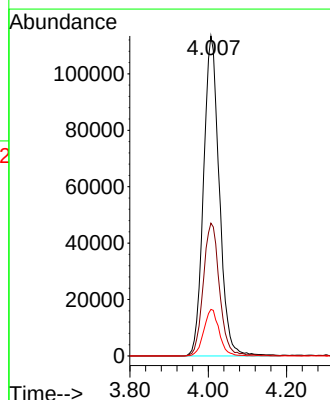
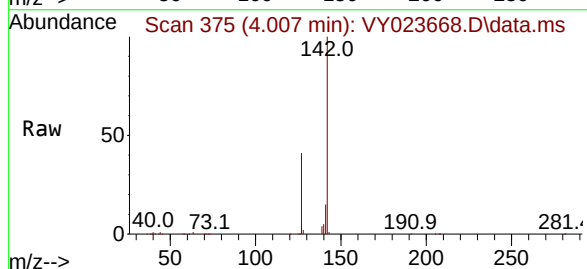
Tgt Ion:142 Resp: 316753

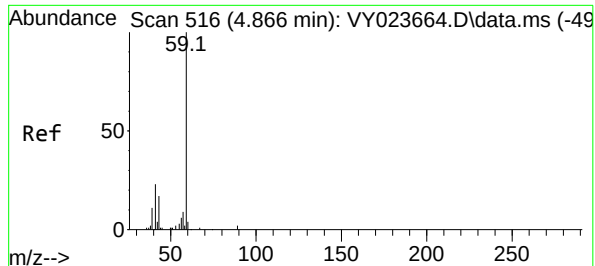
Ion Ratio Lower Upper

142 100

127 42.6 34.6 51.8

141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 224.660 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 59 Resp: 75144

Ion Ratio Lower Upper

59 100

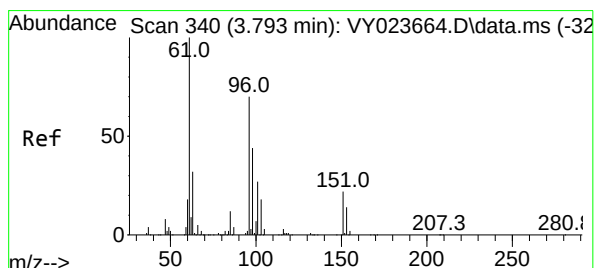
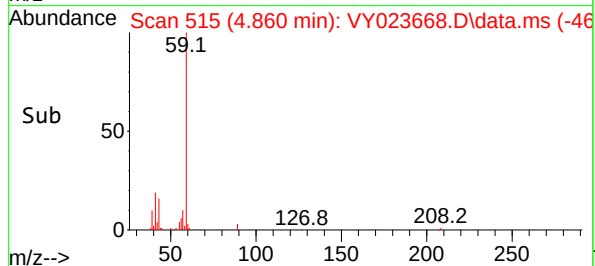
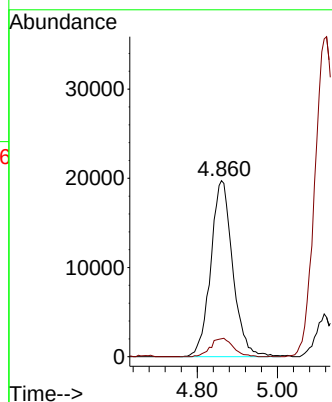
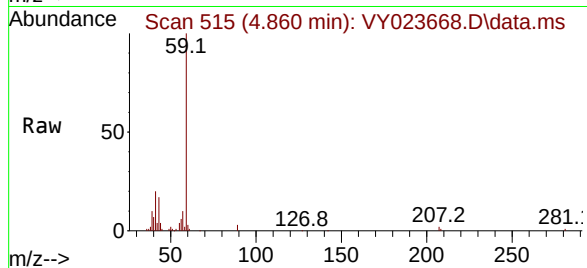
57 10.7 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#12

1,1-Dichloroethene

Concen: 48.194 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

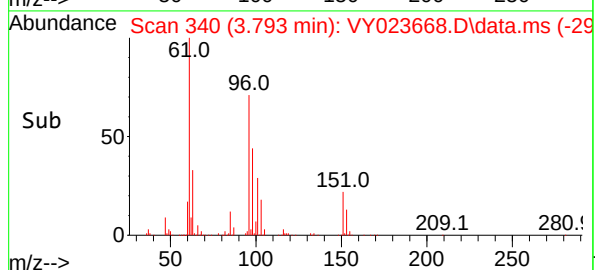
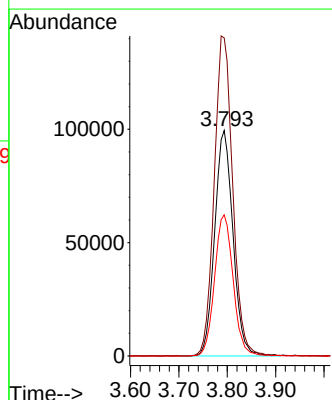
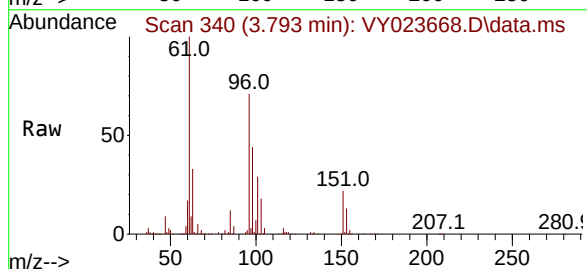
Tgt Ion: 96 Resp: 261851

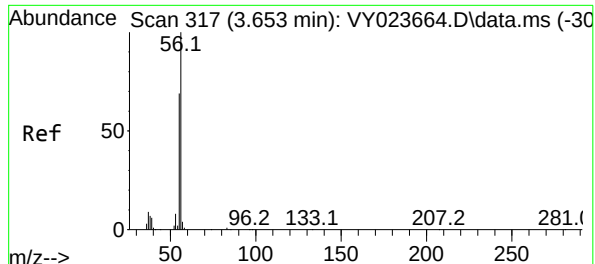
Ion Ratio Lower Upper

96 100

61 141.1 114.0 171.0

98 62.6 50.2 75.2





#13

Acrolein

Concen: 213.558 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 56 Resp: 9181

Ion Ratio Lower Upper

56 100

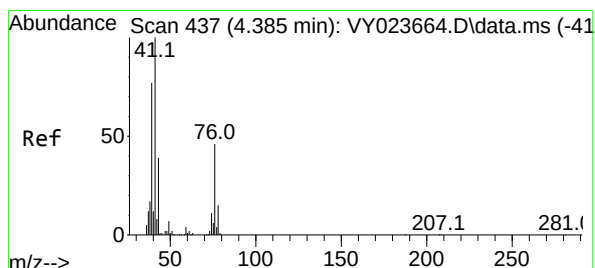
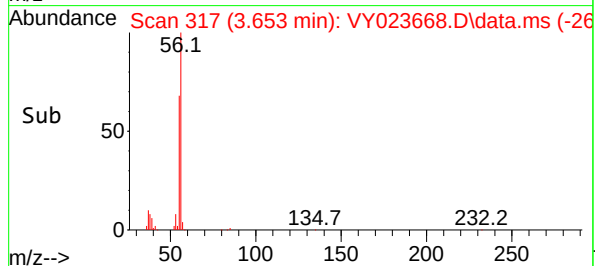
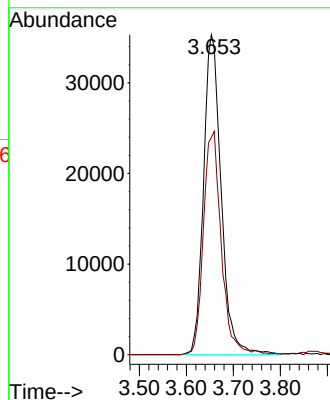
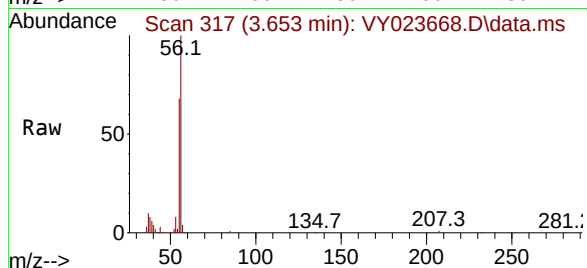
55 70.1 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#14

Allyl chloride

Concen: 50.006 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

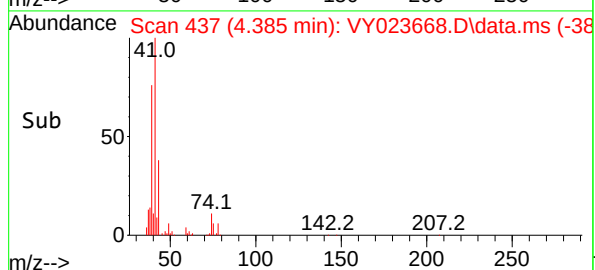
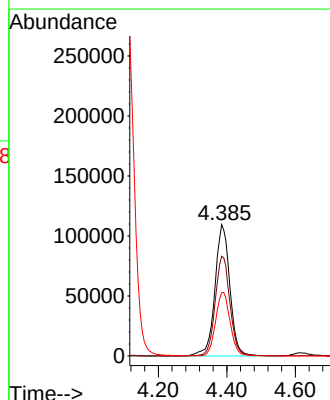
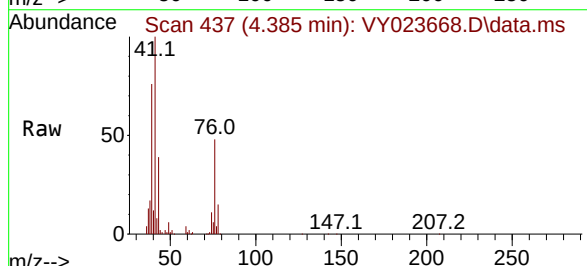
Tgt Ion: 41 Resp: 330702

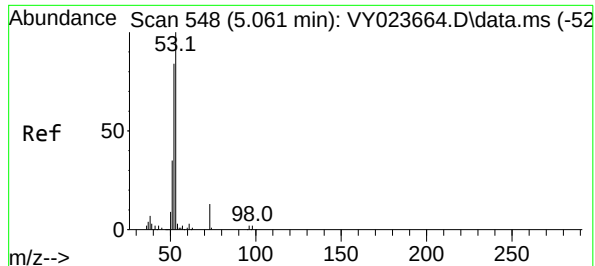
Ion Ratio Lower Upper

41 100

39 74.9 60.4 90.6

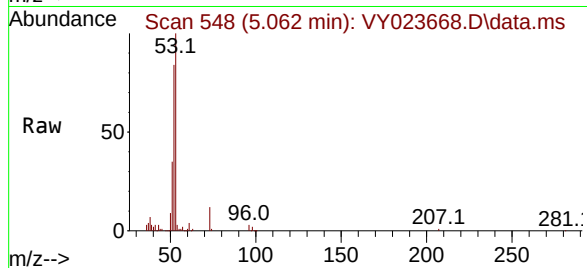
76 46.9 38.0 57.0





#15
Acrylonitrile
Concen: 245.434 ug/l
RT: 5.062 min Scan# 548
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

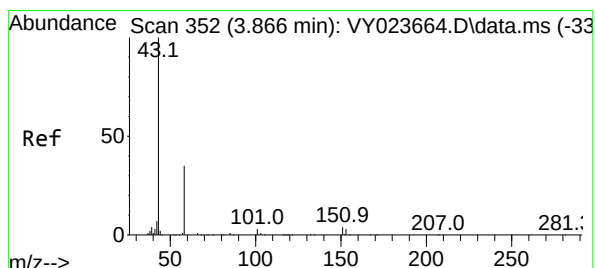
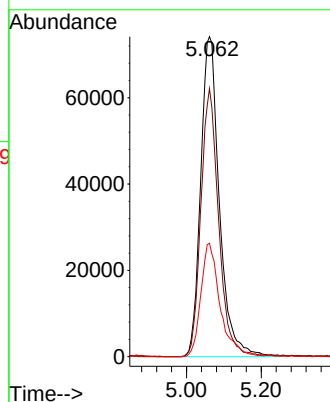
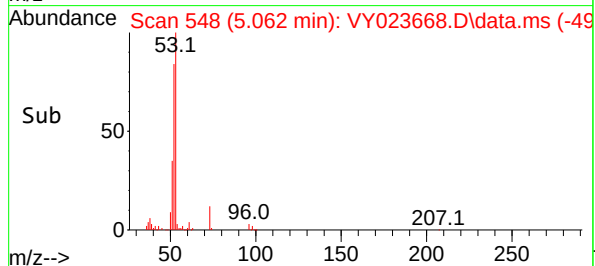
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



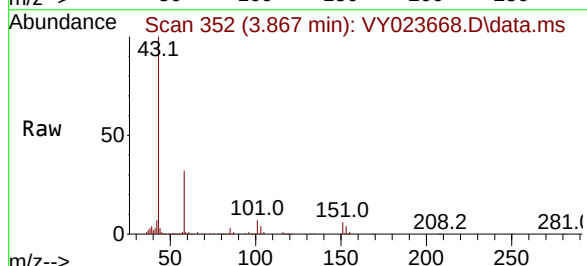
Tgt Ion: 53 Resp: 25749
Ion Ratio Lower Upper
53 100
52 79.7 64.9 97.3
51 36.4 29.4 44.0

Manual Integrations
APPROVED

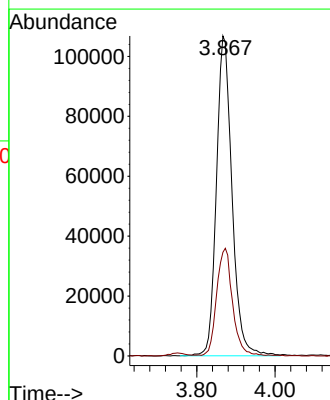
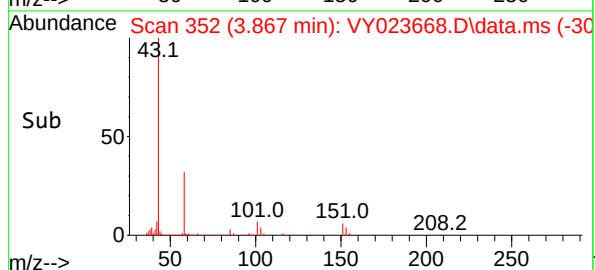
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

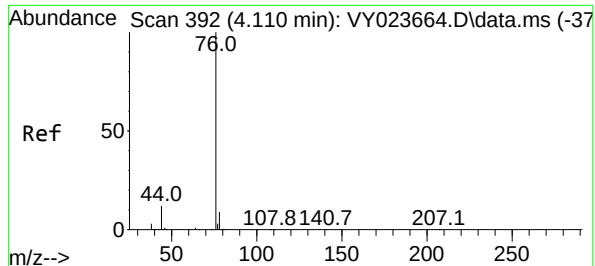


#16
Acetone
Concen: 228.644 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14



Tgt Ion: 43 Resp: 294814
Ion Ratio Lower Upper
43 100
58 32.3 28.2 42.4





#17

Carbon Disulfide

Concen: 47.235 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 76 Resp: 78769

Ion Ratio Lower Upper

76 100

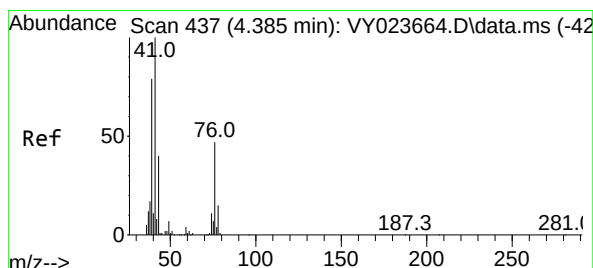
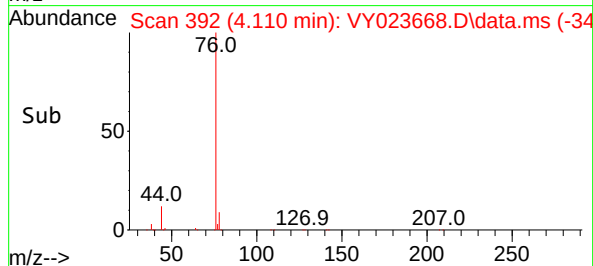
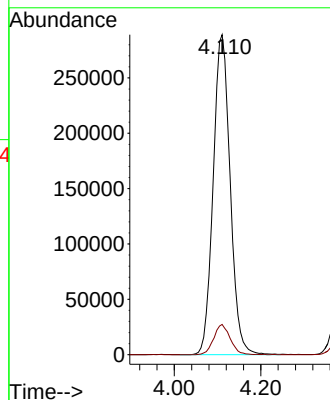
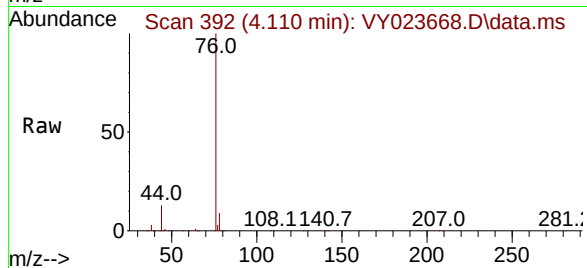
78 9.4 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#18

Methyl Acetate

Concen: 44.328 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023668.D

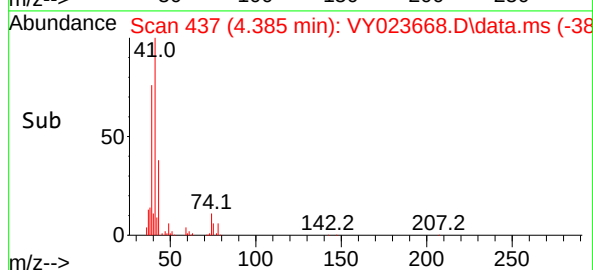
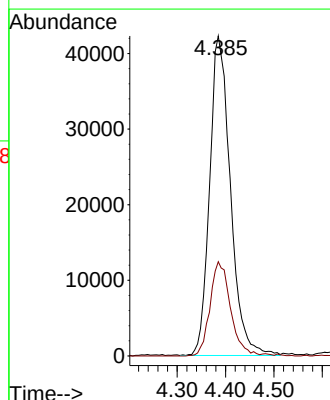
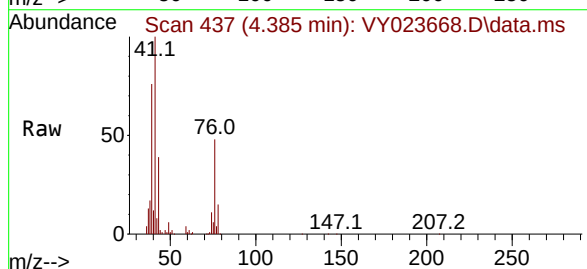
Acq: 04 Nov 2025 12:14

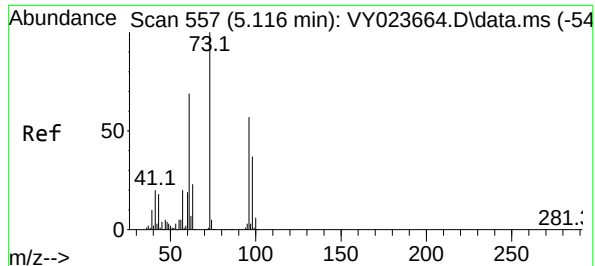
Tgt Ion: 43 Resp: 126071

Ion Ratio Lower Upper

43 100

74 29.0 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 51.062 ug/l

RT: 5.116 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 73 Resp: 643310

Ion Ratio Lower Upper

73 100

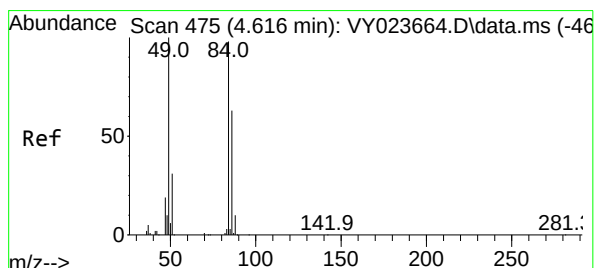
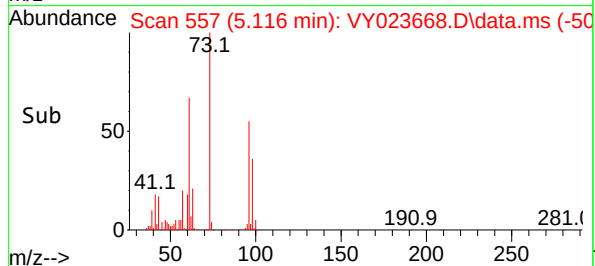
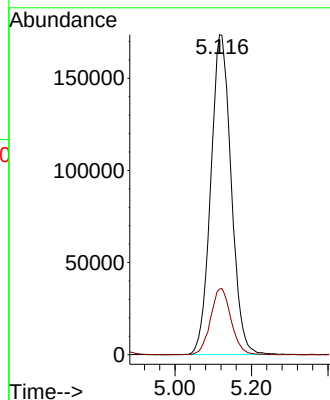
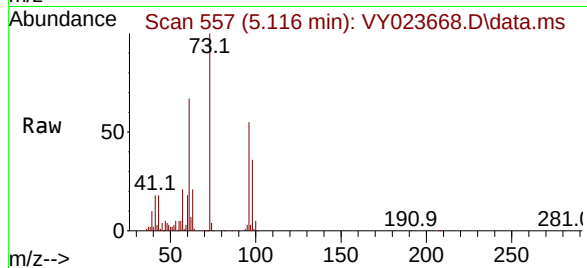
57 20.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#20

Methylene Chloride

Concen: 45.791 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Tgt Ion: 84 Resp: 285026

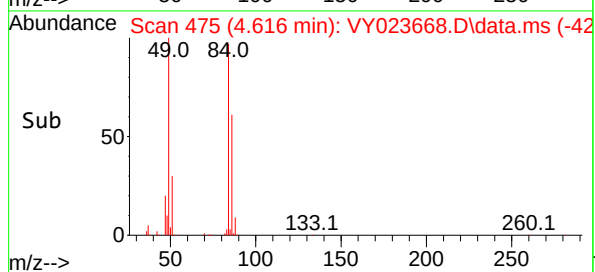
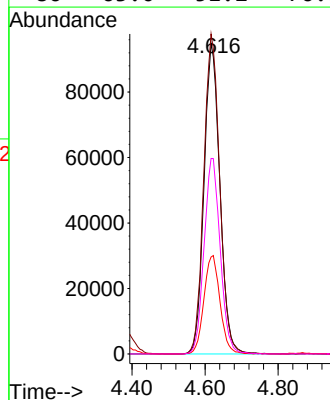
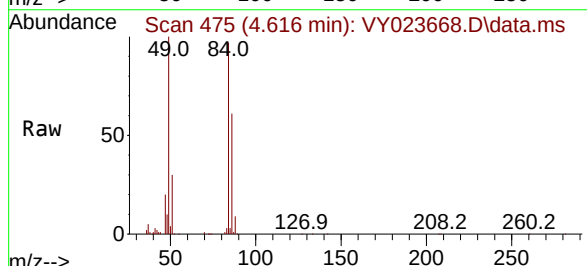
Ion Ratio Lower Upper

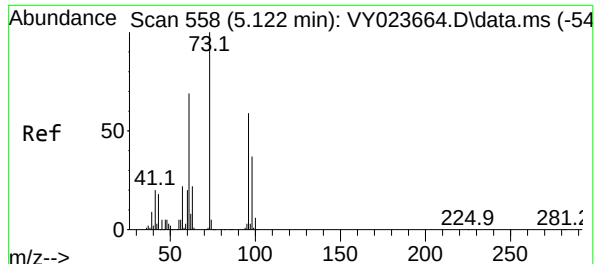
84 100

49 103.0 81.5 122.3

51 31.2 25.5 38.3

86 63.0 51.2 76.8





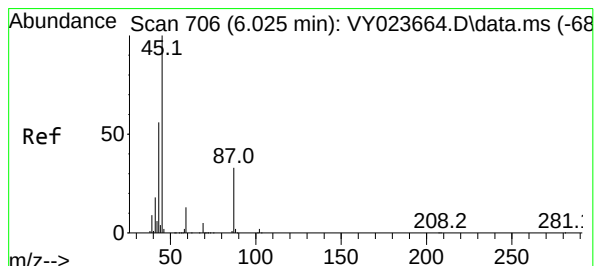
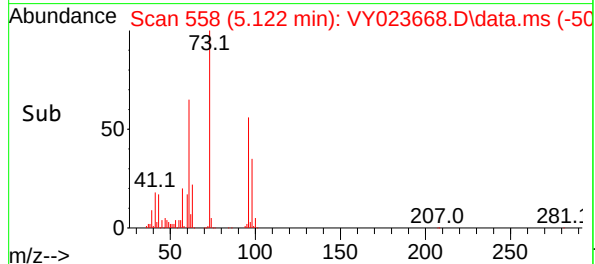
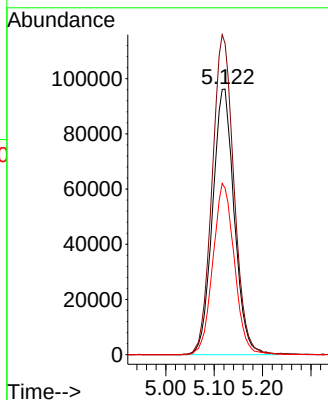
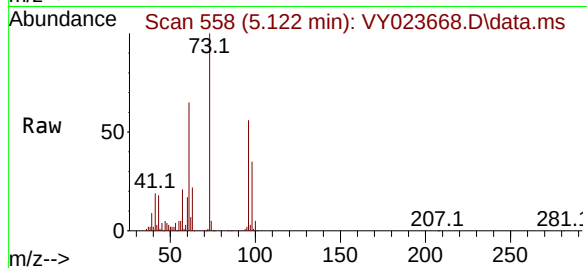
#21
trans-1,2-Dichloroethene
Concen: 49.048 ug/l
RT: 5.122 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Tgt Ion: 96 Resp: 30047
Ion Ratio Lower Upper
96 100
61 117.1 93.3 139.9
98 62.6 50.6 75.8

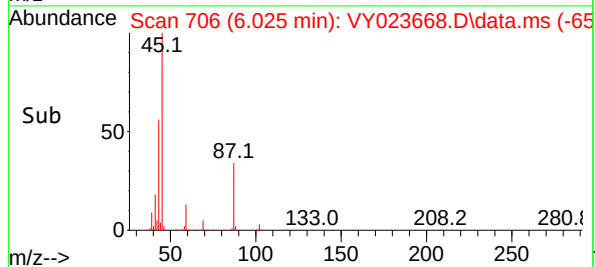
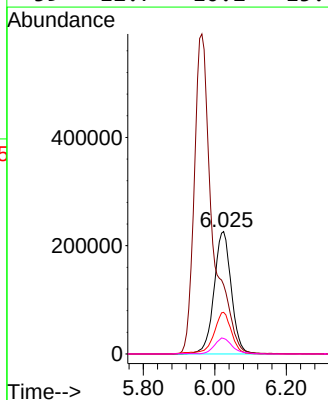
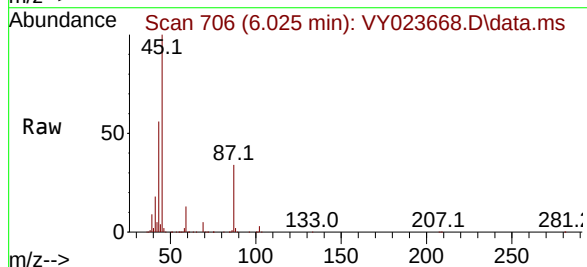
Manual Integrations
APPROVED

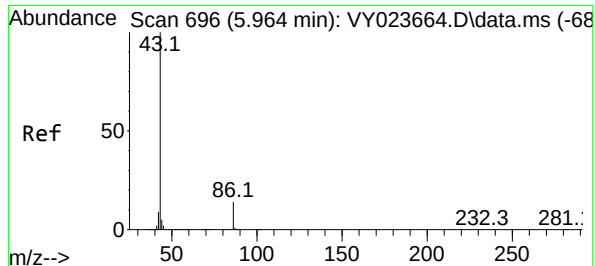
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#22
Diisopropyl ether
Concen: 51.273 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 45 Resp: 755561
Ion Ratio Lower Upper
45 100
43 56.2 44.7 67.1
87 34.0 27.2 40.8
59 12.7 10.2 15.4





#23

Vinyl Acetate

Concen: 264.163 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 43 Resp: 207732

Ion Ratio Lower Upper

43

100

86

13.7

10.9

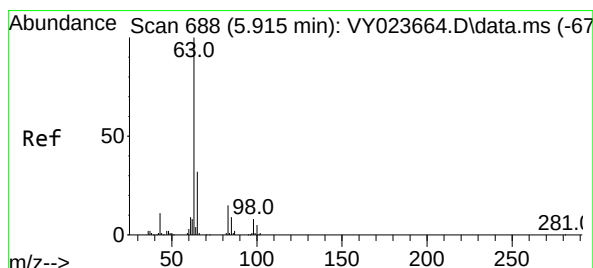
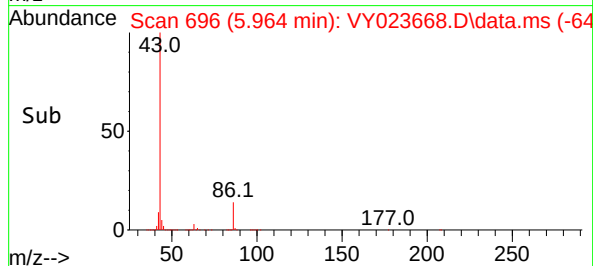
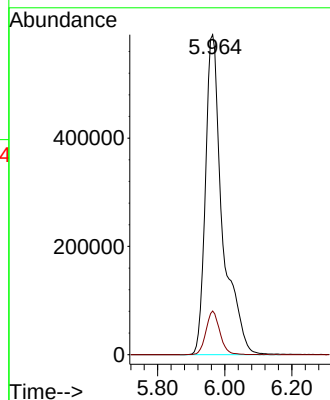
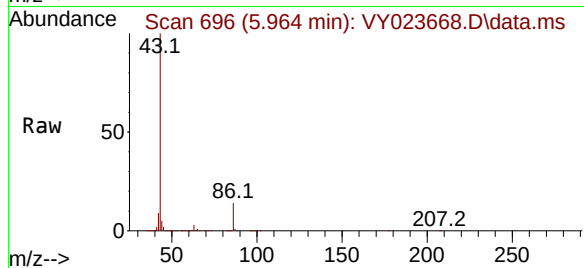
16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#24

1,1-Dichloroethane

Concen: 48.064 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Tgt Ion: 63 Resp: 471845

Ion Ratio Lower Upper

63

100

98

8.2

4.0

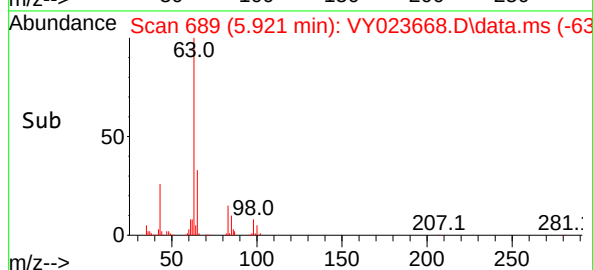
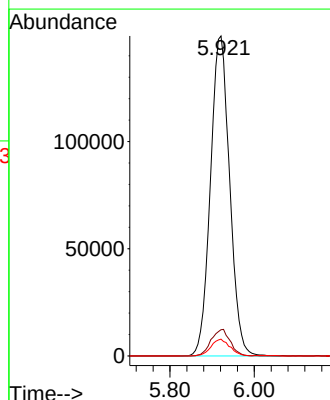
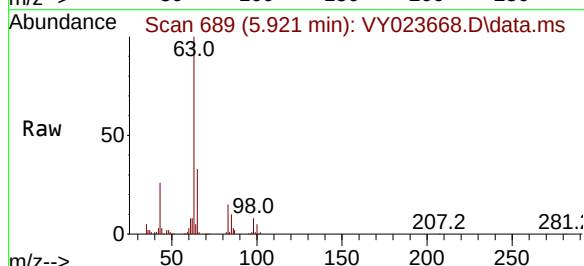
11.9

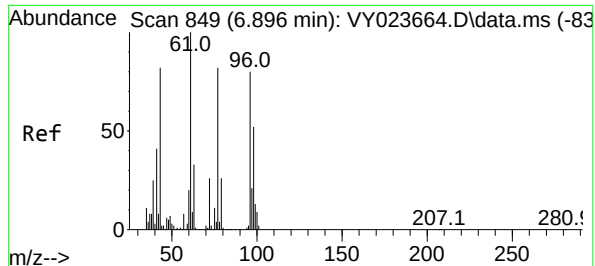
100

5.3

2.6

7.8





#25

2-Butanone

Concen: 236.507 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 43 Resp: 35258

Ion Ratio Lower Upper

43 100

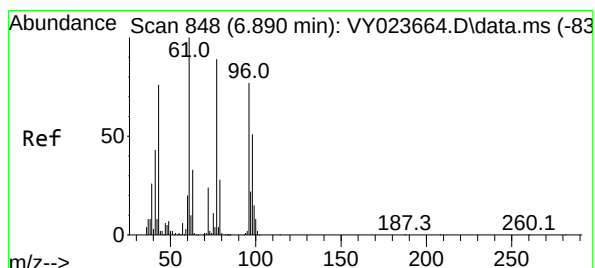
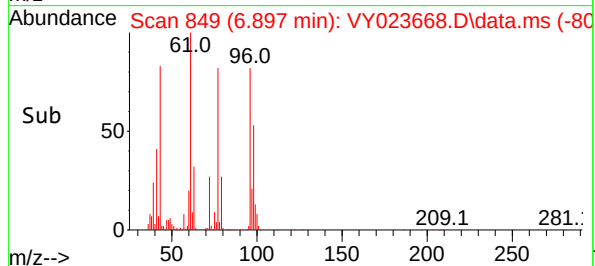
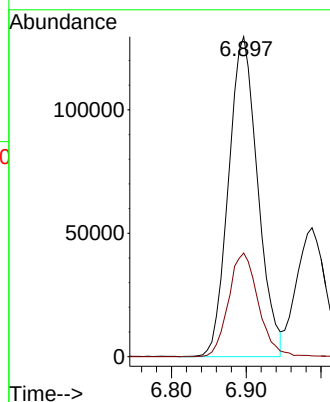
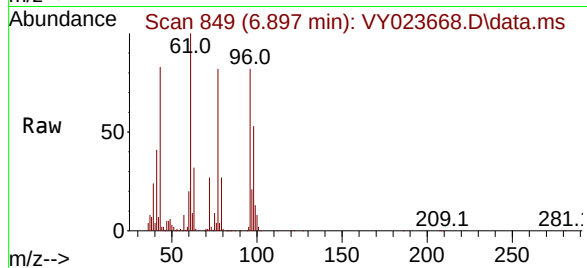
72 32.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#26

2,2-Dichloropropane

Concen: 48.402 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023668.D

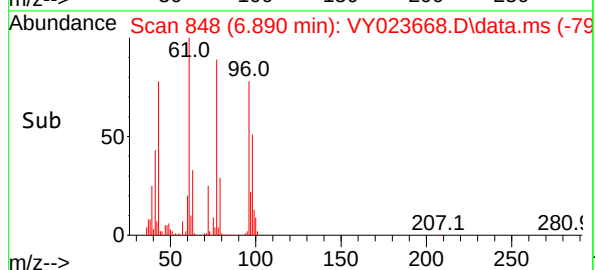
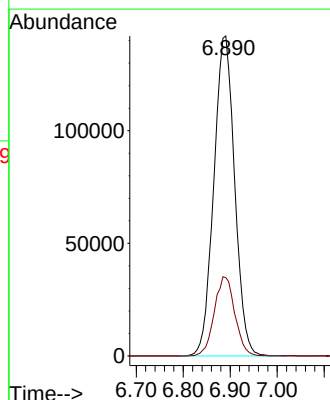
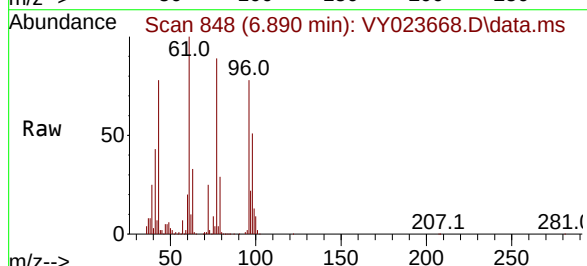
Acq: 04 Nov 2025 12:14

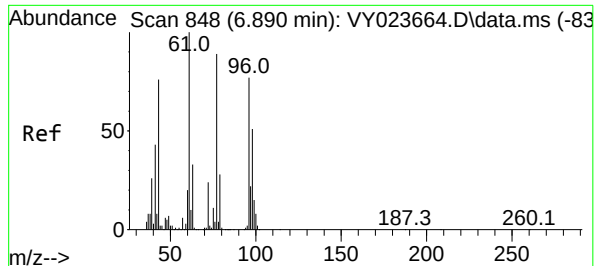
Tgt Ion: 77 Resp: 437078

Ion Ratio Lower Upper

77 100

97 24.5 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 49.682 ug/l

RT: 6.897 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 96 Resp: 34760

Ion Ratio Lower Upper

96 100

61 128.3 0.0 255.0

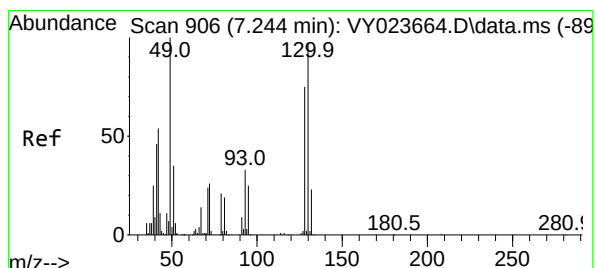
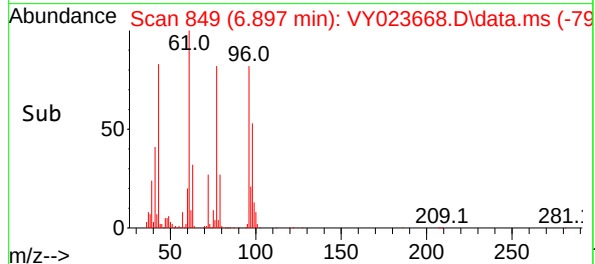
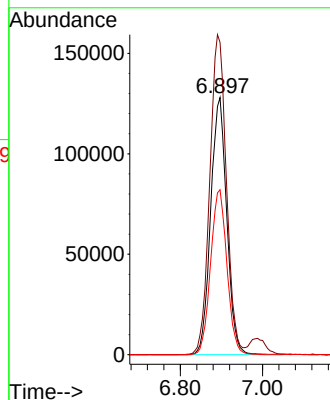
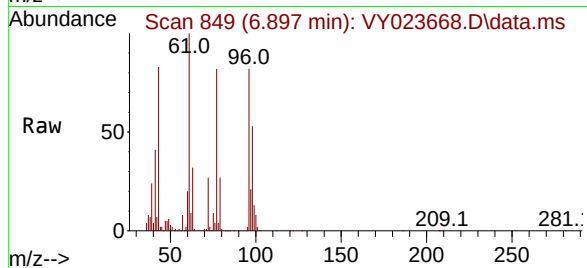
98 65.1 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#28

Bromochloromethane

Concen: 46.849 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

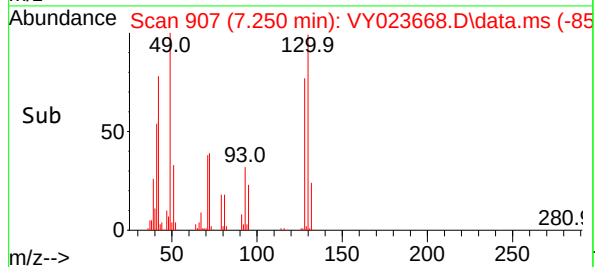
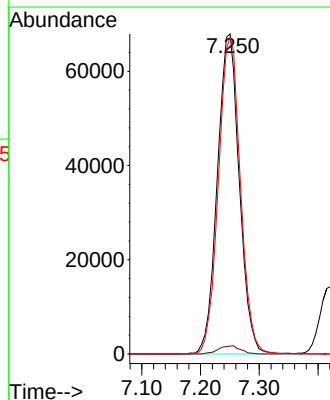
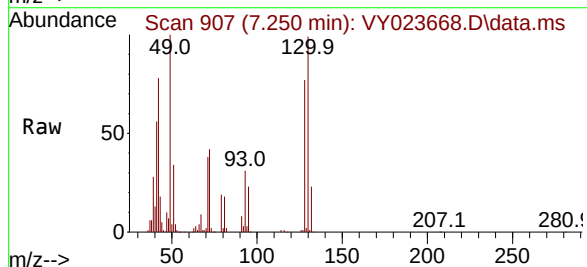
Tgt Ion: 49 Resp: 176101

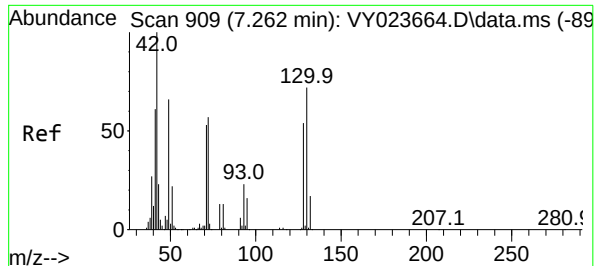
Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.0

130 98.8 80.1 120.1





#29

Tetrahydrofuran

Concen: 250.229 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 42 Resp: 19866

Ion Ratio Lower Upper

42 100

72 54.9 43.4 65.2

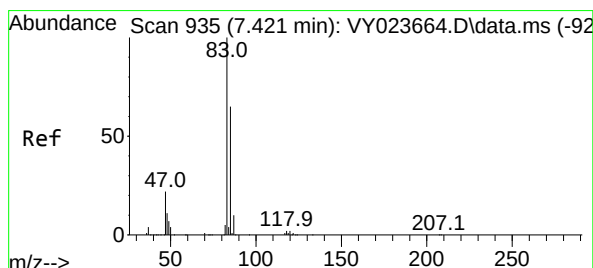
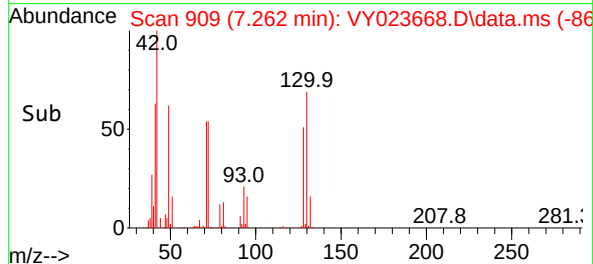
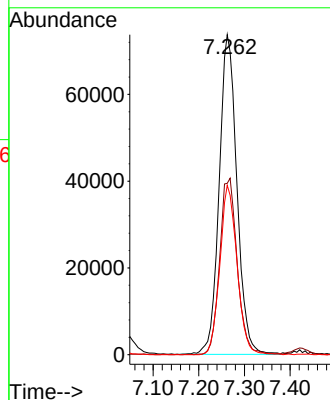
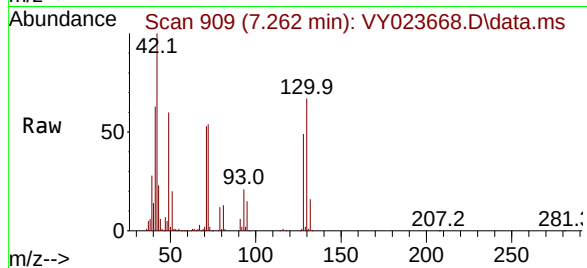
71 51.4 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Chloroform

Concen: 47.888 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023668.D

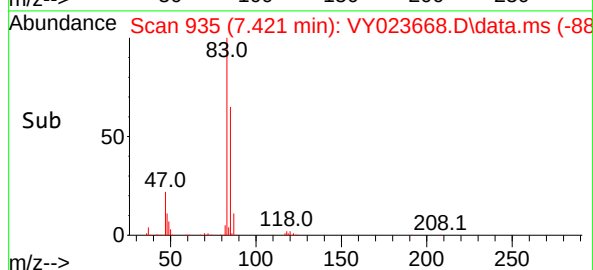
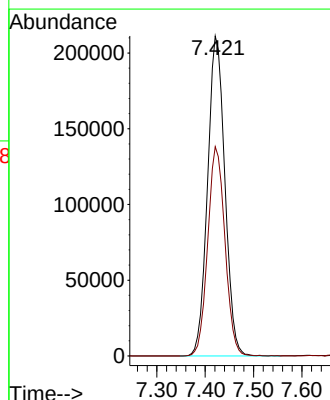
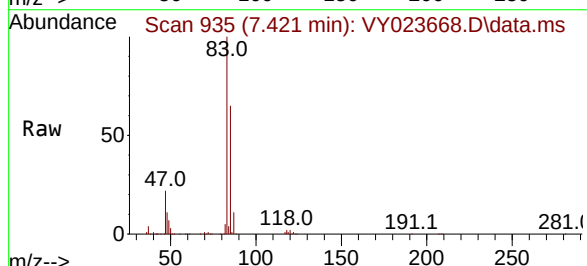
Acq: 04 Nov 2025 12:14

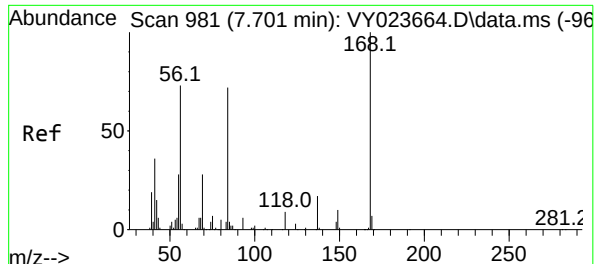
Tgt Ion: 83 Resp: 524526

Ion Ratio Lower Upper

83 100

85 65.4 52.1 78.1





#31

Cyclohexane

Concen: 48.520 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 56 Resp: 41480

Ion Ratio Lower Upper

56 100

69 36.0 30.5 45.7

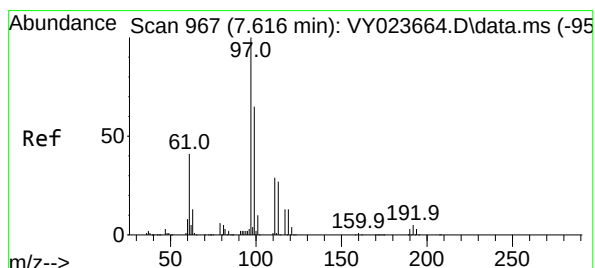
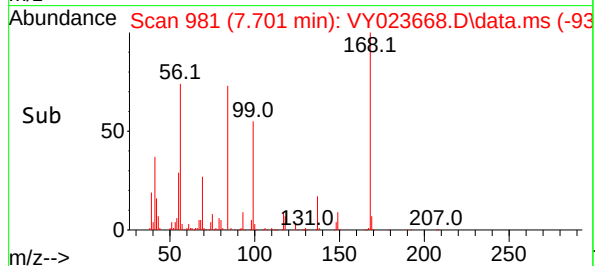
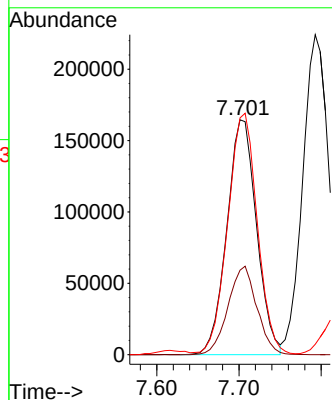
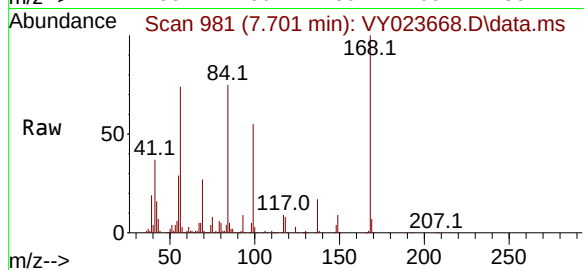
84 99.5 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#32

1,1,1-Trichloroethane

Concen: 48.137 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

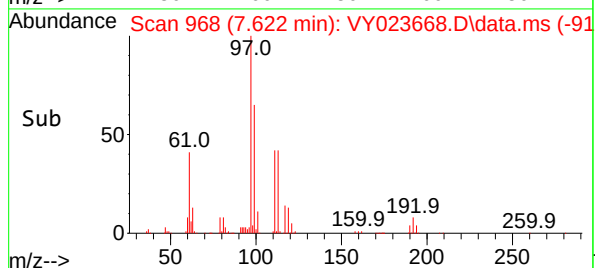
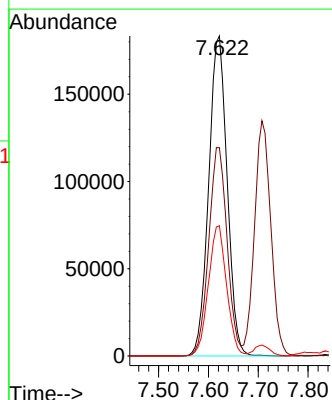
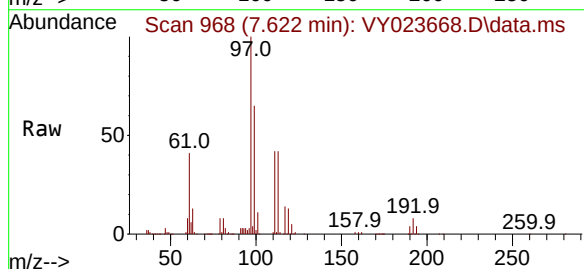
Tgt Ion: 97 Resp: 471242

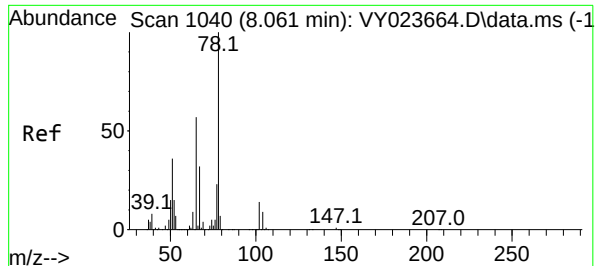
Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

61 40.4 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 46.805 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 65 Resp: 24279

Ion Ratio Lower Upper

65 100

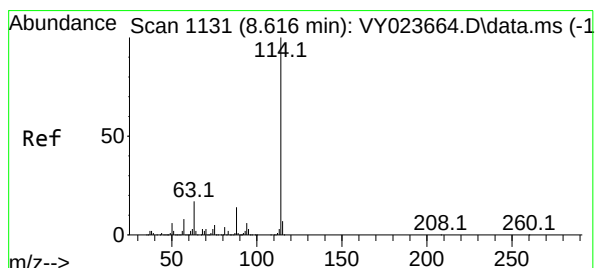
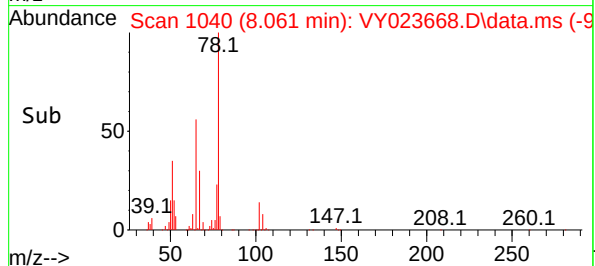
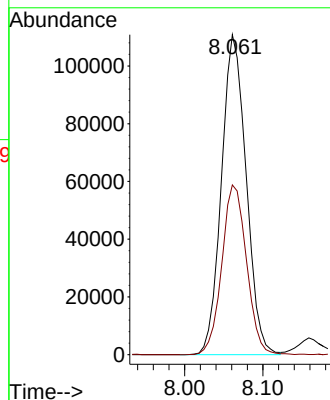
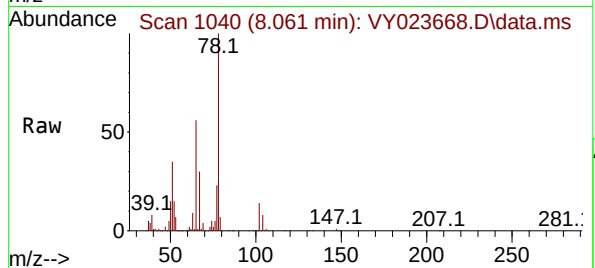
67 53.2 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

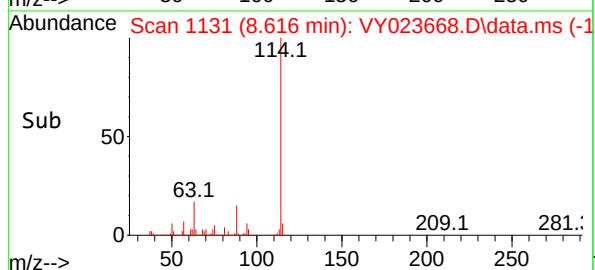
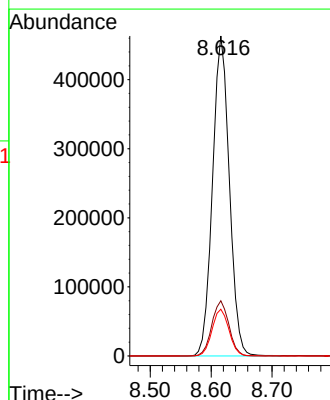
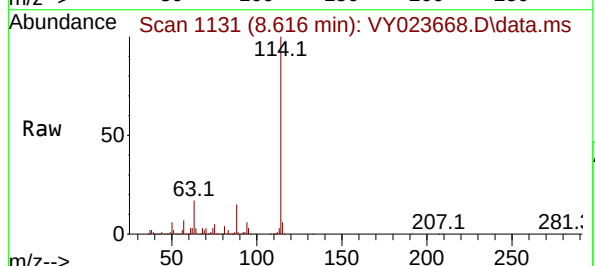
Tgt Ion:114 Resp: 888282

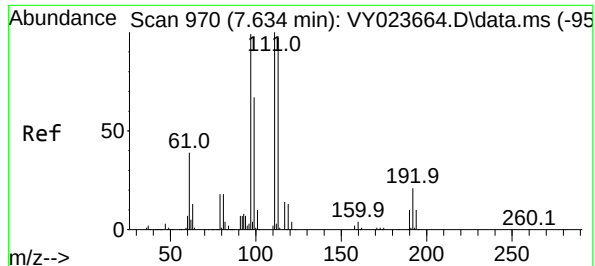
Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.291 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion:113 Resp: 268074

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

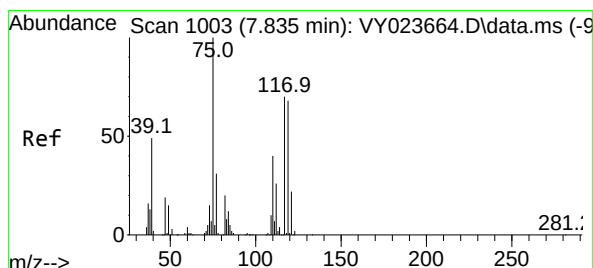
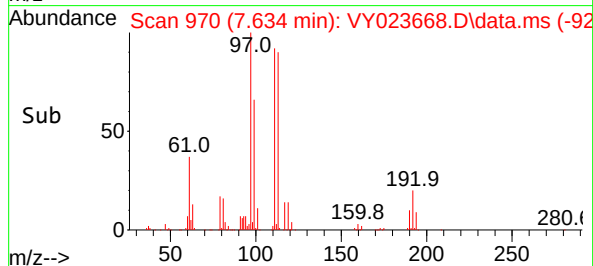
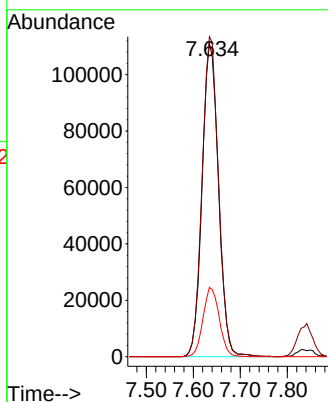
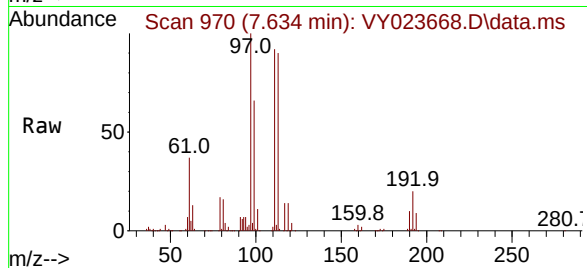
192 21.9 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

1,1-Dichloropropene

Concen: 49.878 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

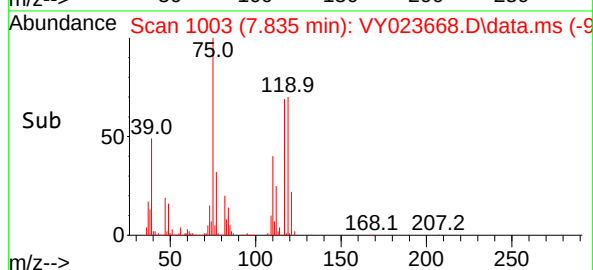
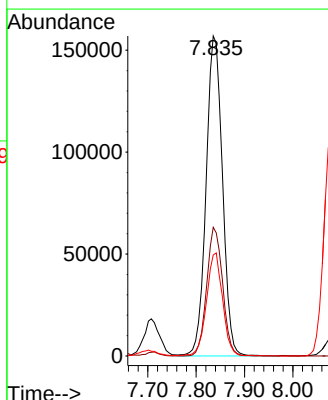
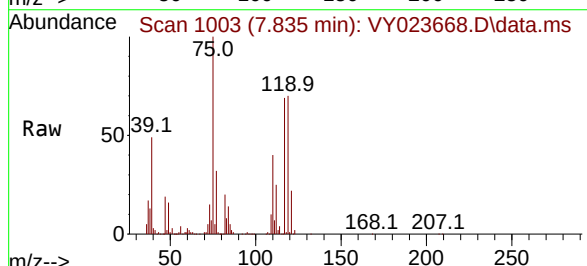
Tgt Ion: 75 Resp: 369989

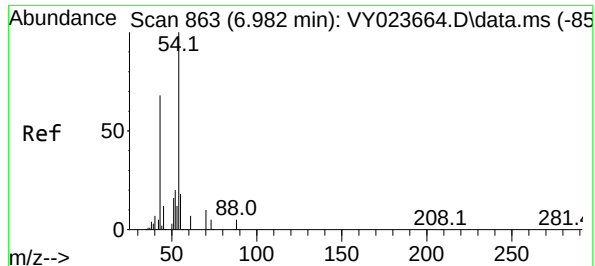
Ion Ratio Lower Upper

75 100

110 39.0 19.7 59.0

77 31.5 25.2 37.8





#37

Ethyl Acetate

Concen: 50.997 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023668.D

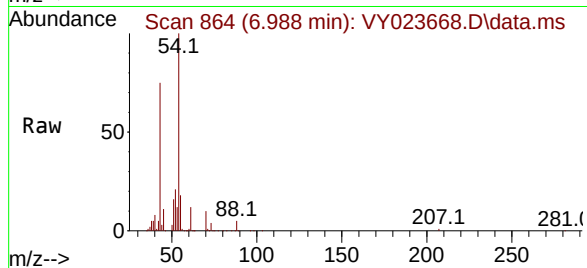
Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425



Tgt Ion: 43 Resp: 14644

Ion Ratio Lower Upper

43 100

61 15.8 12.4 18.6

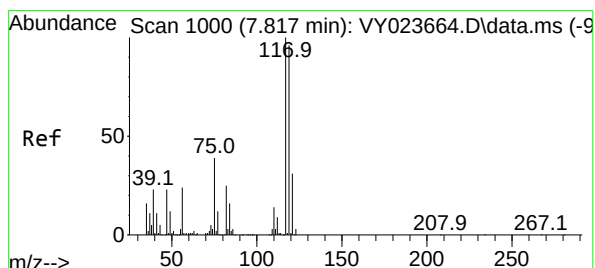
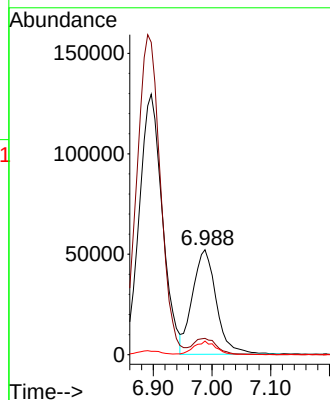
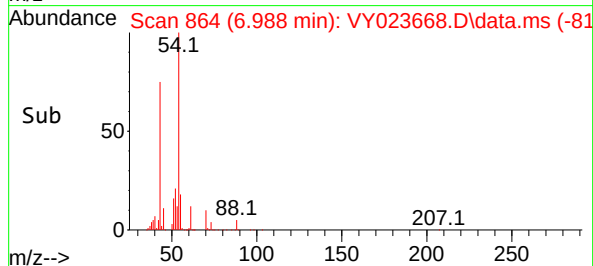
70 11.5 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#38

Carbon Tetrachloride

Concen: 49.462 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

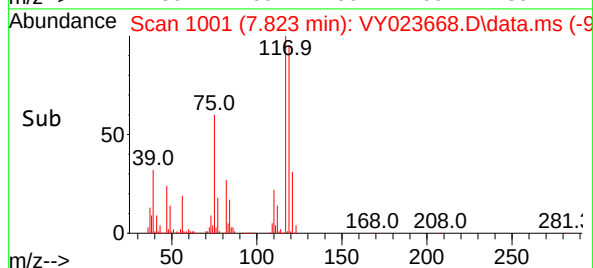
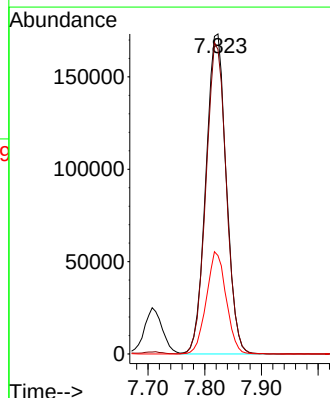
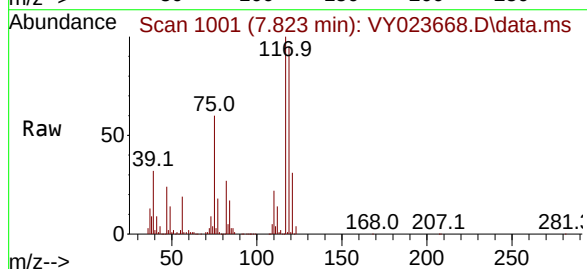
Tgt Ion:117 Resp: 432288

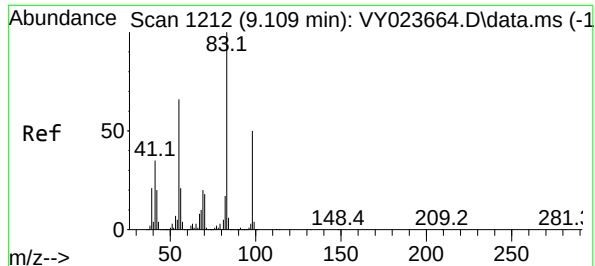
Ion Ratio Lower Upper

117 100

119 95.2 76.3 114.5

121 30.7 24.8 37.2





#39

Methylcyclohexane

Concen: 52.876 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 83 Resp: 50116

Ion Ratio Lower Upper

83 100

55 67.7 52.6 78.8

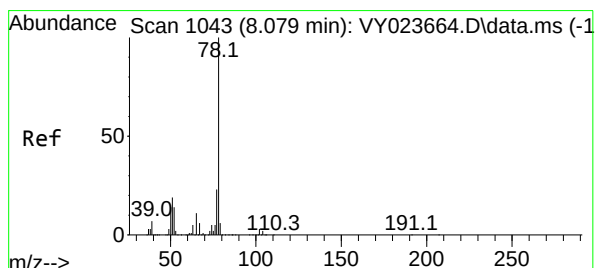
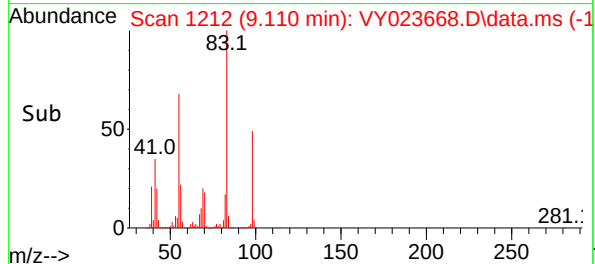
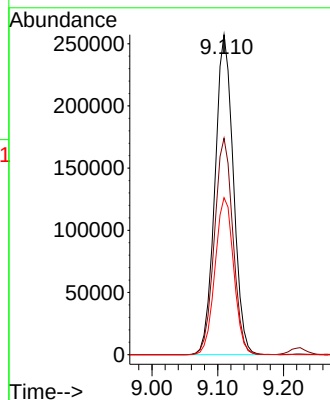
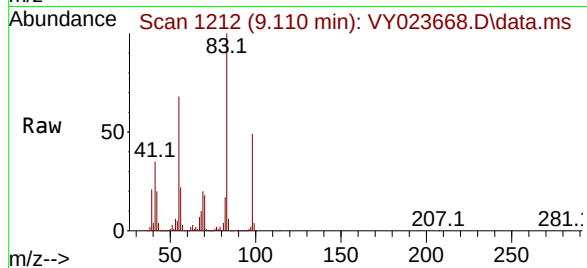
98 49.0 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

Benzene

Concen: 49.773 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023668.D

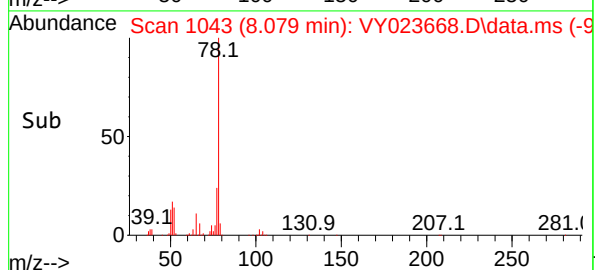
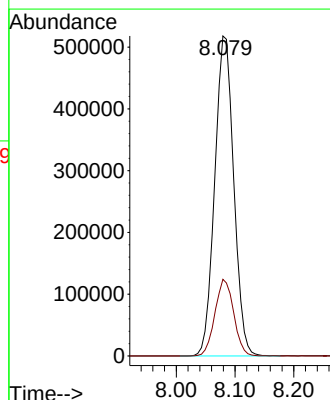
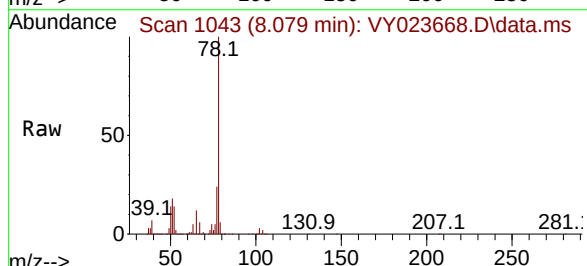
Acq: 04 Nov 2025 12:14

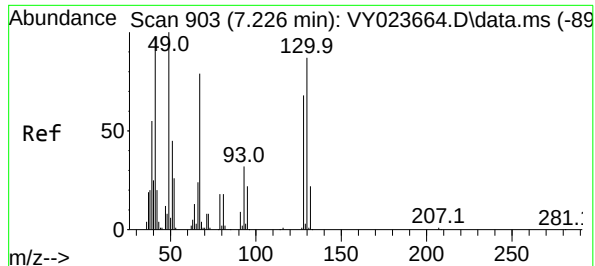
Tgt Ion: 78 Resp: 1163766

Ion Ratio Lower Upper

78 100

77 23.9 18.8 28.2





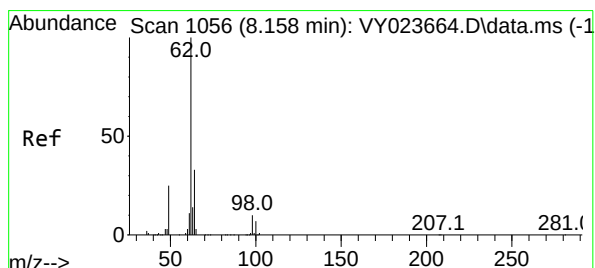
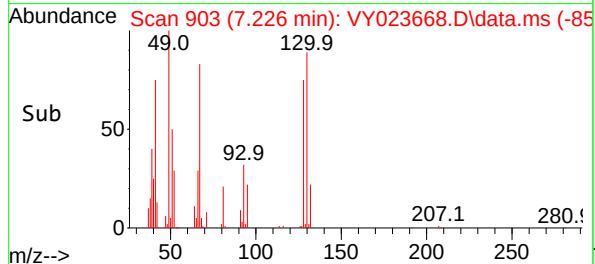
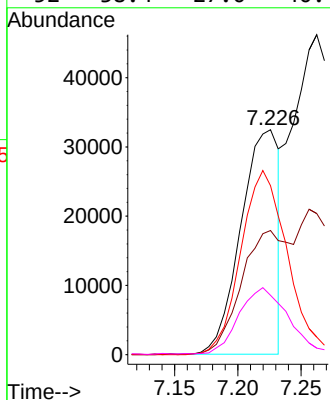
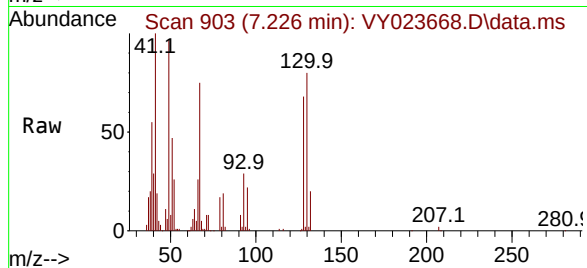
#41
Methacrylonitrile
Concen: 43.412 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVY110425

Tgt Ion: 41 Resp: 68040
Ion Ratio Lower Upper
41 100
39 72.7 38.6 57.8
67 101.3 71.3 106.9
52 38.4 27.0 40.4

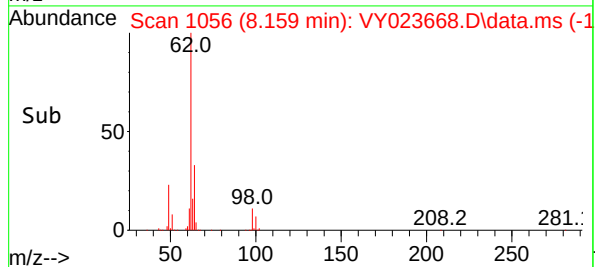
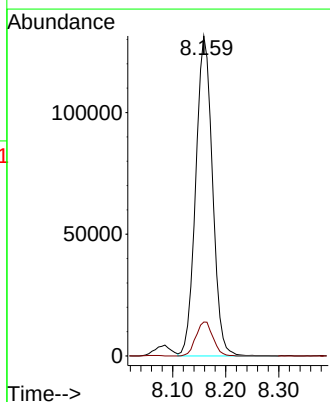
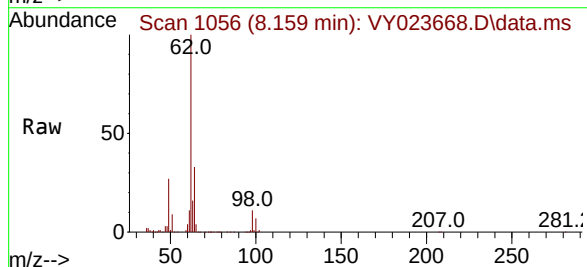
Manual Integrations
APPROVED

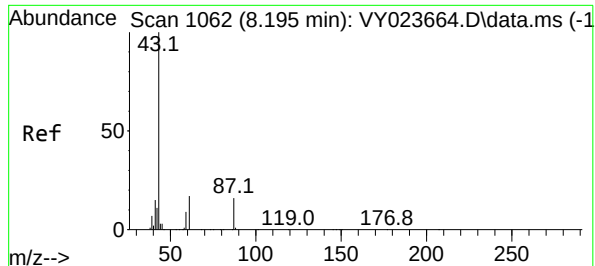
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#42
1,2-Dichloroethane
Concen: 48.630 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 62 Resp: 287665
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.0





#43

Isopropyl Acetate

Concen: 51.490 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 43 Resp: 277810

Ion Ratio Lower Upper

43 100

61 33.2 18.2 27.2

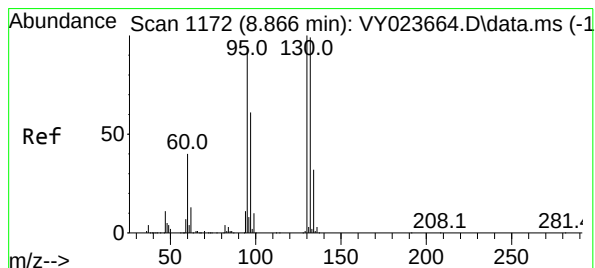
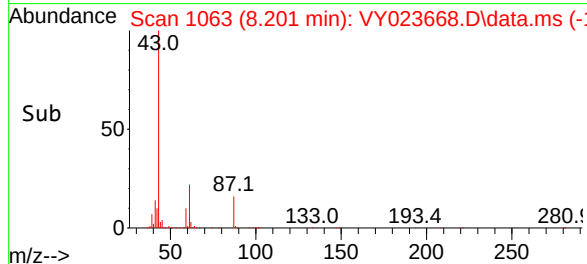
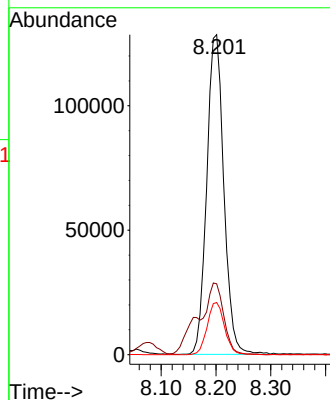
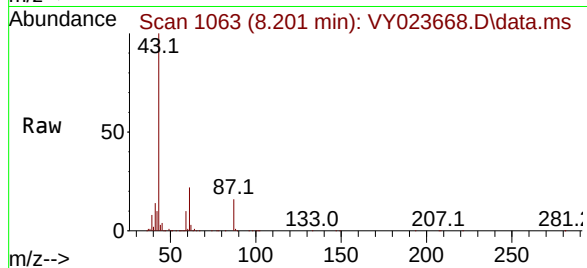
87 16.5 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#44

Trichloroethene

Concen: 48.741 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023668.D

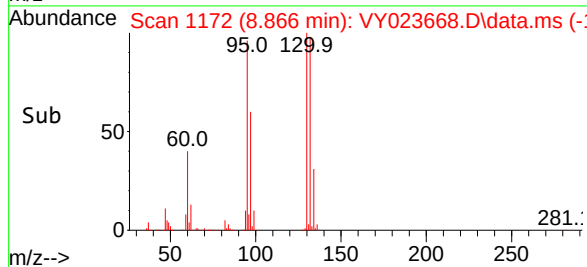
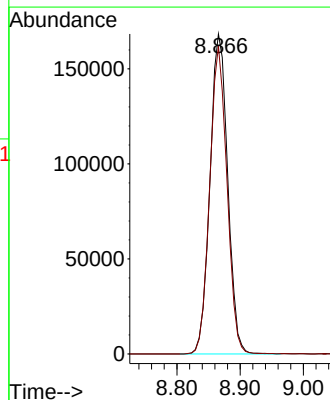
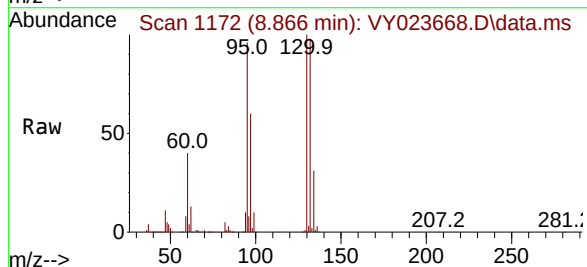
Acq: 04 Nov 2025 12:14

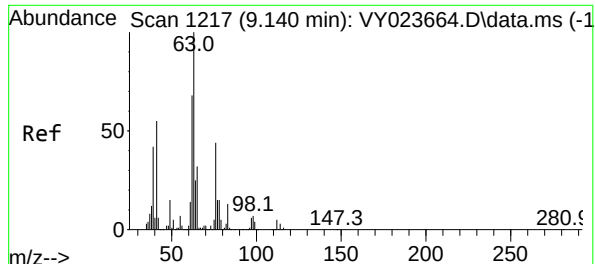
Tgt Ion:130 Resp: 327327

Ion Ratio Lower Upper

130 100

95 96.2 0.0 187.0





#45

1,2-Dichloropropane

Concen: 49.835 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 63 Resp: 25716

Ion Ratio Lower Upper

63 100

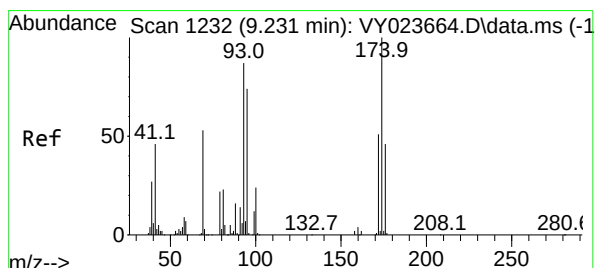
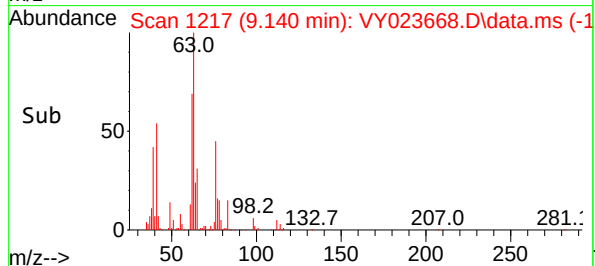
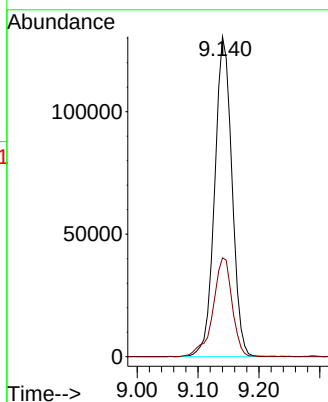
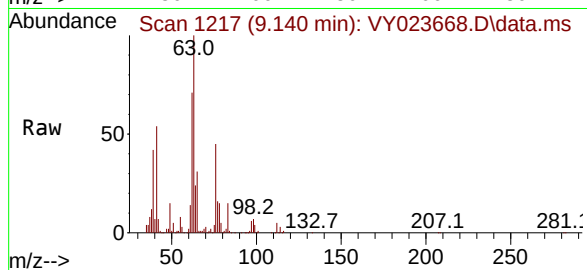
65 30.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#46

Dibromomethane

Concen: 49.780 ug/l

RT: 9.232 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

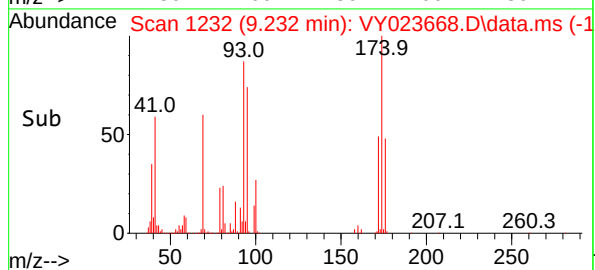
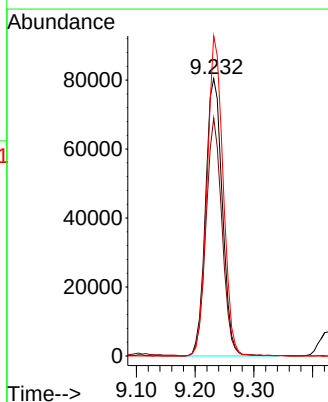
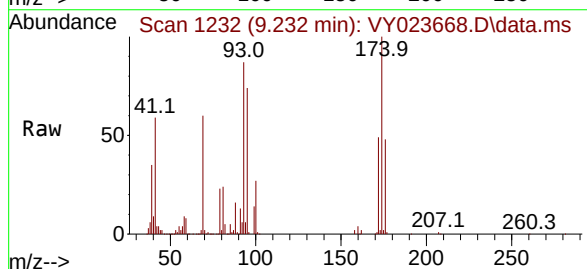
Tgt Ion: 93 Resp: 159165

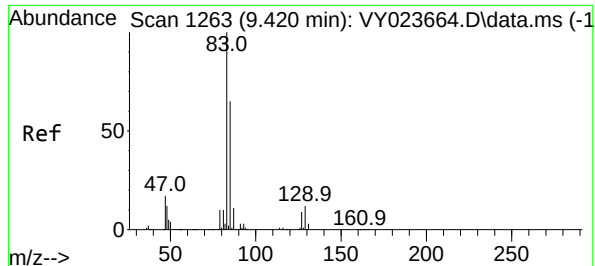
Ion Ratio Lower Upper

93 100

95 81.9 67.4 101.2

174 110.6 89.4 134.0





#47

Bromodichloromethane

Concen: 49.512 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 83 Resp: 39913

Ion Ratio Lower Upper

83 100

85 64.8 52.1 78.1

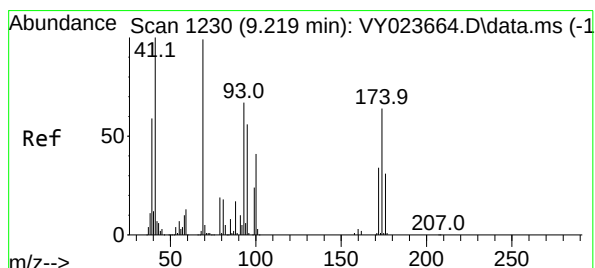
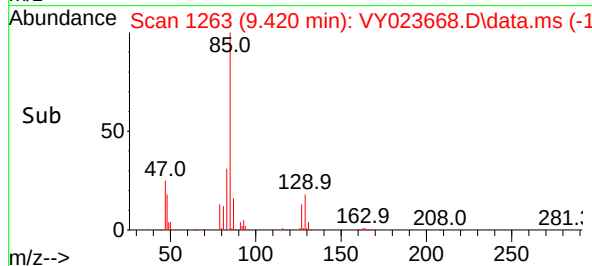
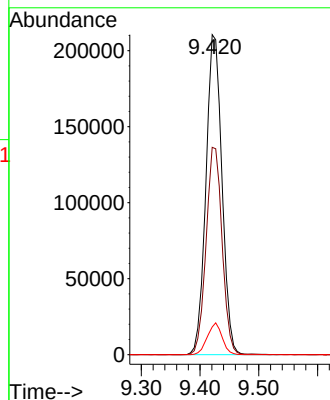
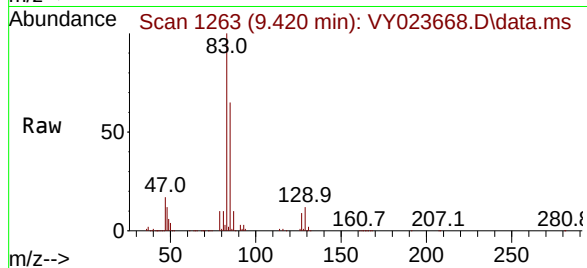
127 8.7 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#48

Methyl methacrylate

Concen: 53.056 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

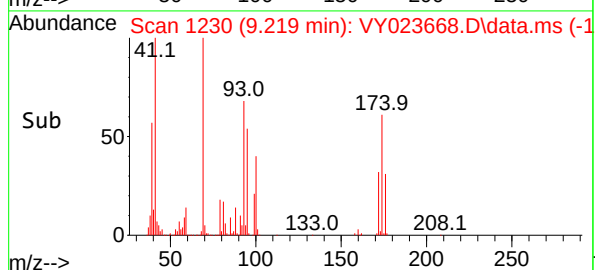
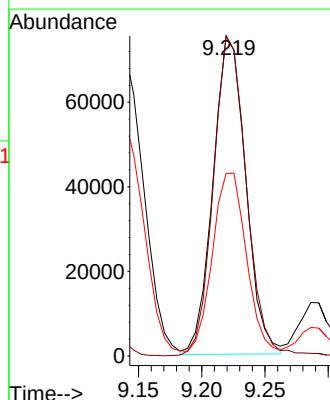
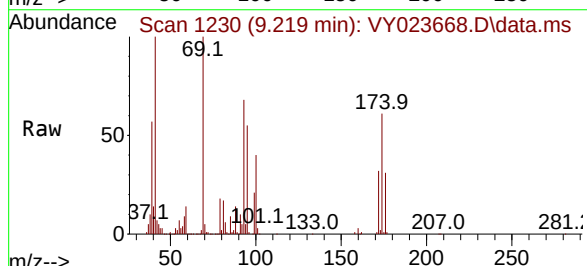
Tgt Ion: 41 Resp: 135247

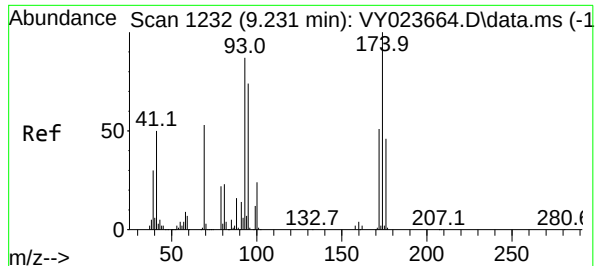
Ion Ratio Lower Upper

41 100

69 101.2 80.2 120.2

39 57.7 47.4 71.0





#49

1,4-Dioxane

Concen: 1001.883 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

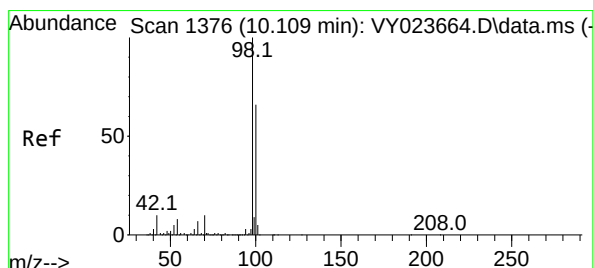
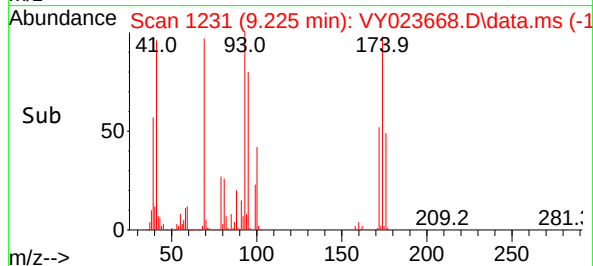
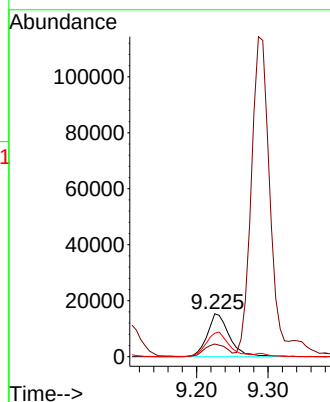
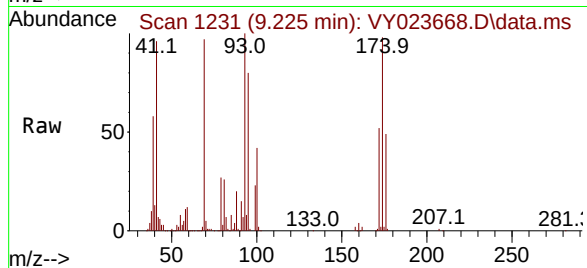
Tgt Ion:	88	Resp:	3278
Ion	Ratio	Lower	Upper
88	100		
43	27.9	22.0	33.0
58	59.8	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 50.309 ug/l

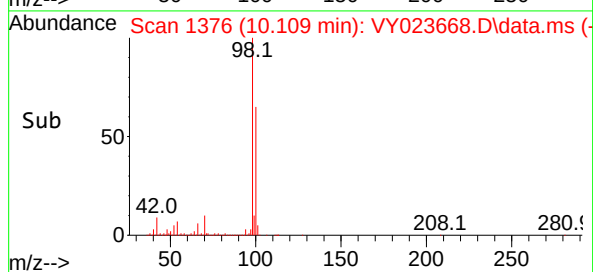
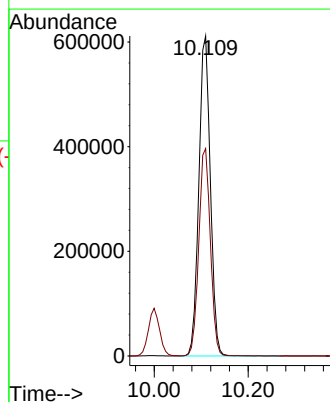
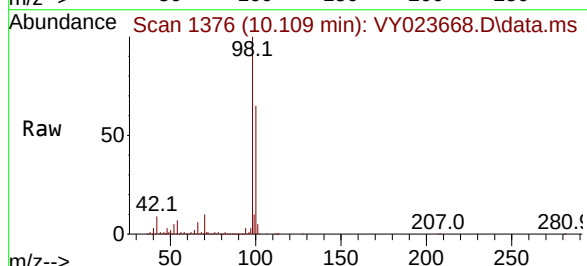
RT: 10.109 min Scan# 1376

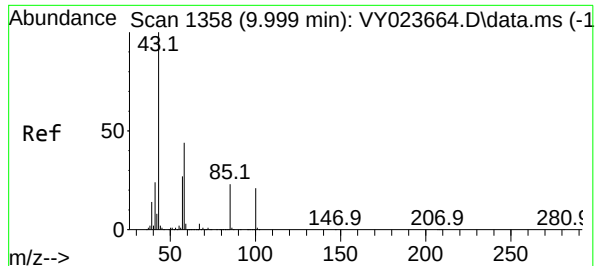
Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Tgt Ion:	98	Resp:	1040318
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 257.714 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion: 43 Resp: 73946

Ion Ratio Lower Upper

43 100

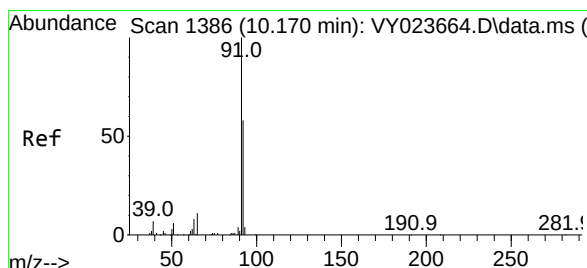
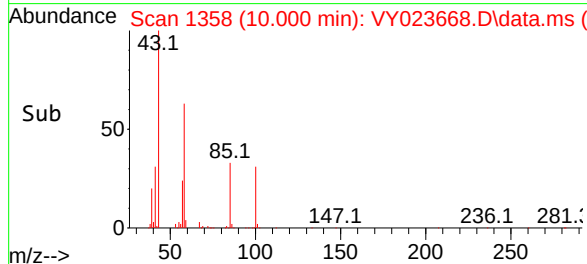
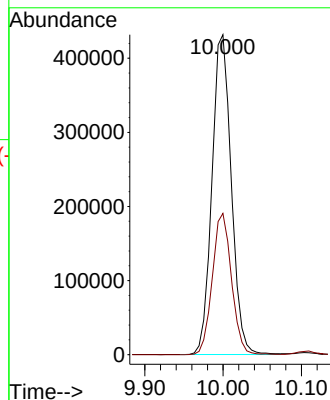
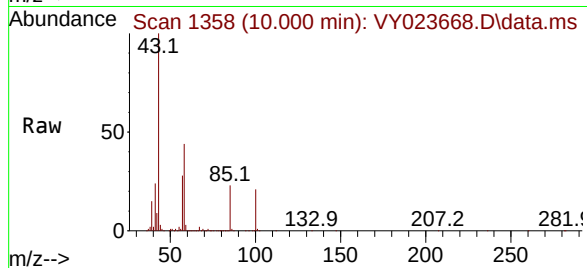
58 43.8 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#52

Toluene

Concen: 51.540 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY023668.D

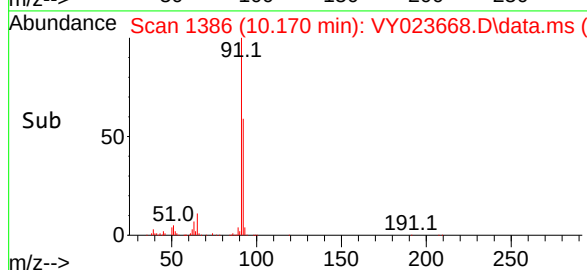
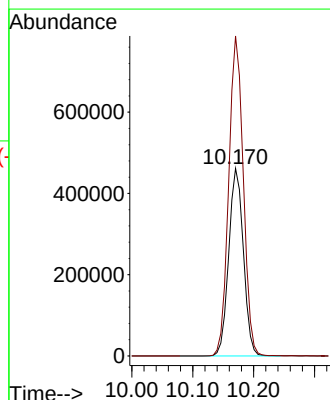
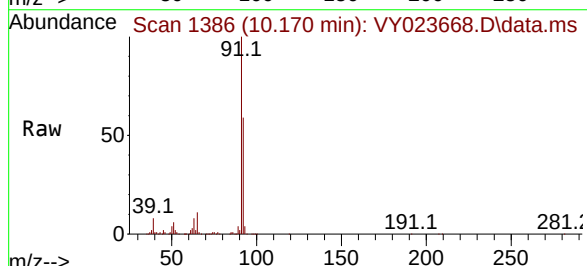
Acq: 04 Nov 2025 12:14

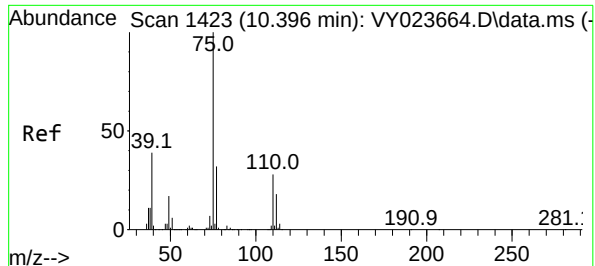
Tgt Ion: 92 Resp: 769370

Ion Ratio Lower Upper

92 100

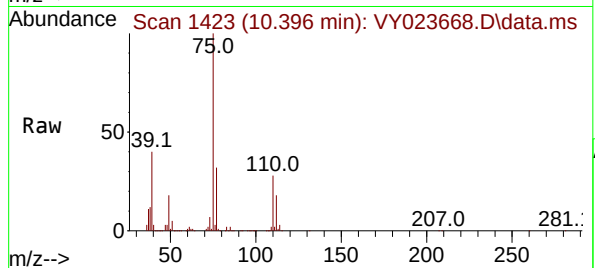
91 170.0 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 51.286 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

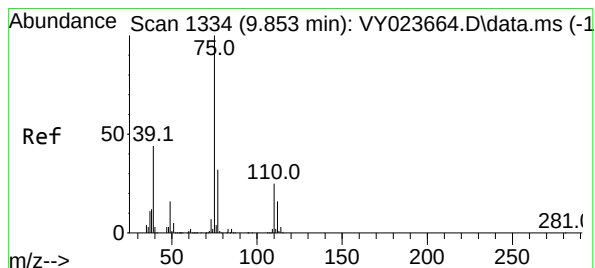
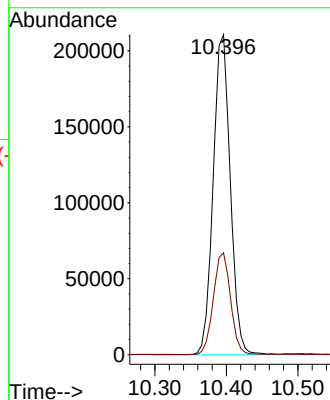
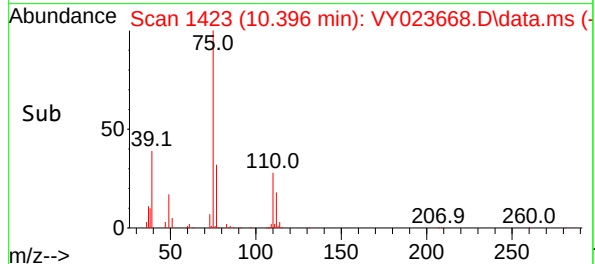
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 75 Resp: 349820
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4

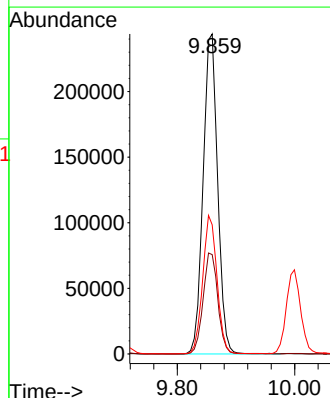
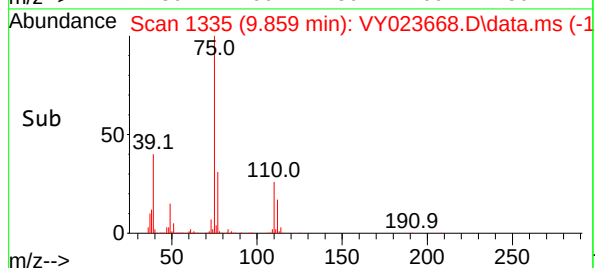
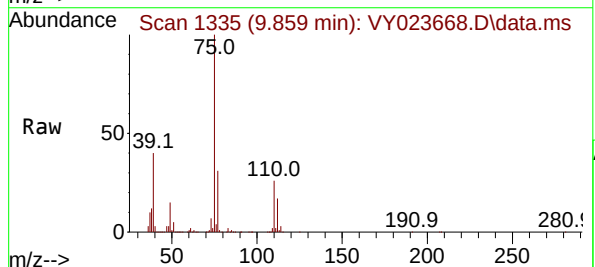
Manual Integrations
APPROVED

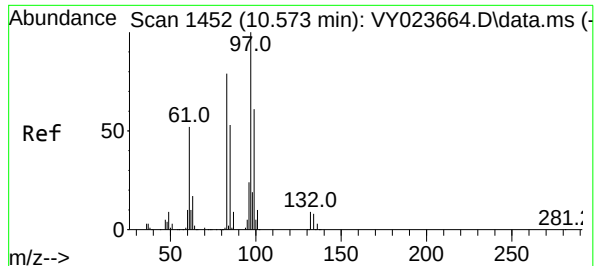
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#54
cis-1,3-Dichloropropene
Concen: 51.251 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

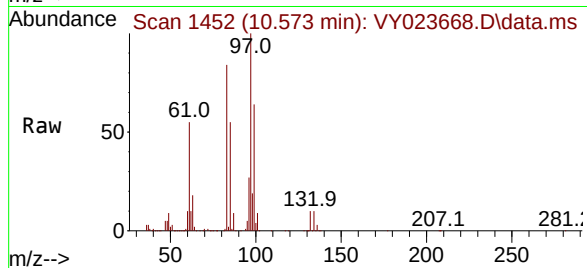
Tgt Ion: 75 Resp: 418833
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5
39 40.2 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 49.096 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

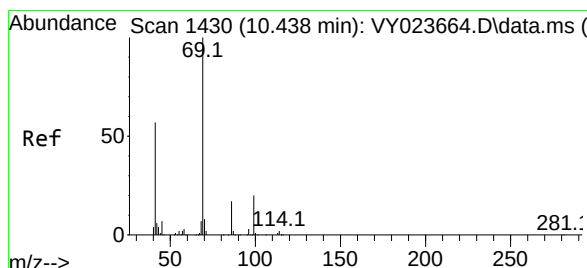
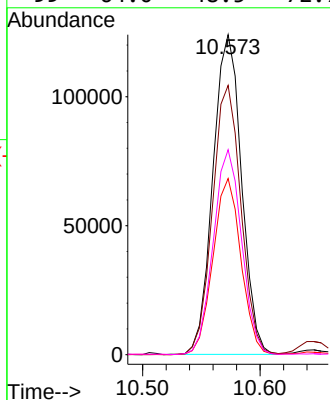
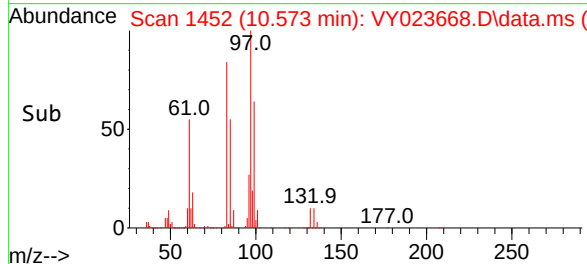
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 97 Resp: 20978
Ion Ratio Lower Upper
97 100
83 84.1 63.3 94.9
85 55.0 42.4 63.6
99 64.0 48.5 72.7

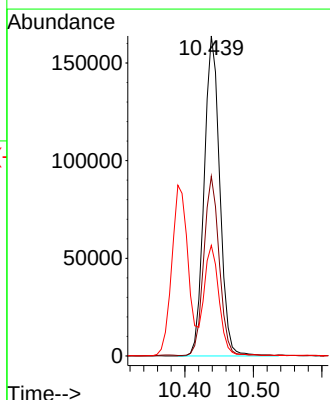
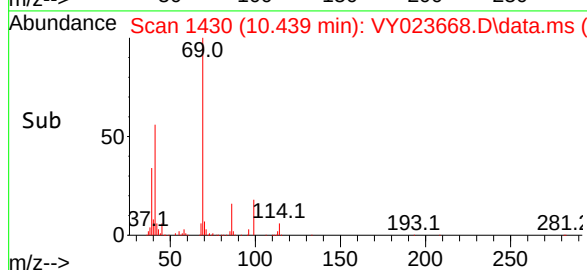
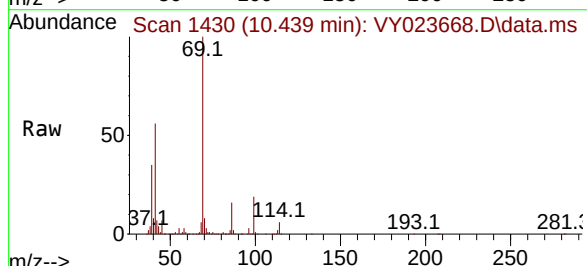
Manual Integrations
APPROVED

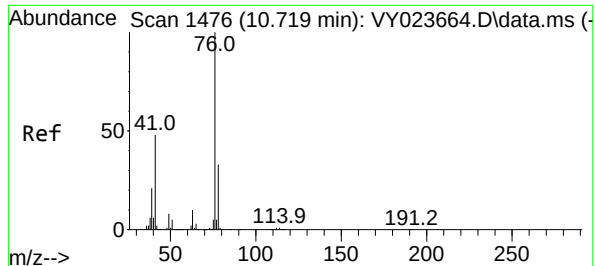
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#56
Ethyl methacrylate
Concen: 55.214 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

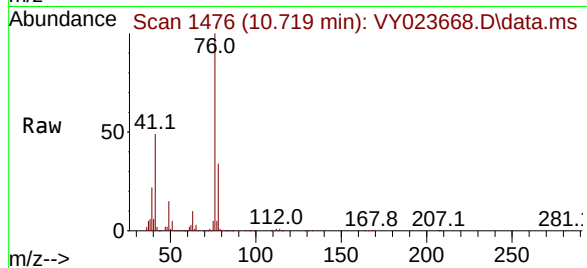
Tgt Ion: 69 Resp: 259940
Ion Ratio Lower Upper
69 100
41 55.1 45.0 67.4
39 31.9 25.1 37.7





#57
1,3-Dichloropropane
Concen: 49.813 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

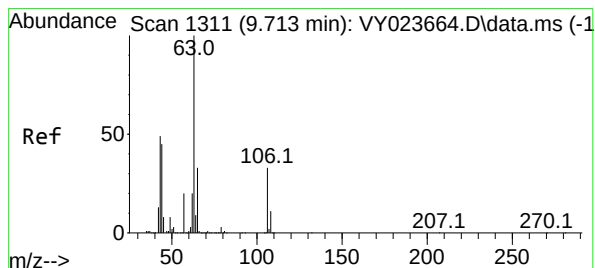
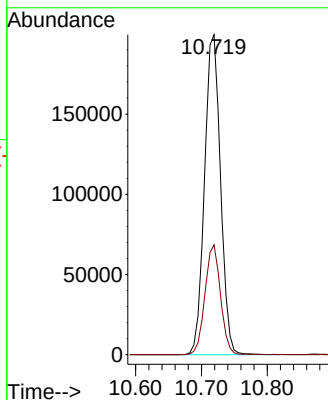
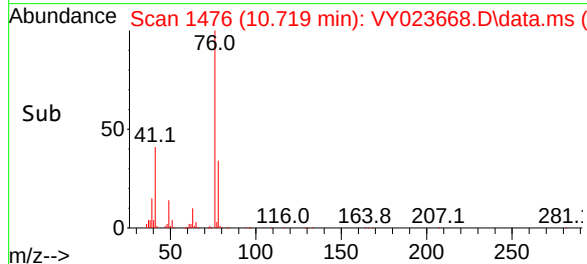
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 76 Resp: 33761
Ion Ratio Lower Upper
76 100
78 33.4 26.0 39.0

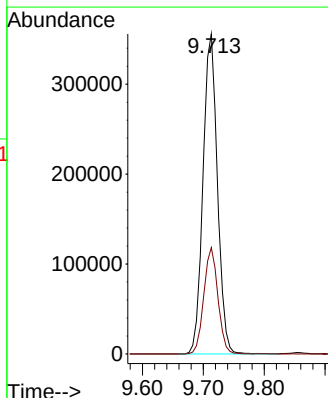
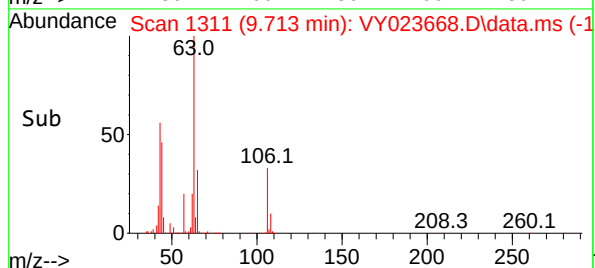
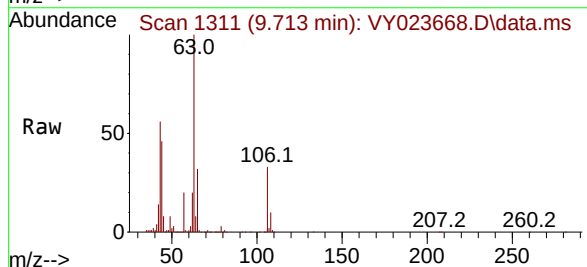
Manual Integrations
APPROVED

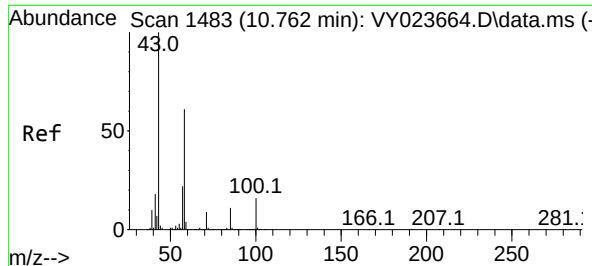
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 271.549 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 63 Resp: 586635
Ion Ratio Lower Upper
63 100
106 32.5 26.2 39.2





#59

2-Hexanone

Concen: 256.278 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion: 43 Resp: 536488

Ion Ratio Lower Upper

43 100

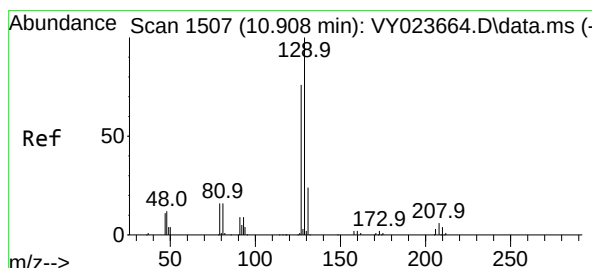
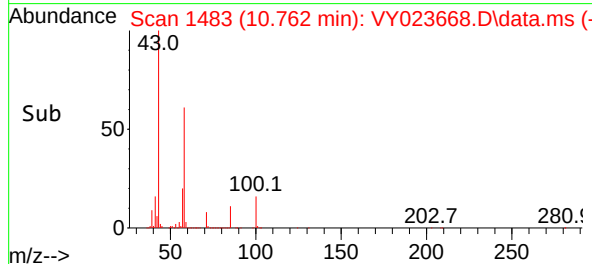
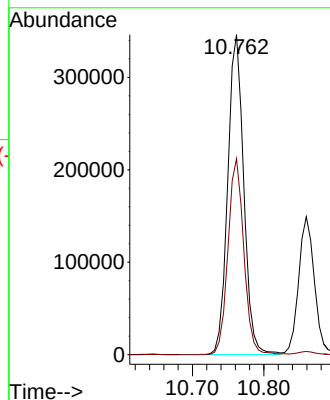
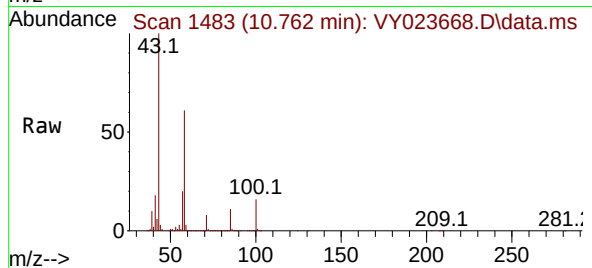
58 60.7 30.2 90.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#60

Dibromochloromethane

Concen: 50.005 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VY023668.D

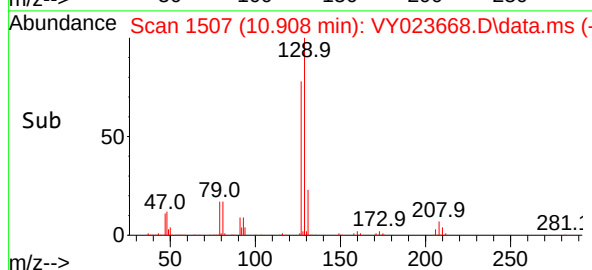
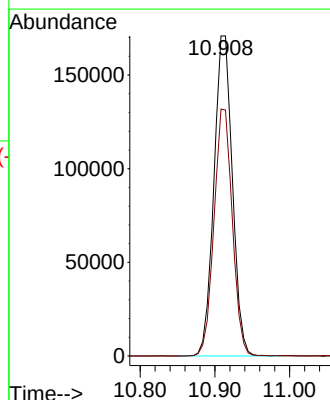
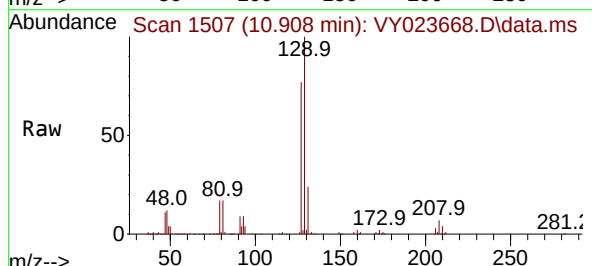
Acq: 04 Nov 2025 12:14

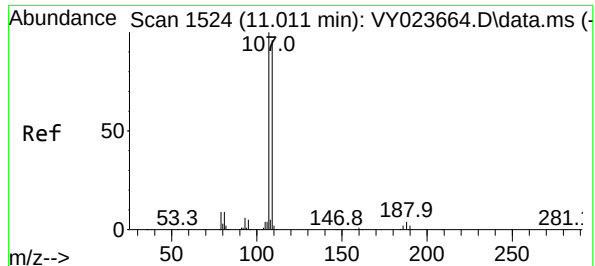
Tgt Ion:129 Resp: 293578

Ion Ratio Lower Upper

129 100

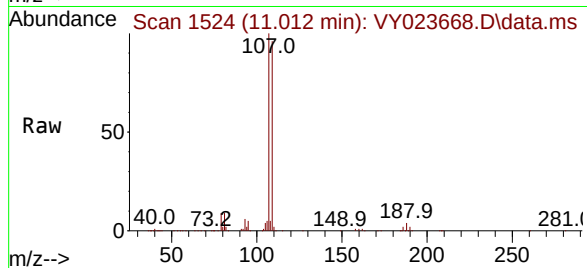
127 76.6 38.4 115.2





#61
1,2-Dibromoethane
Concen: 50.038 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

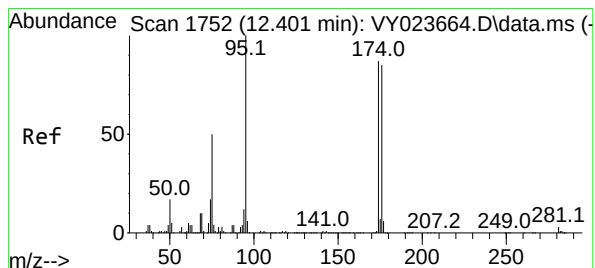
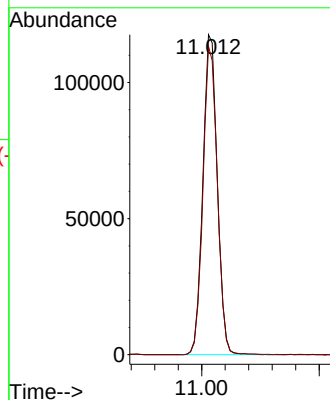
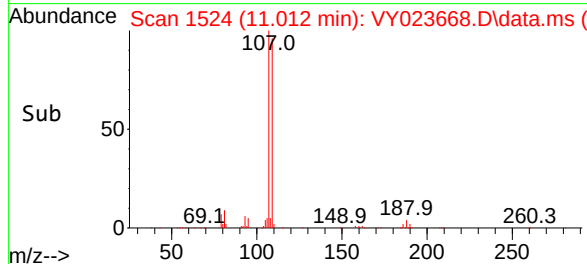
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:107 Resp: 200650
Ion Ratio Lower Upper
107 100
109 95.8 76.2 114.4

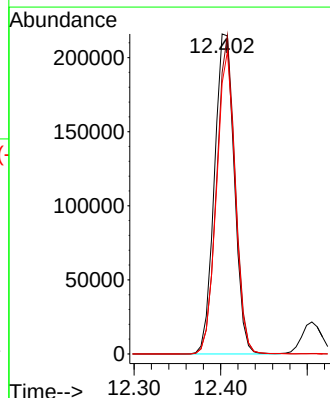
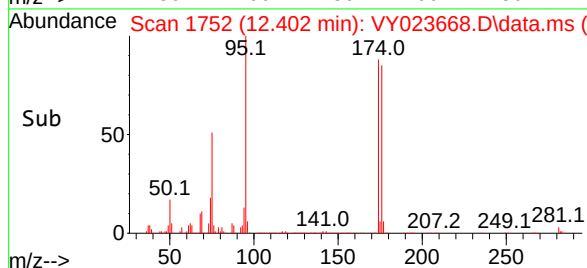
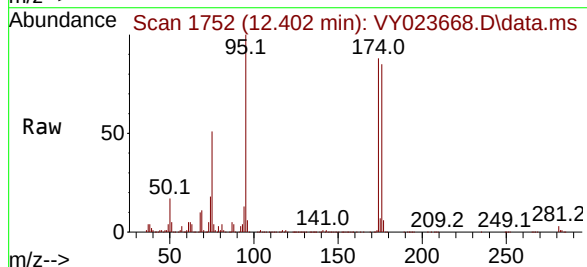
Manual Integrations
APPROVED

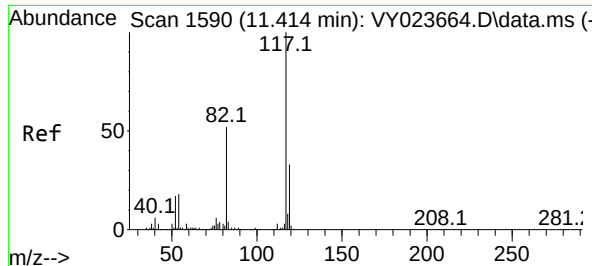
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#62
4-Bromofluorobenzene
Concen: 51.484 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 95 Resp: 344284
Ion Ratio Lower Upper
95 100
174 92.9 0.0 184.8
176 89.3 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion:117 Resp: 783295

Ion Ratio Lower Upper

117 100

82 52.5 41.2 61.8

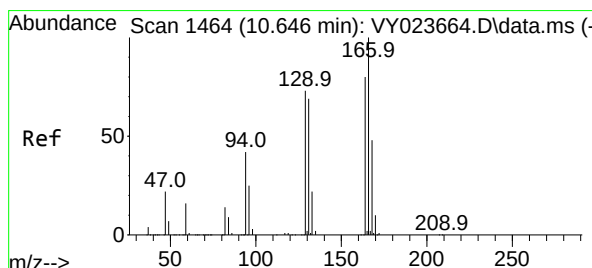
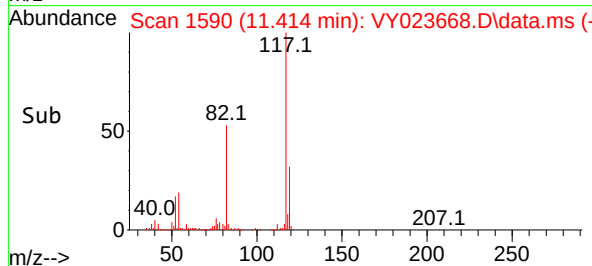
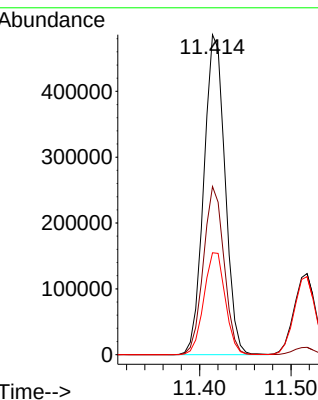
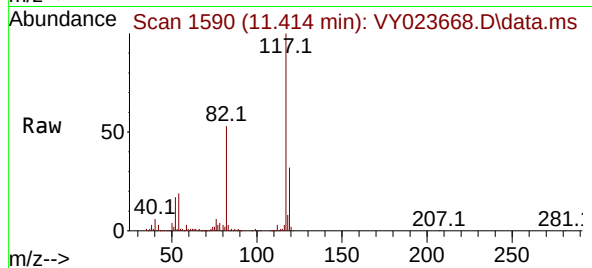
119 31.8 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#64

Tetrachloroethene

Concen: 47.199 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Tgt Ion:164 Resp: 384807

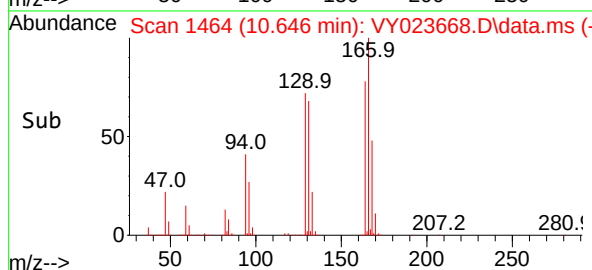
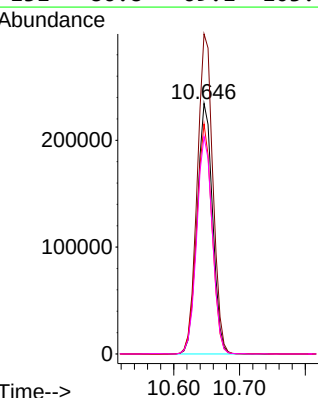
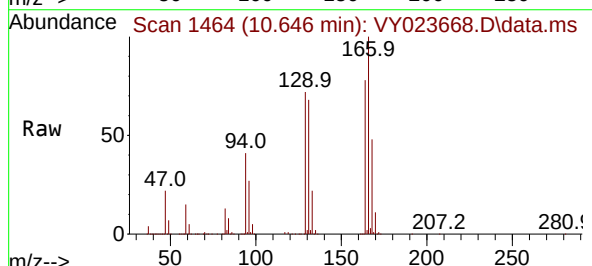
Ion Ratio Lower Upper

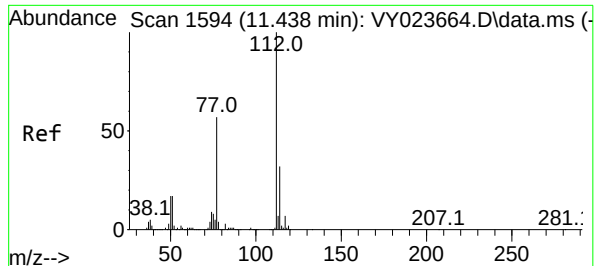
164 100

166 127.7 99.5 149.3

129 91.9 72.3 108.5

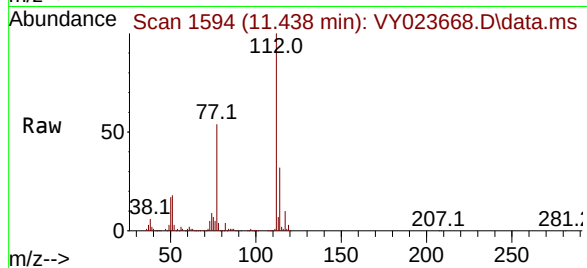
131 86.8 69.1 103.7





#65
Chlorobenzene
Concen: 49.832 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

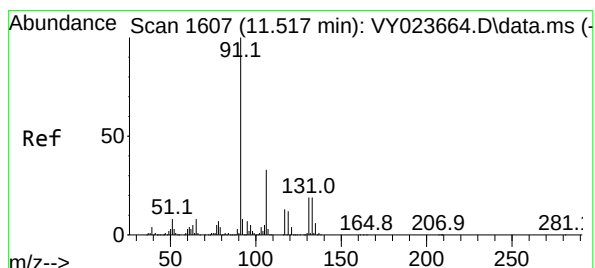
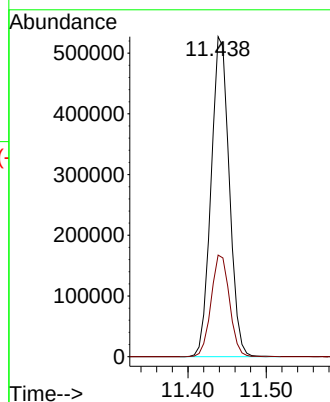
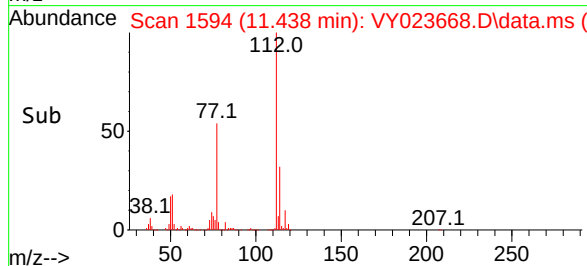
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:112 Resp: 849748
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

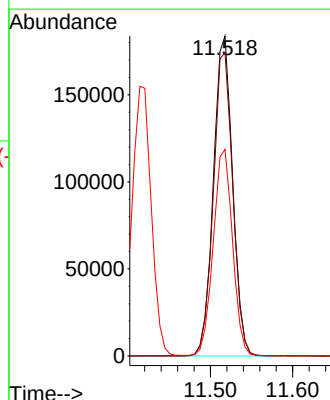
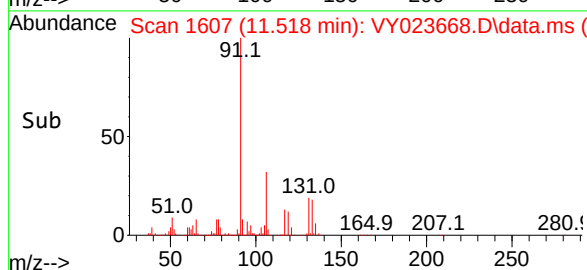
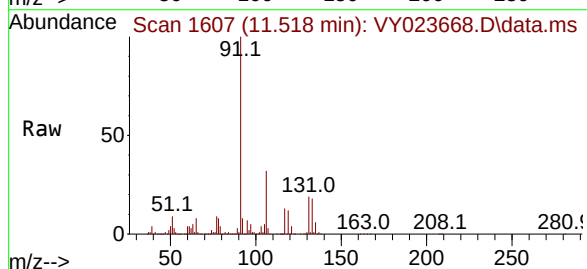
Manual Integrations
APPROVED

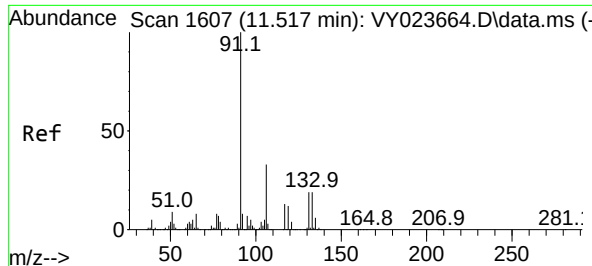
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.452 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

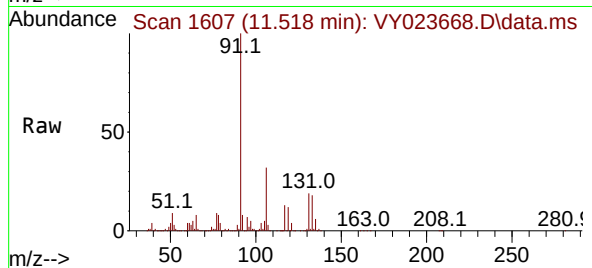
Tgt Ion:131 Resp: 298190
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.8
119 64.9 32.5 97.4





#67
Ethyl Benzene
Concen: 52.373 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

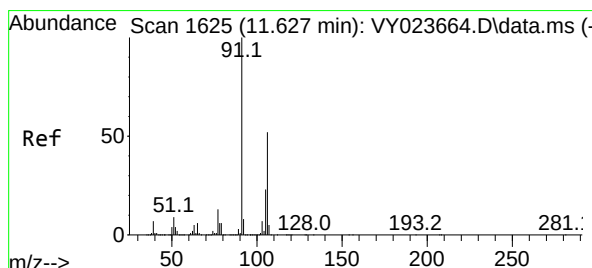
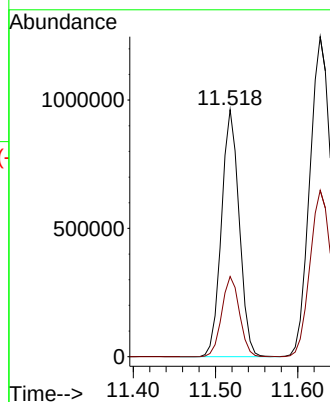
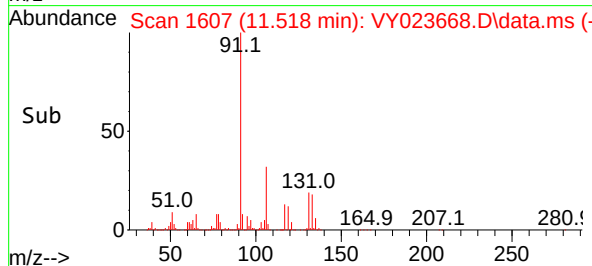
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 91 Resp: 144542
Ion Ratio Lower Upper
91 100
106 32.5 26.6 40.0

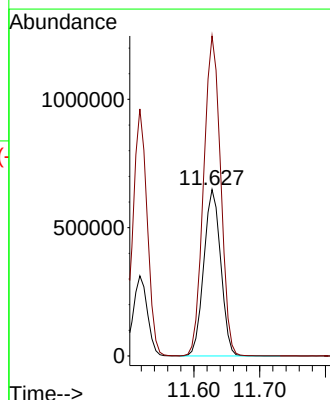
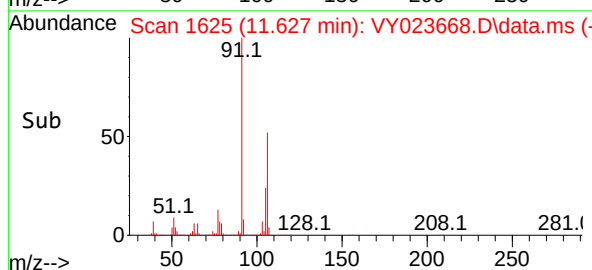
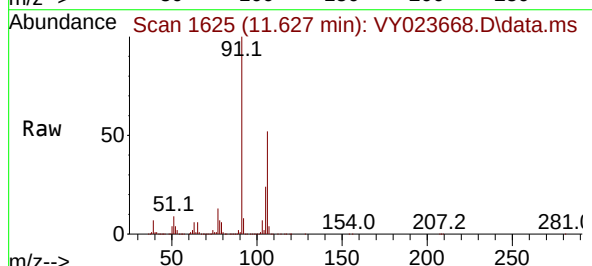
Manual Integrations
APPROVED

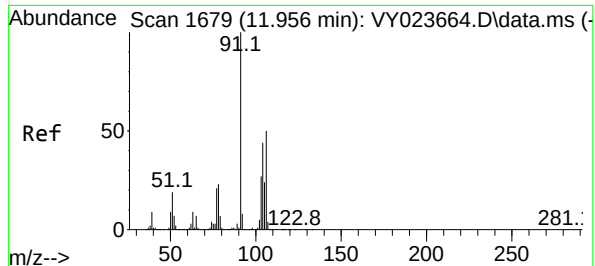
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#68
m/p-Xylenes
Concen: 105.195 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

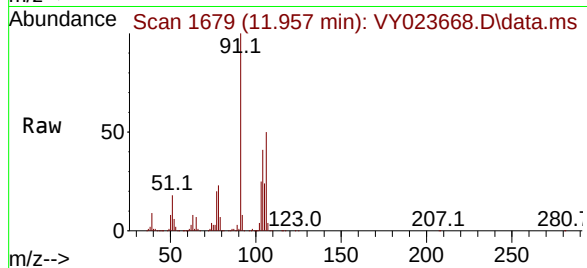
Tgt Ion:106 Resp: 1159953
Ion Ratio Lower Upper
106 100
91 193.1 154.3 231.5





#69
o-Xylene
Concen: 53.114 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

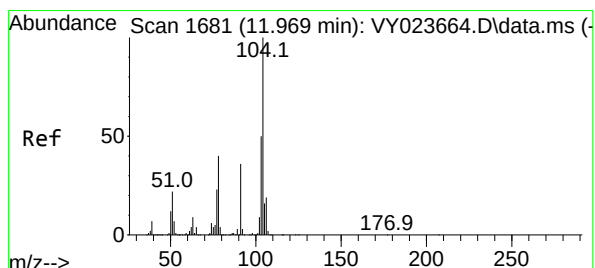
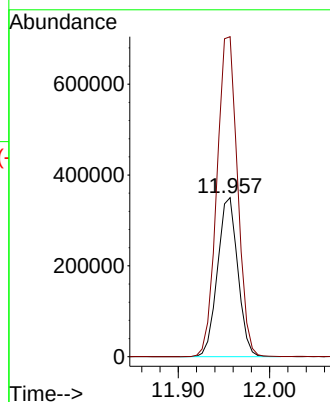
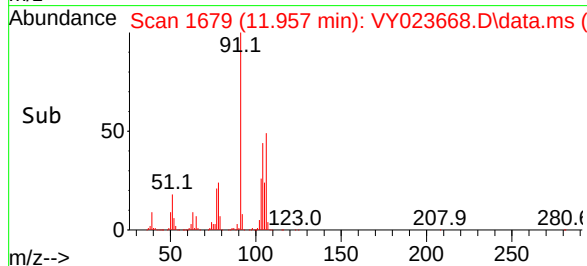
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:106 Resp: 541389
Ion Ratio Lower Upper
106 100
91 204.3 101.6 304.6

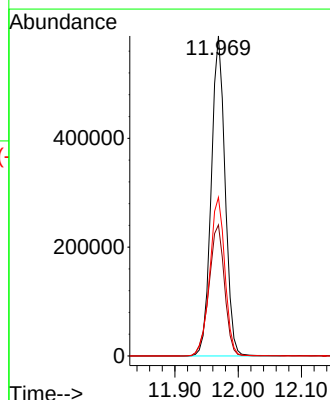
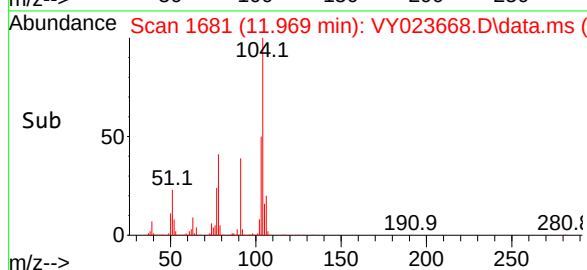
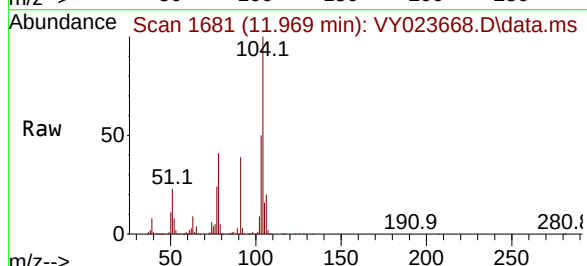
Manual Integrations
APPROVED

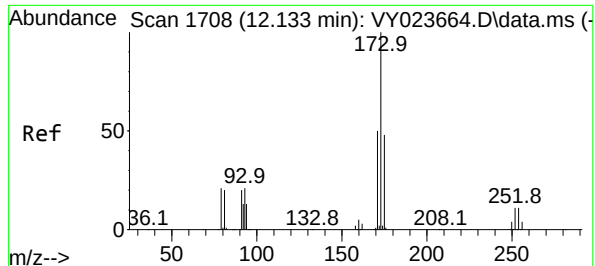
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#70
Styrene
Concen: 53.283 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

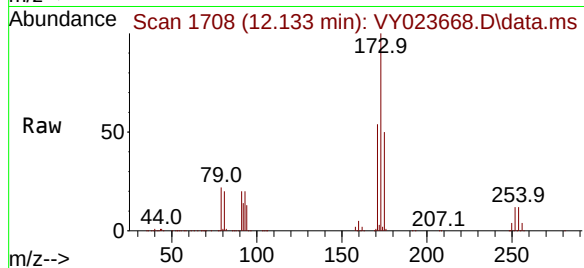
Tgt Ion:104 Resp: 896108
Ion Ratio Lower Upper
104 100
78 45.9 36.5 54.7
103 54.0 43.7 65.5





#71
Bromoform
Concen: 50.360 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

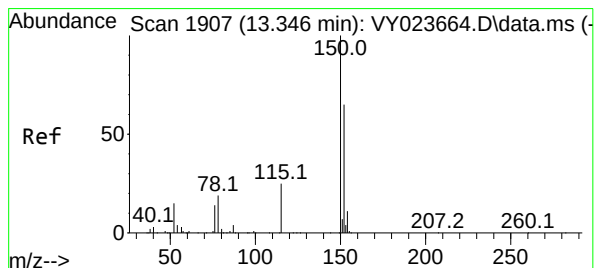
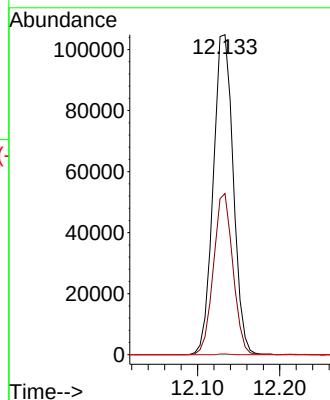
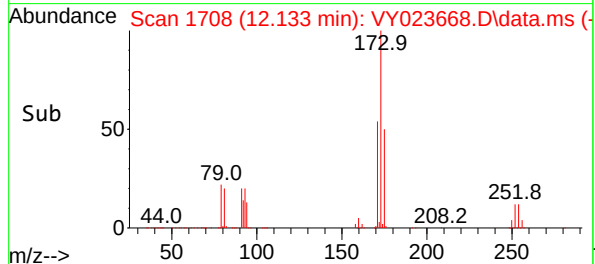
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



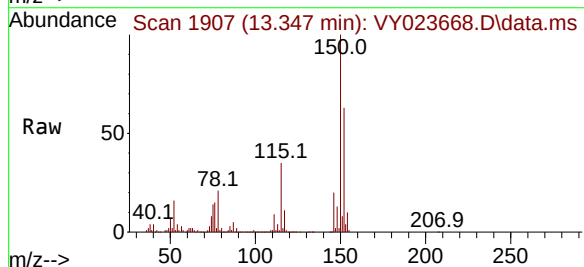
Tgt Ion:173 Resp: 177352
Ion Ratio Lower Upper
173 100
175 48.9 24.2 72.6
254 0.1 0.2 0.2

Manual Integrations
APPROVED

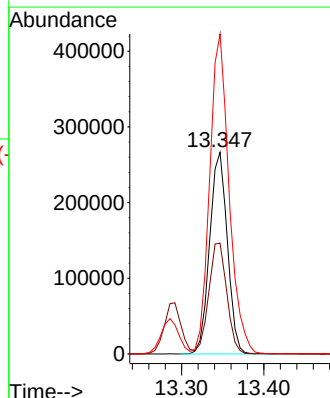
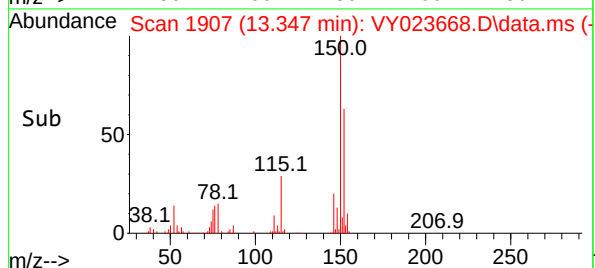
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

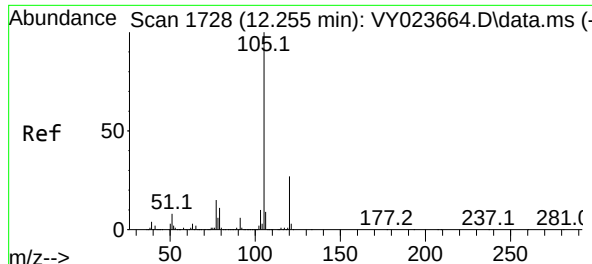


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14



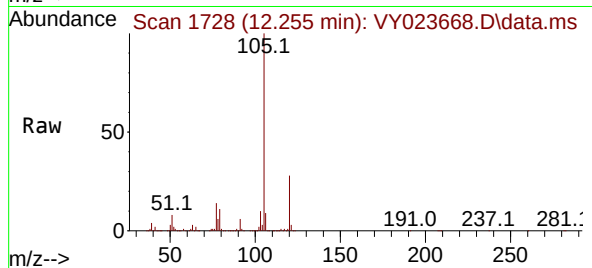
Tgt Ion:152 Resp: 398785
Ion Ratio Lower Upper
152 100
115 55.8 27.5 82.5
150 173.7 0.0 349.0





#73
Isopropylbenzene
Concen: 53.146 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

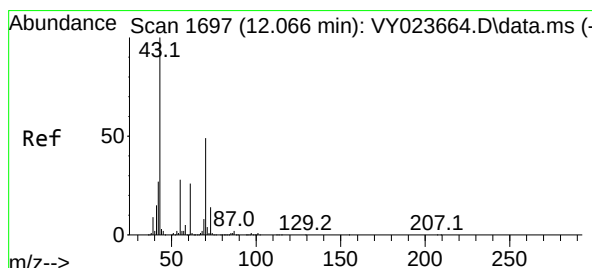
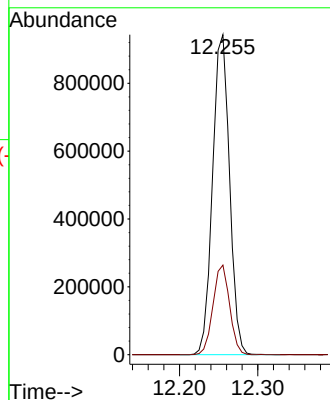
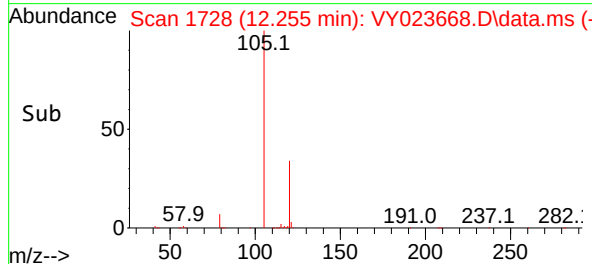
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion:105 Resp: 141748
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.7

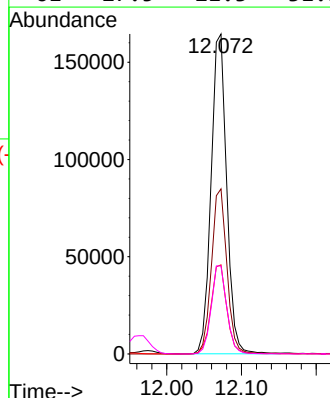
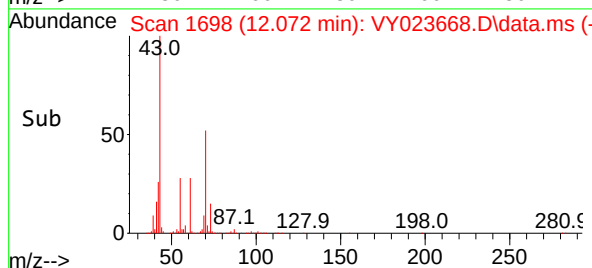
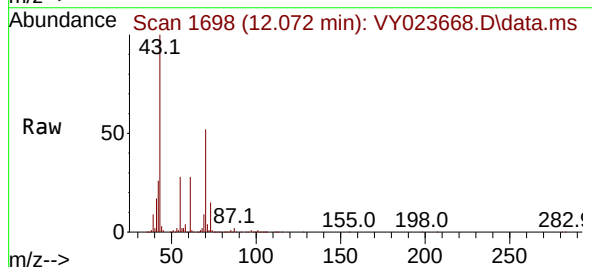
Manual Integrations
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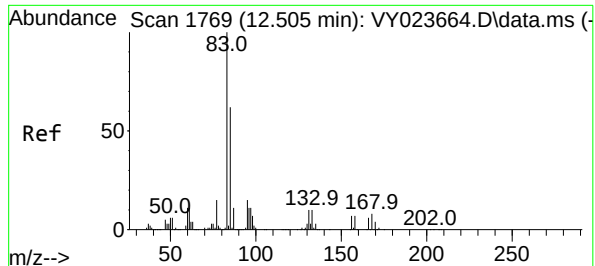
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#74
N-ethyl acetate
Concen: 52.899 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

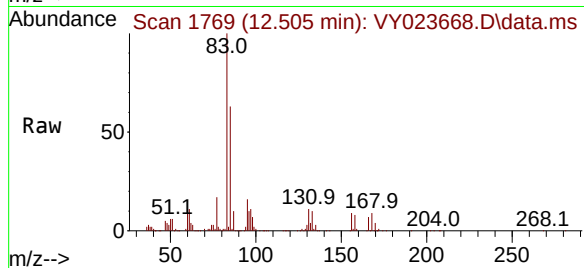
Tgt Ion: 43 Resp: 238873
Ion Ratio Lower Upper
43 100
70 51.6 40.1 60.1
55 28.1 23.0 34.6
61 27.5 21.3 31.9





#75
1,1,2,2-Tetrachloroethane
Concen: 50.335 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

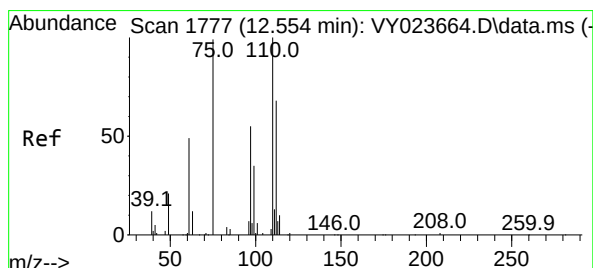
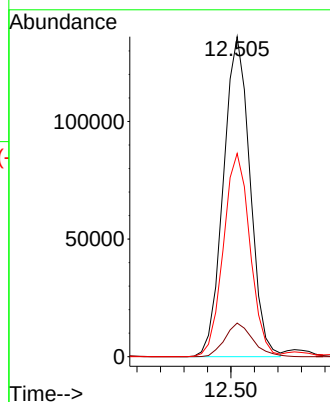
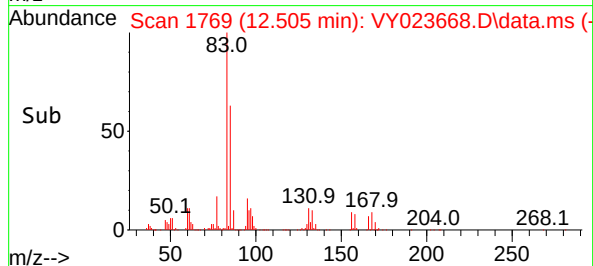
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 83 Resp: 214414
Ion Ratio Lower Upper
83 100
131 11.0 5.7 17.0
85 63.7 31.9 95.7

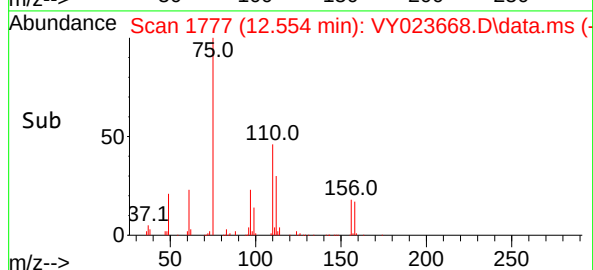
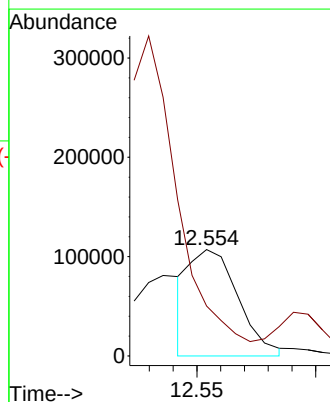
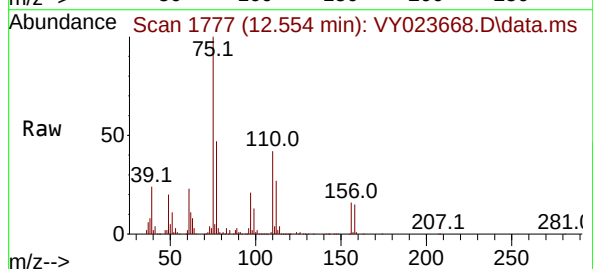
Manual Integrations
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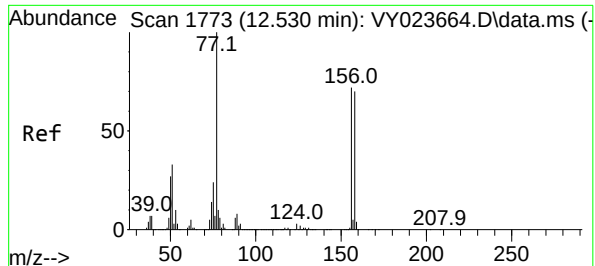
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#76
1,2,3-Trichloropropane
Concen: 47.550 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 75 Resp: 153462
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





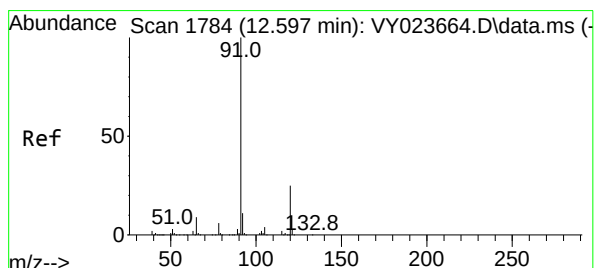
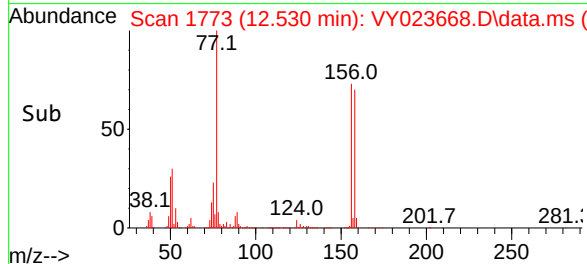
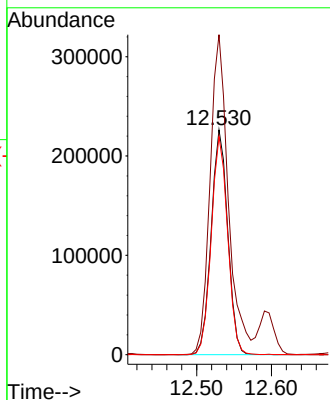
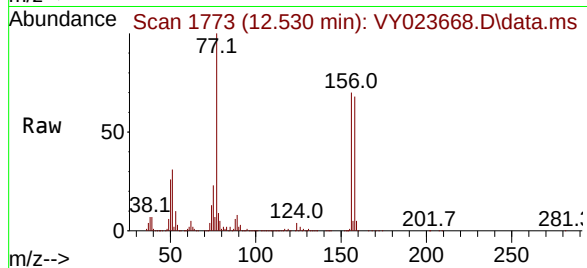
#77
Bromobenzene
Concen: 50.384 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Tgt Ion:156 Resp: 348579
Ion Ratio Lower Upper
156 100
77 156.9 77.9 233.7
158 96.3 48.5 145.5

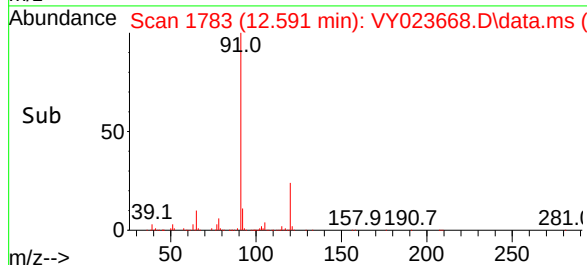
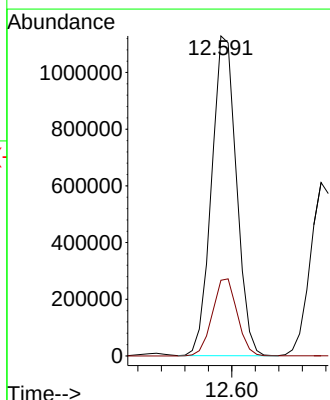
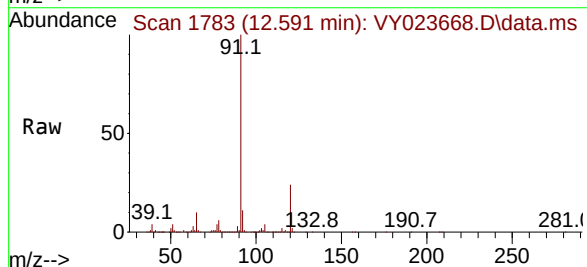
Manual Integrations
APPROVED

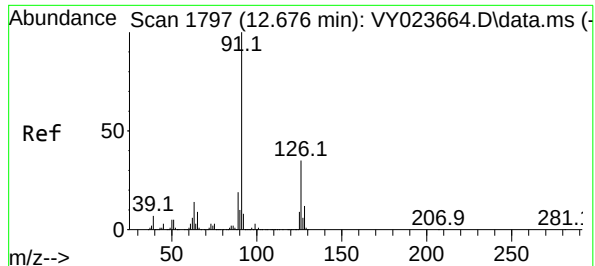
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 52.723 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 91 Resp: 1654045
Ion Ratio Lower Upper
91 100
120 24.1 12.0 36.1





#79

2-Chlorotoluene

Concen: 51.669 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion: 91 Resp: 94062

Ion Ratio Lower Upper

91 100

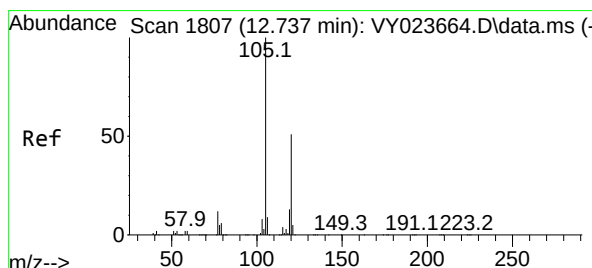
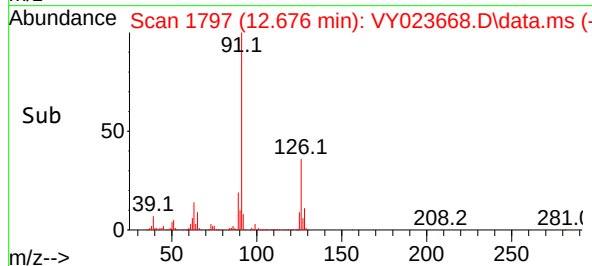
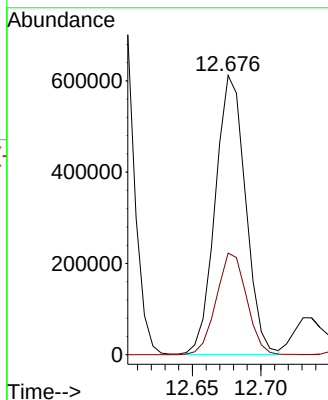
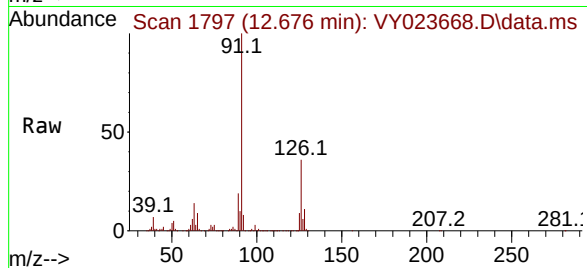
126 36.4 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#80

1,3,5-Trimethylbenzene

Concen: 53.189 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023668.D

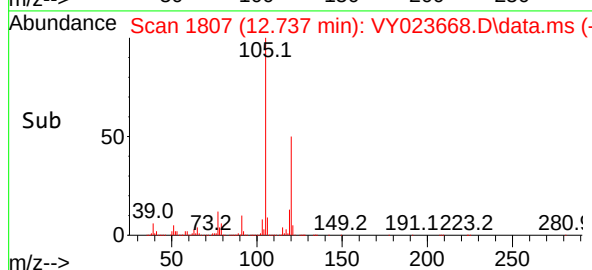
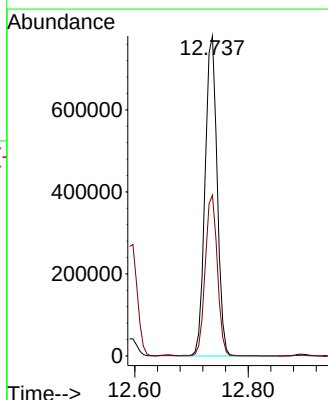
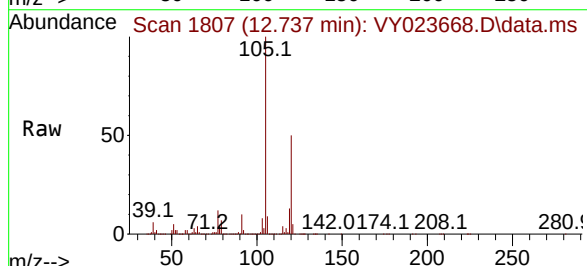
Acq: 04 Nov 2025 12:14

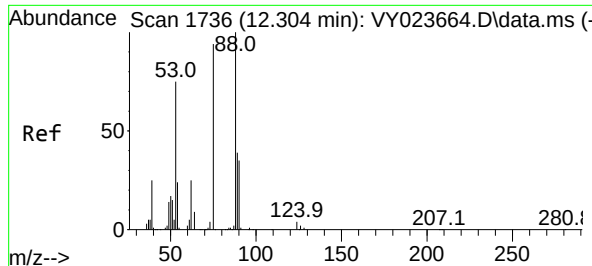
Tgt Ion:105 Resp: 1152618

Ion Ratio Lower Upper

105 100

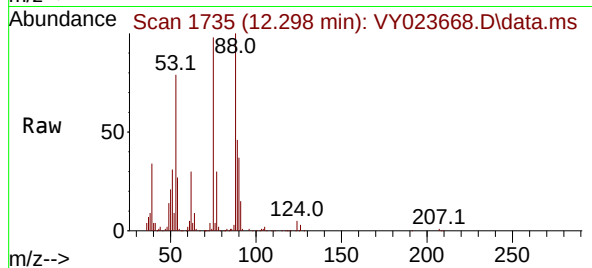
120 50.5 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 49.252 ug/l
RT: 12.298 min Scan# 1736
Delta R.T. -0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

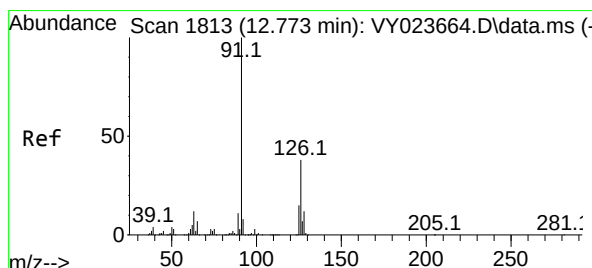
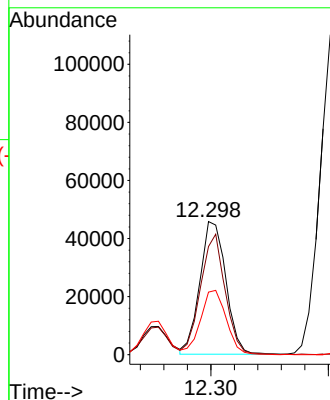
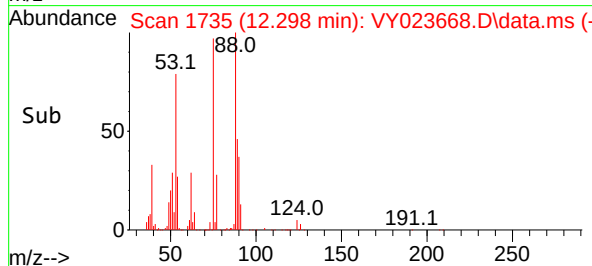
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425



Tgt Ion: 75 Resp: 70330
Ion Ratio Lower Upper
75 100
53 86.1 69.6 104.4
89 48.3 38.2 57.4

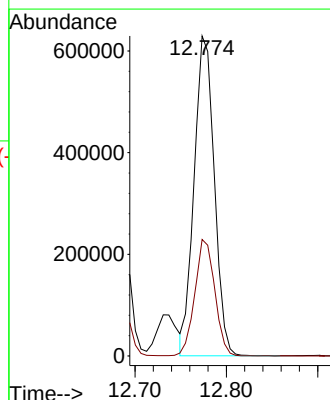
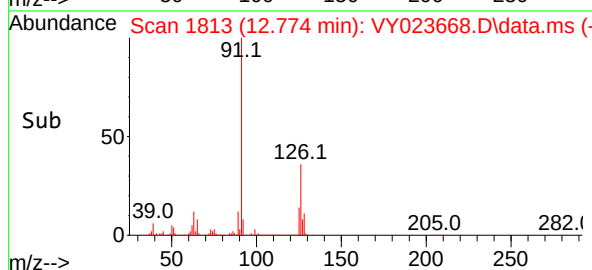
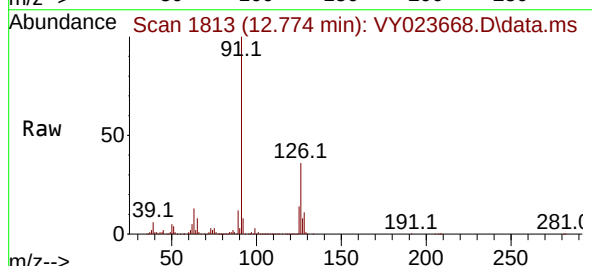
Manual Integrations
APPROVED

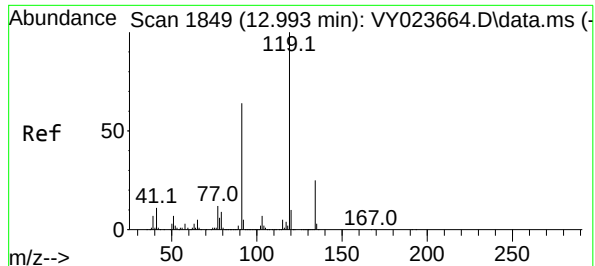
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#82
4-Chlorotoluene
Concen: 51.412 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 91 Resp: 965258
Ion Ratio Lower Upper
91 100
126 36.1 18.1 54.4





#83

tert-Butylbenzene

Concen: 54.107 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY110425

Tgt Ion:119 Resp: 106790

Ion Ratio Lower Upper

119 100

91 60.8 30.7 92.1

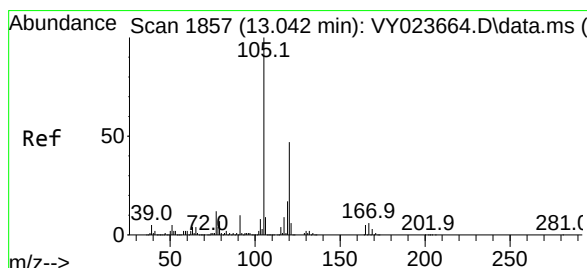
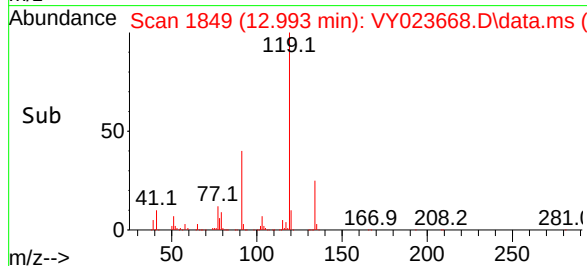
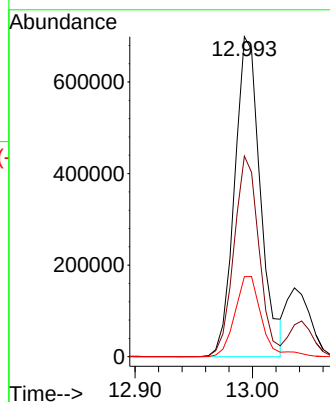
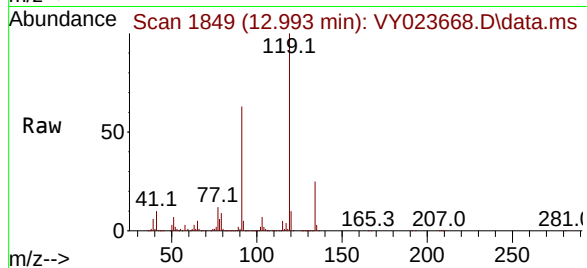
134 26.0 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#84

1,2,4-Trimethylbenzene

Concen: 53.419 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023668.D

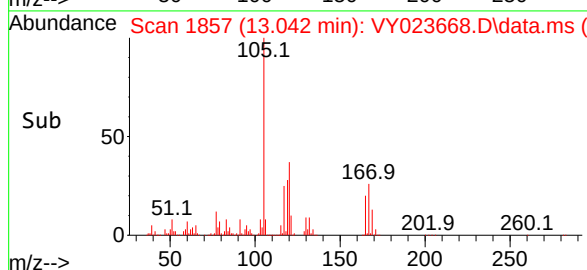
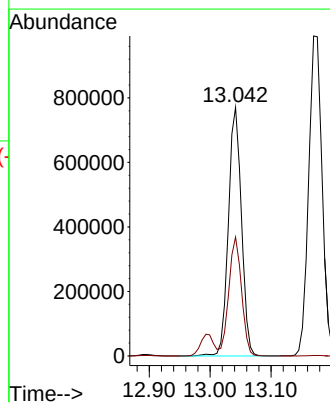
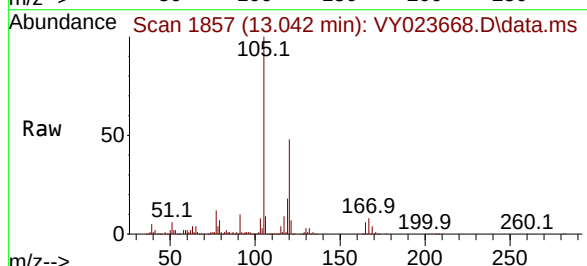
Acq: 04 Nov 2025 12:14

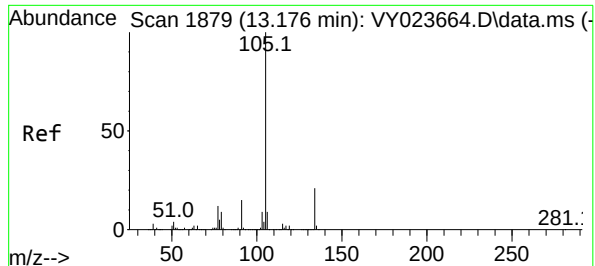
Tgt Ion:105 Resp: 1146575

Ion Ratio Lower Upper

105 100

120 46.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 53.321 ug/l

RT: 13.170 min Scan# 1879

Delta R.T. -0.006 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion:105 Resp: 1517909

Ion Ratio Lower Upper

105 100

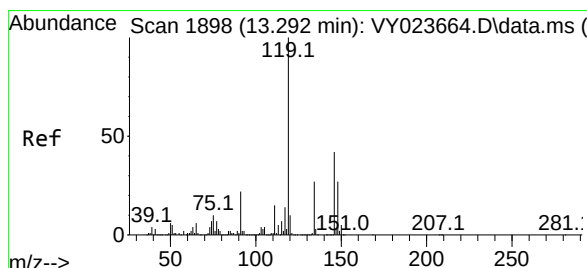
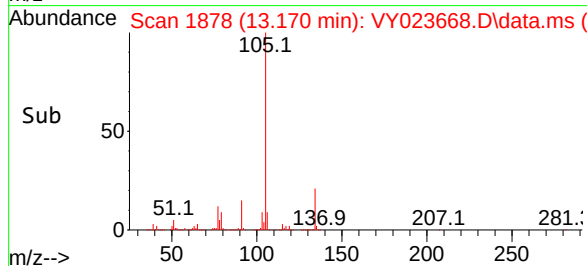
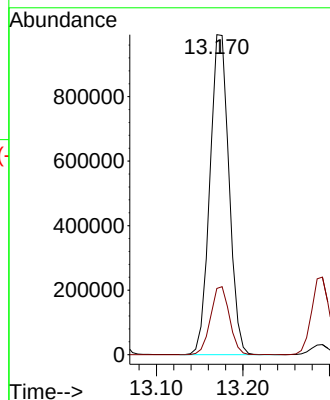
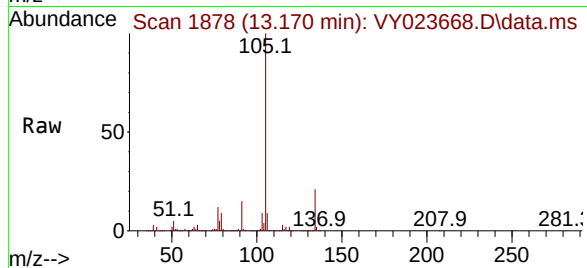
134 21.0 10.4 31.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#86

p-Isopropyltoluene

Concen: 53.924 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

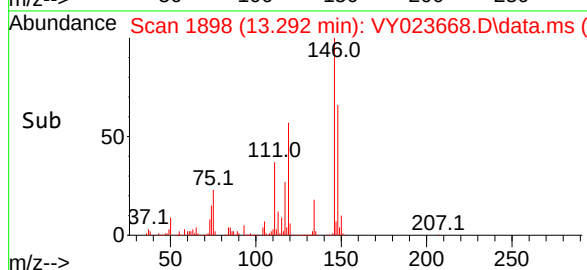
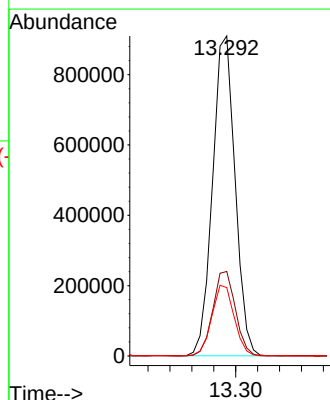
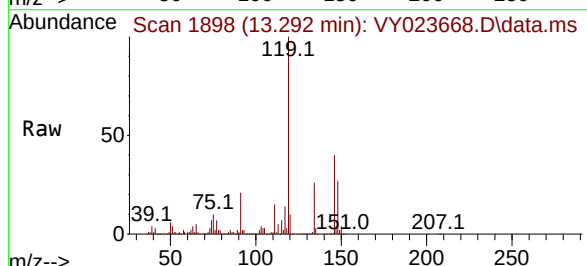
Tgt Ion:119 Resp: 1299518

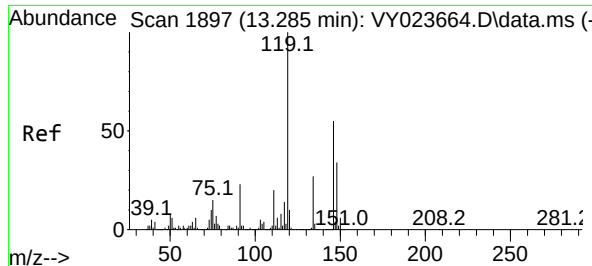
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 50.050 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion:146 Resp: 68153

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.3

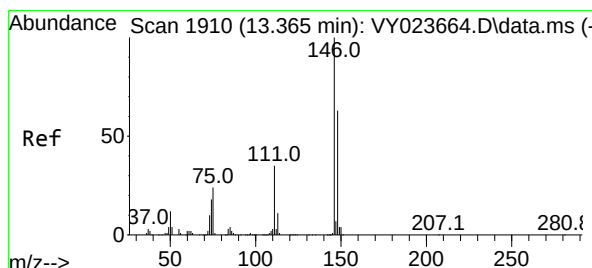
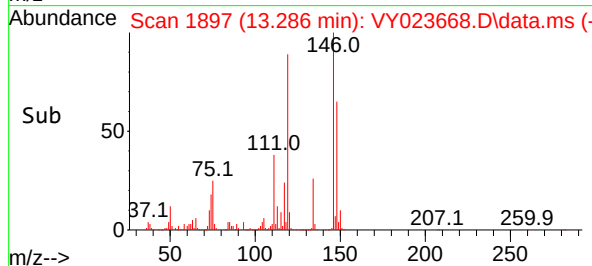
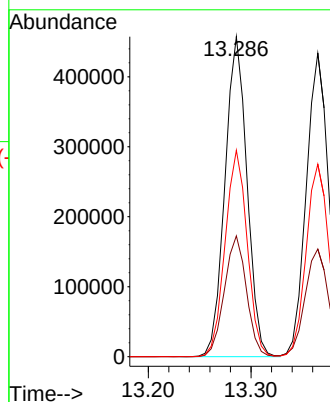
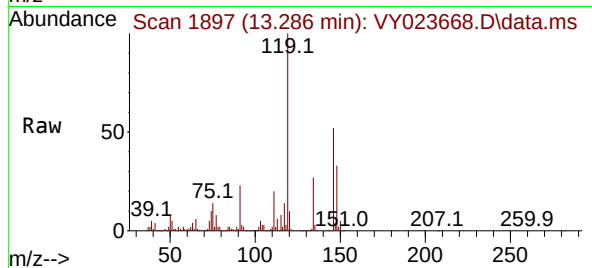
148 64.6 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#88

1,4-Dichlorobenzene

Concen: 49.051 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

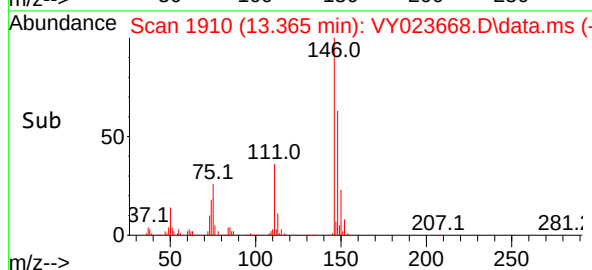
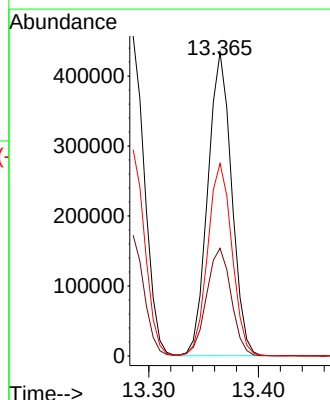
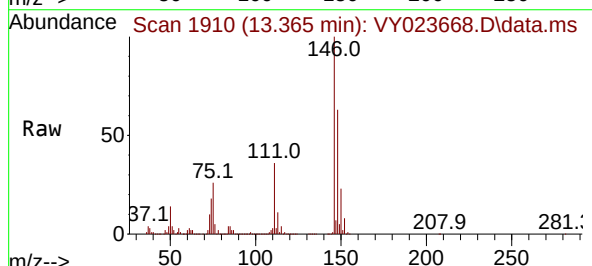
Tgt Ion:146 Resp: 656109

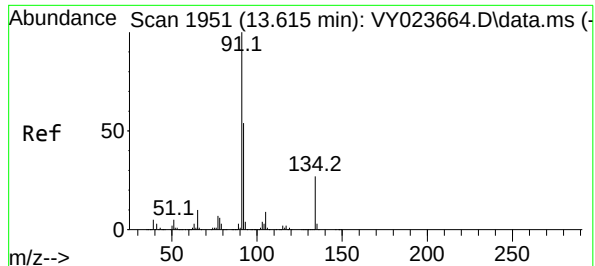
Ion Ratio Lower Upper

146 100

111 36.7 18.3 54.8

148 64.6 31.8 95.3





#89

n-Butylbenzene

Concen: 54.369 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion: 91 Resp: 1139328

Ion Ratio Lower Upper

91 100

92 53.2 26.5 79.4

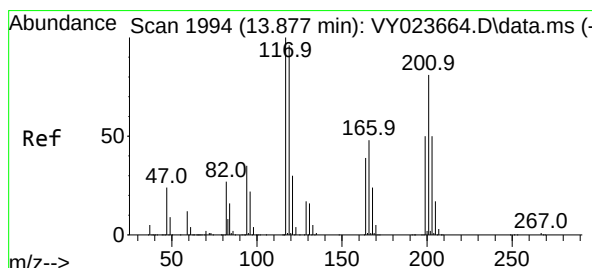
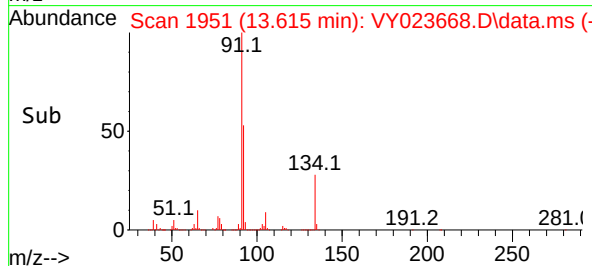
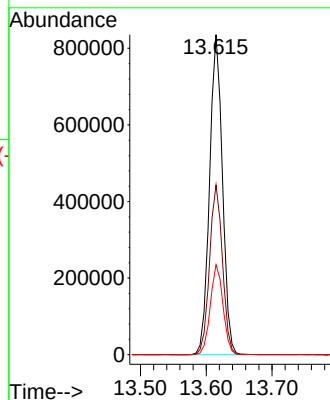
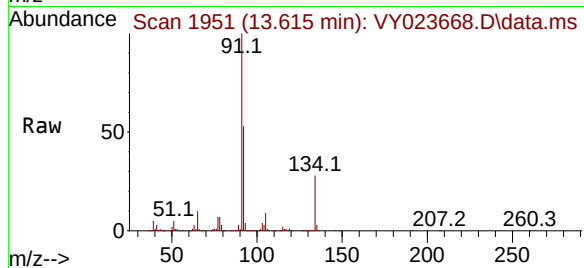
134 27.8 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#90

Hexachloroethane

Concen: 49.923 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023668.D

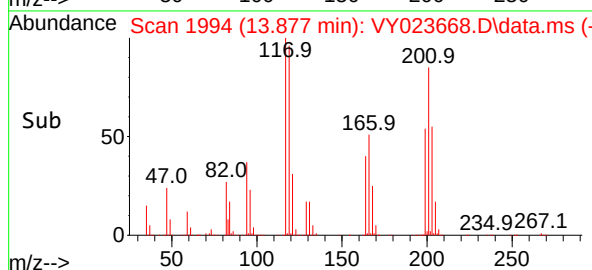
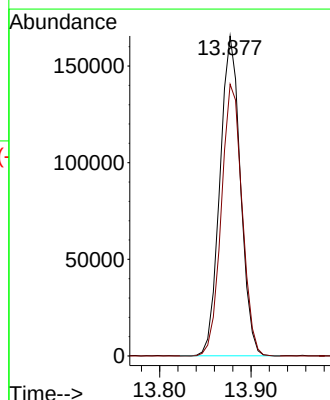
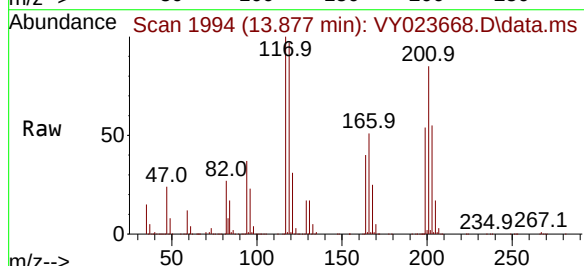
Acq: 04 Nov 2025 12:14

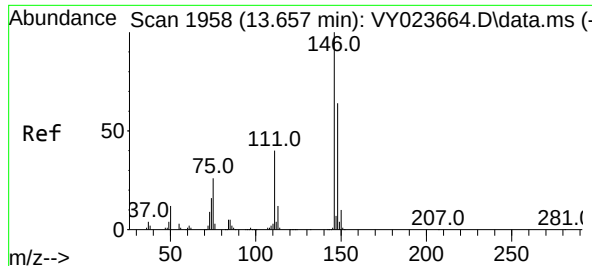
Tgt Ion:117 Resp: 258543

Ion Ratio Lower Upper

117 100

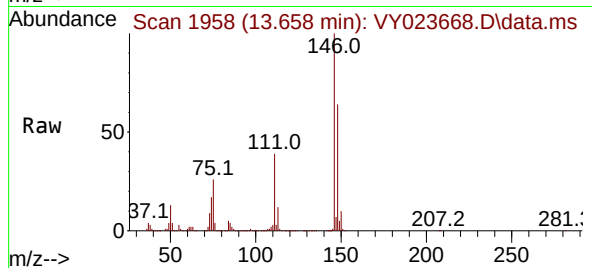
201 85.7 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 50.082 ug/l
RT: 13.658 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

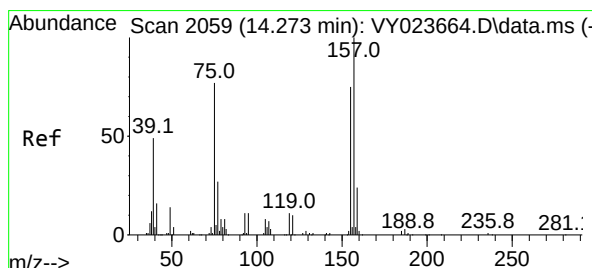
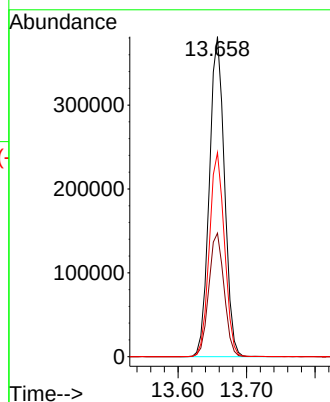
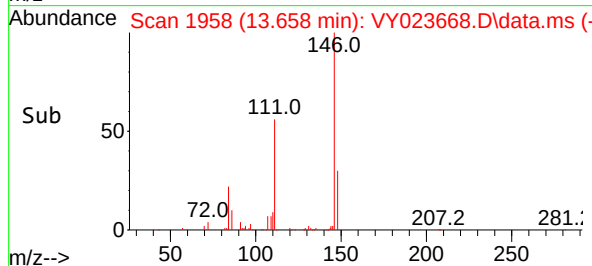
Instrument :
MSVOA_Y
ClientSampleId :
ICVY110425



Tgt Ion:146 Resp: 58770
Ion Ratio Lower Upper
146 100
111 39.0 19.5 58.5
148 63.8 31.9 95.9

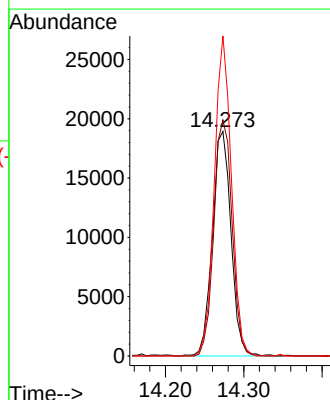
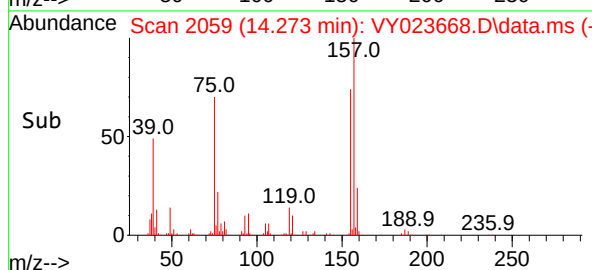
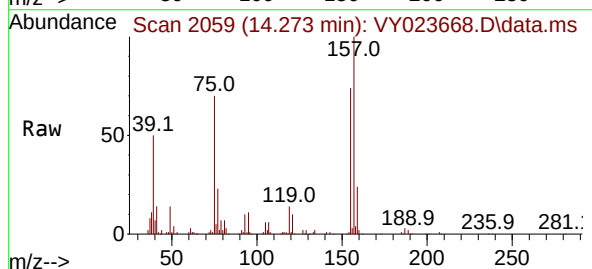
Manual Integrations
APPROVED

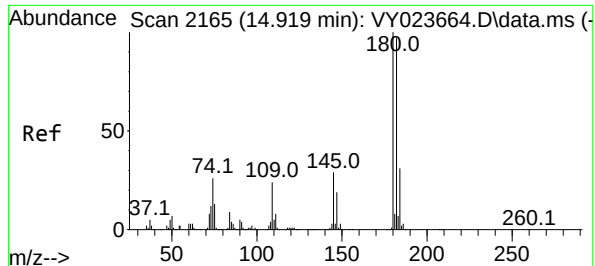
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.551 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion: 75 Resp: 31188
Ion Ratio Lower Upper
75 100
155 103.4 49.4 148.2
157 130.4 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 53.138 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

ICVY110425

Tgt Ion:180 Resp: 356674

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

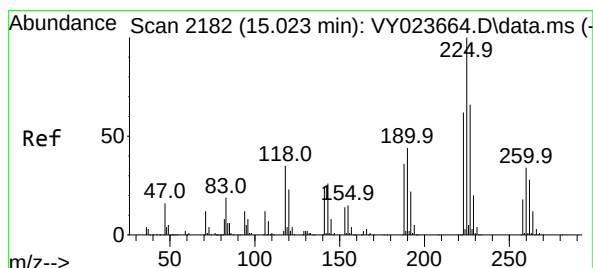
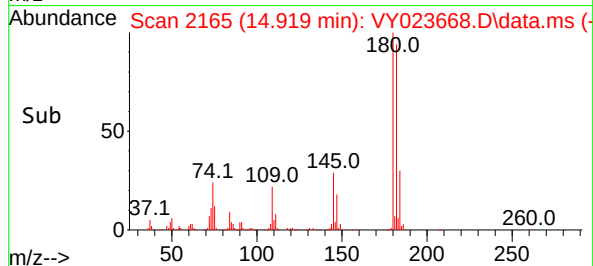
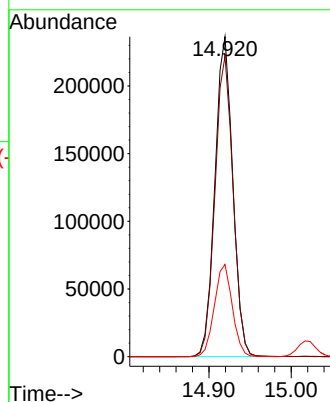
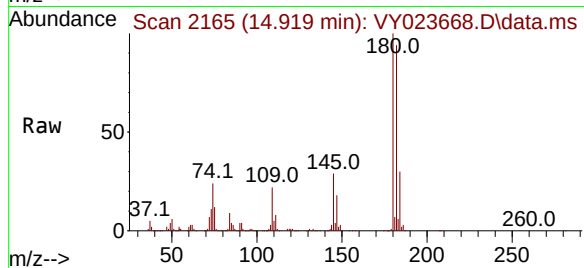
145 29.1 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#94

Hexachlorobutadiene

Concen: 50.535 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023668.D

Acq: 04 Nov 2025 12:14

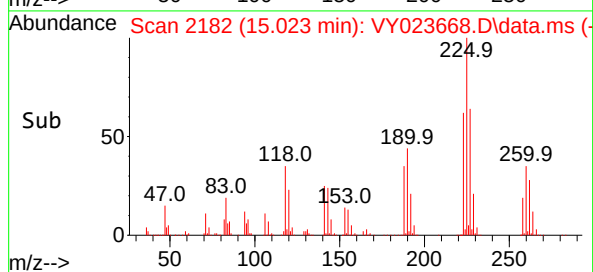
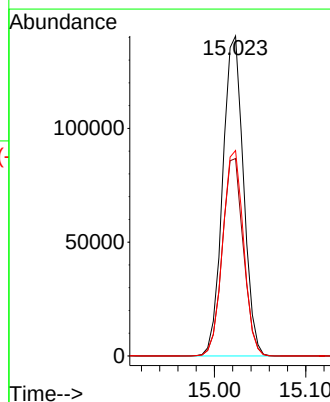
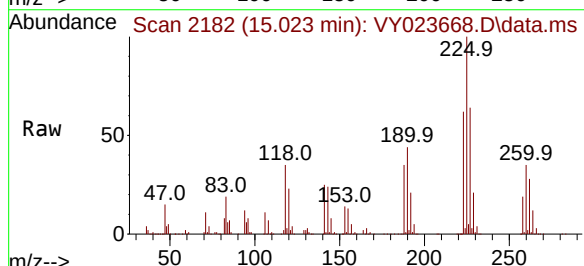
Tgt Ion:225 Resp: 222246

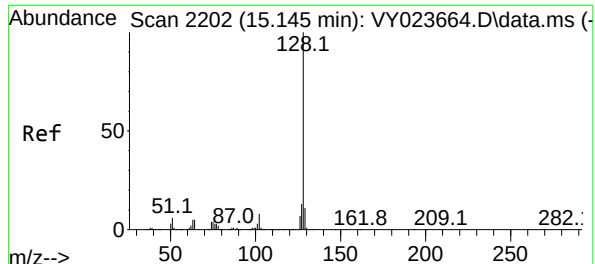
Ion Ratio Lower Upper

225 100

223 62.3 30.8 92.3

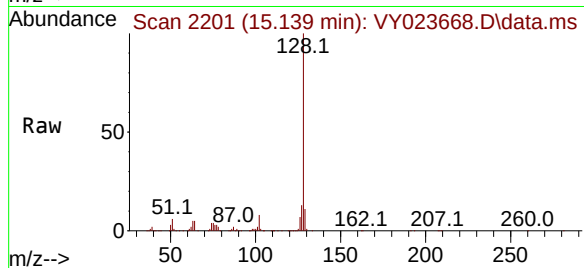
227 64.5 32.0 96.2





#95
Naphthalene
Concen: 48.012 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

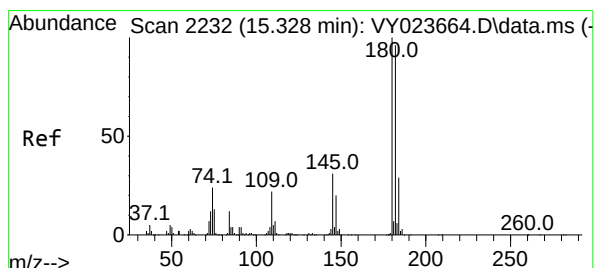
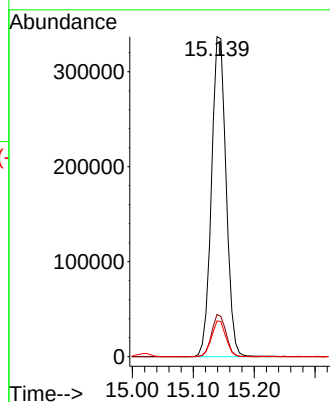
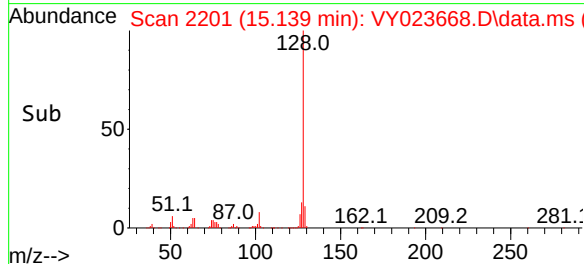
Instrument :
MSVOA_Y
ClientSampleId :
ICVY110425



Tgt Ion:128 Resp: 56065
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 11.0 8.8 13.2

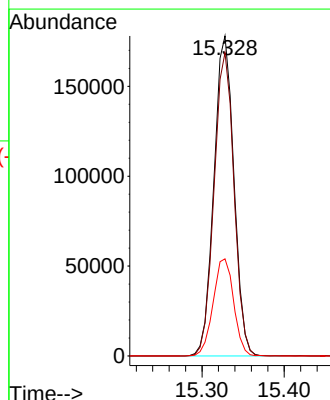
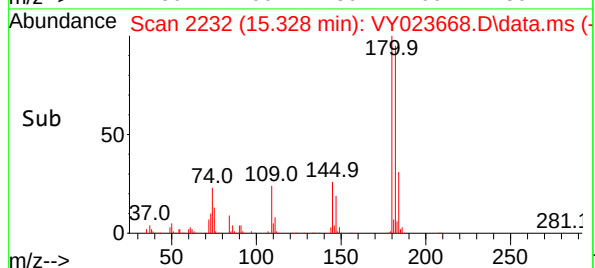
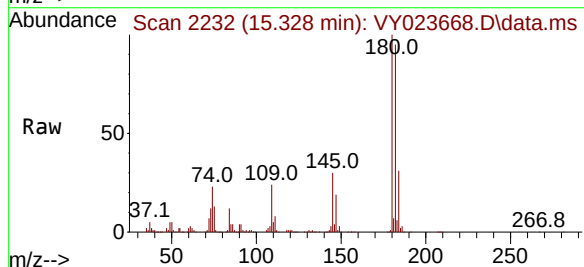
Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 53.559 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY023668.D
Acq: 04 Nov 2025 12:14

Tgt Ion:180 Resp: 300360
Ion Ratio Lower Upper
180 100
182 94.5 47.5 142.6
145 31.2 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	106	0.00
2 T	Dichlorodifluoromethane	0.328	0.279	14.9	107	0.00
3 P	Chloromethane	0.459	0.422	8.1	108	0.00
4 C	Vinyl Chloride	0.598	0.543	9.2#	105	0.00
5 T	Bromomethane	0.503	0.457	9.1	109	0.00
6 T	Chloroethane	0.413	0.387	6.3	106	0.00
7 T	Trichlorofluoromethane	0.842	0.780	7.4	106	0.00
8 T	Diethyl Ether	0.226	0.218	3.5	108	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.464	0.440	5.2	107	0.00
10 T	Methyl Iodide	0.548	0.521	4.9	96	0.00
11 T	Tert butyl alcohol	0.028	0.025	10.7	114	0.00
12 CM	1,1-Dichloroethene	0.447	0.431	3.6#	108	0.00
13 T	Acrolein	0.035	0.030	14.3	108	0.00
14 T	Allyl chloride	0.544	0.544	0.0	109	0.00
15 T	Acrylonitrile	0.086	0.085	1.2	110	0.00
16 T	Acetone	0.106	0.097	8.5	108	0.00
17 T	Carbon Disulfide	1.371	1.295	5.5	106	0.00
18 T	Methyl Acetate	0.234	0.207	11.5	104	0.00
19 T	Methyl tert-butyl Ether	1.036	1.058	-2.1	111	0.00
20 T	Methylene Chloride	0.512	0.469	8.4	108	0.00
21 T	trans-1,2-Dichloroethene	0.504	0.494	2.0	107	0.00
22 T	Diisopropyl ether	1.212	1.242	-2.5	107	0.00
23 T	Vinyl Acetate	0.647	0.683	-5.6	111	0.00
24 P	1,1-Dichloroethane	0.807	0.776	3.8	106	0.00
25 T	2-Butanone	0.123	0.116	5.7	110	0.00
26 T	2,2-Dichloropropane	0.742	0.719	3.1	107	0.00
27 T	cis-1,2-Dichloroethene	0.575	0.572	0.5	108	0.00
28 T	Bromochloromethane	0.309	0.290	6.1	105	0.00
29 T	Tetrahydrofuran	0.065	0.065	0.0	111	0.00
30 C	Chloroform	0.901	0.863	4.2#	106	0.00
31 T	Cyclohexane	0.703	0.682	3.0	109	0.00
32 T	1,1,1-Trichloroethane	0.805	0.775	3.7	106	0.00
33 S	1,2-Dichloroethane-d4	0.427	0.399	6.6	104	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.312	0.302	3.2	103	0.00
36 T	1,1-Dichloropropene	0.418	0.417	0.2	107	0.00
37 T	Ethyl Acetate	0.162	0.165	-1.9	112	0.00
38 T	Carbon Tetrachloride	0.492	0.487	1.0	107	0.00
39 T	Methylcyclohexane	0.534	0.564	-5.6	110	0.00
40 TM	Benzene	1.316	1.310	0.5	107	0.00
41 T	Methacrylonitrile	0.088	0.077	12.5	96	0.00
42 TM	1,2-Dichloroethane	0.333	0.324	2.7	106	0.00
43 T	Isopropyl Acetate	0.304	0.313	-3.0	112	0.00
44 TM	Trichloroethene	0.378	0.368	2.6	106	0.00
45 C	1,2-Dichloropropane	0.290	0.290	0.0	107	0.00
46 T	Dibromomethane	0.180	0.179	0.6	109	0.00
47 T	Bromodichloromethane	0.454	0.449	1.1	106	0.00
48 T	Methyl methacrylate	0.143	0.152	-6.3	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	108	0.00
50 S	Toluene-d8	1.164	1.171	-0.6	104	0.00
51 T	4-Methyl-2-Pentanone	0.162	0.166	-2.5	111	0.00
52 CM	Toluene	0.840	0.866	-3.1#	107	0.00
53 T	t-1,3-Dichloropropene	0.384	0.394	-2.6	107	0.00
54 T	cis-1,3-Dichloropropene	0.460	0.472	-2.6	107	0.00
55 T	1,1,2-Trichloroethane	0.241	0.236	2.1	106	0.00
56 T	Ethyl methacrylate	0.265	0.293	-10.6	111	0.00
57 T	1,3-Dichloropropane	0.381	0.380	0.3	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.122	0.132	-8.2	109	0.00
59 T	2-Hexanone	0.118	0.121	-2.5	111	0.00
60 T	Dibromochloromethane	0.330	0.331	-0.3	107	0.00
61 T	1,2-Dibromoethane	0.226	0.226	0.0	107	0.00
62 S	4-Bromofluorobenzene	0.376	0.388	-3.2	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.520	0.491	5.6	100	0.00
65 PM	Chlorobenzene	1.088	1.085	0.3	106	0.00
66 T	1,1,1,2-Tetrachloroethane	0.385	0.381	1.0	106	0.00
67 C	Ethyl Benzene	1.762	1.845	-4.7#	107	0.00
68 T	m/p-Xylenes	0.704	0.740	-5.1	107	0.00
69 T	o-Xylene	0.651	0.691	-6.1	107	0.00
70 T	Styrene	1.074	1.144	-6.5	107	0.00
71 P	Bromoform	0.225	0.226	-0.4	108	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	3.344	3.555	-6.3	108	0.00
74 T	N-amyl acetate	0.566	0.599	-5.8	109	0.00
75 P	1,1,2,2-Tetrachloroethane	0.534	0.538	-0.7	113	0.00
76 T	1,2,3-Trichloropropane	0.405	0.385	4.9	109	0.00
77 T	Bromobenzene	0.867	0.874	-0.8	107	0.00
78 T	n-propylbenzene	3.933	4.148	-5.5	107	0.00
79 T	2-Chlorotoluene	2.283	2.359	-3.3	107	0.00
80 T	1,3,5-Trimethylbenzene	2.717	2.890	-6.4	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.179	0.176	1.7	108	0.00
82 T	4-Chlorotoluene	2.354	2.420	-2.8	107	0.00
83 T	tert-Butylbenzene	2.475	2.678	-8.2	110	0.00
84 T	1,2,4-Trimethylbenzene	2.691	2.875	-6.8	107	0.00
85 T	sec-Butylbenzene	3.569	3.806	-6.6	109	0.00
86 T	p-Isopropyltoluene	3.022	3.259	-7.8	108	0.00
87 T	1,3-Dichlorobenzene	1.707	1.709	-0.1	106	0.00
88 T	1,4-Dichlorobenzene	1.677	1.645	1.9	105	0.00
89 T	n-Butylbenzene	2.627	2.857	-8.8	109	0.00
90 T	Hexachloroethane	0.649	0.648	0.2	107	0.00
91 T	1,2-Dichlorobenzene	1.471	1.474	-0.2	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.082	0.078	4.9	108	0.00
93 T	1,2,4-Trichlorobenzene	0.842	0.894	-6.2	110	0.00
94 T	Hexachlorobutadiene	0.551	0.557	-1.1	106	0.00
95 T	Naphthalene	1.257	1.406	-11.9	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	0.703	0.753	-7.1	111	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	106	0.00
2 T	Dichlorodifluoromethane	50.000	42.448	15.1	107	0.00
3 P	Chloromethane	50.000	45.957	8.1	108	0.00
4 C	Vinyl Chloride	50.000	45.438	9.1#	105	0.00
5 T	Bromomethane	50.000	45.434	9.1	109	0.00
6 T	Chloroethane	50.000	46.809	6.4	106	0.00
7 T	Trichlorofluoromethane	50.000	46.359	7.3	106	0.00
8 T	Diethyl Ether	50.000	48.252	3.5	108	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.433	5.1	107	0.00
10 T	Methyl Iodide	50.000	47.558	4.9	96	0.00
11 T	Tert butyl alcohol	250.000	224.660	10.1	114	0.00
12 CM	1,1-Dichloroethene	50.000	48.194	3.6#	108	0.00
13 T	Acrolein	250.000	213.558	14.6	108	0.00
14 T	Allyl chloride	50.000	50.006	-0.0	109	0.00
15 T	Acrylonitrile	250.000	245.434	1.8	110	0.00
16 T	Acetone	250.000	228.644	8.5	108	0.00
17 T	Carbon Disulfide	50.000	47.235	5.5	106	0.00
18 T	Methyl Acetate	50.000	44.328	11.3	104	0.00
19 T	Methyl tert-butyl Ether	50.000	51.062	-2.1	111	0.00
20 T	Methylene Chloride	50.000	45.791	8.4	108	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.048	1.9	107	0.00
22 T	Diisopropyl ether	50.000	51.273	-2.5	107	0.00
23 T	Vinyl Acetate	250.000	264.163	-5.7	111	0.00
24 P	1,1-Dichloroethane	50.000	48.064	3.9	106	0.00
25 T	2-Butanone	250.000	236.507	5.4	110	0.00
26 T	2,2-Dichloropropane	50.000	48.402	3.2	107	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.682	0.6	108	0.00
28 T	Bromochloromethane	50.000	46.849	6.3	105	0.00
29 T	Tetrahydrofuran	250.000	250.229	-0.1	111	0.00
30 C	Chloroform	50.000	47.888	4.2#	106	0.00
31 T	Cyclohexane	50.000	48.520	3.0	109	0.00
32 T	1,1,1-Trichloroethane	50.000	48.137	3.7	106	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.805	6.4	104	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	48.291	3.4	103	0.00
36 T	1,1-Dichloropropene	50.000	49.878	0.2	107	0.00
37 T	Ethyl Acetate	50.000	50.997	-2.0	112	0.00
38 T	Carbon Tetrachloride	50.000	49.462	1.1	107	0.00
39 T	Methylcyclohexane	50.000	52.876	-5.8	110	0.00
40 TM	Benzene	50.000	49.773	0.5	107	0.00
41 T	Methacrylonitrile	50.000	43.412	13.2	96	0.00
42 TM	1,2-Dichloroethane	50.000	48.630	2.7	106	0.00
43 T	Isopropyl Acetate	50.000	51.490	-3.0	112	0.00
44 TM	Trichloroethene	50.000	48.741	2.5	106	0.00
45 C	1,2-Dichloropropane	50.000	49.835	0.3#	107	0.00
46 T	Dibromomethane	50.000	49.780	0.4	109	0.00
47 T	Bromodichloromethane	50.000	49.512	1.0	106	0.00
48 T	Methyl methacrylate	50.000	53.056	-6.1	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	1001.883	-0.2	108	0.00
50 S	Toluene-d8	50.000	50.309	-0.6	104	0.00
51 T	4-Methyl-2-Pentanone	250.000	257.714	-3.1	111	0.00
52 CM	Toluene	50.000	51.540	-3.1#	107	0.00
53 T	t-1,3-Dichloropropene	50.000	51.286	-2.6	107	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.251	-2.5	107	0.00
55 T	1,1,2-Trichloroethane	50.000	49.096	1.8	106	0.00
56 T	Ethyl methacrylate	50.000	55.214	-10.4	111	0.00
57 T	1,3-Dichloropropane	50.000	49.813	0.4	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	271.549	-8.6	109	0.00
59 T	2-Hexanone	250.000	256.278	-2.5	111	0.00
60 T	Dibromochloromethane	50.000	50.005	-0.0	107	0.00
61 T	1,2-Dibromoethane	50.000	50.038	-0.1	107	0.00
62 S	4-Bromofluorobenzene	50.000	51.484	-3.0	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	47.199	5.6	100	0.00
65 PM	Chlorobenzene	50.000	49.832	0.3	106	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.452	1.1	106	0.00
67 C	Ethyl Benzene	50.000	52.373	-4.7#	107	0.00
68 T	m/p-Xylenes	100.000	105.195	-5.2	107	0.00
69 T	o-Xylene	50.000	53.114	-6.2	107	0.00
70 T	Styrene	50.000	53.283	-6.6	107	0.00
71 P	Bromoform	50.000	50.360	-0.7	108	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	53.146	-6.3	108	0.00
74 T	N-ethyl acetate	50.000	52.899	-5.8	109	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.335	-0.7	113	0.00
76 T	1,2,3-Trichloropropane	50.000	47.550	4.9	109	0.00
77 T	Bromobenzene	50.000	50.384	-0.8	107	0.00
78 T	n-propylbenzene	50.000	52.723	-5.4	107	0.00
79 T	2-Chlorotoluene	50.000	51.669	-3.3	107	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.189	-6.4	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.252	1.5	108	0.00
82 T	4-Chlorotoluene	50.000	51.412	-2.8	107	0.00
83 T	tert-Butylbenzene	50.000	54.107	-8.2	110	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.419	-6.8	107	0.00
85 T	sec-Butylbenzene	50.000	53.321	-6.6	109	0.00
86 T	p-Isopropyltoluene	50.000	53.924	-7.8	108	0.00
87 T	1,3-Dichlorobenzene	50.000	50.050	-0.1	106	0.00
88 T	1,4-Dichlorobenzene	50.000	49.051	1.9	105	0.00
89 T	n-Butylbenzene	50.000	54.369	-8.7	109	0.00
90 T	Hexachloroethane	50.000	49.923	0.2	107	0.00
91 T	1,2-Dichlorobenzene	50.000	50.082	-0.2	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.551	4.9	108	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.138	-6.3	110	0.00
94 T	Hexachlorobutadiene	50.000	50.535	-1.1	106	0.00
95 T	Naphthalene	50.000	48.012	4.0	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023668.D
Acq On : 04 Nov 2025 12:14
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY110425

Quant Time: Nov 05 04:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	53.559	-7.1	111	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3483</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>11/06/2025 08:42</u>
Lab File ID:	<u>VY023692.D</u>	Init. Calib. Date(s):	<u>11/04/2025 11/04/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:19 11:27</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.328	0.287		-12.5	20
Chloromethane	0.459	0.441	0.1	-3.92	20
Vinyl Chloride	0.598	0.567		-5.18	20
Ethyl Acetate	0.162	0.165		1.85	20
Isopropyl Acetate	0.304	0.294		-3.29	20
Bromomethane	0.503	0.450		-10.54	20
Chloroethane	0.413	0.403		-2.42	20
Tetrahydrofuran	0.065	0.064		-1.54	20
Trichlorofluoromethane	0.842	0.801		-4.87	20
1,1,2-Trichlorotrifluoroethane	0.464	0.452		-2.59	20
Tert butyl alcohol	0.028	0.024		-14.29	20
Diethyl Ether	0.226	0.208		-7.97	20
1,1-Dichloroethene	0.447	0.435		-2.68	20
Acrolein	0.035	0.027		-22.86	20
Acrylonitrile	0.086	0.085		-1.16	20
Acetone	0.106	0.111		4.72	20
Carbon Disulfide	1.371	1.371		0	20
Methyl tert-butyl Ether	1.036	1.010		-2.51	20
Methyl Acetate	0.234	0.221		-5.56	20
Methylene Chloride	0.512	0.493		-3.71	20
trans-1,2-Dichloroethene	0.504	0.513		1.79	20
Vinyl Acetate	0.647	0.672		3.86	20
1,1-Dichloroethane	0.807	0.815	0.1	0.99	20
Cyclohexane	0.703	0.687		-2.28	20
2-Butanone	0.123	0.120		-2.44	20
Carbon Tetrachloride	0.492	0.508		3.25	20
2,2-Dichloropropane	0.742	0.763		2.83	20
cis-1,2-Dichloroethene	0.575	0.579		0.7	20
Bromochloromethane	0.309	0.315		1.94	20
Chloroform	0.901	0.914		1.44	20
1,1,1-Trichloroethane	0.805	0.806		0.12	20
Methylcyclohexane	0.534	0.552		3.37	20
1,1-Dichloropropene	0.418	0.435		4.07	20
Benzene	1.316	1.374		4.41	20
1,2-Dichloroethane	0.333	0.335		0.6	20
Trichloroethene	0.378	0.379		0.26	20
1,2-Dichloropropane	0.290	0.300		3.45	20
Dibromomethane	0.180	0.182		1.11	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:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3483</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>11/06/2025 08:42</u>
Lab File ID:	<u>VY023692.D</u>	Init. Calib. Date(s):	<u>11/04/2025 11/04/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:19 11:27</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Bromodichloromethane	0.454	0.470		3.52	20
4-Methyl-2-Pentanone	0.162	0.162		0	20
Methyl methacrylate	0.143	0.145		1.4	20
Toluene	0.840	0.895		6.55	20
t-1,3-Dichloropropene	0.384	0.396		3.13	20
cis-1,3-Dichloropropene	0.460	0.479		4.13	20
1,1,2-Trichloroethane	0.241	0.244		1.25	20
1,3-Dichloropropane	0.381	0.390		2.36	20
2-Chloroethyl Vinyl ether	0.122	0.126		3.28	20
2-Hexanone	0.118	0.120		1.7	20
Dibromochloromethane	0.330	0.332		0.61	20
1,2-Dibromoethane	0.226	0.226		0	20
Tetrachloroethene	0.520	0.519		-0.19	20
Chlorobenzene	1.089	1.108	0.3	1.75	20
1,1,1,2-Tetrachloroethane	0.385	0.393		2.08	20
Hexachloroethane	0.649	0.668		2.93	20
Ethyl Benzene	1.762	1.896		7.61	20
m/p-Xylenes	0.704	0.762		8.24	20
o-Xylene	0.651	0.691		6.14	20
Styrene	1.074	1.161		8.1	20
Bromoform	0.225	0.222	0.1	-1.33	20
Isopropylbenzene	3.344	3.627		8.46	20
1,1,2,2-Tetrachloroethane	0.534	0.526	0.3	-1.5	20
1,2,3-Trichloropropane	0.405	0.415		2.47	20
Bromobenzene	0.867	0.891		2.77	20
n-propylbenzene	3.934	4.292		9.1	20
2-Chlorotoluene	2.283	2.455		7.53	20
1,3,5-Trimethylbenzene	2.717	3.006		10.64	20
4-Chlorotoluene	2.354	2.526		7.31	20
tert-Butylbenzene	2.475	2.656		7.31	20
1,2,4-Trimethylbenzene	2.691	2.972		10.44	20
sec-Butylbenzene	3.569	3.863		8.24	20
p-Isopropyltoluene	3.022	3.297		9.1	20
1,3-Dichlorobenzene	1.707	1.741		1.99	20
1,4-Dichlorobenzene	1.677	1.694		1.01	20
n-Butylbenzene	2.627	2.900		10.39	20
1,2-Dichlorobenzene	1.471	1.494		1.56	20
1,2-Dibromo-3-Chloropropane	0.082	0.077		-6.1	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:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3483</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>11/06/2025</u> <u>08:42</u>
Lab File ID:	<u>VY023692.D</u>	Init. Calib. Date(s):	<u>11/04/2025</u> <u>11/04/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:19</u> <u>11:27</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2,4-Trichlorobenzene	0.842	0.844		0.24	20
Hexachlorobutadiene	0.551	0.564		2.36	20
Naphthalene	1.257	1.234		-1.83	20
1,2,3-Trichlorobenzene	0.703	0.695		-1.14	20
1,2-Dichloroethane-d4	0.427	0.431		0.94	20
Dibromofluoromethane	0.312	0.326		4.49	20
Toluene-d8	1.164	1.254		7.73	20
4-Bromofluorobenzene	0.376	0.410		9.04	20
N-amyl acetate	0.566	0.562		-0.71	20
Methyl Iodide	0.548	0.569		3.83	20
Allyl chloride	0.544	0.558		2.57	20
trans-1,4-Dichloro-2-butene	0.179	0.179		0	20
Methacrylonitrile	0.088	0.086		-2.27	20
Diisopropyl ether	1.212	1.278		5.45	20
1,4-Dioxane	1.842	1.874	0.05	1.74	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023692.D
 Acq On : 06 Nov 2025 08:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:11:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	535947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	779935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	686552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	343829	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	231061	50.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.080%	
35) Dibromofluoromethane	7.634	113	253987	52.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.220%	
50) Toluene-d8	10.109	98	977701	53.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.700%	
62) 4-Bromofluorobenzene	12.408	95	319587	54.429	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.860%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	153719	43.694	ug/l	97
3) Chloromethane	2.074	50	236313	48.001	ug/l	99
4) Vinyl Chloride	2.208	62	303842	47.430	ug/l	99
5) Bromomethane	2.598	94	240985	44.720	ug/l	97
6) Chloroethane	2.739	64	216012	48.787	ug/l	99
7) Trichlorofluoromethane	3.062	101	429485	47.603	ug/l	99
8) Diethyl Ether	3.458	74	111487	46.079	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	242221	48.727	ug/l	99
10) Methyl Iodide	4.007	142	304822	51.929	ug/l	99
11) Tert butyl alcohol	4.860	59	63352	214.909	ug/l	100
12) 1,1-Dichloroethene	3.793	96	233341	48.730	ug/l	99
13) Acrolein	3.653	56	72090	190.265	ug/l	99
14) Allyl chloride	4.391	41	298881	51.279	ug/l	99
15) Acrylonitrile	5.061	53	227513	246.060	ug/l	99
16) Acetone	3.866	43	297849	262.102	ug/l	95
17) Carbon Disulfide	4.110	76	734844	50.000	ug/l	99
18) Methyl Acetate	4.385	43	118452	47.257	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	541443	48.763	ug/l	99
20) Methylene Chloride	4.616	84	264205	48.161	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	274819	50.901	ug/l	99
22) Diisopropyl ether	6.025	45	684904	52.737	ug/l	99
23) Vinyl Acetate	5.964	43	1800742	259.826	ug/l	99
24) 1,1-Dichloroethane	5.921	63	436899	50.497	ug/l	100
25) 2-Butanone	6.896	43	321194	244.465	ug/l	99
26) 2,2-Dichloropropane	6.884	77	408917	51.381	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	310205	50.307	ug/l	98
28) Bromochloromethane	7.250	49	168937	50.995	ug/l	97
29) Tetrahydrofuran	7.262	42	171724	245.417	ug/l	97
30) Chloroform	7.427	83	490108	50.771	ug/l	100
31) Cyclohexane	7.707	56	368358	48.888	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	432084	50.080	ug/l	99
36) 1,1-Dichloropropene	7.841	75	339044	52.056	ug/l	98
37) Ethyl Acetate	6.988	43	128432	50.938	ug/l	97
38) Carbon Tetrachloride	7.823	117	396586	51.680	ug/l	99
39) Methylcyclohexane	9.109	83	430837	51.771	ug/l	96
40) Benzene	8.085	78	1071461	52.191	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023692.D
 Acq On : 06 Nov 2025 08:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:11:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M

Quant Title : SW846 8260

QLast Update : Wed Nov 05 04:41:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	66920m	48.625	ug/l	
42) 1,2-Dichloroethane	8.158	62	261084	50.268	ug/l	99
43) Isopropyl Acetate	8.201	43	229436	48.431	ug/l	98
44) Trichloroethene	8.866	130	295321	50.084	ug/l	99
45) 1,2-Dichloropropane	9.140	63	233932	51.631	ug/l	99
46) Dibromomethane	9.231	93	141674	50.465	ug/l	97
47) Bromodichloromethane	9.426	83	366848	51.829	ug/l	99
48) Methyl methacrylate	9.225	41	112802	50.398	ug/l	99
49) 1,4-Dioxane	9.225	88	29230	1017.395	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	630843	250.399	ug/l	99
52) Toluene	10.170	92	698091	53.262	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	308969	51.590	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	373395	52.038	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	190645	50.815	ug/l	95
56) Ethyl methacrylate	10.438	69	210565	50.939	ug/l	99
57) 1,3-Dichloropropane	10.719	76	304445	51.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	490497	258.588	ug/l	98
59) 2-Hexanone	10.762	43	469572	255.473	ug/l	99
60) Dibromochloromethane	10.914	129	258963	50.236	ug/l	99
61) 1,2-Dibromoethane	11.018	107	176512	50.132	ug/l	99
64) Tetrachloroethene	10.652	164	356458	49.883	ug/l	98
65) Chlorobenzene	11.444	112	760981	50.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	269685	51.027	ug/l	99
67) Ethyl Benzene	11.518	91	1301401	53.799	ug/l	97
68) m/p-Xylenes	11.627	106	1046555	108.286	ug/l	100
69) o-Xylene	11.957	106	474104	53.067	ug/l	97
70) Styrene	11.969	104	797122	54.077	ug/l	99
71) Bromoform	12.133	173	152278	49.333	ug/l	100
73) Isopropylbenzene	12.255	105	1247196	54.235	ug/l	100
74) N-amyl acetate	12.072	43	193086	49.594	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	180988	49.279	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	142693m	51.280	ug/l	
77) Bromobenzene	12.536	156	306426	51.371	ug/l	97
78) n-propylbenzene	12.597	91	1475672	54.555	ug/l	100
79) 2-Chlorotoluene	12.682	91	844237	53.786	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1033388	55.309	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	61422	49.884	ug/l	97
82) 4-Chlorotoluene	12.780	91	868577	53.657	ug/l	100
83) tert-Butylbenzene	12.999	119	913367	53.674	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1021769	55.213	ug/l	100
85) sec-Butylbenzene	13.176	105	1328351	54.121	ug/l	100
86) p-Isopropyltoluene	13.292	119	1133654	54.561	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	598647	50.991	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	582564	50.514	ug/l	100
89) n-Butylbenzene	13.615	91	997124	55.188	ug/l	99
90) Hexachloroethane	13.877	117	229647	51.431	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	513536	50.757	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26567	46.980	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	290360	50.173	ug/l	99
94) Hexachlorobutadiene	15.023	225	193773	51.103	ug/l	99
95) Naphthalene	15.145	128	424304	42.786	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	238992	49.428	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023692.D
Acq On : 06 Nov 2025 08:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:11:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

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

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

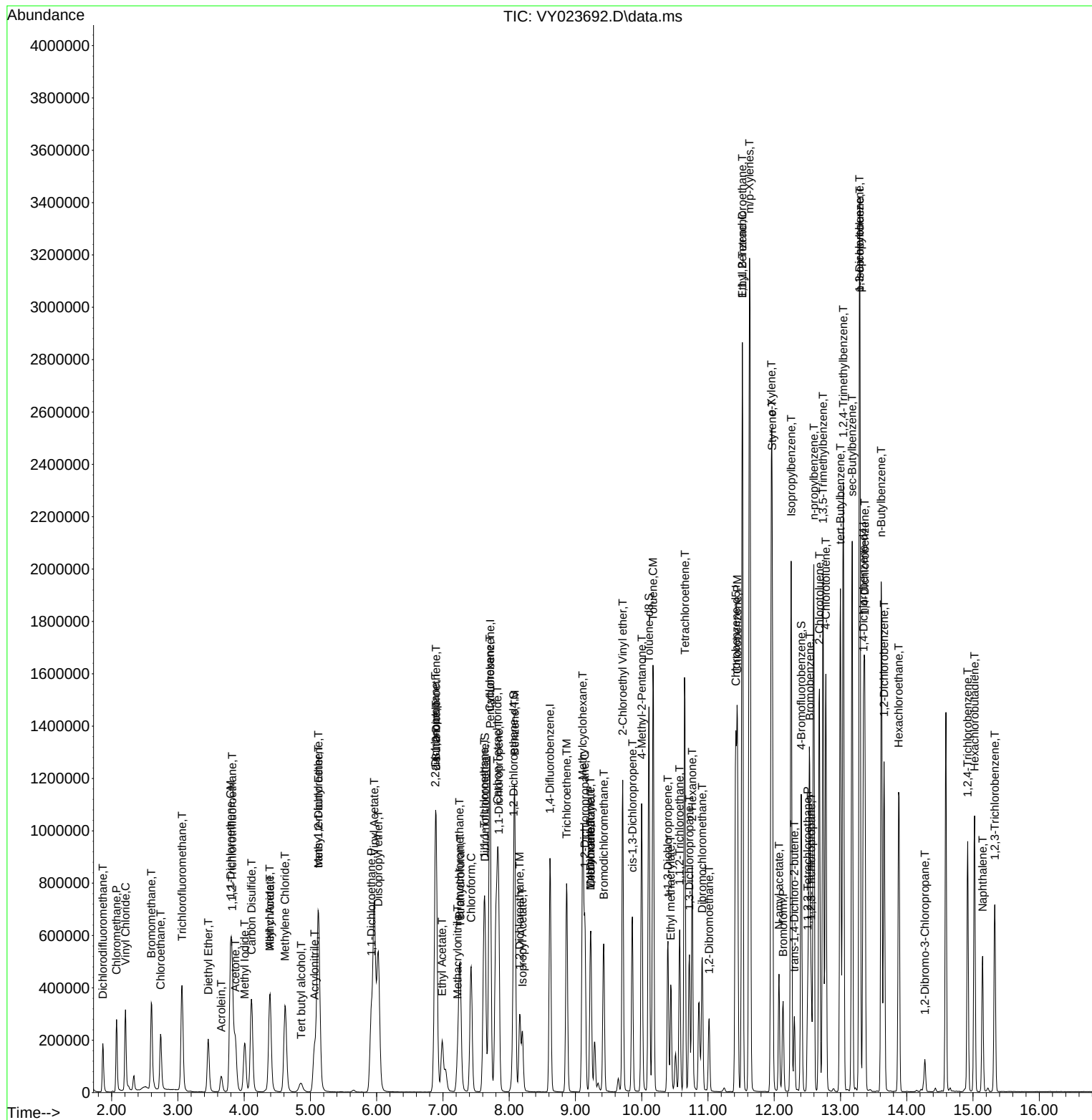
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 Data File : VY023692.D
 Acq On : 06 Nov 2025 08:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

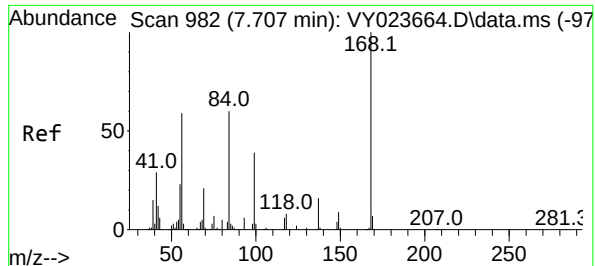
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 07 04:11:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025





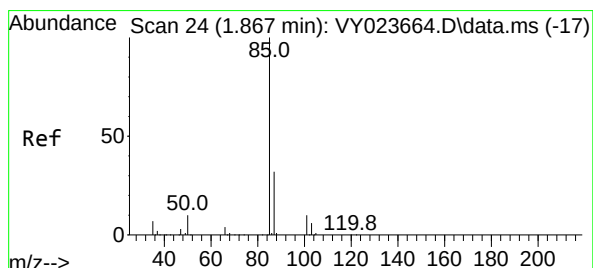
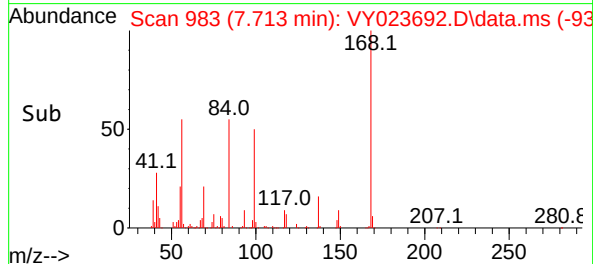
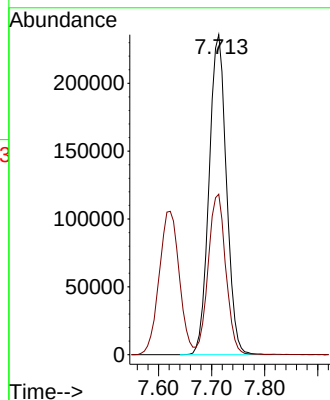
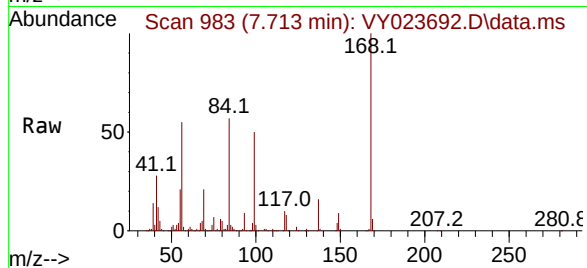
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 53594
Ion Ratio Lower Upper
168 100
99 50.0 41.0 61.4

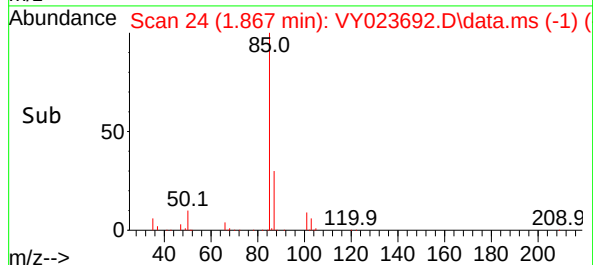
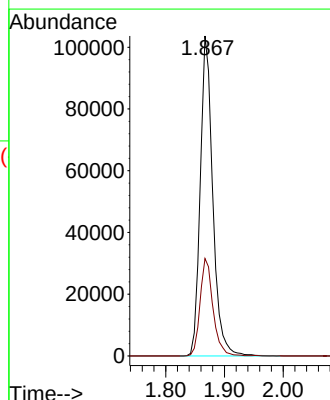
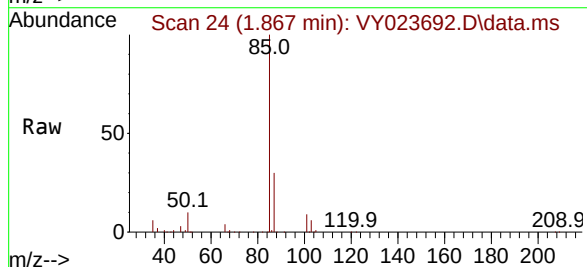
Manual Integrations
APPROVED

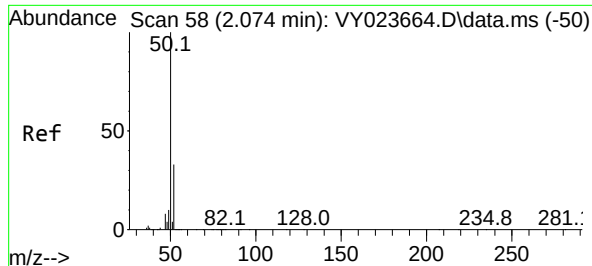
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#2
Dichlorodifluoromethane
Concen: 43.694 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

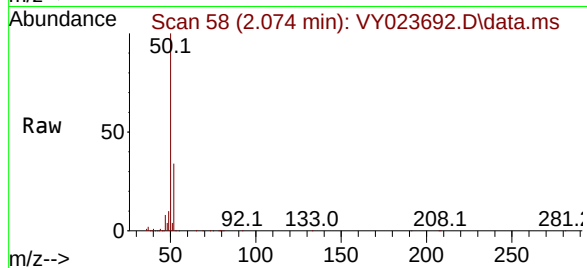
Tgt Ion: 85 Resp: 153719
Ion Ratio Lower Upper
85 100
87 30.5 16.2 48.6





#3
Chloromethane
Concen: 48.001 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

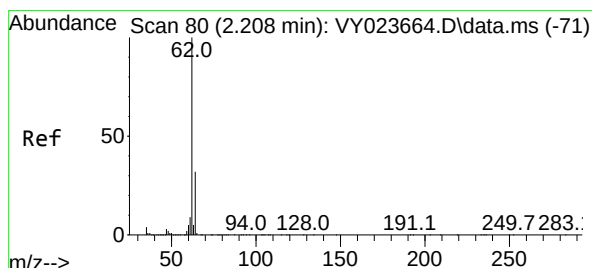
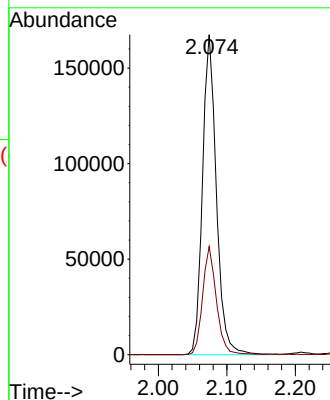
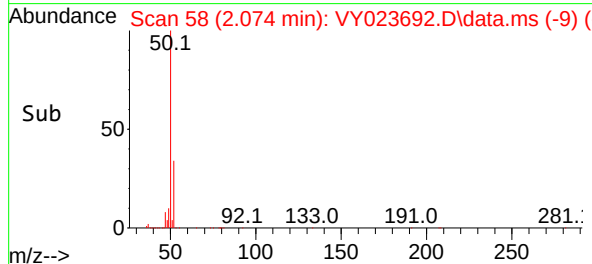
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



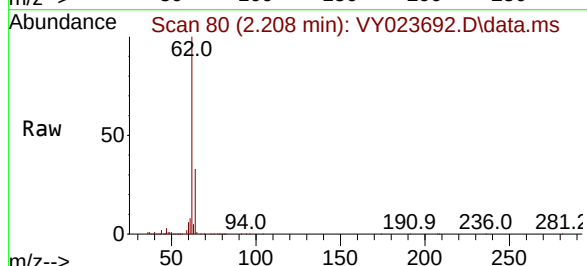
Tgt Ion: 50 Resp: 23631
Ion Ratio Lower Upper
50 100
52 33.8 26.5 39.7

Manual Integrations
APPROVED

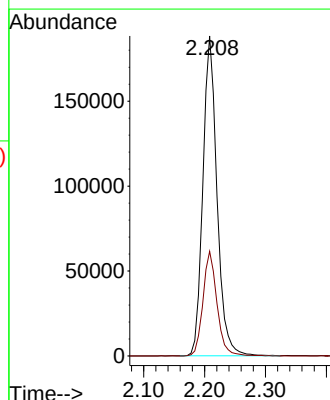
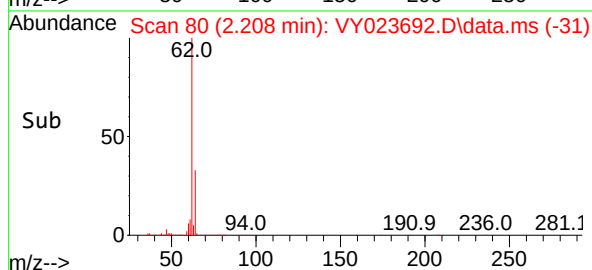
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

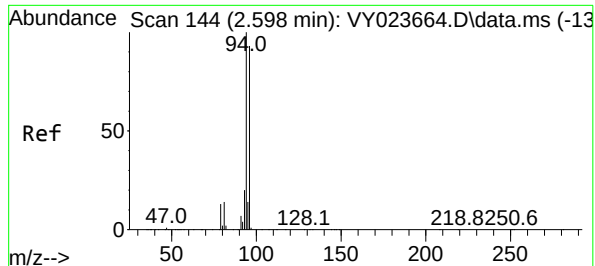


#4
Vinyl Chloride
Concen: 47.430 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42



Tgt Ion: 62 Resp: 303842
Ion Ratio Lower Upper
62 100
64 32.7 25.7 38.5





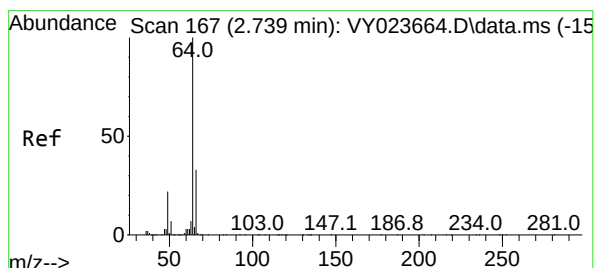
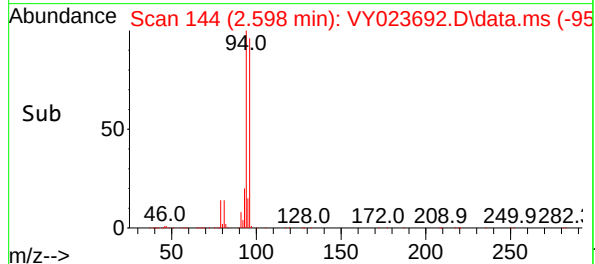
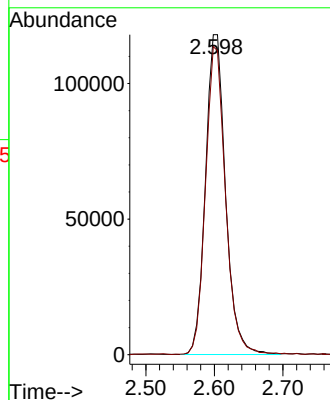
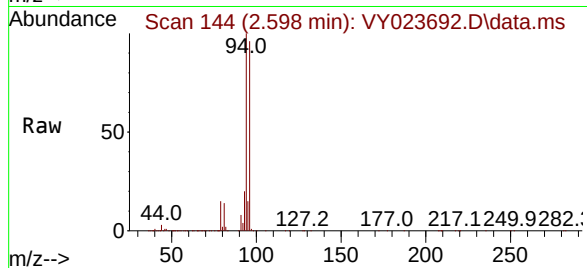
#5
Bromomethane
Concen: 44.720 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 240985
Ion Ratio Lower Upper
94 100
96 96.2 74.4 111.6

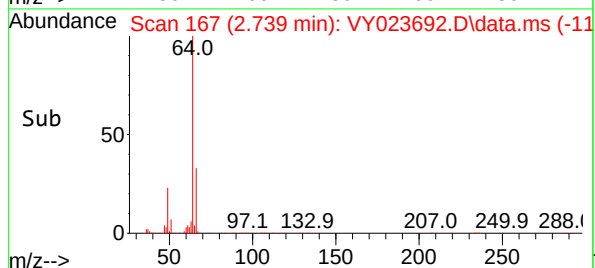
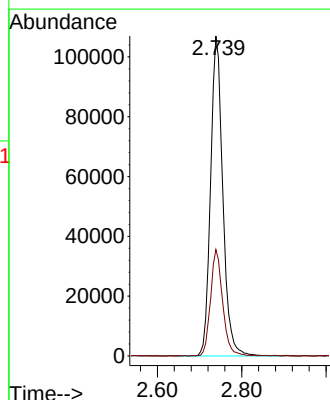
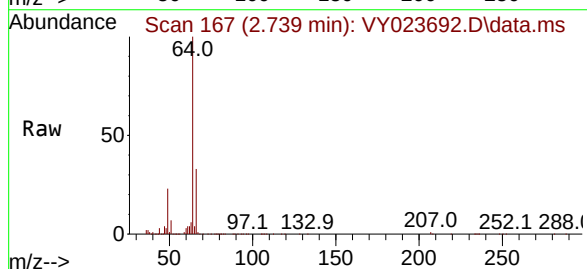
Manual Integrations
APPROVED

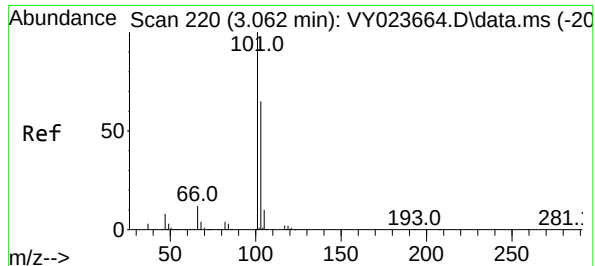
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#6
Chloroethane
Concen: 48.787 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Tgt Ion: 64 Resp: 216012
Ion Ratio Lower Upper
64 100
66 33.2 26.2 39.4





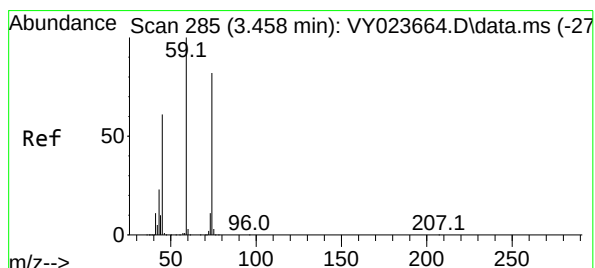
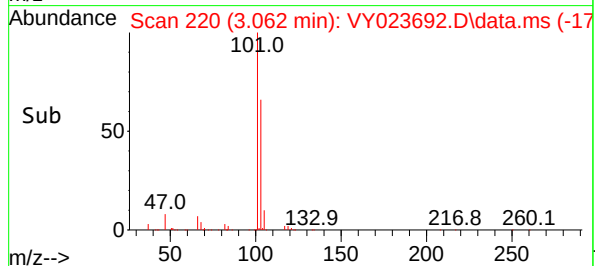
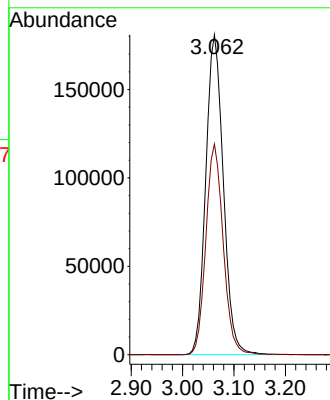
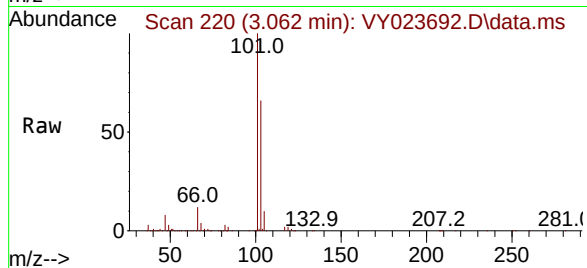
#7
Trichlorofluoromethane
Concen: 47.603 ug/l
RT: 3.062 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 42948
Ion Ratio Lower Upper
101 100
103 65.9 52.1 78.1

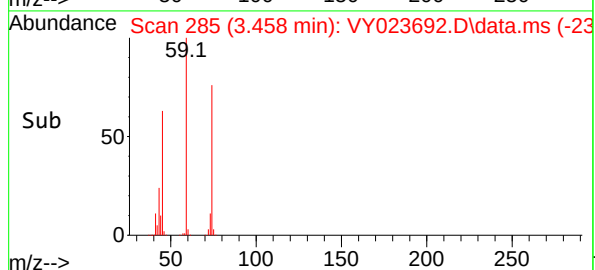
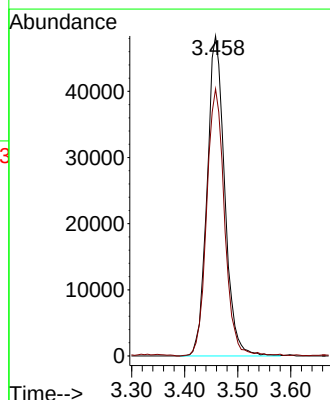
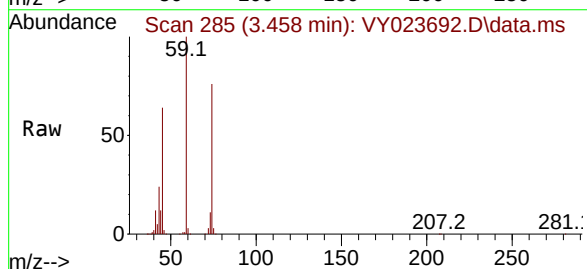
Manual Integrations
APPROVED

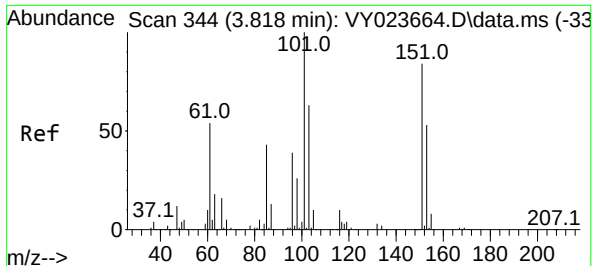
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#8
Diethyl Ether
Concen: 46.079 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Tgt Ion: 74 Resp: 111487
Ion Ratio Lower Upper
74 100
45 84.8 40.6 121.7





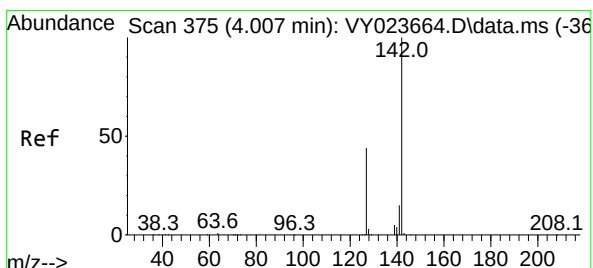
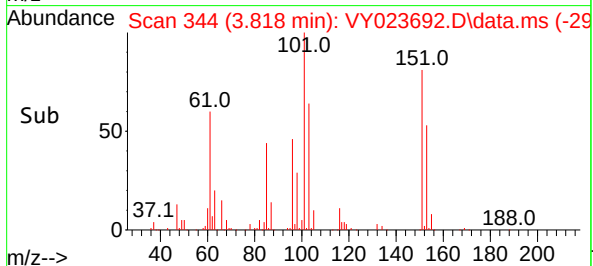
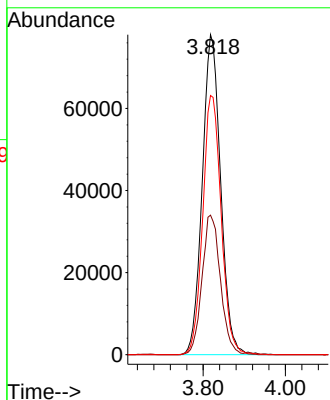
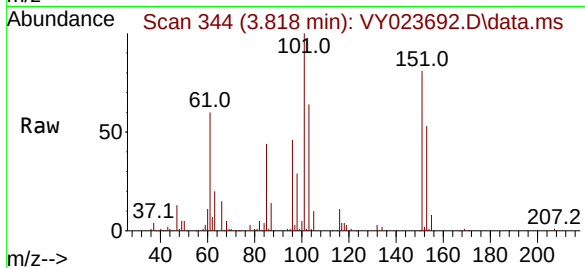
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.727 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 24222
Ion Ratio Lower Upper
101 100
85 43.7 34.4 51.6
151 81.4 65.6 98.4

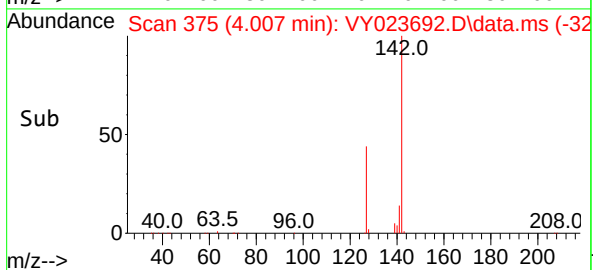
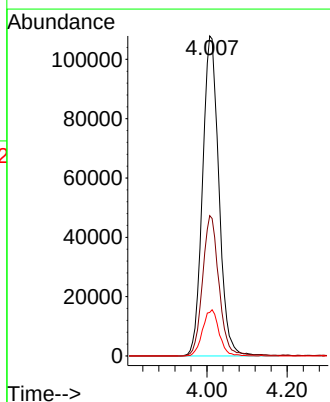
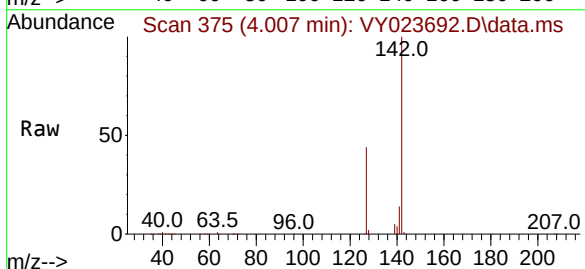
Manual Integrations
APPROVED

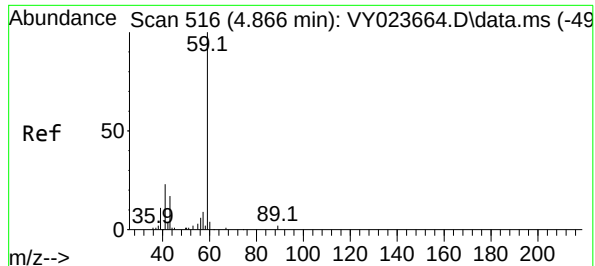
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#10
Methyl Iodide
Concen: 51.929 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Tgt Ion:142 Resp: 304822
Ion Ratio Lower Upper
142 100
127 44.0 34.6 51.8
141 14.6 11.6 17.4





#11

Tert butyl alcohol

Concen: 214.909 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 63352

Ion Ratio Lower Upper

59 100

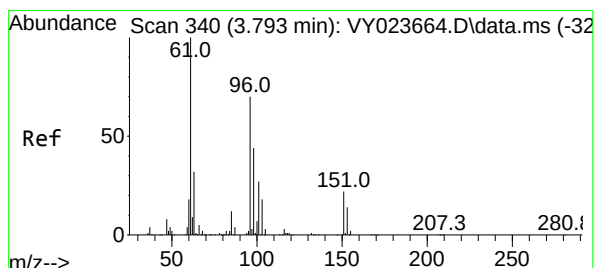
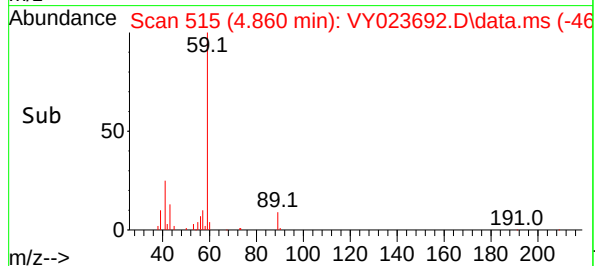
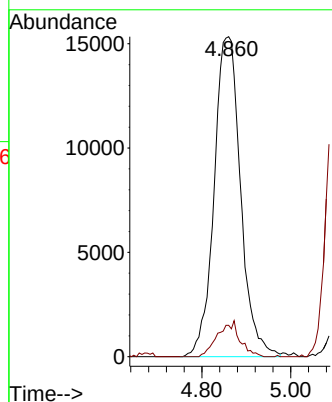
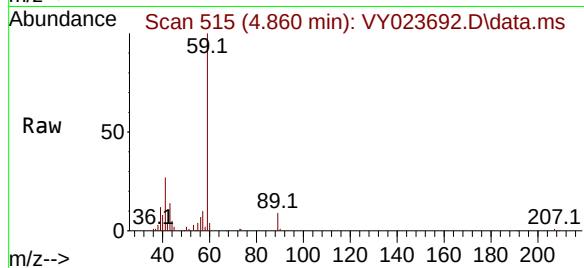
57 9.4 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#12

1,1-Dichloroethene

Concen: 48.730 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

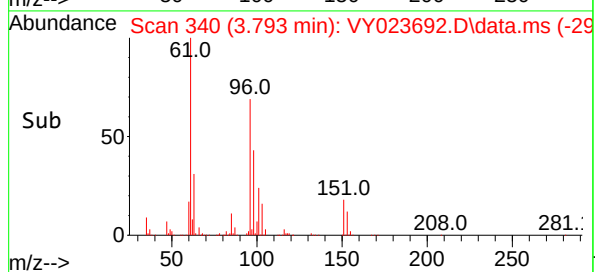
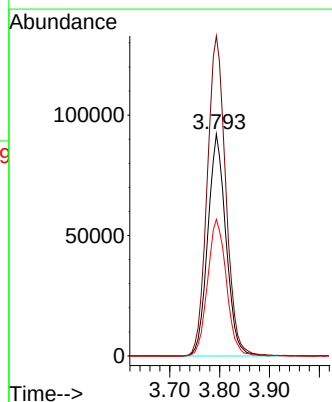
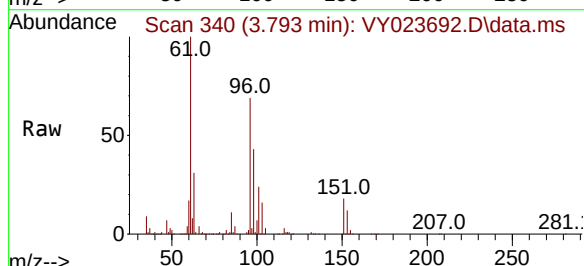
Tgt Ion: 96 Resp: 233341

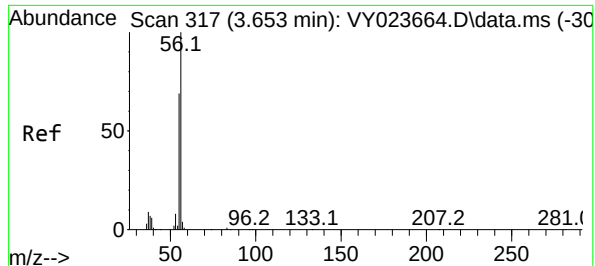
Ion Ratio Lower Upper

96 100

61 144.2 114.0 171.0

98 61.5 50.2 75.2





#13

Acrolein

Concen: 190.265 ug/l

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 72090

Ion Ratio Lower Upper

56 100

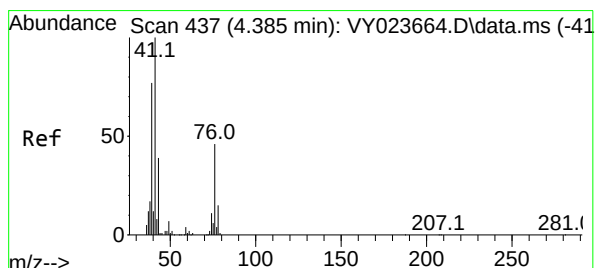
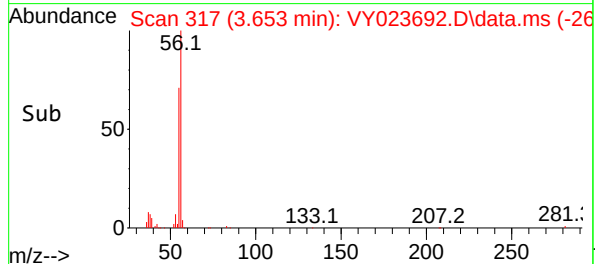
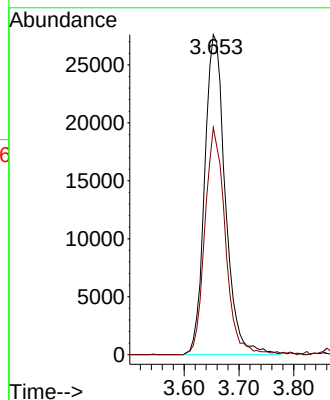
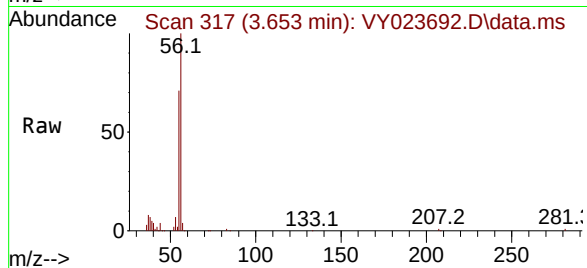
55 69.9 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#14

Allyl chloride

Concen: 51.279 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

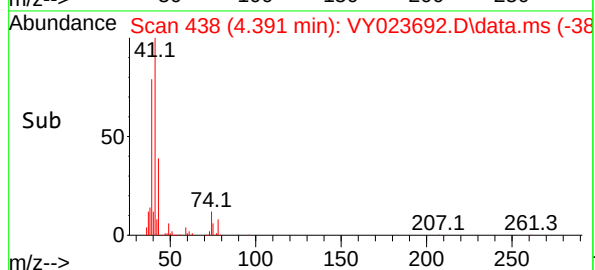
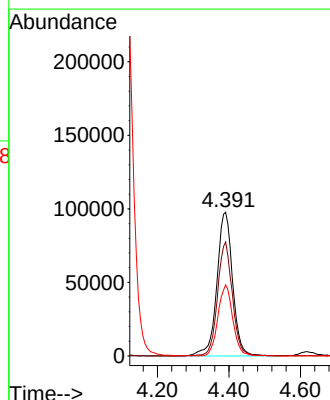
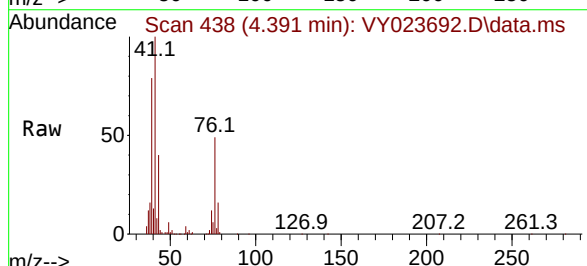
Tgt Ion: 41 Resp: 298881

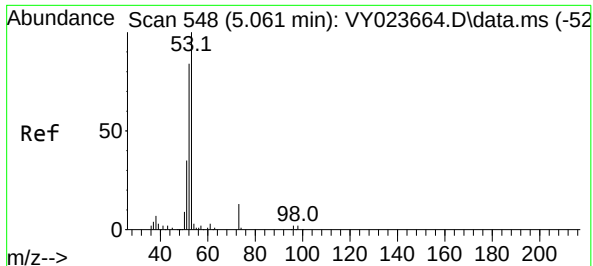
Ion Ratio Lower Upper

41 100

39 74.6 60.4 90.6

76 46.4 38.0 57.0





#15

Acrylonitrile

Concen: 246.060 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 22751

Ion Ratio Lower Upper

53 100

52 80.3 64.9 97.3

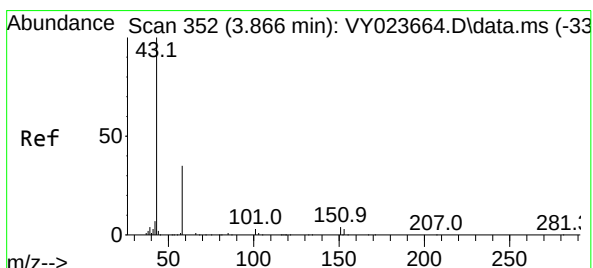
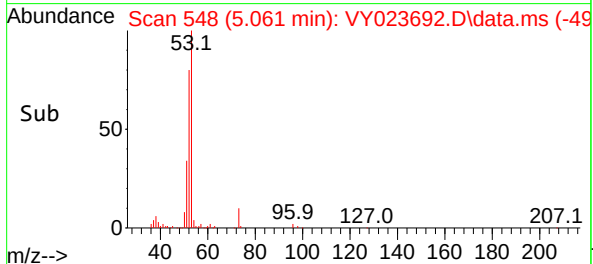
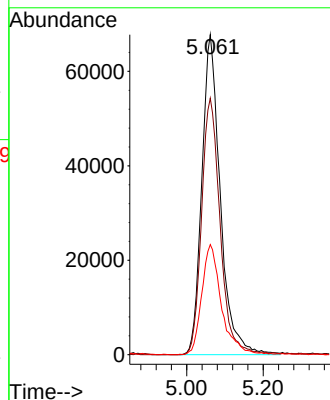
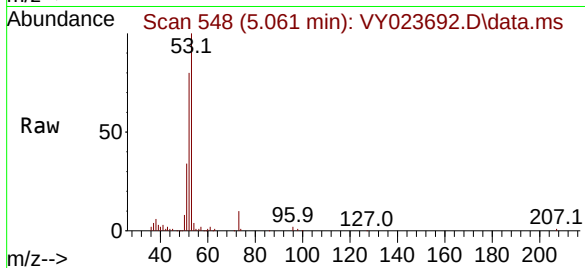
51 36.7 29.4 44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#16

Acetone

Concen: 262.102 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023692.D

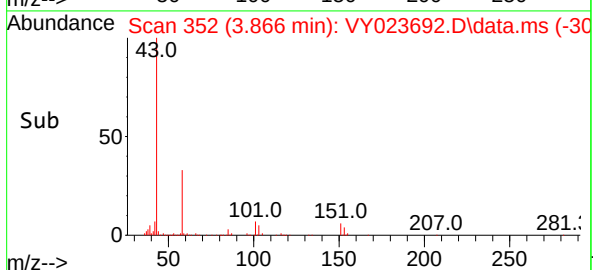
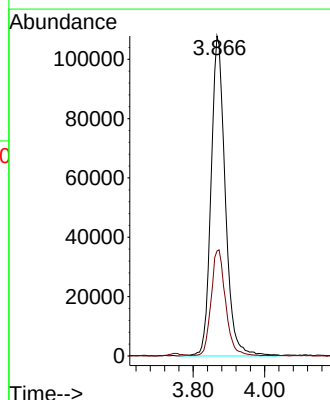
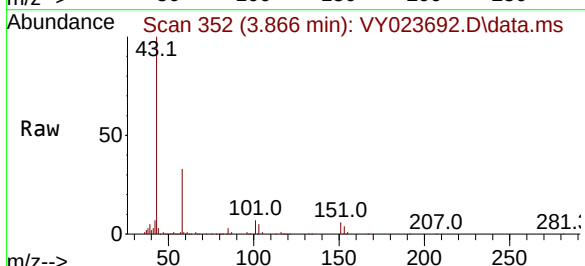
Acq: 06 Nov 2025 08:42

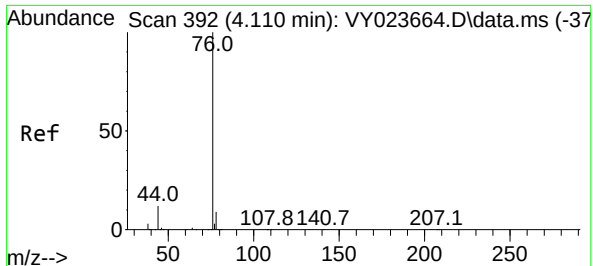
Tgt Ion: 43 Resp: 297849

Ion Ratio Lower Upper

43 100

58 32.6 28.2 42.4





#17

Carbon Disulfide

Concen: 50.000 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 73484

Ion Ratio Lower Upper

76 100

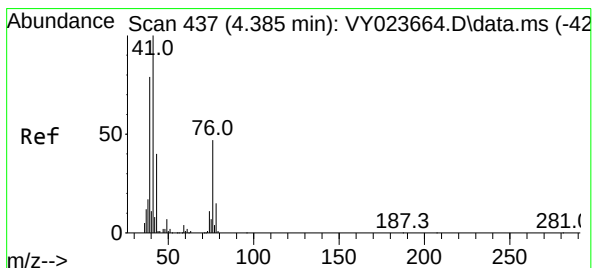
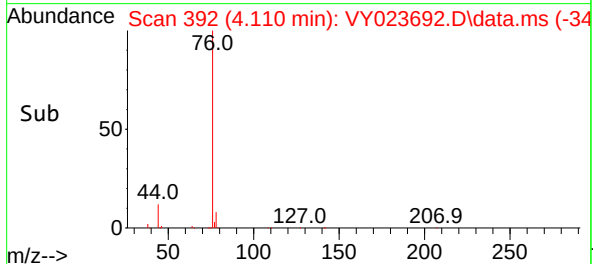
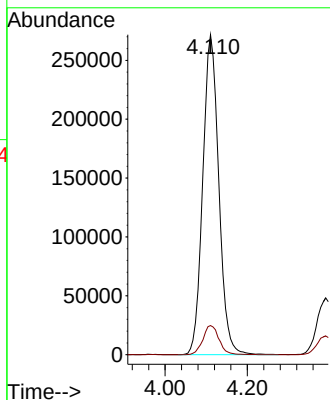
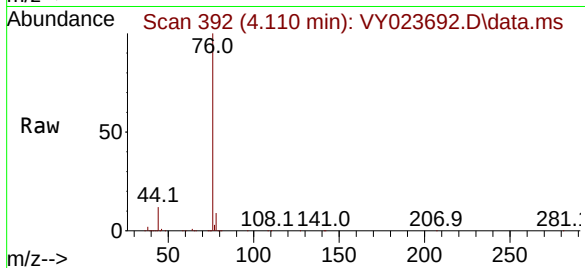
78 9.1 7.1 10.7

Manual Integrations

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Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#18

Methyl Acetate

Concen: 47.257 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023692.D

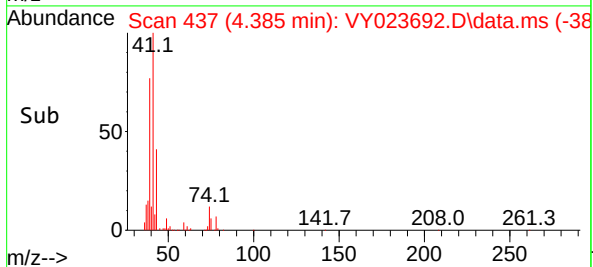
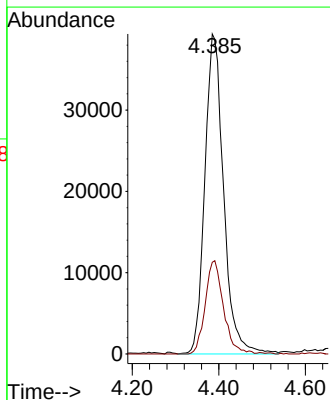
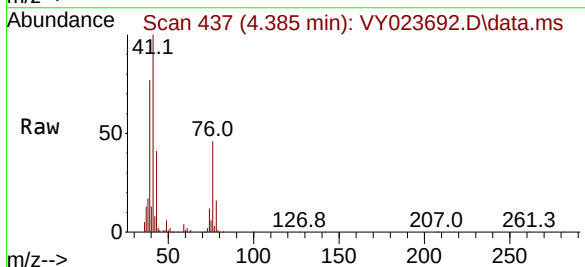
Acq: 06 Nov 2025 08:42

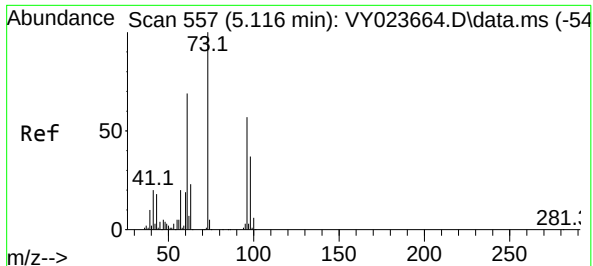
Tgt Ion: 43 Resp: 118452

Ion Ratio Lower Upper

43 100

74 28.4 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 48.763 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 54144

Ion Ratio Lower Upper

73 100

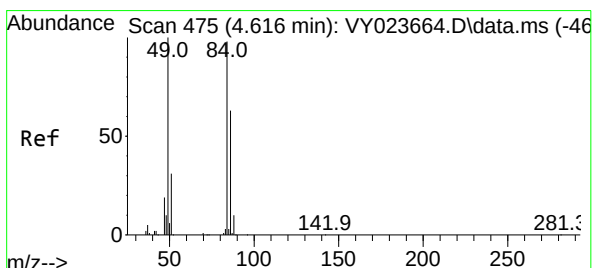
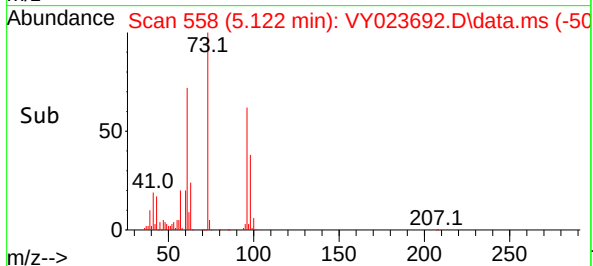
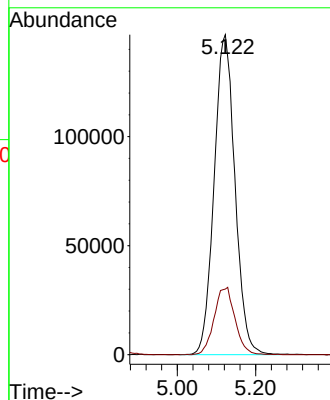
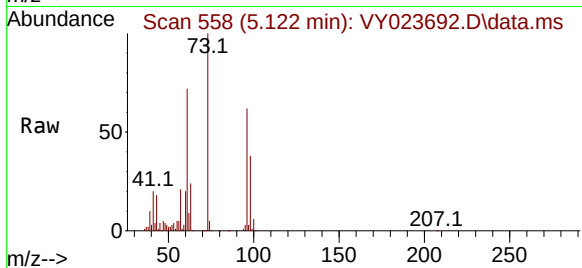
57 20.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#20

Methylene Chloride

Concen: 48.161 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Tgt Ion: 84 Resp: 264205

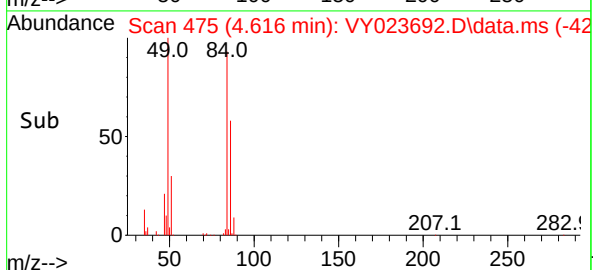
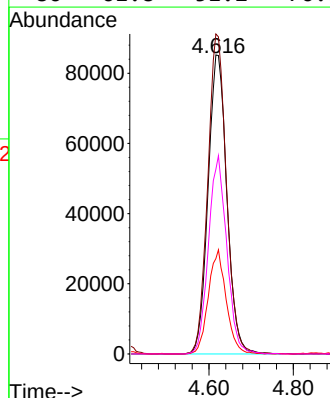
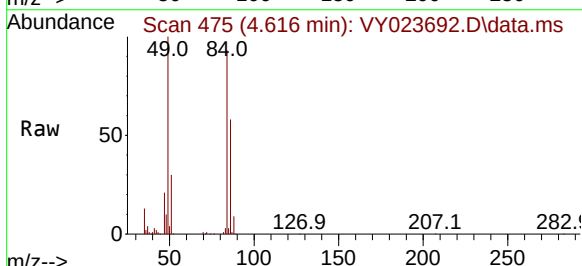
Ion Ratio Lower Upper

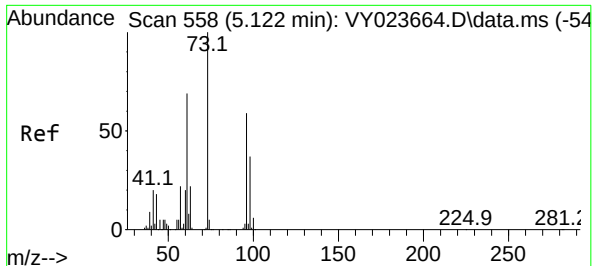
84 100

49 107.0 81.5 122.3

51 31.9 25.5 38.3

86 61.8 51.2 76.8





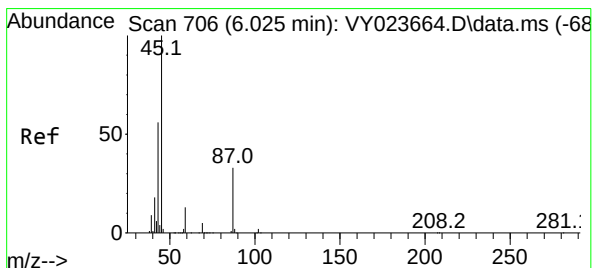
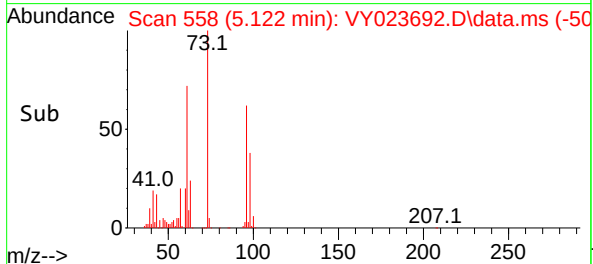
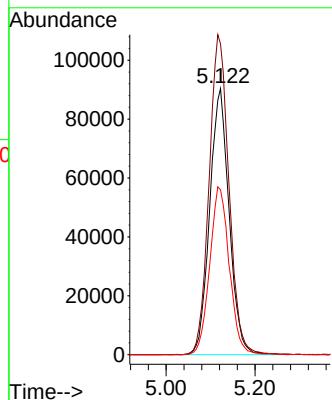
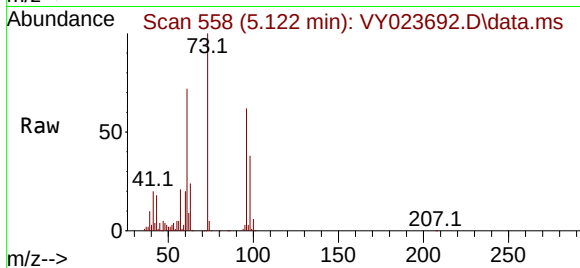
#21
trans-1,2-Dichloroethene
Concen: 50.901 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 274819
Ion Ratio Lower Upper
96 100
61 116.7 93.3 139.9
98 61.9 50.6 75.8

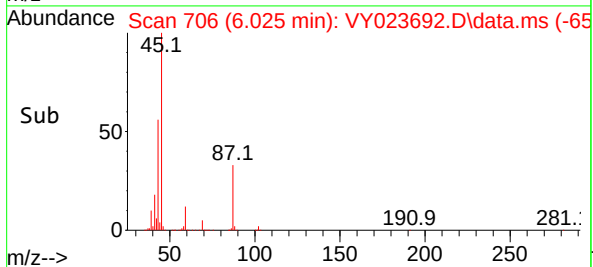
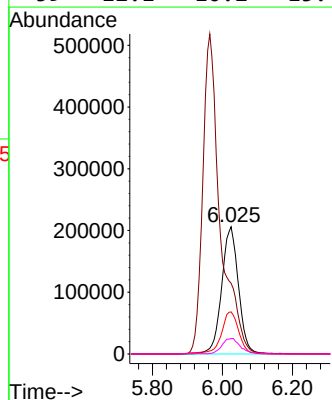
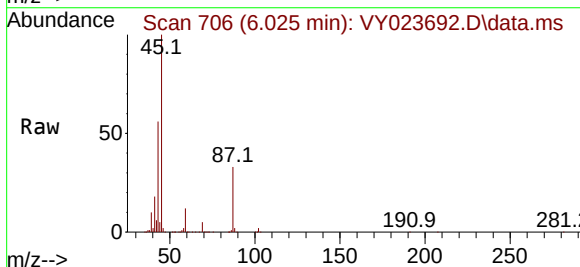
Manual Integrations
APPROVED

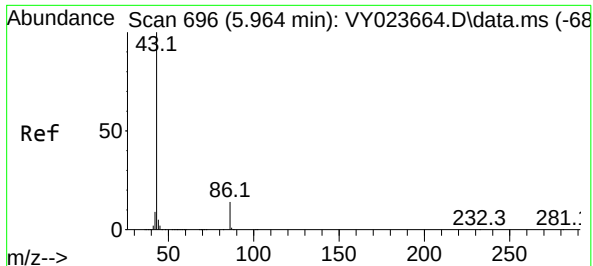
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#22
Diisopropyl ether
Concen: 52.737 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Tgt Ion: 45 Resp: 684904
Ion Ratio Lower Upper
45 100
43 55.6 44.7 67.1
87 33.1 27.2 40.8
59 12.1 10.2 15.4





#23

Vinyl Acetate

Concen: 259.826 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050

Tgt Ion: 43 Resp: 180074

Ion Ratio Lower Upper

43

100

86

13.1

10.9

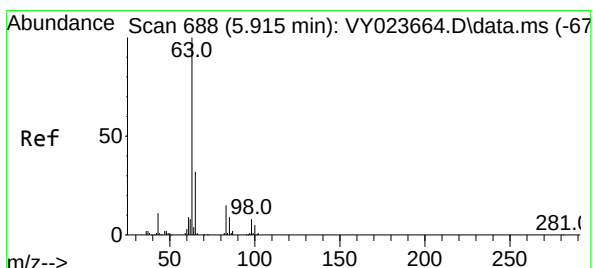
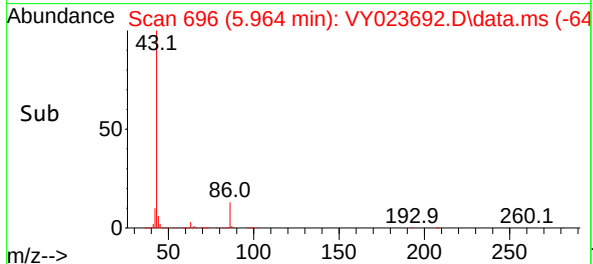
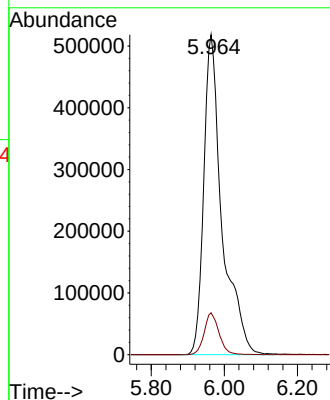
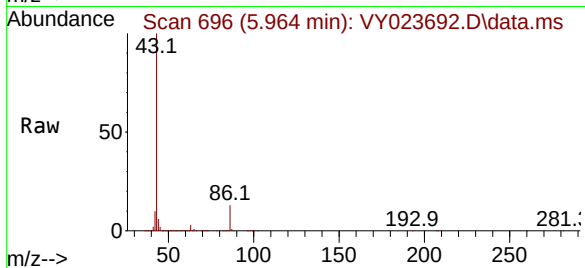
16.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#24

1,1-Dichloroethane

Concen: 50.497 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Tgt Ion: 63 Resp: 436899

Ion Ratio Lower Upper

63

100

98

7.9

4.0

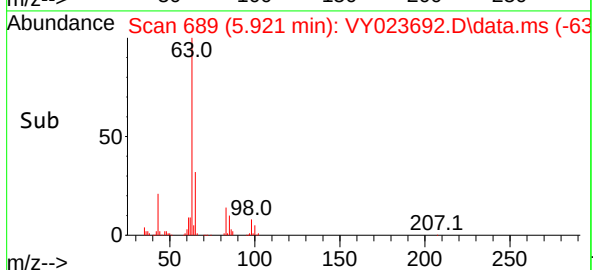
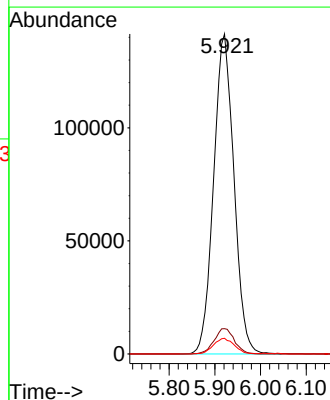
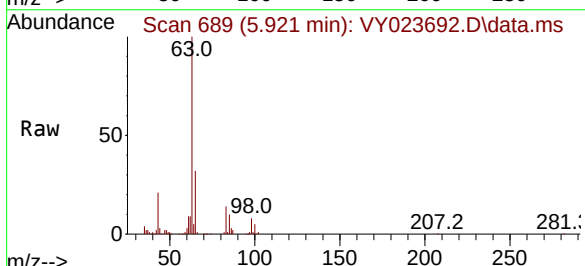
11.9

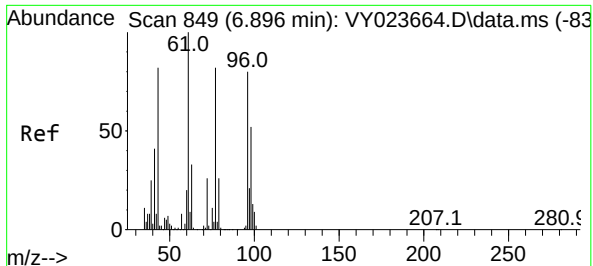
100

4.9

2.6

7.8





#25

2-Butanone

Concen: 244.465 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 321194

Ion Ratio Lower Upper

43 100

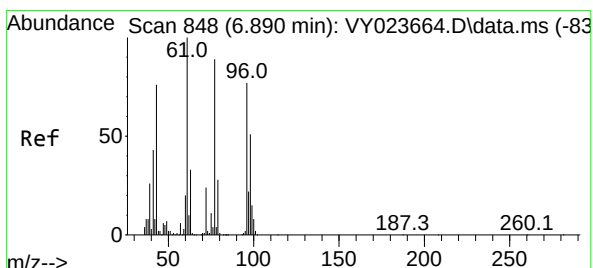
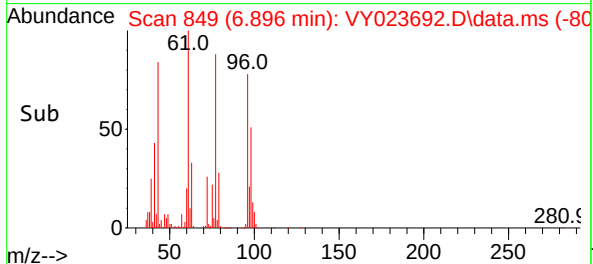
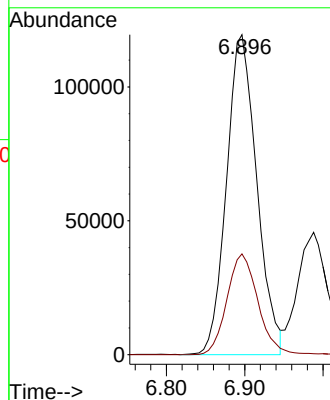
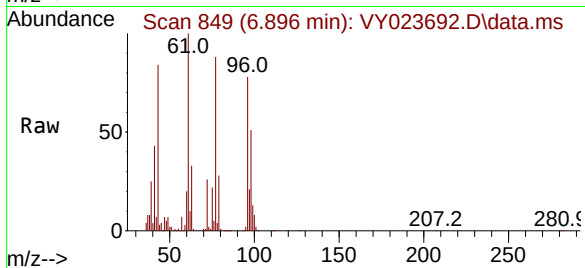
72 31.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#26

2,2-Dichloropropane

Concen: 51.381 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023692.D

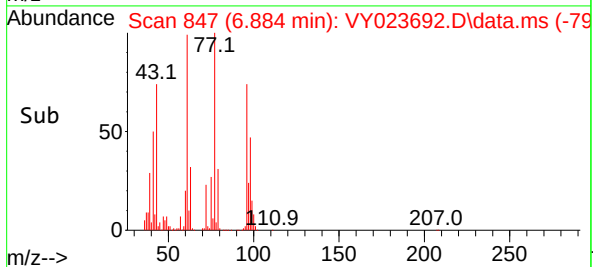
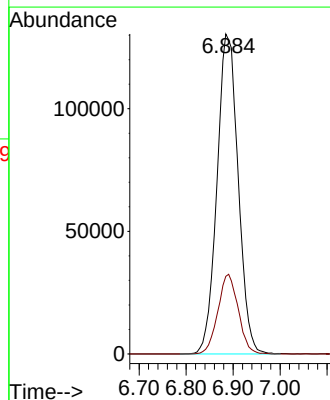
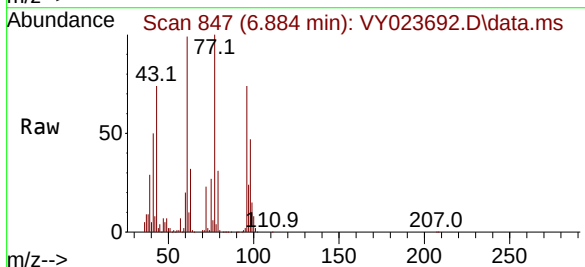
Acq: 06 Nov 2025 08:42

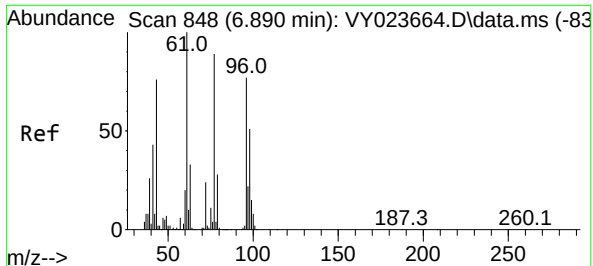
Tgt Ion: 77 Resp: 408917

Ion Ratio Lower Upper

77 100

97 23.9 12.0 36.1





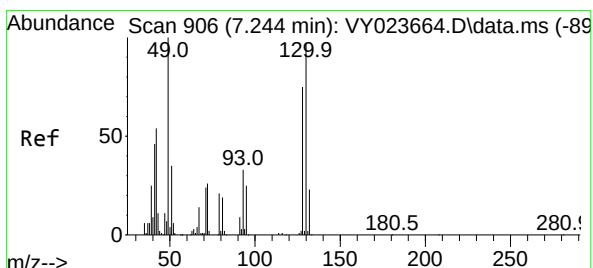
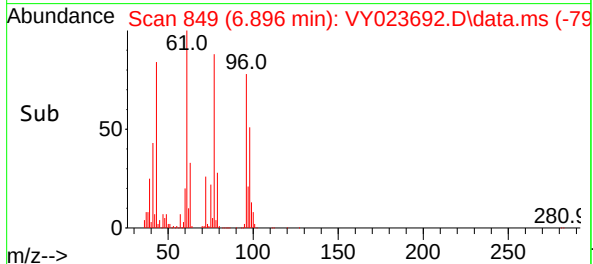
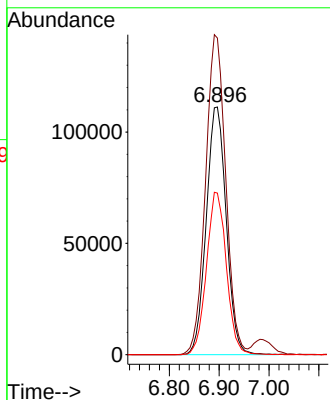
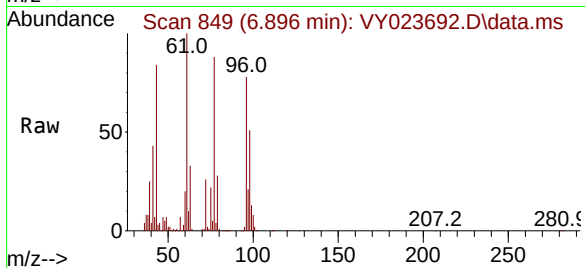
#27
 cis-1,2-Dichloroethene
 Concen: 50.307 ug/l
 RT: 6.896 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VY023692.D
 Acq: 06 Nov 2025 08:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 31020
 Ion Ratio Lower Upper
 96 100
 61 130.5 0.0 255.0
 98 65.3 0.0 129.8

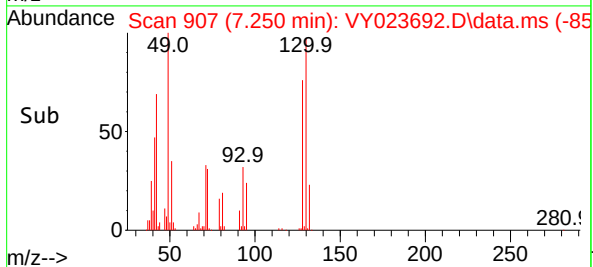
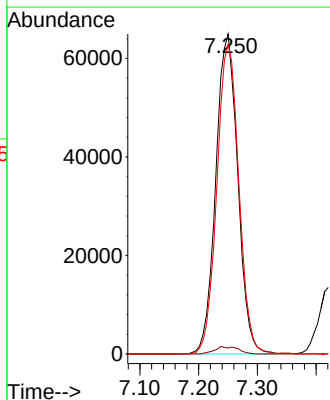
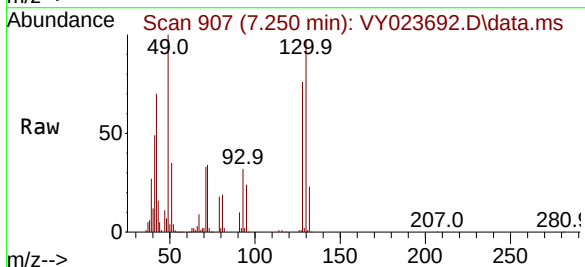
Manual Integrations
 APPROVED

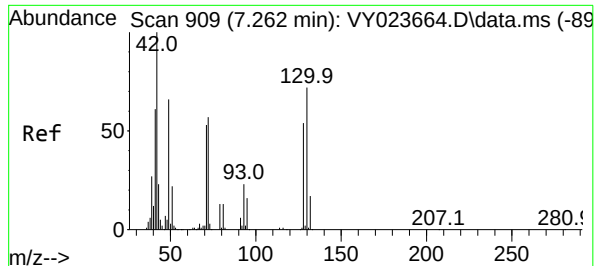
Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#28
 Bromochloromethane
 Concen: 50.995 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY023692.D
 Acq: 06 Nov 2025 08:42

Tgt Ion: 49 Resp: 168937
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 5.0
 130 96.6 80.1 120.1





#29

Tetrahydrofuran

Concen: 245.417 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 171724

Ion Ratio Lower Upper

42 100

72 51.5 43.4 65.2

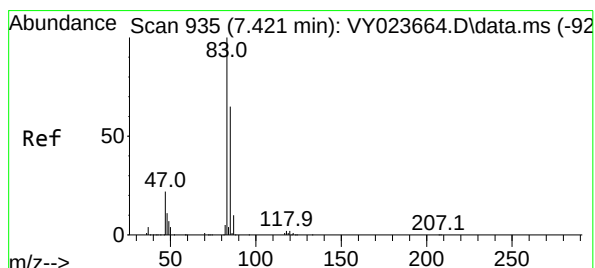
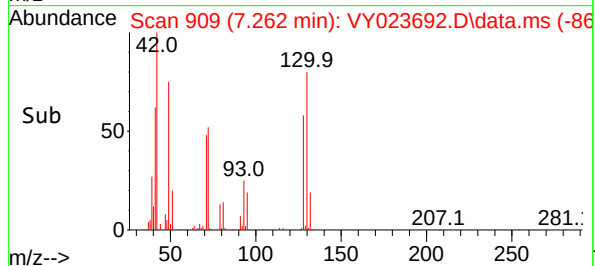
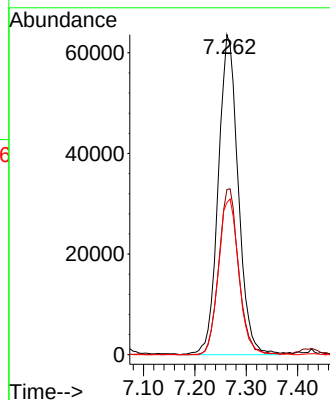
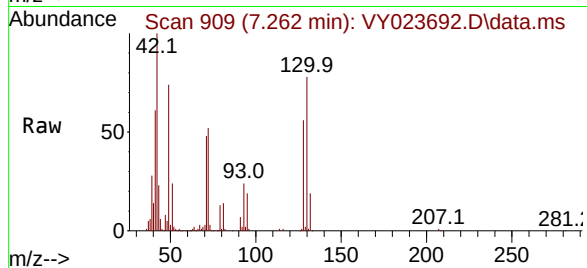
71 49.7 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#30

Chloroform

Concen: 50.771 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY023692.D

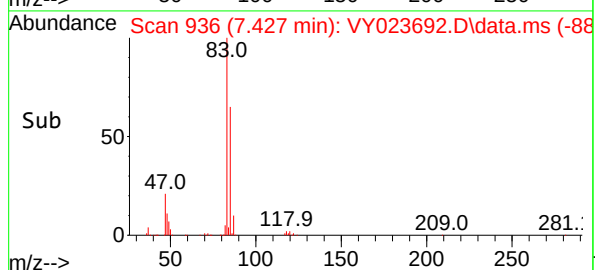
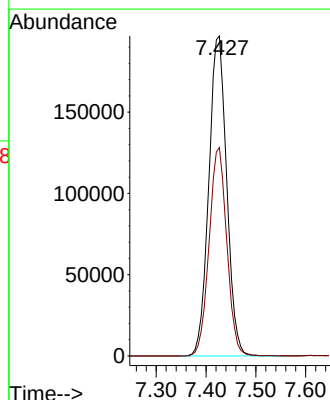
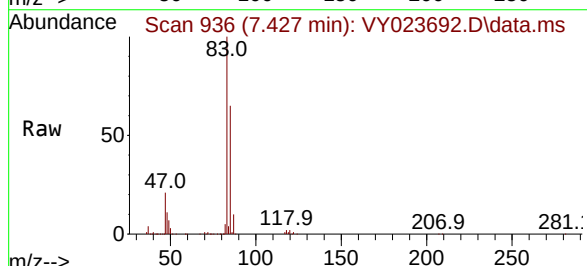
Acq: 06 Nov 2025 08:42

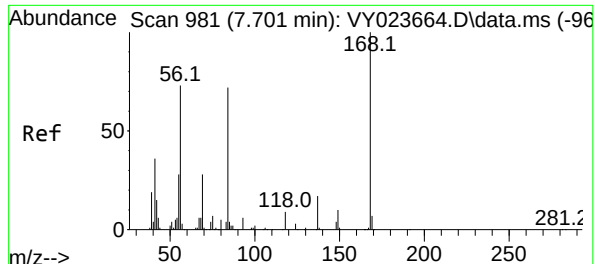
Tgt Ion: 83 Resp: 490108

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 48.888 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 368358

Ion Ratio Lower Upper

56 100

69 35.4 30.5 45.7

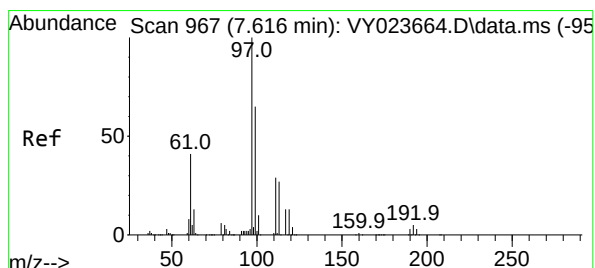
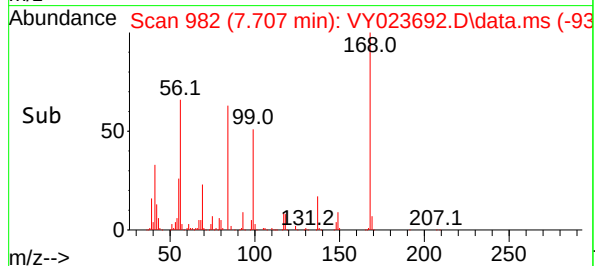
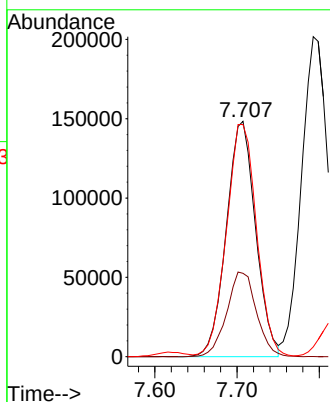
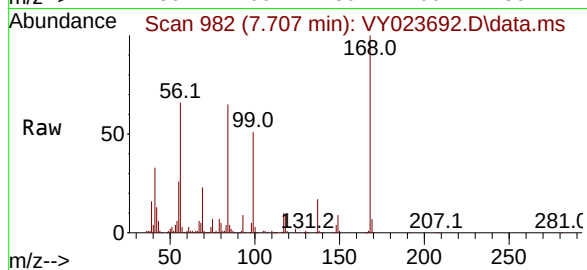
84 96.9 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#32

1,1,1-Trichloroethane

Concen: 50.080 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

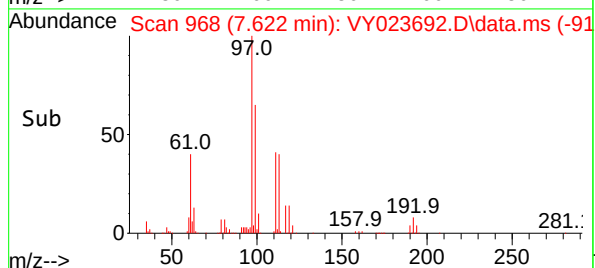
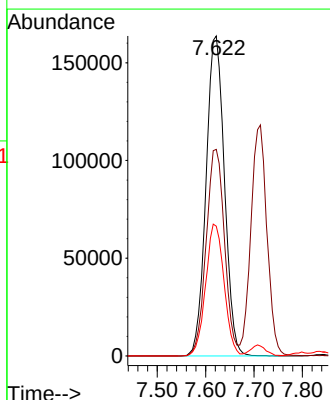
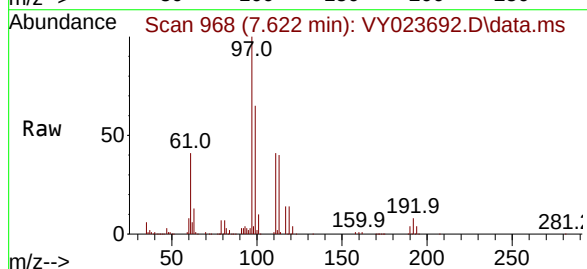
Tgt Ion: 97 Resp: 432084

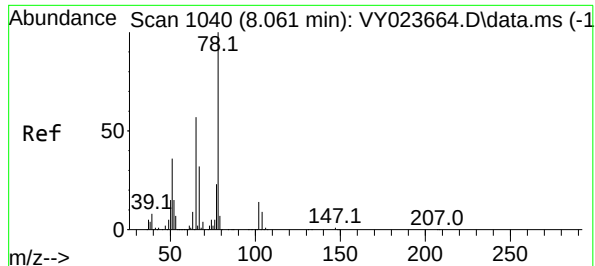
Ion Ratio Lower Upper

97 100

99 64.9 51.5 77.3

61 41.3 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 50.542 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 23106

Ion Ratio Lower Upper

65 100

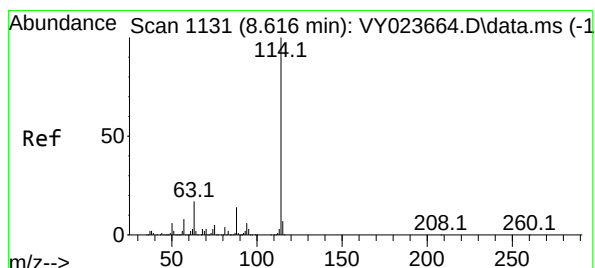
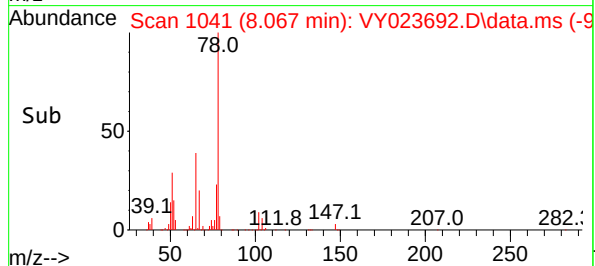
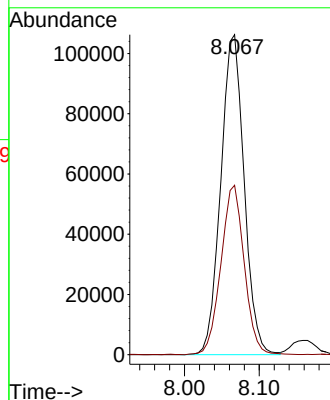
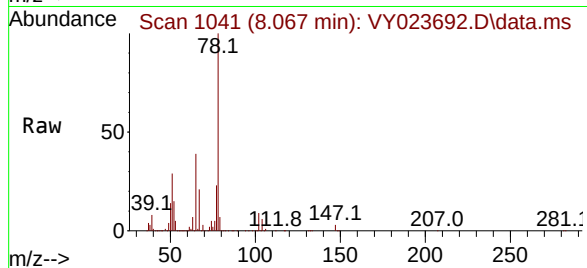
67 52.8 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

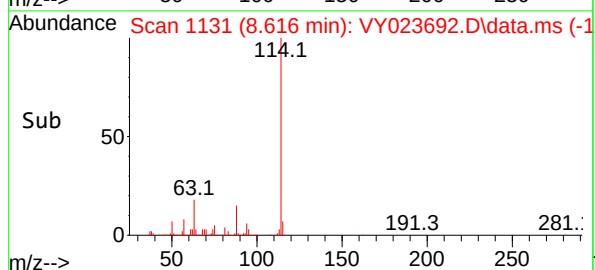
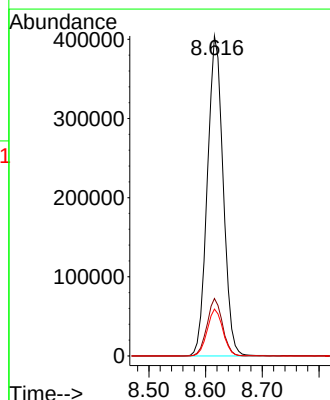
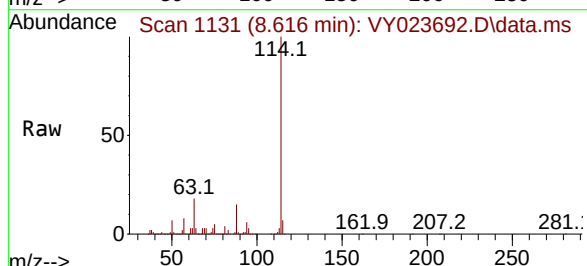
Tgt Ion:114 Resp: 779935

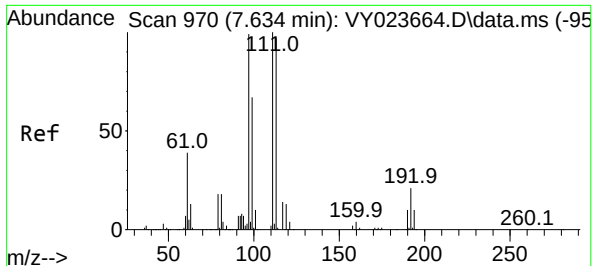
Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.110 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 25398

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

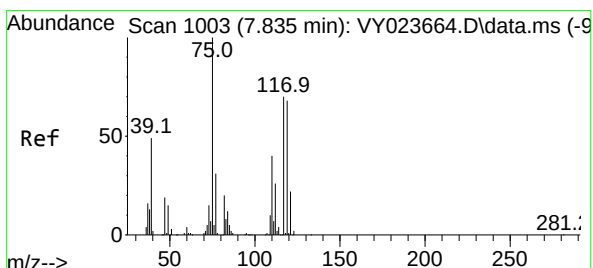
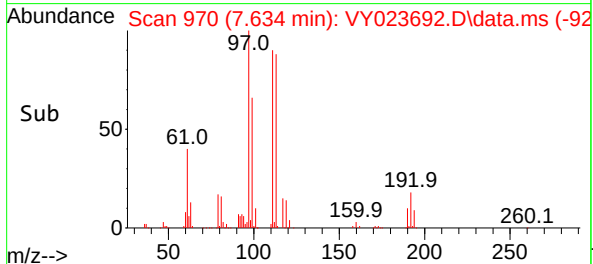
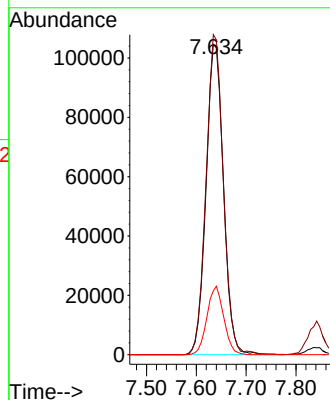
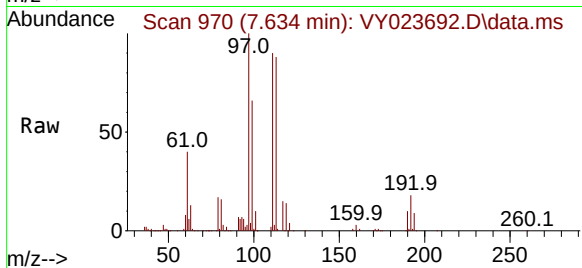
192 21.2 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#36

1,1-Dichloropropene

Concen: 52.056 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

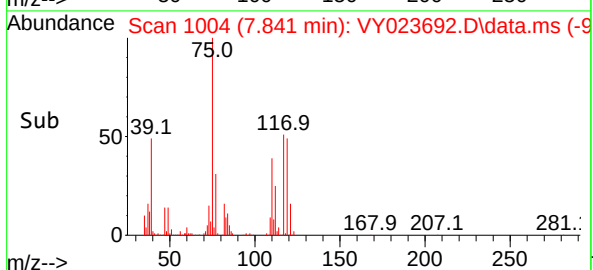
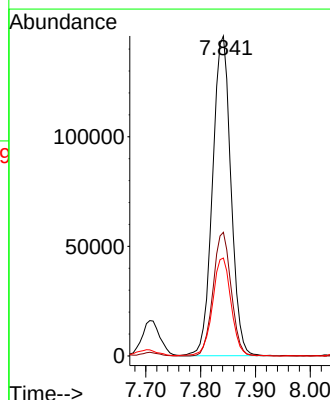
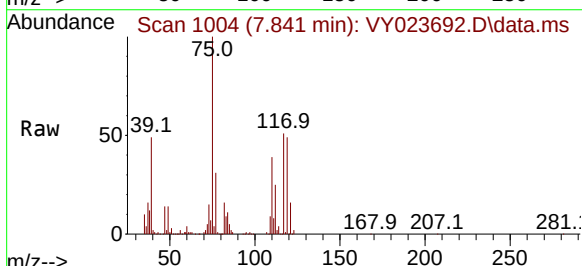
Tgt Ion: 75 Resp: 339044

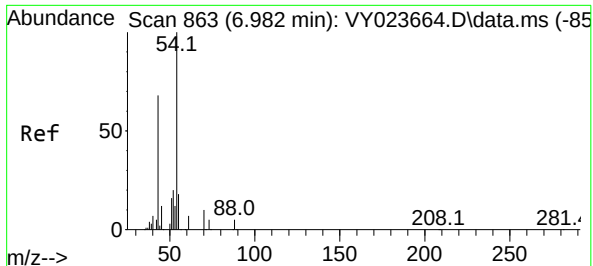
Ion Ratio Lower Upper

75 100

110 38.1 19.7 59.0

77 30.9 25.2 37.8





#37

Ethyl Acetate

Concen: 50.938 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 12843

Ion Ratio Lower Upper

43 100

61 14.2 12.4 18.6

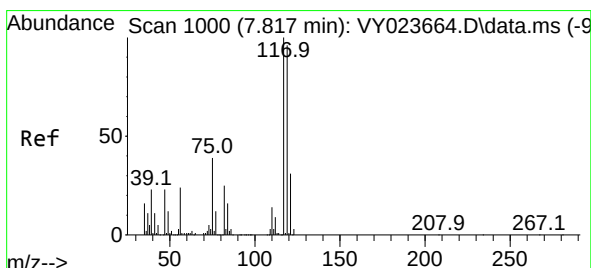
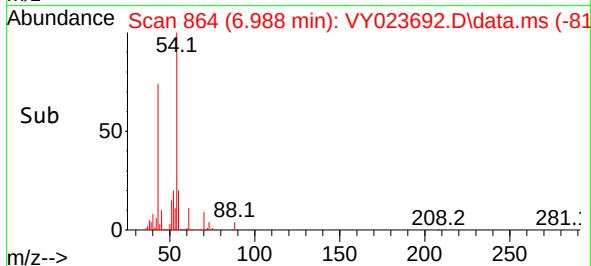
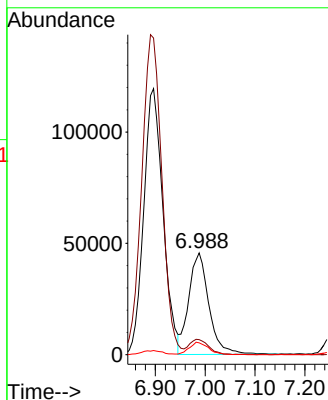
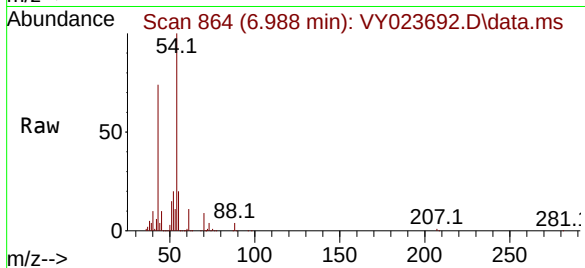
70 11.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#38

Carbon Tetrachloride

Concen: 51.680 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

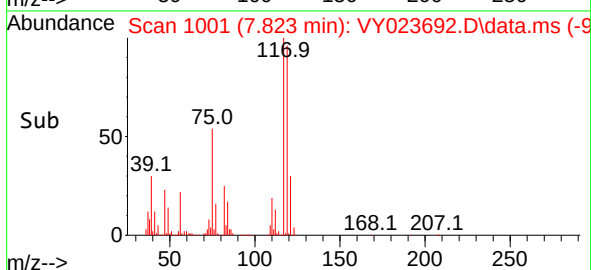
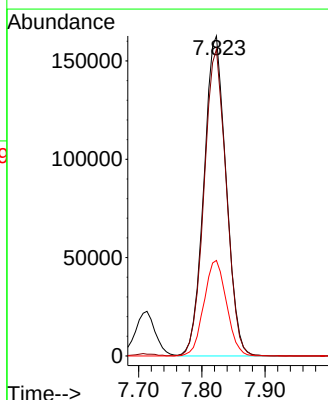
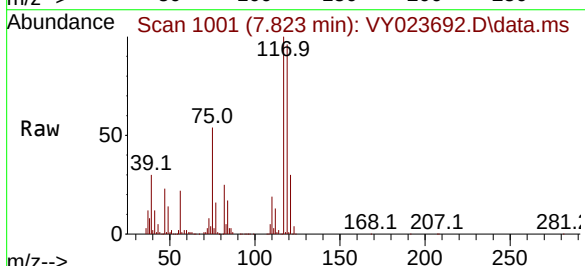
Tgt Ion:117 Resp: 396586

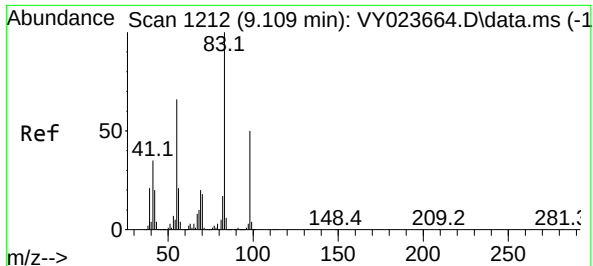
Ion Ratio Lower Upper

117 100

119 95.8 76.3 114.5

121 29.8 24.8 37.2





#39

Methylcyclohexane

Concen: 51.771 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 43083

Ion Ratio Lower Upper

83 100

55 69.3 52.6 78.8

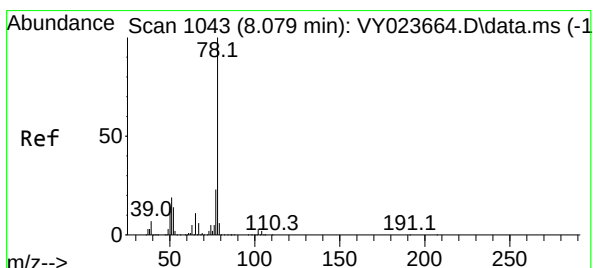
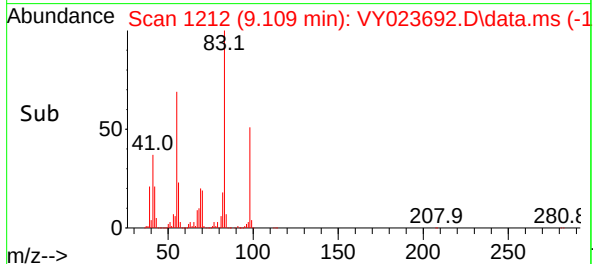
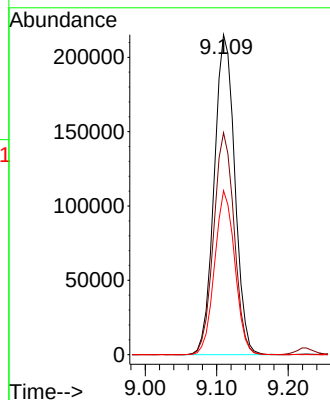
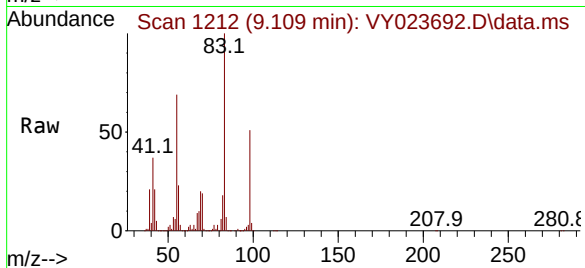
98 51.3 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#40

Benzene

Concen: 52.191 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023692.D

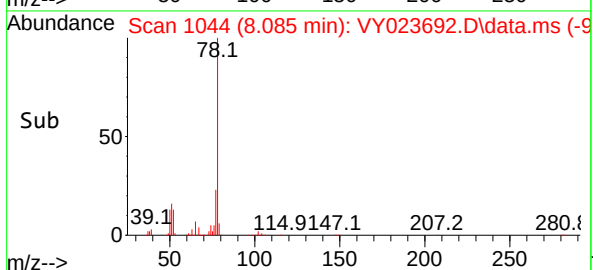
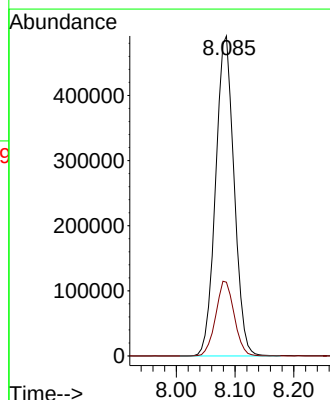
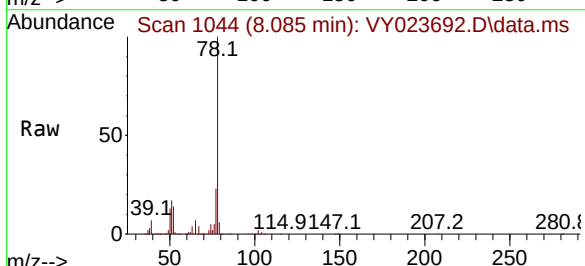
Acq: 06 Nov 2025 08:42

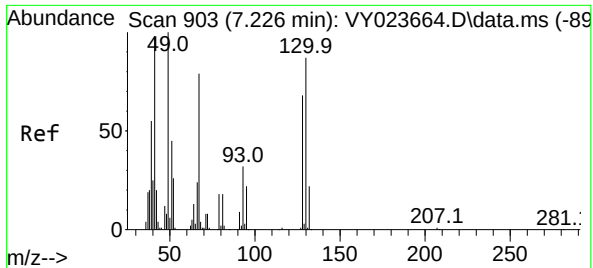
Tgt Ion: 78 Resp: 1071461

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2





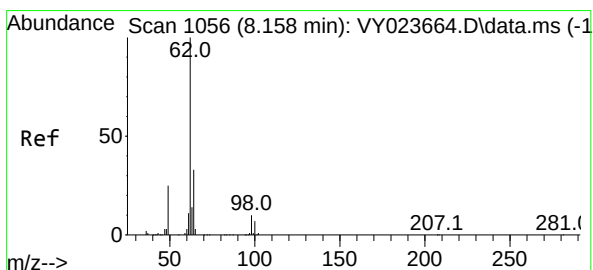
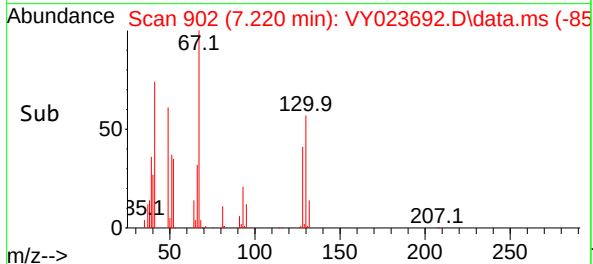
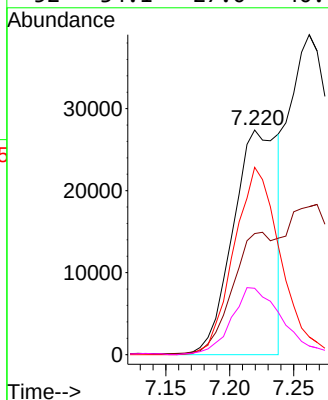
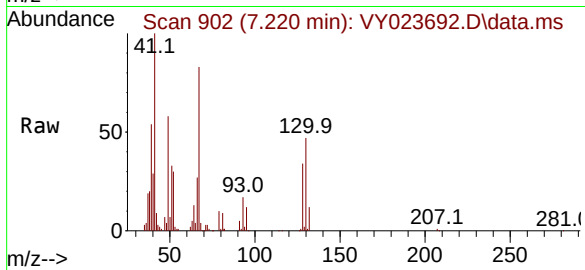
#41
Methacrylonitrile
Concen: 48.625 ug/l m
RT: 7.220 min Scan# 903
Delta R.T. -0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 66920
Ion Ratio Lower Upper
41 100
39 46.7 38.6 57.8
67 87.9 71.3 106.9
52 34.1 27.0 40.4

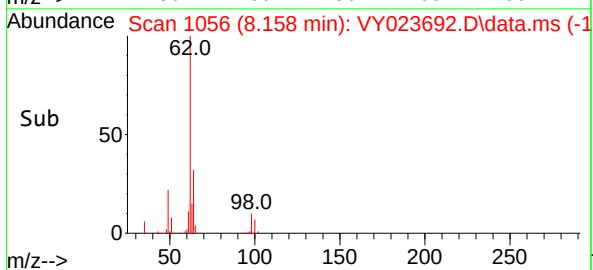
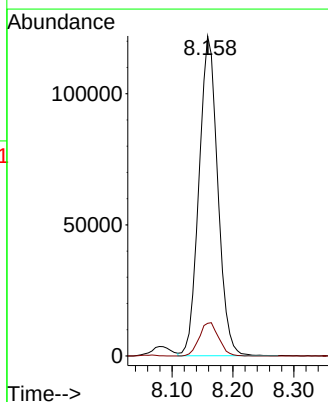
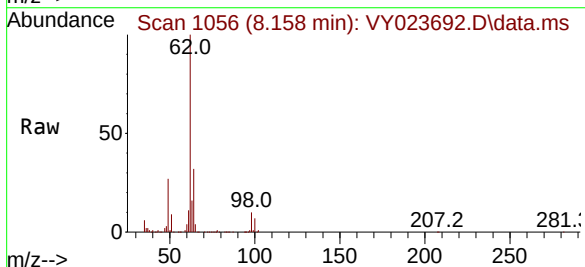
Manual Integrations
APPROVED

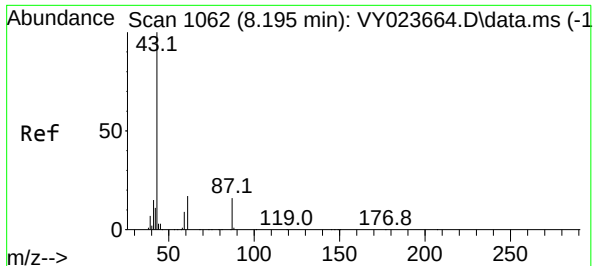
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#42
1,2-Dichloroethane
Concen: 50.268 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Tgt Ion: 62 Resp: 261084
Ion Ratio Lower Upper
62 100
98 10.8 0.0 21.0





#43

Isopropyl Acetate

Concen: 48.431 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC050

Tgt Ion: 43 Resp: 229430

Ion Ratio Lower Upper

43 100

61 21.6 18.2 27.2

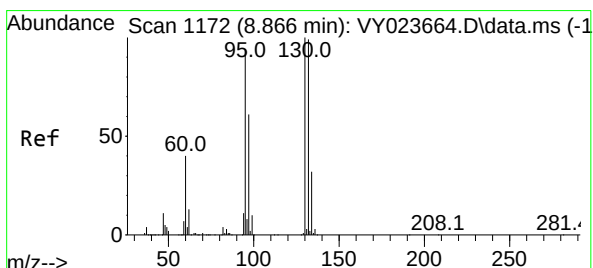
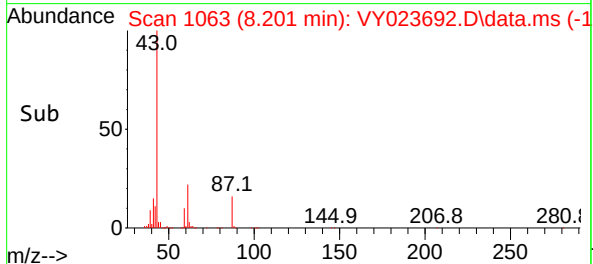
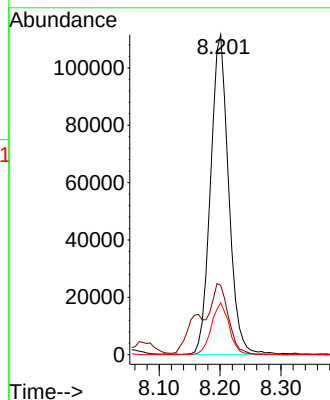
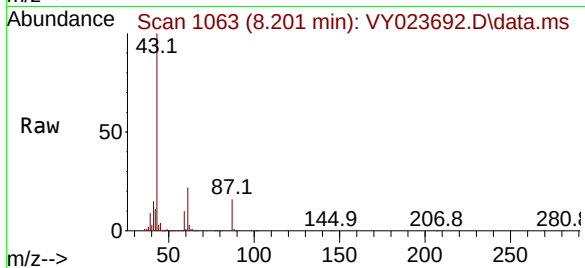
87 16.0 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#44

Trichloroethene

Concen: 50.084 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023692.D

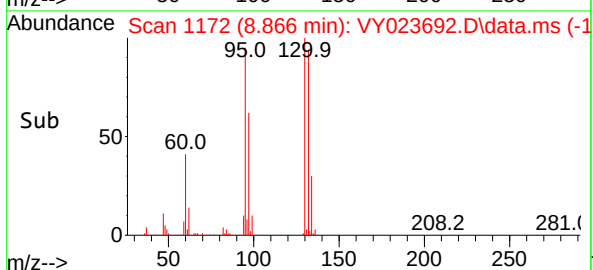
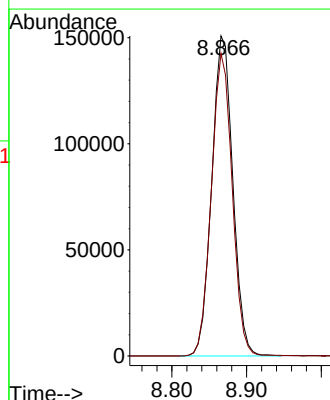
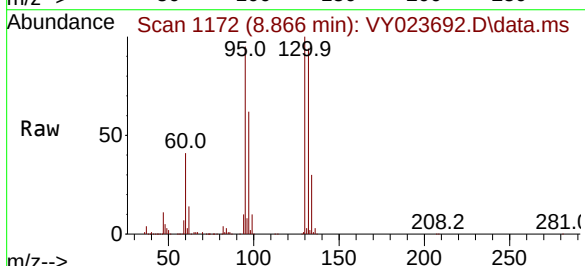
Acq: 06 Nov 2025 08:42

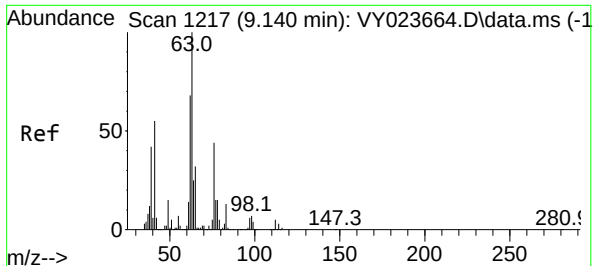
Tgt Ion:130 Resp: 295321

Ion Ratio Lower Upper

130 100

95 94.6 0.0 187.0





#45

1,2-Dichloropropane

Concen: 51.631 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 23393

Ion Ratio Lower Upper

63 100

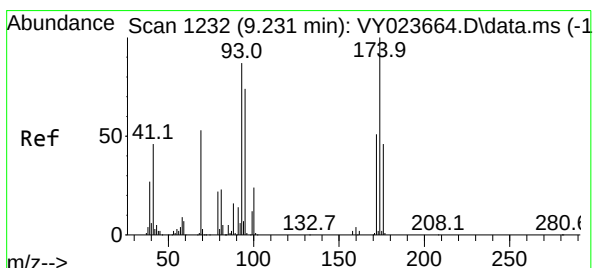
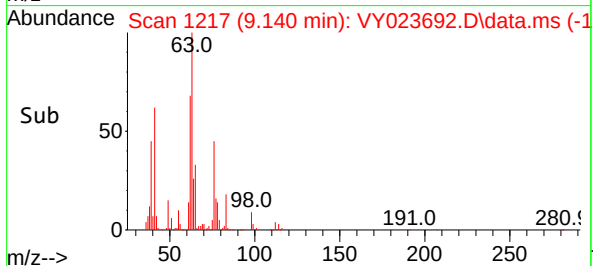
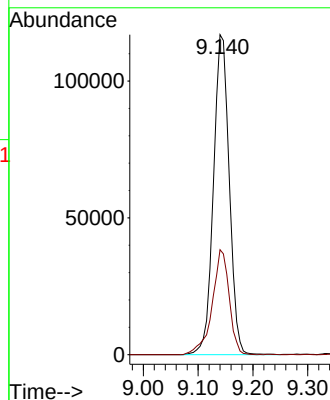
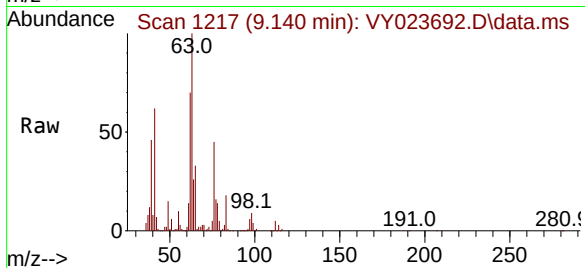
65 32.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#46

Dibromomethane

Concen: 50.465 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

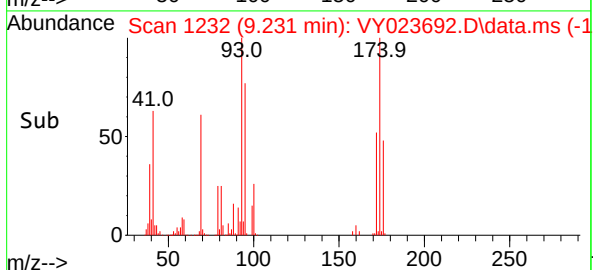
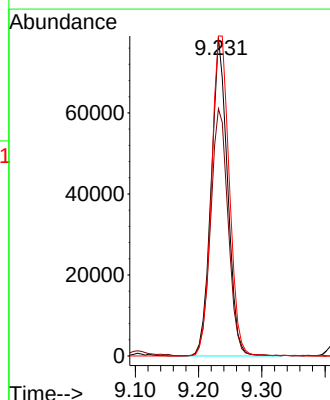
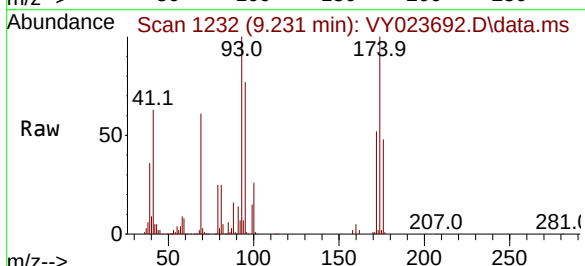
Tgt Ion: 93 Resp: 141674

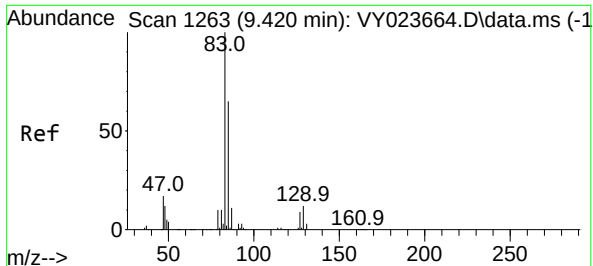
Ion Ratio Lower Upper

93 100

95 82.3 67.4 101.2

174 108.5 89.4 134.0





#47

Bromodichloromethane

Concen: 51.829 ug/l

RT: 9.426 min Scan# 1263

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 36684

Ion Ratio Lower Upper

83 100

85 64.2 52.1 78.1

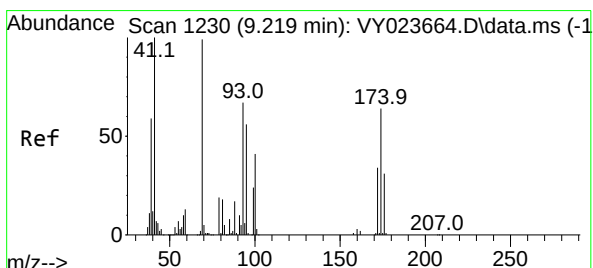
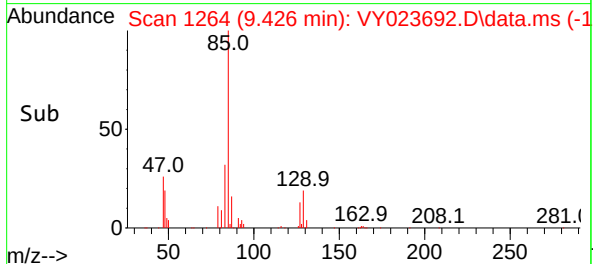
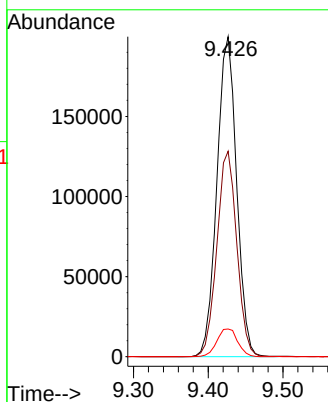
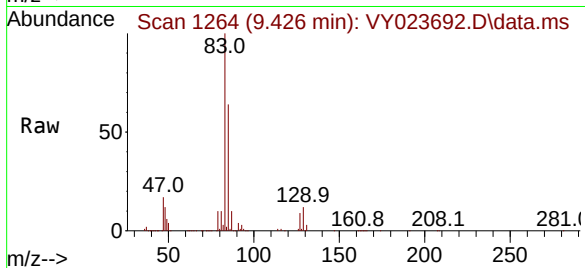
127 8.6 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#48

Methyl methacrylate

Concen: 50.398 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

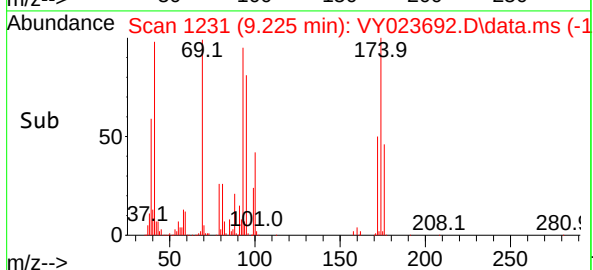
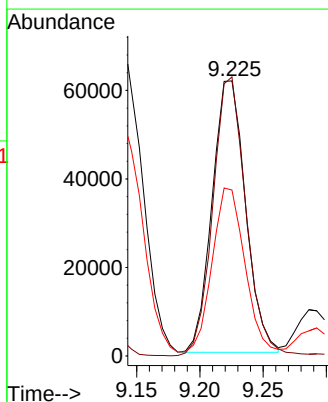
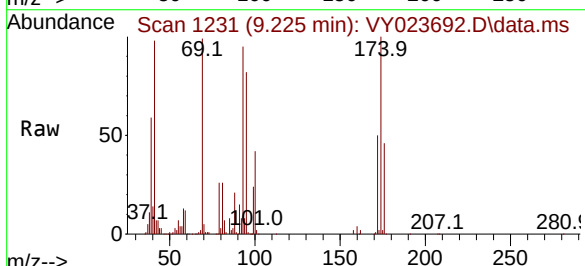
Tgt Ion: 41 Resp: 112802

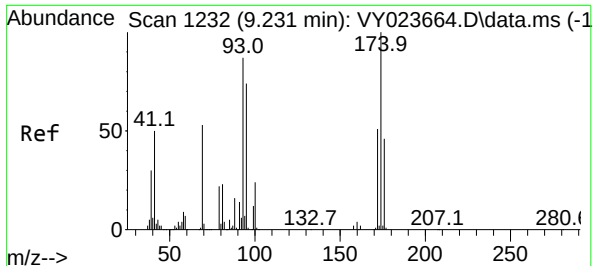
Ion Ratio Lower Upper

41 100

69 101.8 80.2 120.2

39 58.7 47.4 71.0





#49

1,4-Dioxane

Concen: 1017.395 ug/l

RT: 9.225 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

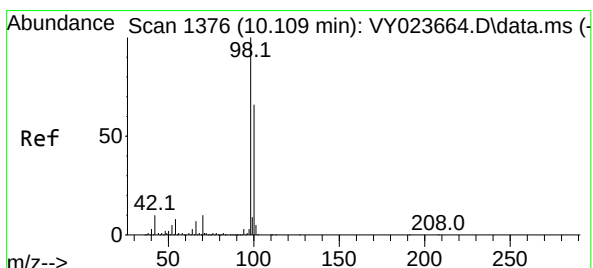
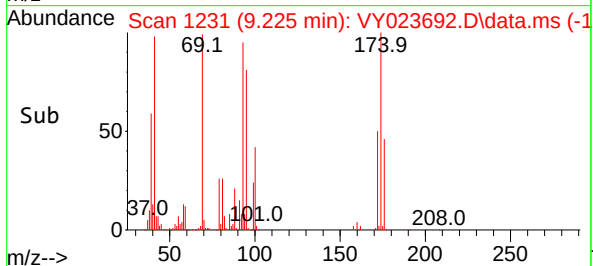
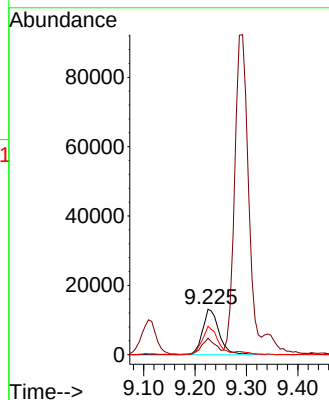
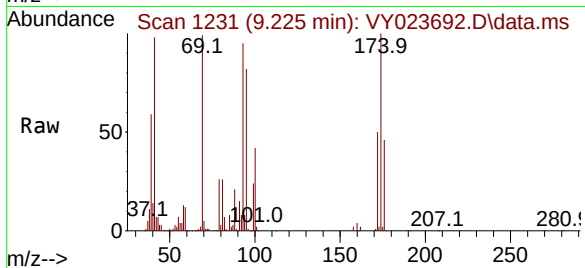
Tgt Ion:	88	Resp:	29230
Ion Ratio	Lower	Upper	
88	100		
43	28.6	22.0	33.0
58	58.5	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#50

Toluene-d8

Concen: 53.849 ug/l

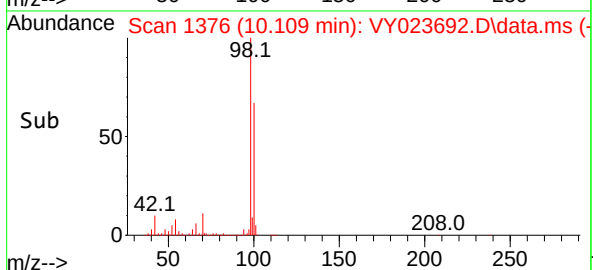
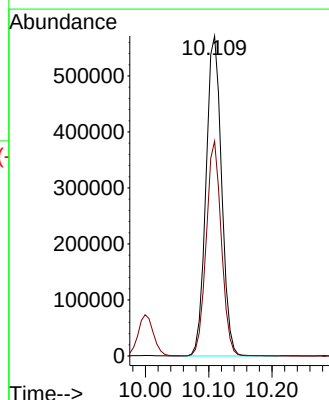
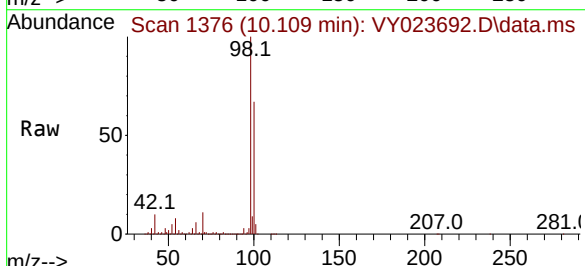
RT: 10.109 min Scan# 1376

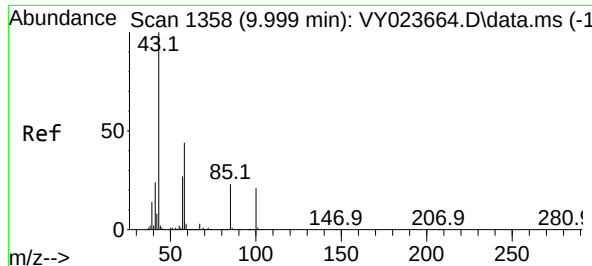
Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Tgt Ion:	98	Resp:	977701
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.7	79.1





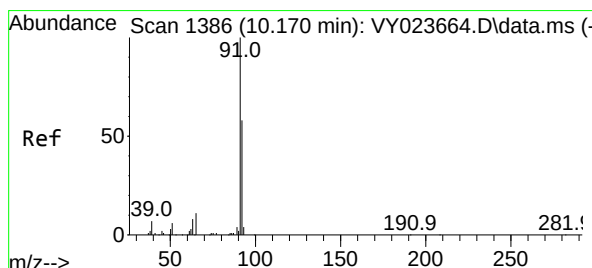
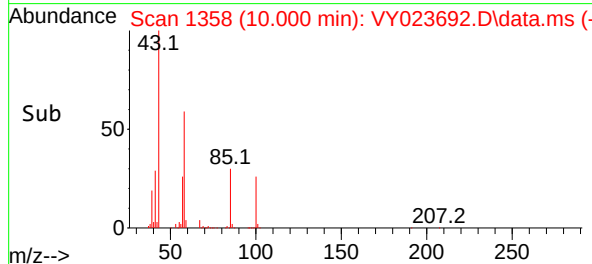
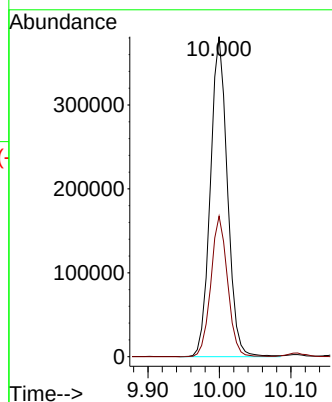
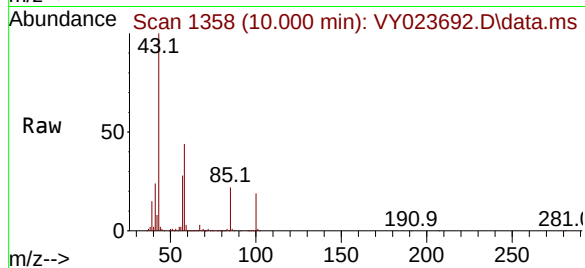
#51
4-Methyl-2-Pentanone
Concen: 250.399 ug/l
RT: 10.000 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 63084
Ion Ratio Lower Upper
43 100
58 43.0 34.8 52.2

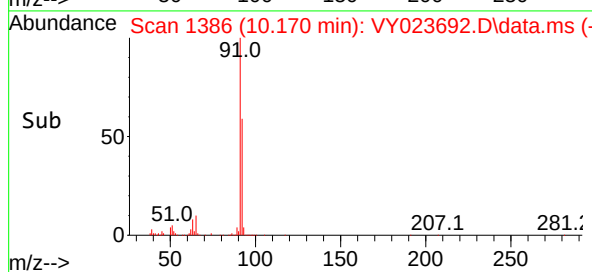
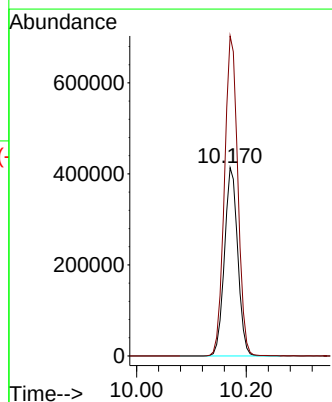
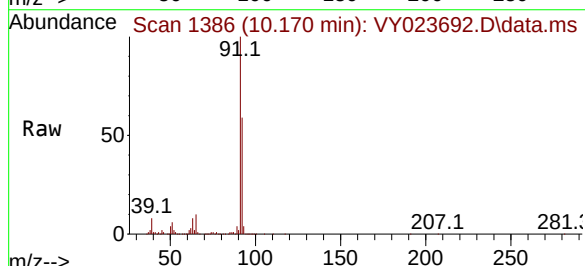
Manual Integrations
APPROVED

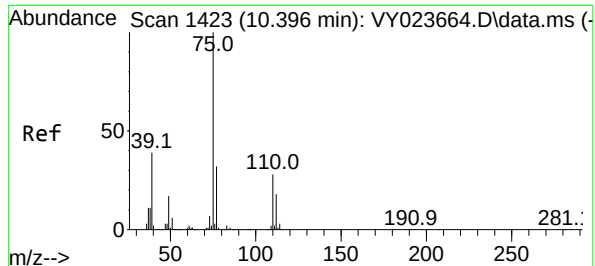
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#52
Toluene
Concen: 53.262 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Tgt Ion: 92 Resp: 698091
Ion Ratio Lower Upper
92 100
91 171.1 137.8 206.8





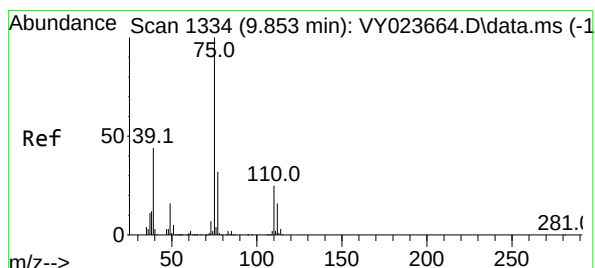
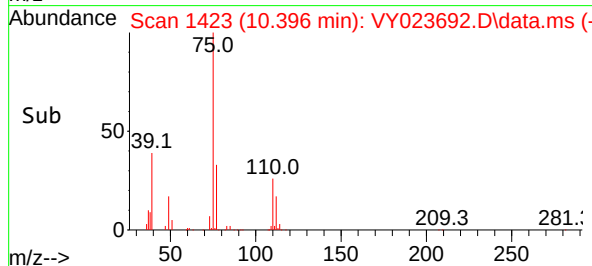
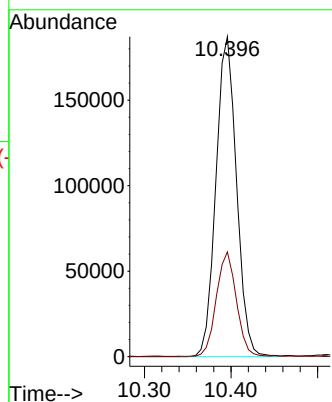
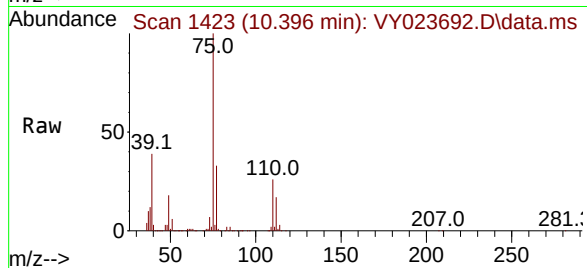
#53
t-1,3-Dichloropropene
Concen: 51.590 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 308969
Ion Ratio Lower Upper
75 100
77 32.6 25.6 38.4

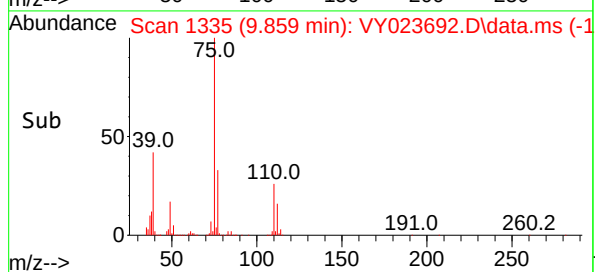
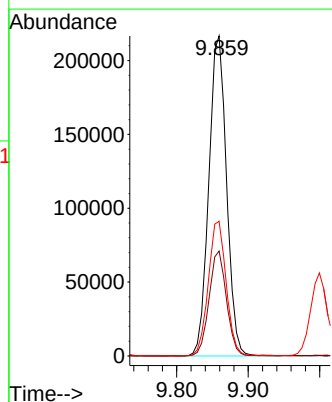
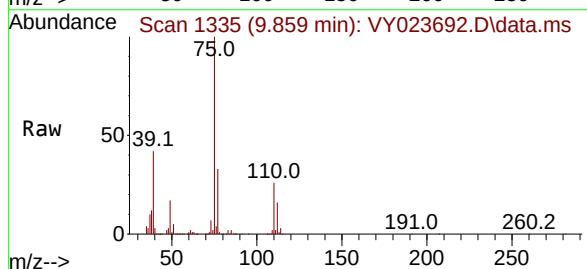
Manual Integrations
APPROVED

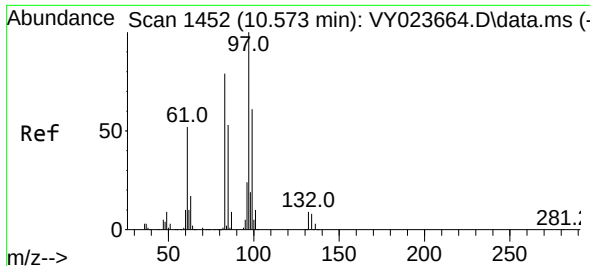
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#54
cis-1,3-Dichloropropene
Concen: 52.038 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

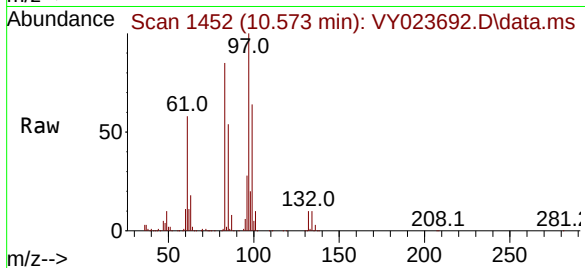
Tgt Ion: 75 Resp: 373395
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5
39 42.1 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 50.815 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

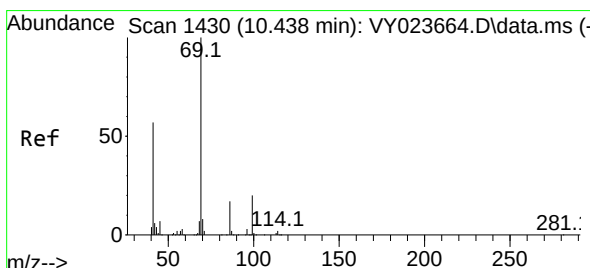
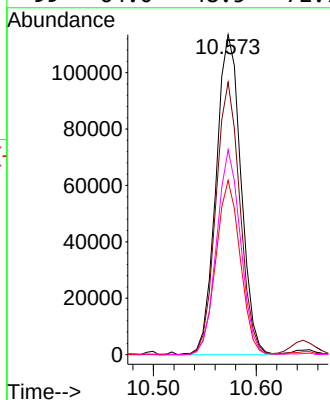
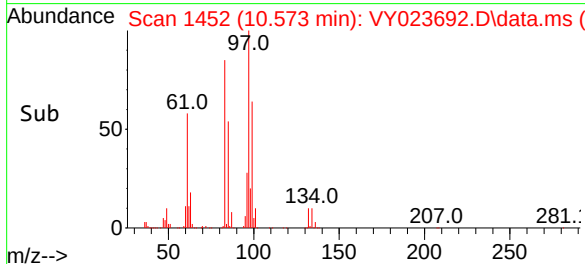
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



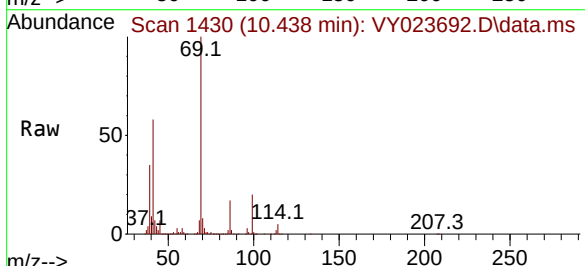
Tgt Ion: 97 Resp: 190649
Ion Ratio Lower Upper
97 100
83 85.2 63.3 94.9
85 54.5 42.4 63.6
99 64.0 48.5 72.7

Manual Integrations
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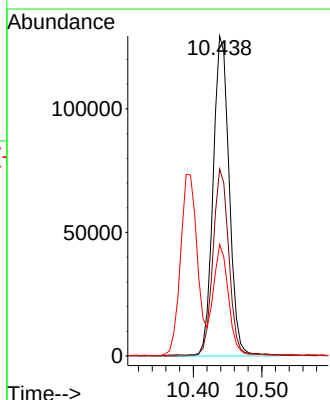
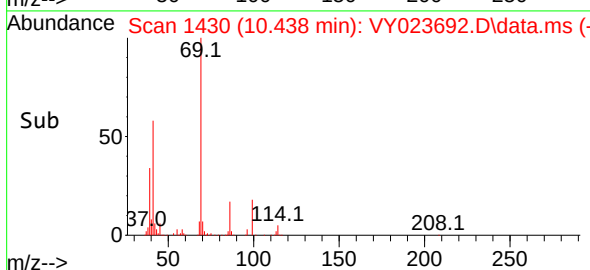
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

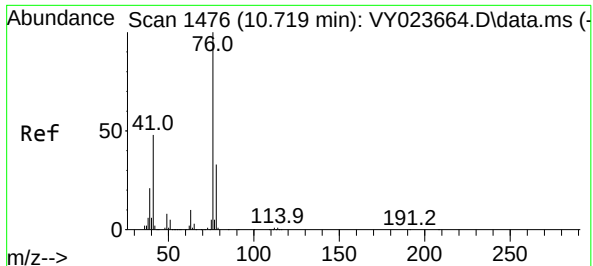


#56
Ethyl methacrylate
Concen: 50.939 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42



Tgt Ion: 69 Resp: 210565
Ion Ratio Lower Upper
69 100
41 56.9 45.0 67.4
39 32.1 25.1 37.7





#57

1,3-Dichloropropane

Concen: 51.160 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 304445

Ion Ratio Lower Upper

76 100

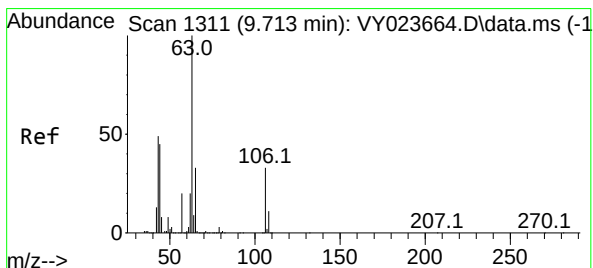
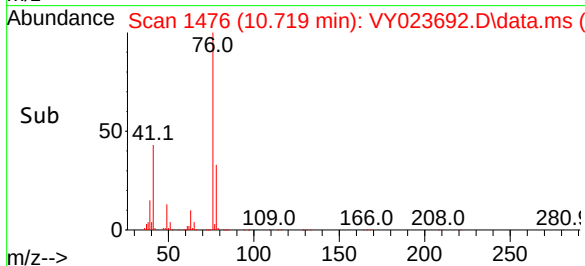
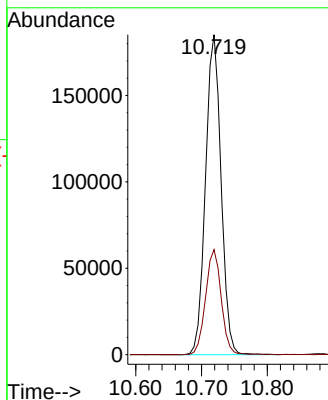
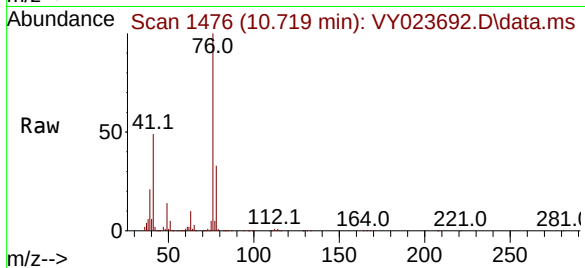
78 33.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#58

2-Chloroethyl Vinyl ether

Concen: 258.588 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY023692.D

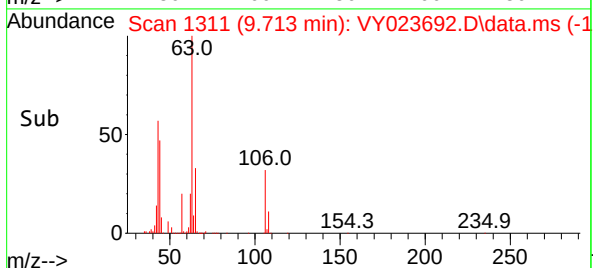
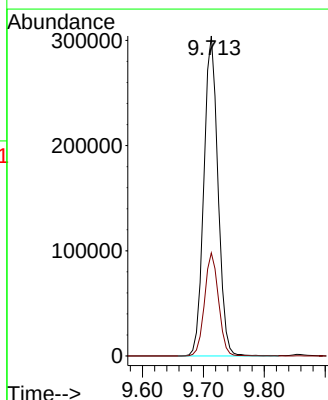
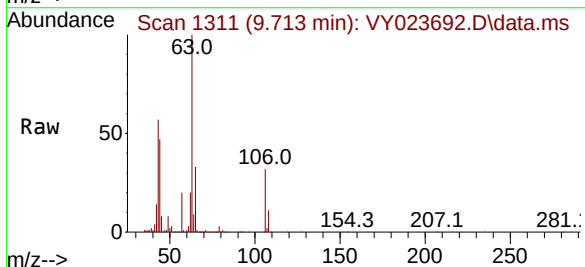
Acq: 06 Nov 2025 08:42

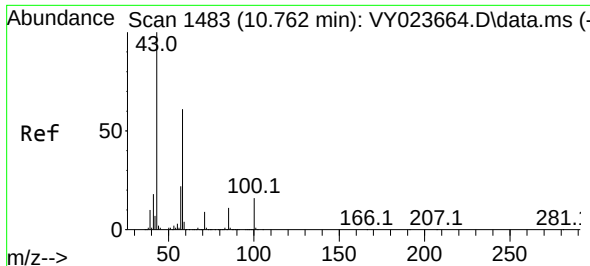
Tgt Ion: 63 Resp: 490497

Ion Ratio Lower Upper

63 100

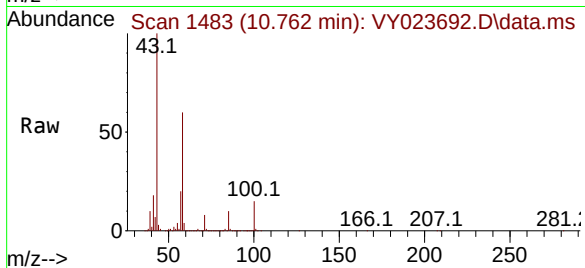
106 31.8 26.2 39.2





#59
2-Hexanone
Concen: 255.473 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

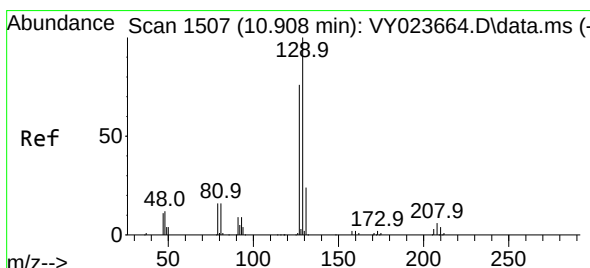
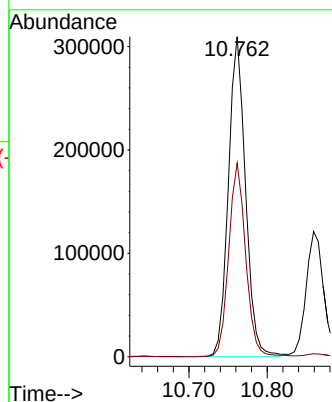
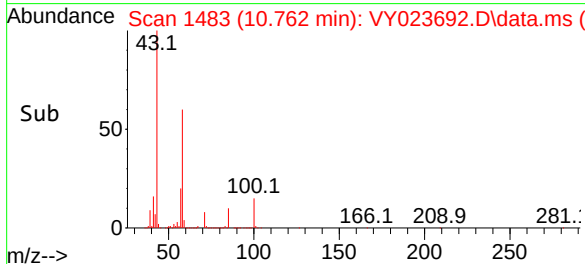
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



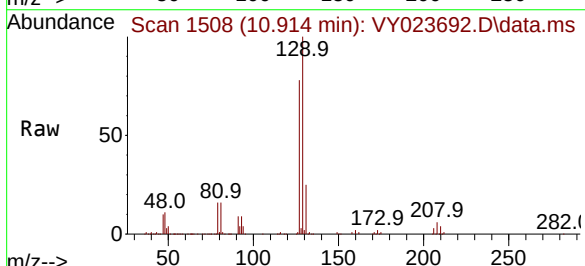
Tgt Ion: 43 Resp: 469572
Ion Ratio Lower Upper
43 100
58 60.0 30.2 90.6

Manual Integrations
APPROVED

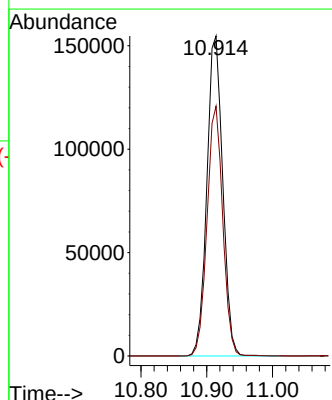
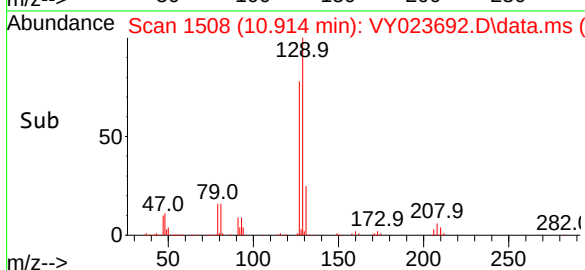
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

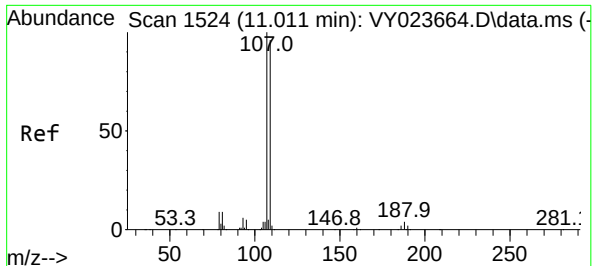


#60
Dibromochloromethane
Concen: 50.236 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42



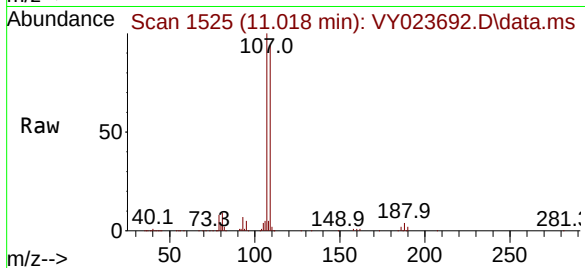
Tgt Ion:129 Resp: 258963
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2





#61
1,2-Dibromoethane
Concen: 50.132 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

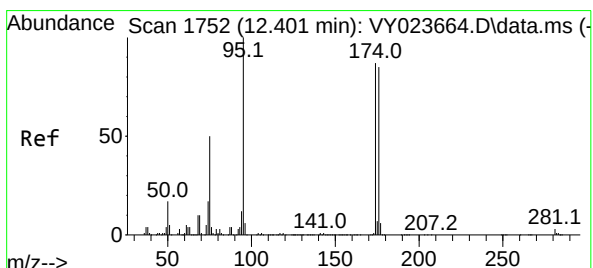
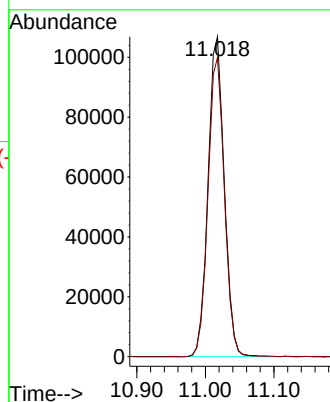
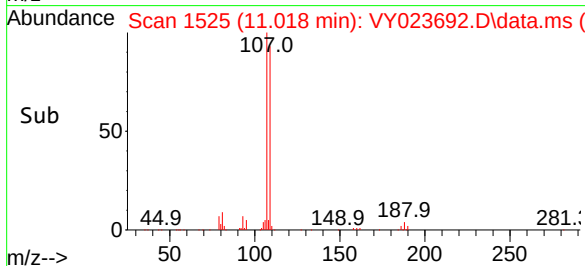
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



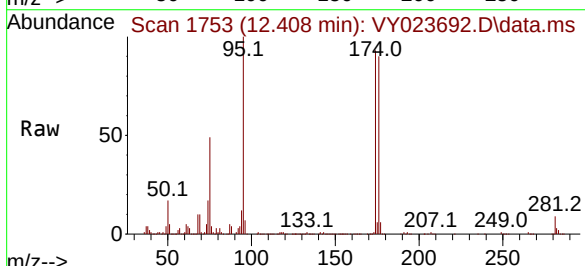
Tgt Ion:107 Resp: 176512
Ion Ratio Lower Upper
107 100
109 94.2 76.2 114.4

Manual Integrations
APPROVED

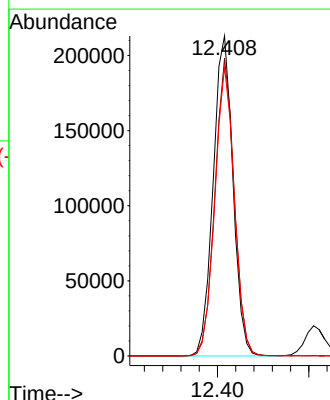
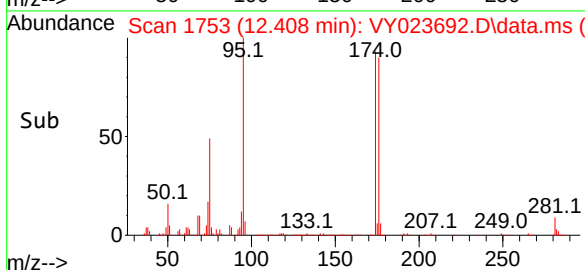
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

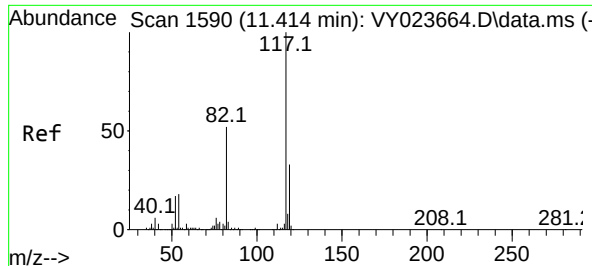


#62
4-Bromofluorobenzene
Concen: 54.429 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42



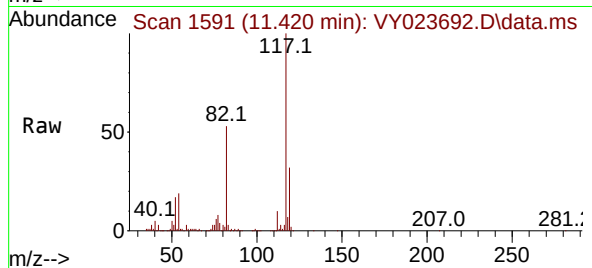
Tgt Ion: 95 Resp: 319587
Ion Ratio Lower Upper
95 100
174 91.3 0.0 184.8
176 88.8 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

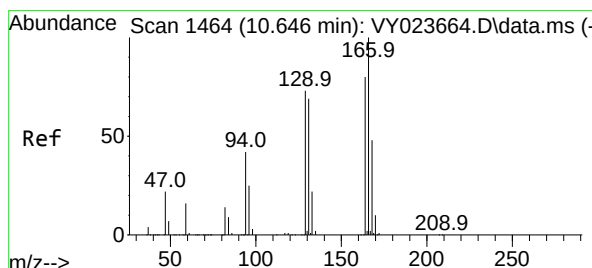
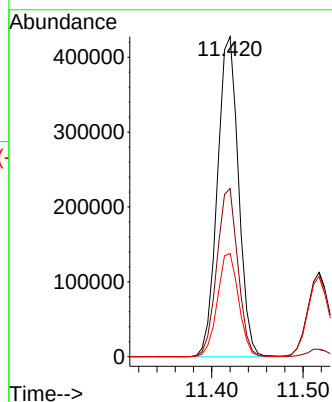
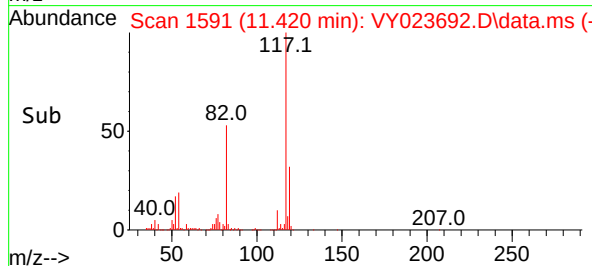
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 68655
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 32.3 26.2 39.2

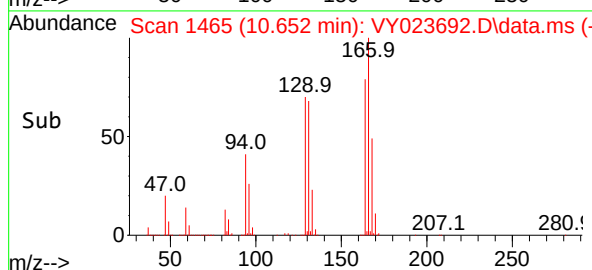
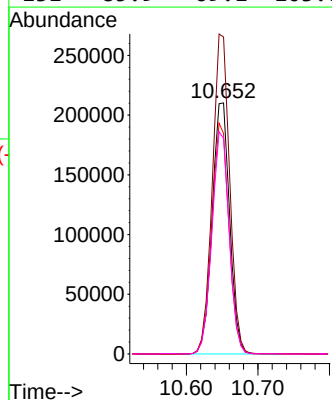
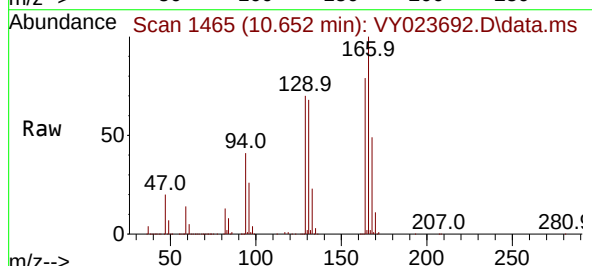
Manual Integrations
APPROVED

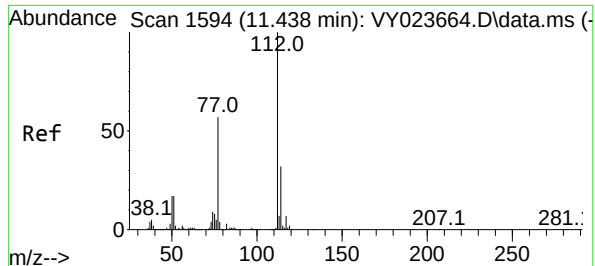
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#64
Tetrachloroethene
Concen: 49.883 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

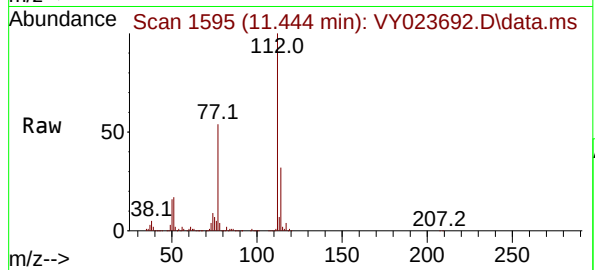
Tgt Ion:164 Resp: 356458
Ion Ratio Lower Upper
164 100
166 126.3 99.5 149.3
129 87.9 72.3 108.5
131 85.9 69.1 103.7





#65
Chlorobenzene
Concen: 50.915 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

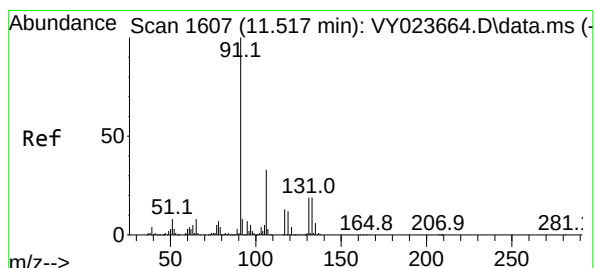
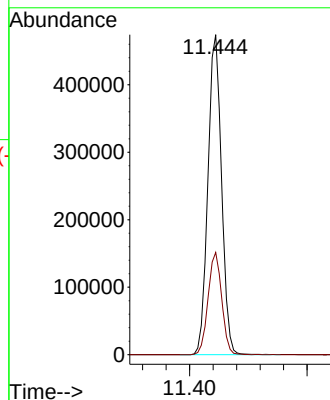
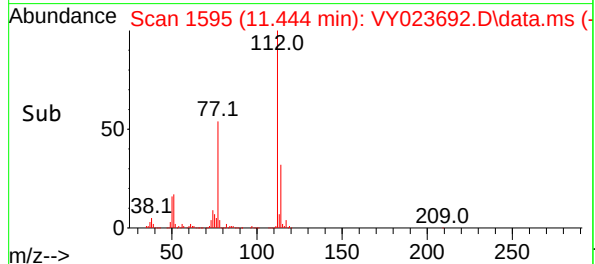
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



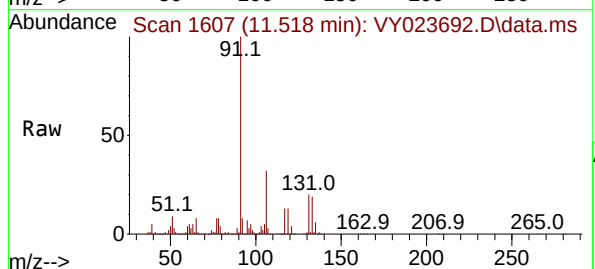
Tgt Ion:112 Resp: 76098
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

Manual Integrations
APPROVED

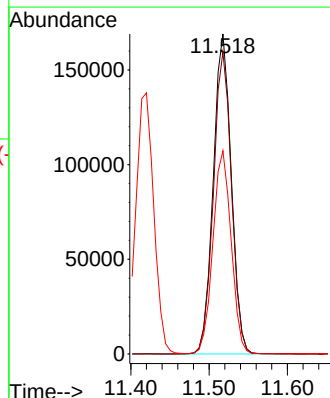
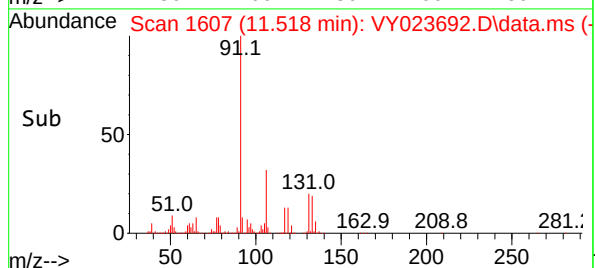
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

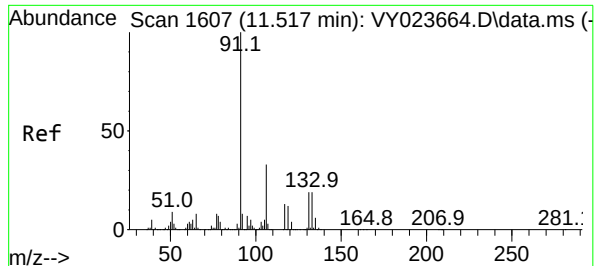


#66
1,1,1,2-Tetrachloroethane
Concen: 51.027 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42



Tgt Ion:131 Resp: 269685
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 64.2 32.5 97.4





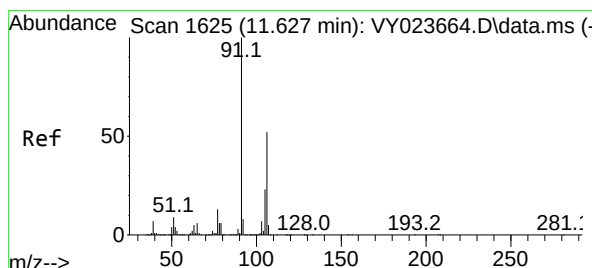
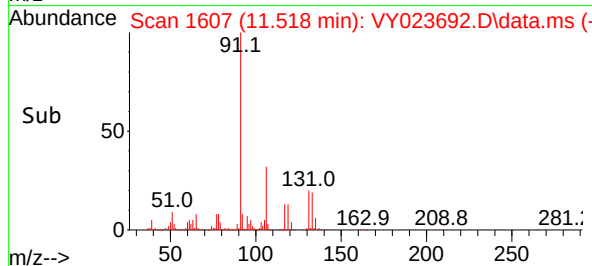
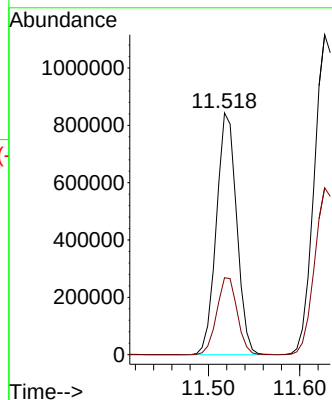
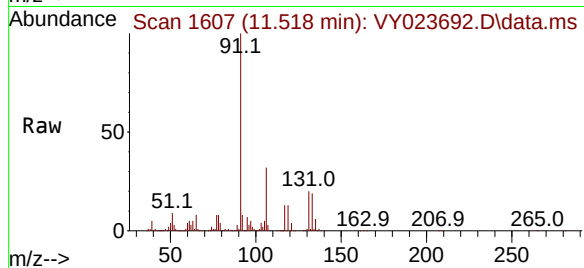
#67
Ethyl Benzene
Concen: 53.799 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 130140
Ion Ratio Lower Upper
91 100
106 31.9 26.6 40.0

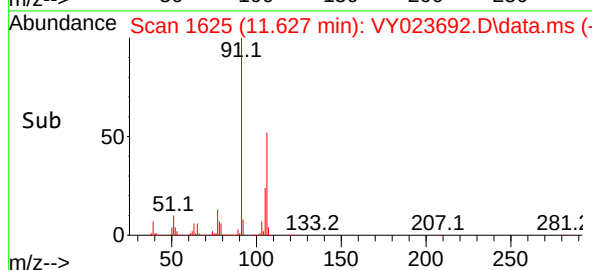
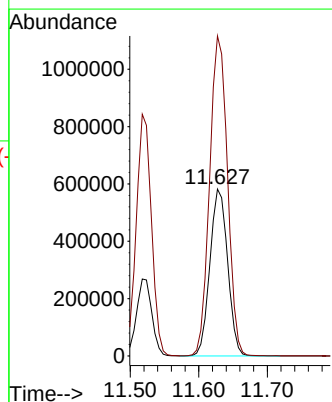
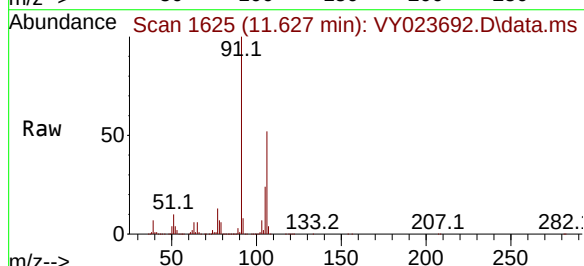
Manual Integrations
APPROVED

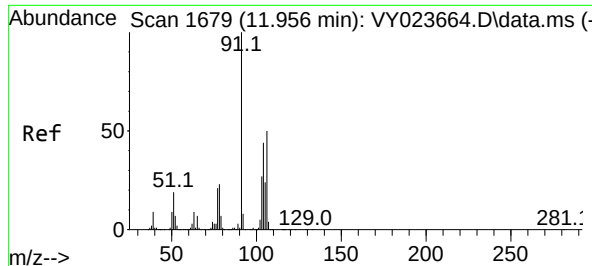
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#68
m/p-Xylenes
Concen: 108.286 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Tgt Ion:106 Resp: 1046555
Ion Ratio Lower Upper
106 100
91 193.6 154.3 231.5





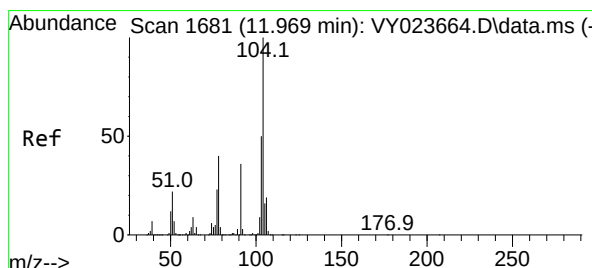
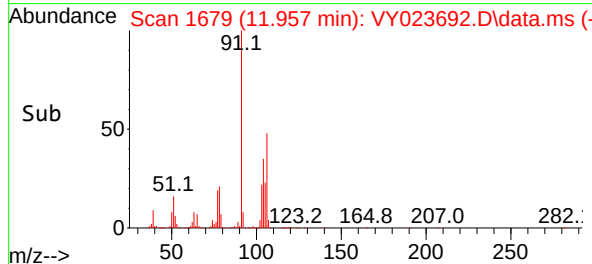
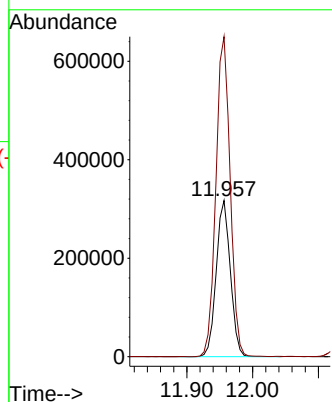
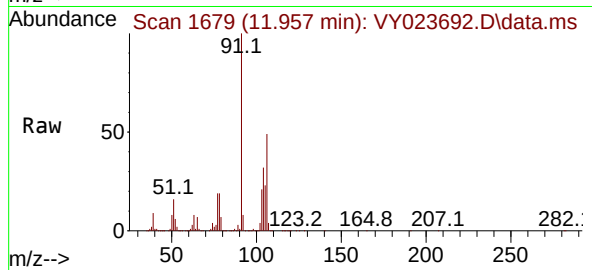
#69
o-Xylene
Concen: 53.067 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 474104
Ion Ratio Lower Upper
106 100
91 207.0 101.6 304.6

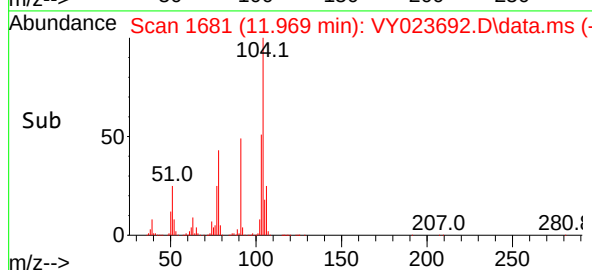
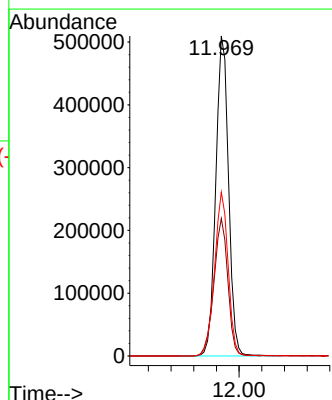
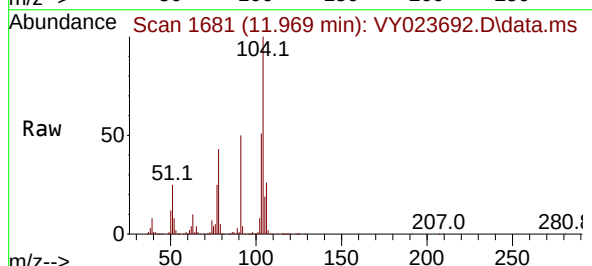
Manual Integrations
APPROVED

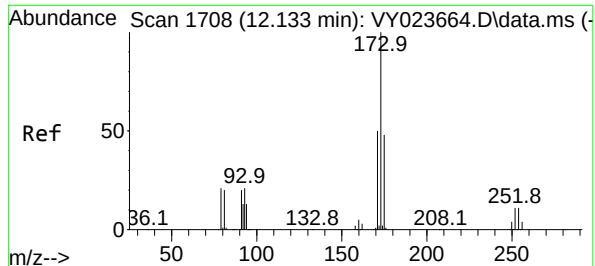
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#70
Styrene
Concen: 54.077 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

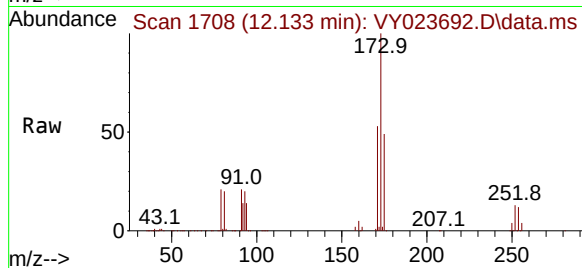
Tgt Ion:104 Resp: 797122
Ion Ratio Lower Upper
104 100
78 46.6 36.5 54.7
103 54.5 43.7 65.5





#71
Bromoform
Concen: 49.333 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

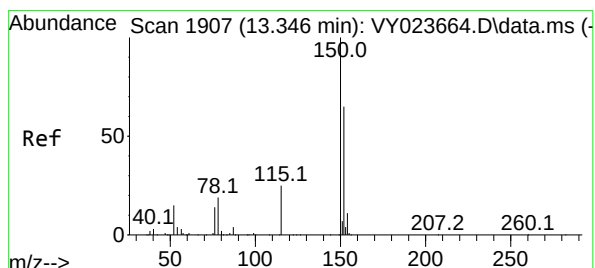
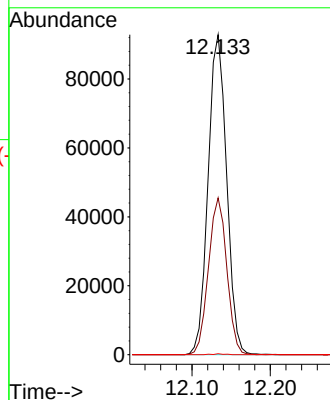
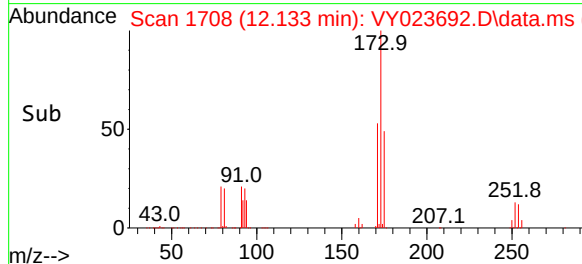
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



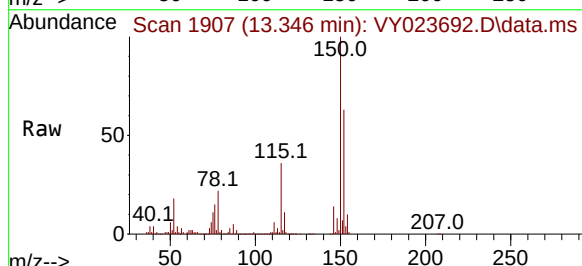
Tgt Ion:173 Resp: 152278
Ion Ratio Lower Upper
173 100
175 48.5 24.2 72.6
254 0.2 0.2 0.2

Manual Integrations
APPROVED

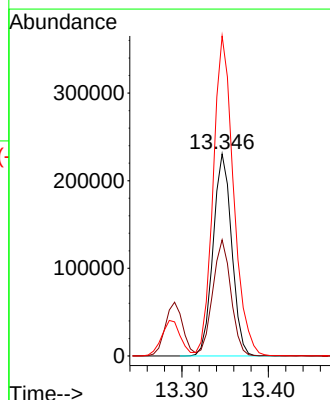
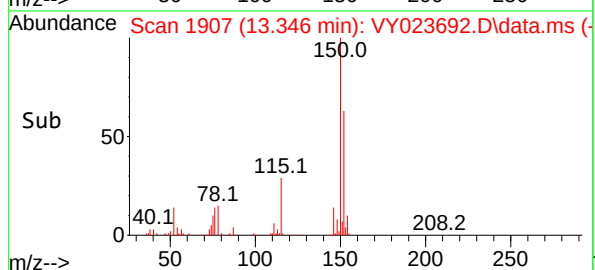
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

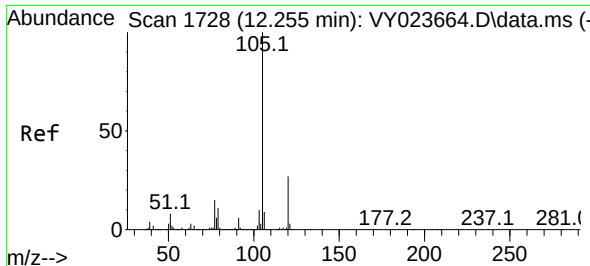


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42



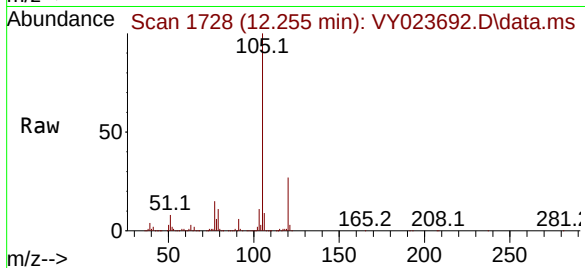
Tgt Ion:152 Resp: 343829
Ion Ratio Lower Upper
152 100
115 56.2 27.5 82.5
150 173.5 0.0 349.0





#73
Isopropylbenzene
Concen: 54.235 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

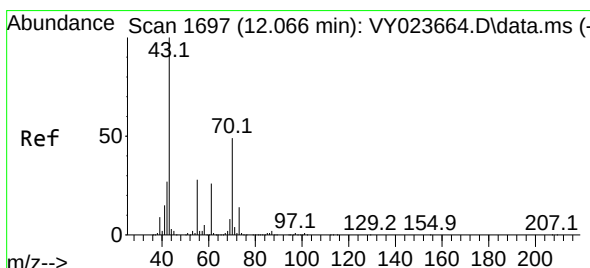
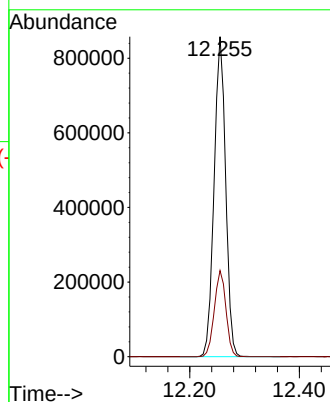
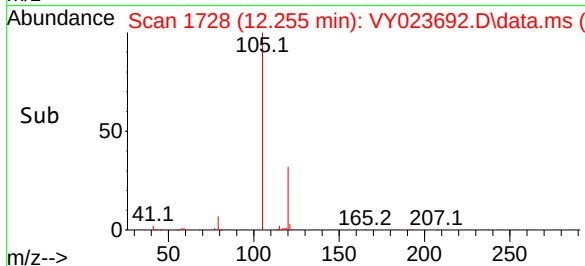
Instrument :
MSVOA_Y
ClientSampleId :
VSTDC050



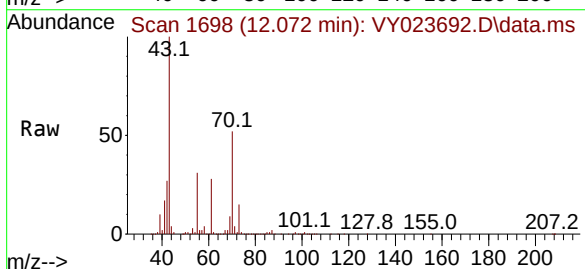
Tgt Ion:105 Resp: 1247190
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7

Manual Integrations
APPROVED

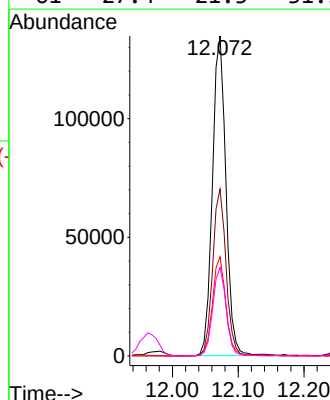
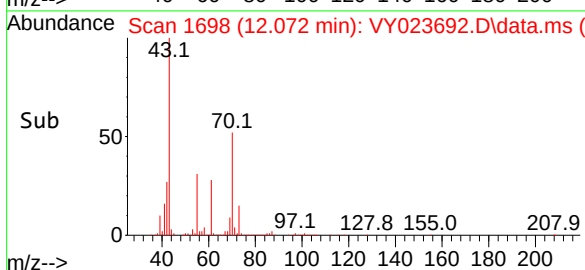
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

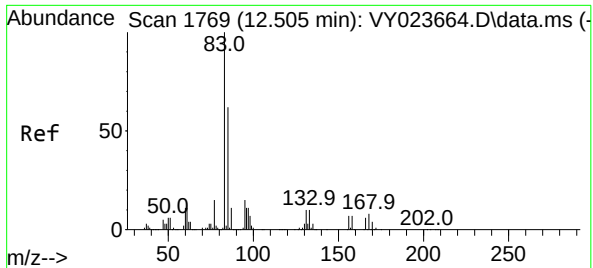


#74
N-ethyl acetate
Concen: 49.594 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42



Tgt Ion: 43 Resp: 193086
Ion Ratio Lower Upper
43 100
70 52.1 40.1 60.1
55 31.2 23.0 34.6
61 27.4 21.3 31.9





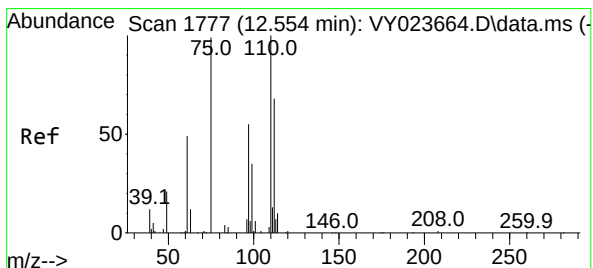
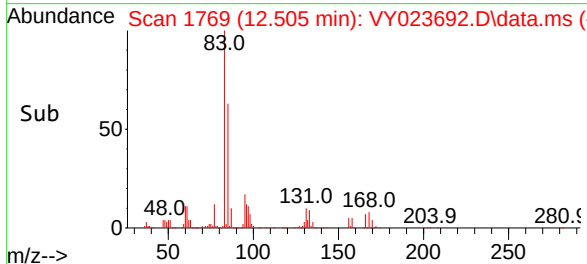
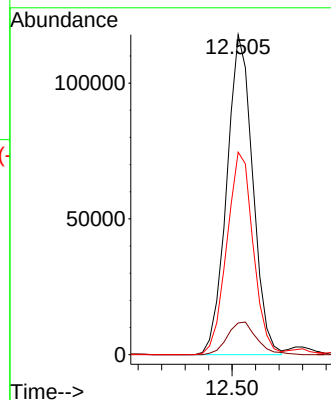
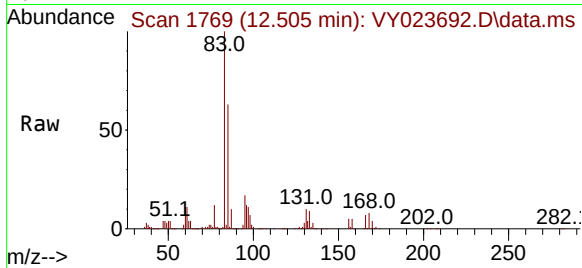
#75
1,1,2,2-Tetrachloroethane
Concen: 49.279 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 18098
Ion Ratio Lower Upper
83 100
131 11.5 5.7 17.0
85 64.3 31.9 95.7

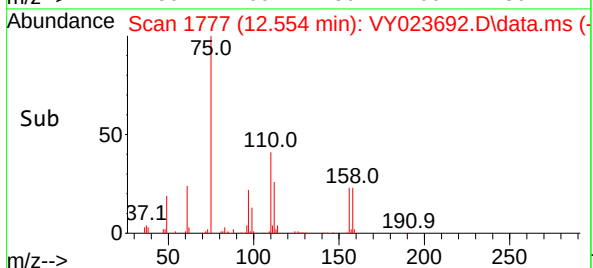
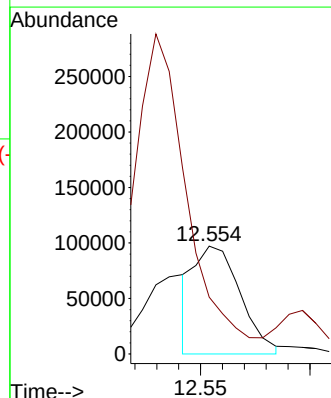
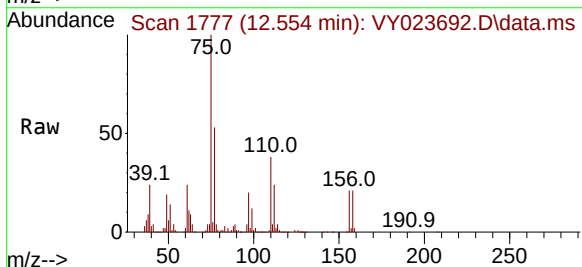
Manual Integrations
APPROVED

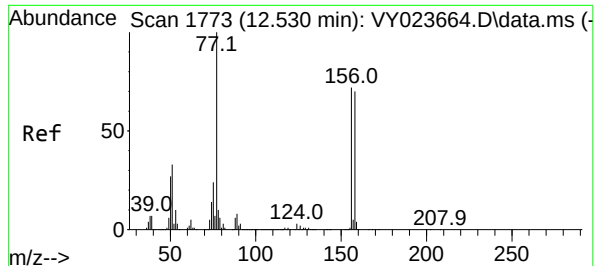
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#76
1,2,3-Trichloropropane
Concen: 51.280 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Tgt Ion: 75 Resp: 142693
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.371 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

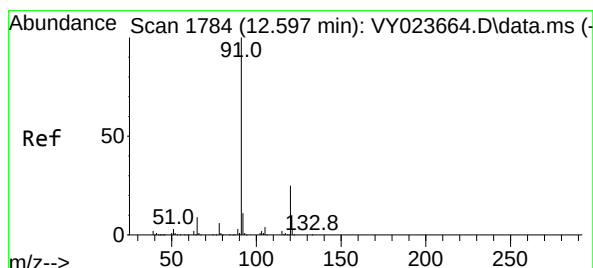
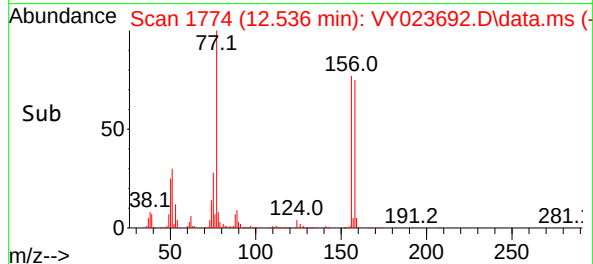
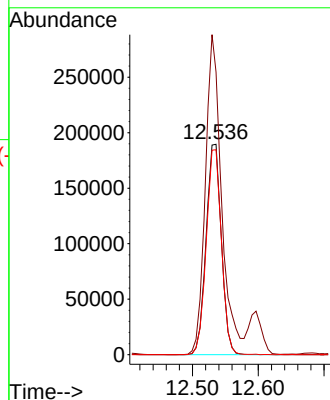
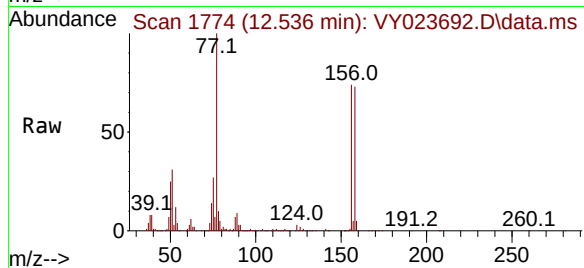
Tgt Ion	Ratio	Lower	Upper
156	100		
77	161.7	77.9	233.7
158	97.4	48.5	145.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#78

n-propylbenzene

Concen: 54.555 ug/l

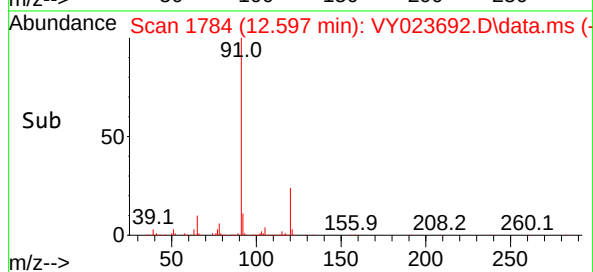
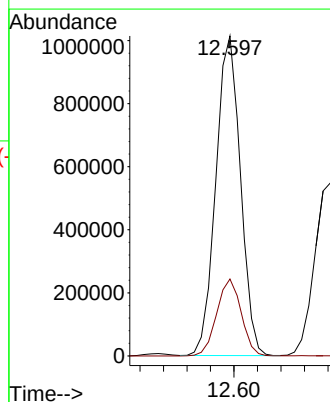
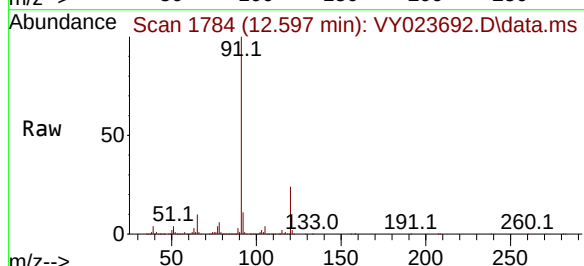
RT: 12.597 min Scan# 1784

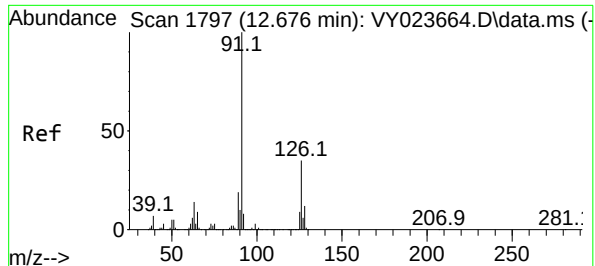
Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.1





#79

2-Chlorotoluene

Concen: 53.786 ug/l

RT: 12.682 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 84423

Ion Ratio Lower Upper

91 100

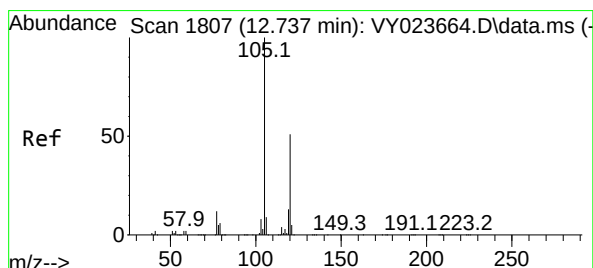
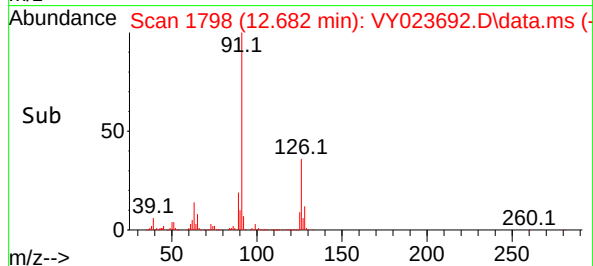
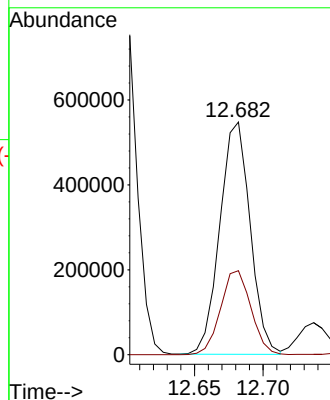
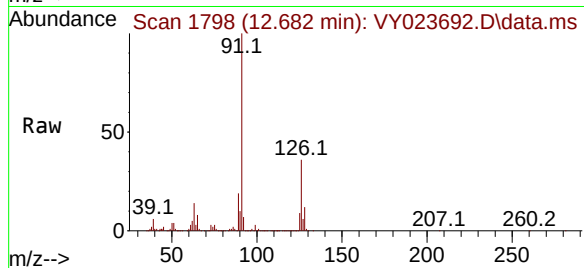
126 36.3 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#80

1,3,5-Trimethylbenzene

Concen: 55.309 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY023692.D

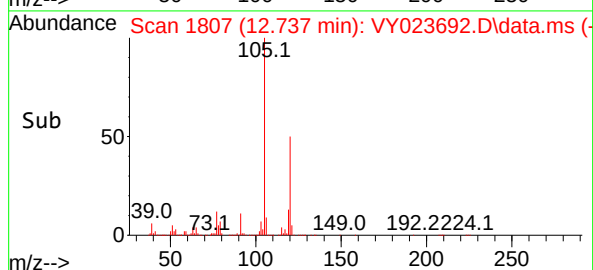
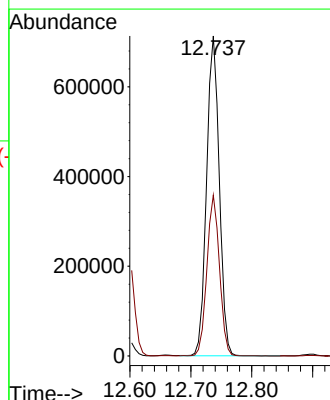
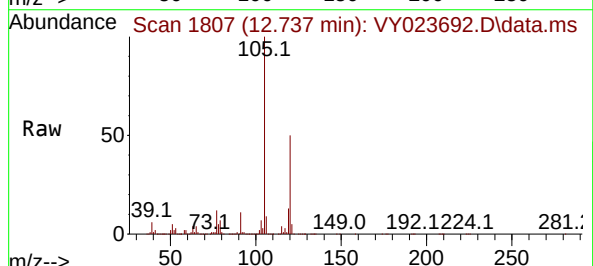
Acq: 06 Nov 2025 08:42

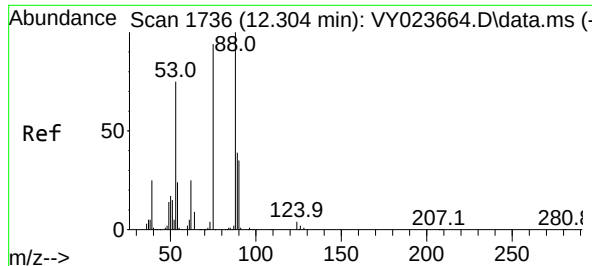
Tgt Ion:105 Resp: 1033388

Ion Ratio Lower Upper

105 100

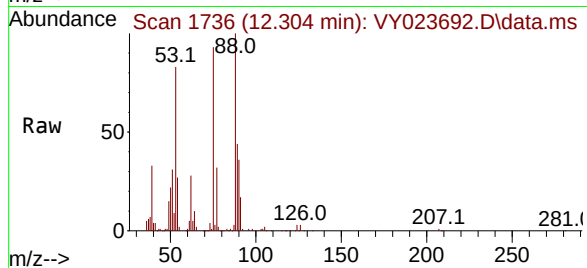
120 49.8 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 49.884 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

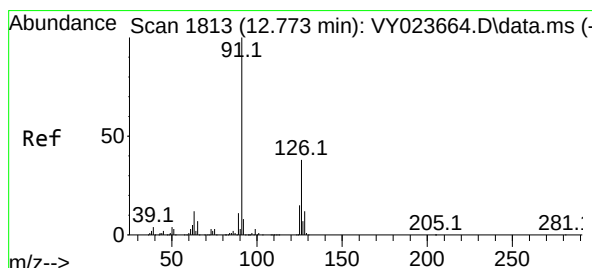
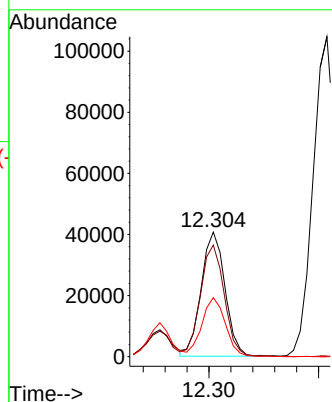
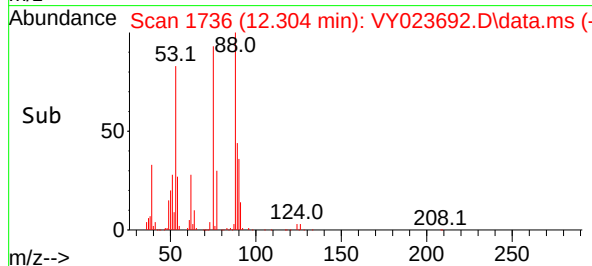
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 6142
Ion Ratio Lower Upper
75 100
53 90.4 69.6 104.4
89 46.9 38.2 57.4

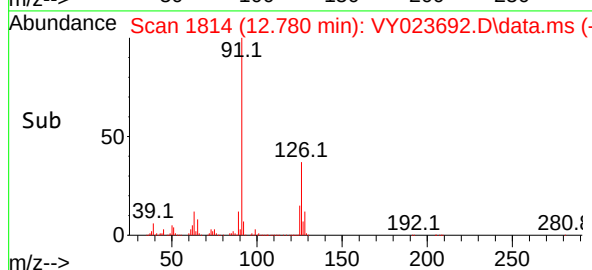
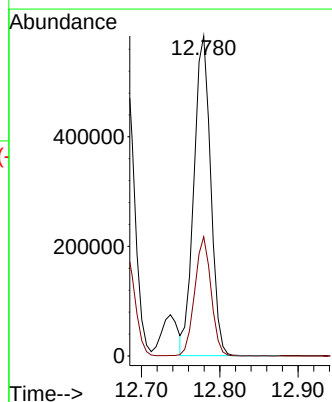
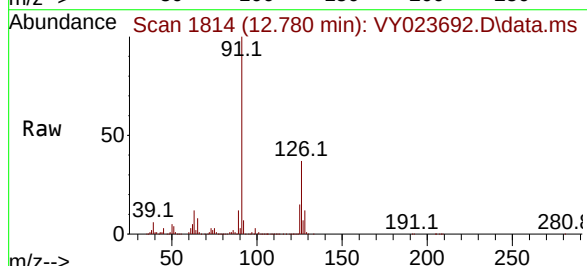
Manual Integrations
APPROVED

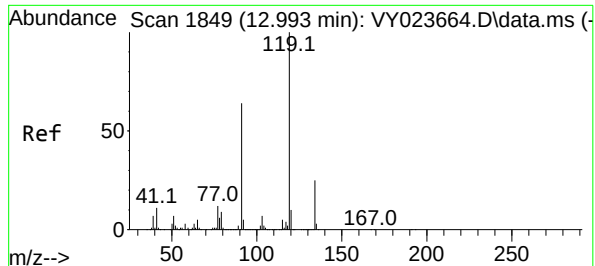
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#82
4-Chlorotoluene
Concen: 53.657 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

Tgt Ion: 91 Resp: 868577
Ion Ratio Lower Upper
91 100
126 36.4 18.1 54.4





#83

tert-Butylbenzene

Concen: 53.674 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 91336

Ion Ratio Lower Upper

119 100

91 61.1 30.7 92.1

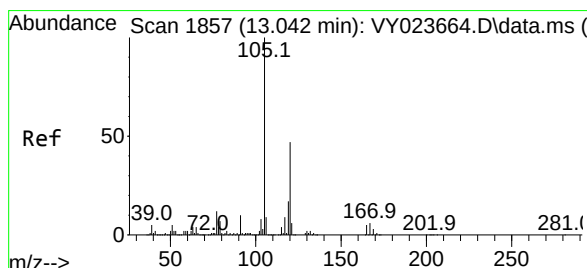
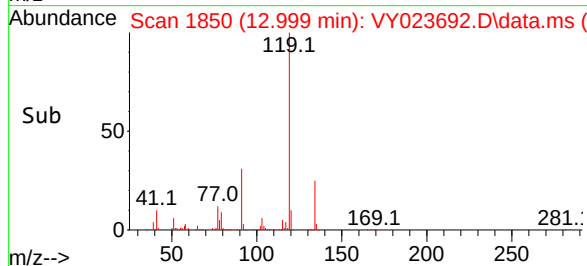
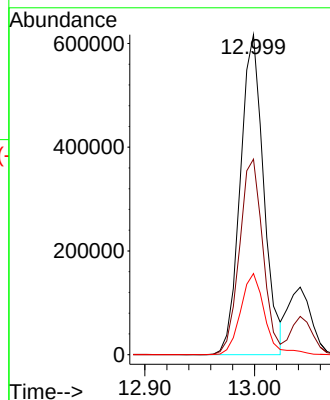
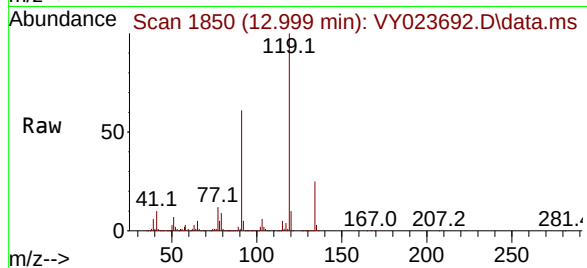
134 26.3 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#84

1,2,4-Trimethylbenzene

Concen: 55.213 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023692.D

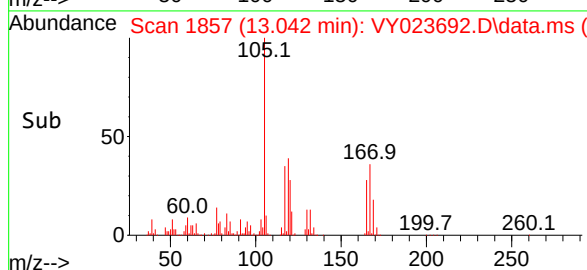
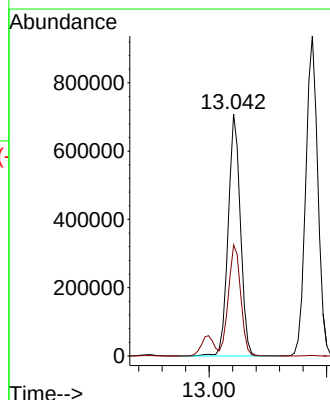
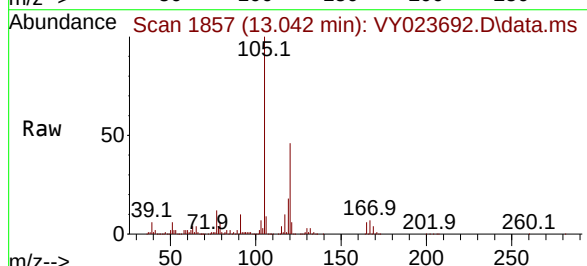
Acq: 06 Nov 2025 08:42

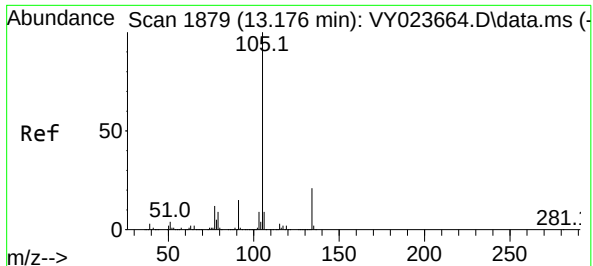
Tgt Ion:105 Resp: 1021769

Ion Ratio Lower Upper

105 100

120 46.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 54.121 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 132835

Ion Ratio Lower Upper

105 100

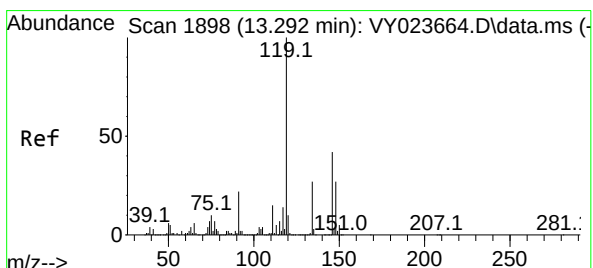
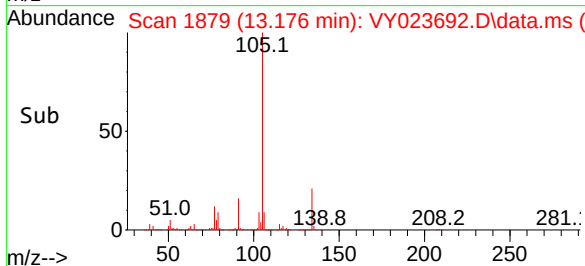
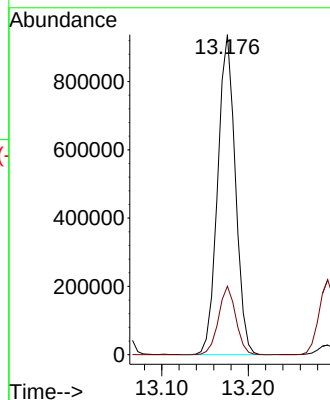
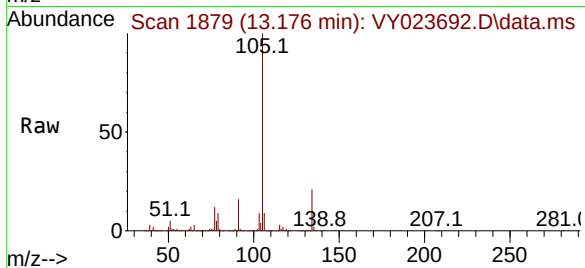
134 21.0 10.4 31.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#86

p-Isopropyltoluene

Concen: 54.561 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

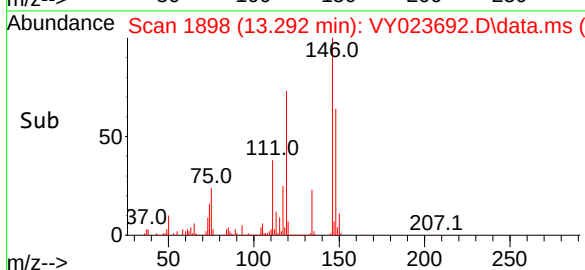
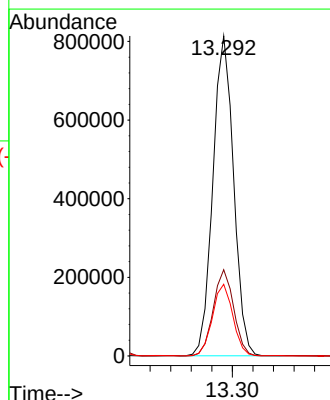
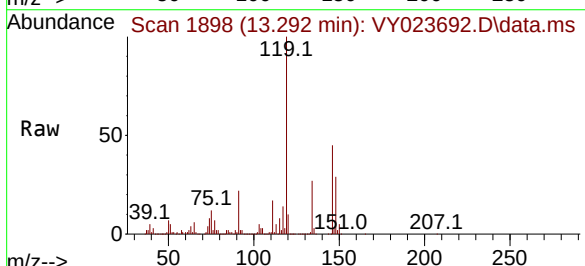
Tgt Ion:119 Resp: 1133654

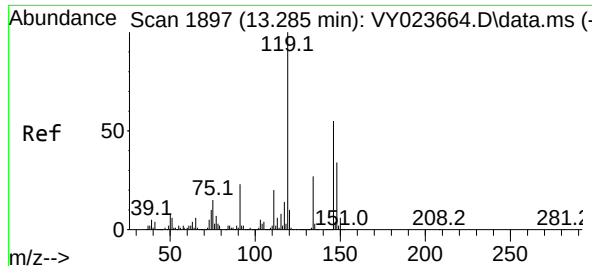
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.2 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 50.991 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

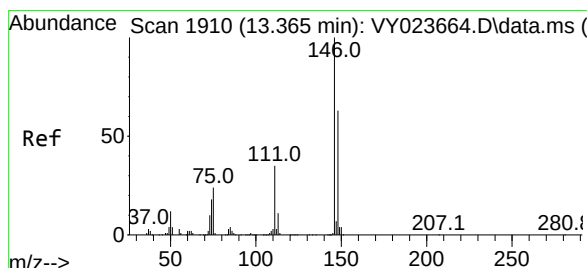
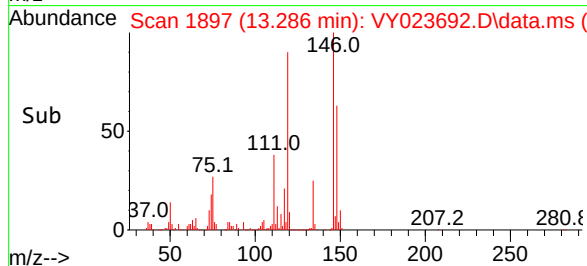
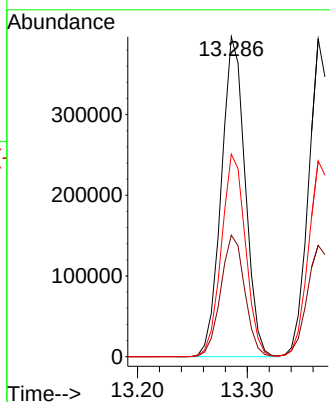
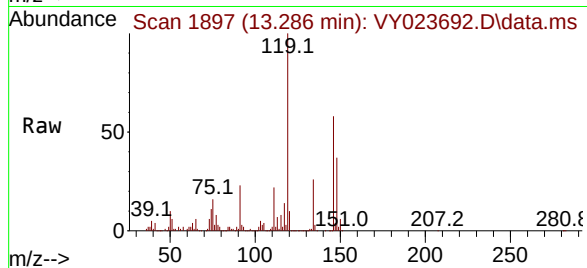
VSTDCCC050

Tgt Ion:	146	Resp:	59864
Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.3
148	64.0	31.9	95.5

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#88

1,4-Dichlorobenzene

Concen: 50.514 ug/l

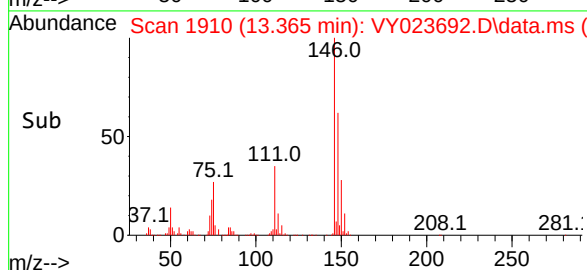
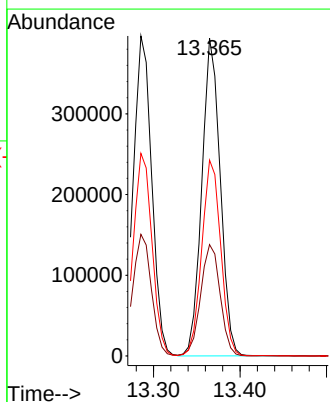
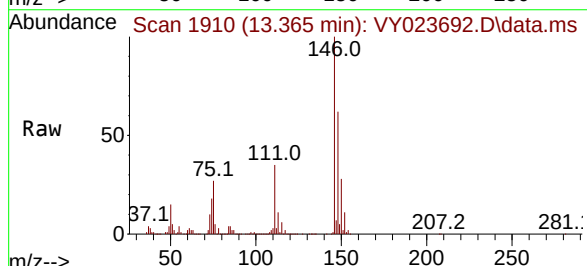
RT: 13.365 min Scan# 1910

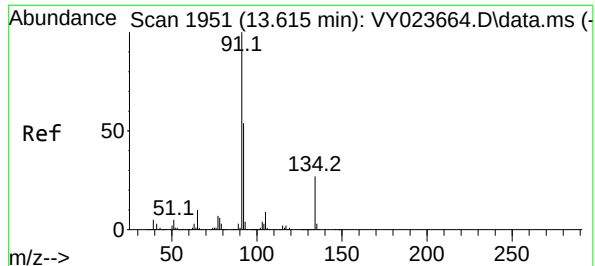
Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Tgt Ion:	146	Resp:	582564
Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.3	54.8
148	63.3	31.8	95.3





#89

n-Butylbenzene

Concen: 55.188 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 997124

Ion Ratio Lower Upper

91 100

92 53.3 26.5 79.4

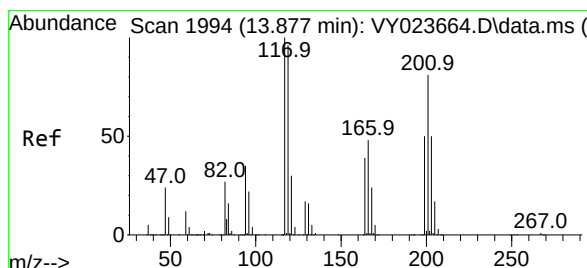
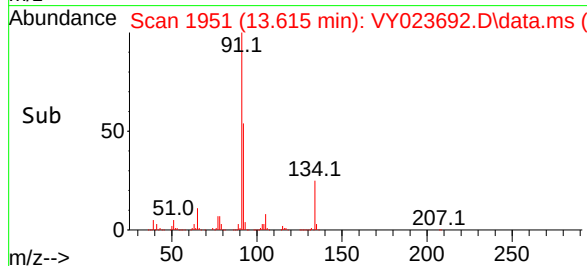
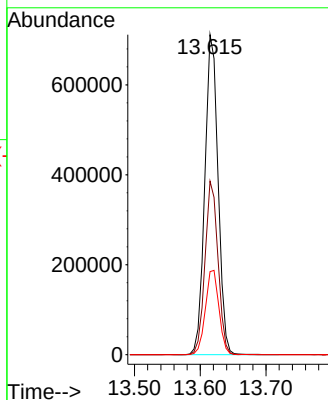
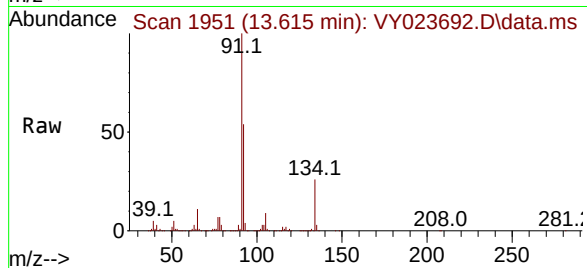
134 27.1 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#90

Hexachloroethane

Concen: 51.431 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023692.D

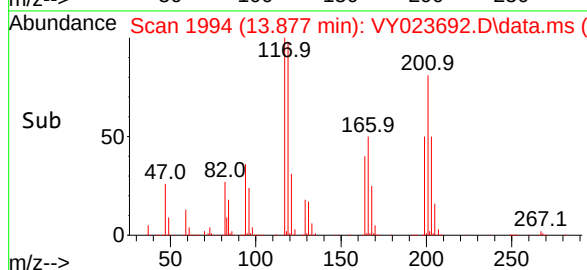
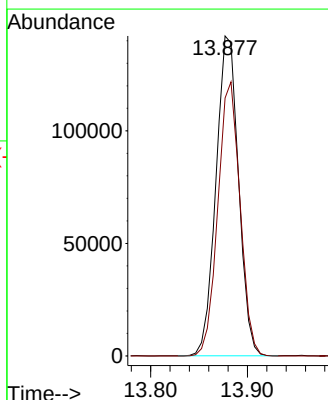
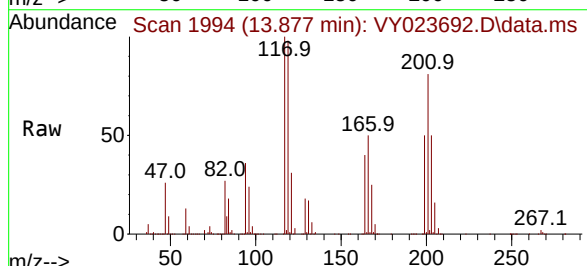
Acq: 06 Nov 2025 08:42

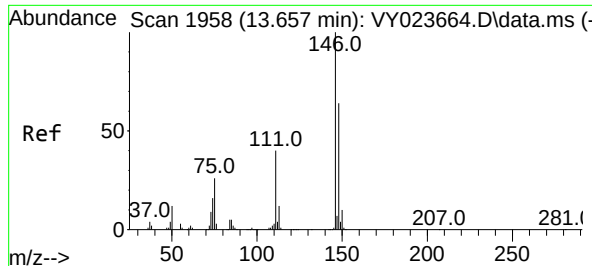
Tgt Ion:117 Resp: 229647

Ion Ratio Lower Upper

117 100

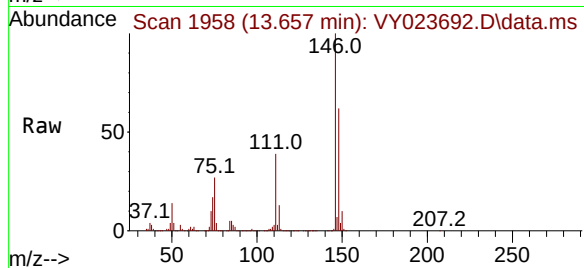
201 84.2 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 50.757 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42

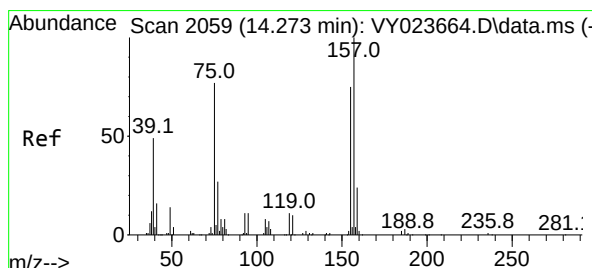
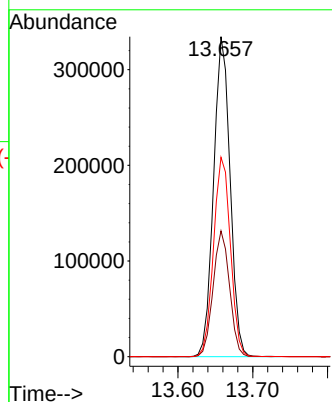
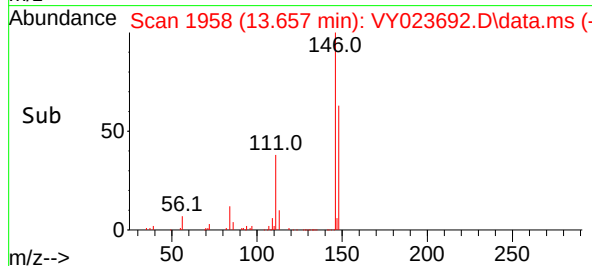
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050



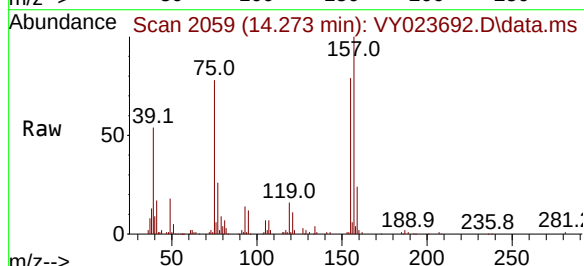
Tgt Ion:146 Resp: 513530
Ion Ratio Lower Upper
146 100
111 39.1 19.5 58.5
148 63.7 31.9 95.9

Manual Integrations
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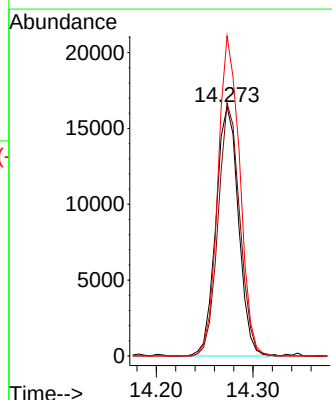
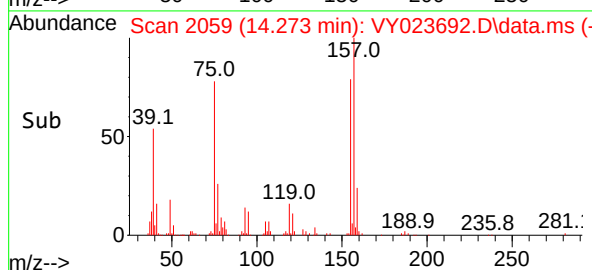
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

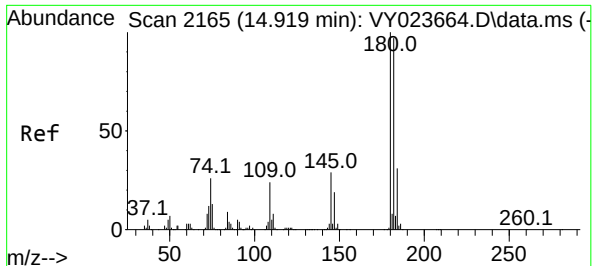


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.980 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023692.D
Acq: 06 Nov 2025 08:42



Tgt Ion: 75 Resp: 26567
Ion Ratio Lower Upper
75 100
155 97.0 49.4 148.2
157 124.1 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 50.173 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 290360

Ion Ratio Lower Upper

180 100

182 94.3 47.5 142.6

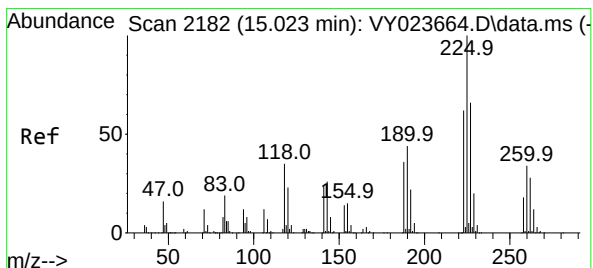
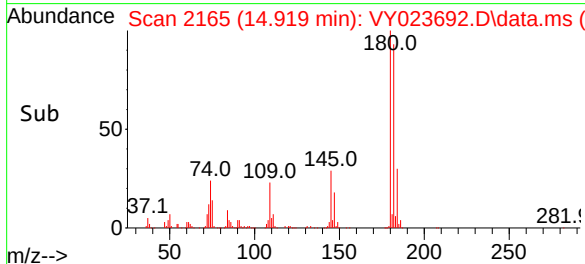
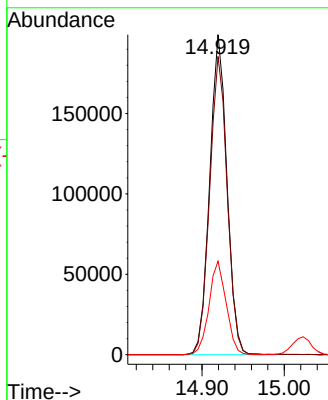
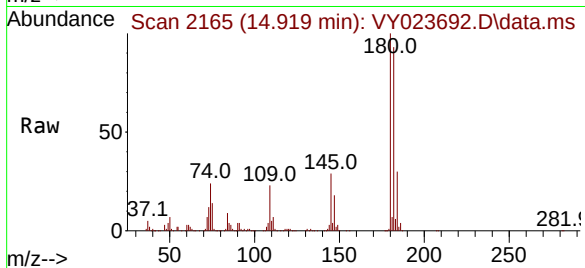
145 29.1 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#94

Hexachlorobutadiene

Concen: 51.103 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

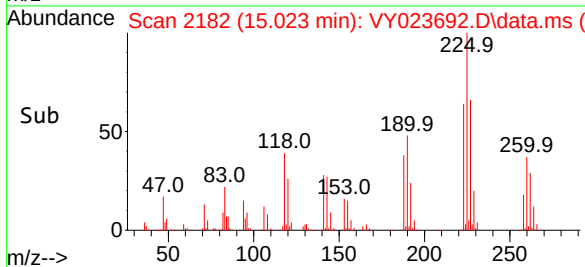
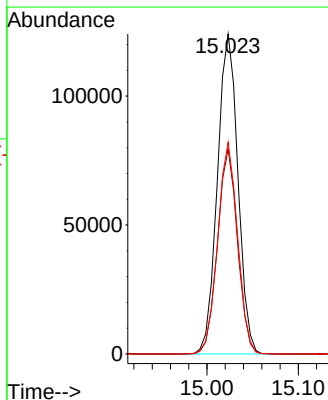
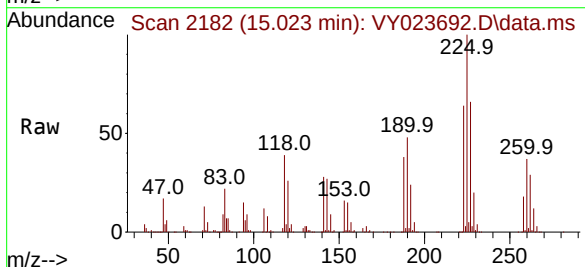
Tgt Ion:225 Resp: 193773

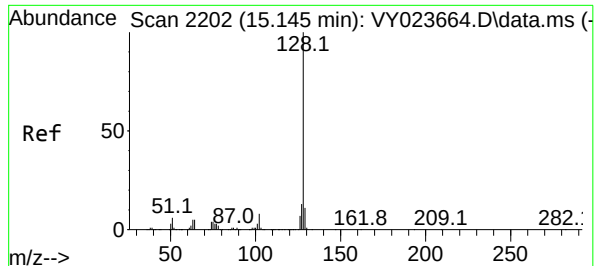
Ion Ratio Lower Upper

225 100

223 62.3 30.8 92.3

227 64.2 32.0 96.2





#95

Naphthalene

Concen: 42.786 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 424304

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

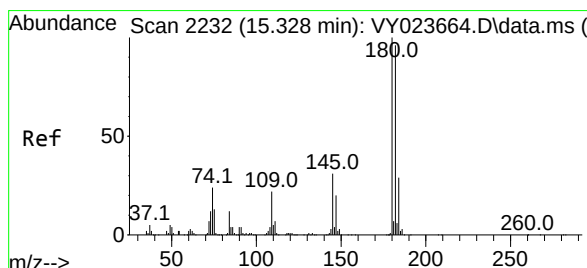
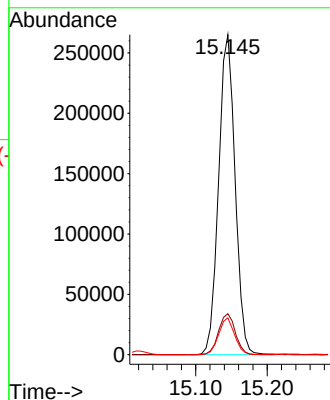
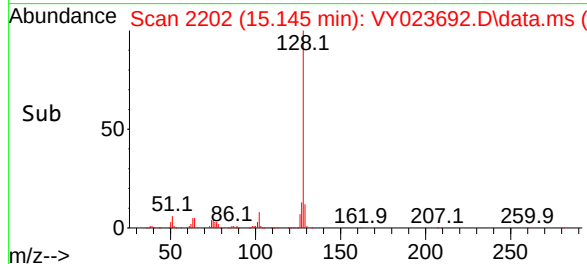
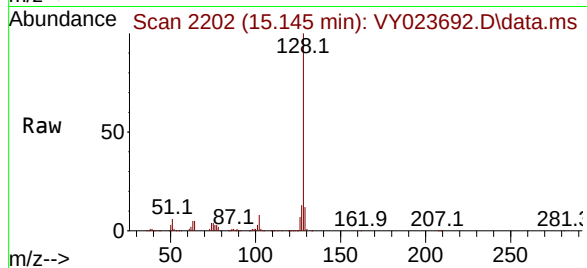
129 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#96

1,2,3-Trichlorobenzene

Concen: 49.428 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023692.D

Acq: 06 Nov 2025 08:42

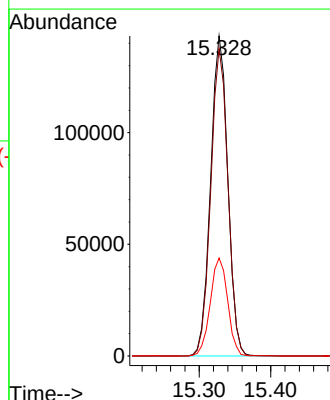
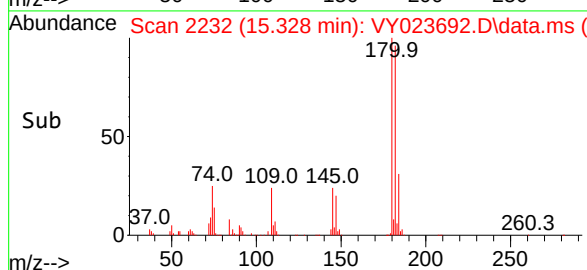
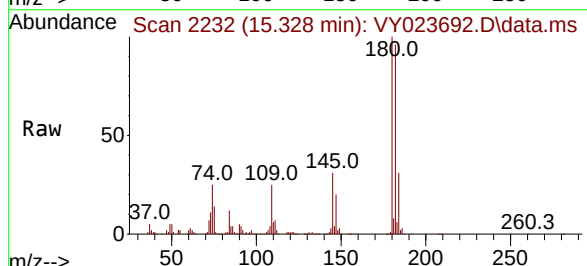
Tgt Ion:180 Resp: 238992

Ion Ratio Lower Upper

180 100

182 96.0 47.5 142.6

145 31.0 15.5 46.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023692.D
Acq On : 06 Nov 2025 08:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 07 04:11:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	93	0.00
2 T	Dichlorodifluoromethane	0.328	0.287	12.5	97	0.00
3 P	Chloromethane	0.459	0.441	3.9	99	0.00
4 C	Vinyl Chloride	0.598	0.567	5.2#	96	0.00
5 T	Bromomethane	0.503	0.450	10.5	94	0.00
6 T	Chloroethane	0.413	0.403	2.4	97	0.00
7 T	Trichlorofluoromethane	0.842	0.801	4.9	96	0.00
8 T	Diethyl Ether	0.226	0.208	8.0	91	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.464	0.452	2.6	97	0.00
10 T	Methyl Iodide	0.548	0.569	-3.8	92	0.00
11 T	Tert butyl alcohol	0.028	0.024	14.3	96	0.00
12 CM	1,1-Dichloroethene	0.447	0.435	2.7#	96	0.00
13 T	Acrolein	0.035	0.027	22.9	85	0.00
14 T	Allyl chloride	0.544	0.558	-2.6	98	0.00
15 T	Acrylonitrile	0.086	0.085	1.2	97	0.00
16 T	Acetone	0.106	0.111	-4.7	109	0.00
17 T	Carbon Disulfide	1.371	1.371	0.0	99	0.00
18 T	Methyl Acetate	0.234	0.221	5.6	98	0.00
19 T	Methyl tert-butyl Ether	1.036	1.010	2.5	93	0.00
20 T	Methylene Chloride	0.512	0.493	3.7	100	0.00
21 T	trans-1,2-Dichloroethene	0.504	0.513	-1.8	98	0.00
22 T	Diisopropyl ether	1.212	1.278	-5.4	97	0.00
23 T	Vinyl Acetate	0.647	0.672	-3.9	96	0.00
24 P	1,1-Dichloroethane	0.807	0.815	-1.0	98	0.00
25 T	2-Butanone	0.123	0.120	2.4	101	0.00
26 T	2,2-Dichloropropane	0.742	0.763	-2.8	100	0.00
27 T	cis-1,2-Dichloroethene	0.575	0.579	-0.7	96	0.00
28 T	Bromochloromethane	0.309	0.315	-1.9	101	0.00
29 T	Tetrahydrofuran	0.065	0.064	1.5	96	0.00
30 C	Chloroform	0.901	0.914	-1.4#	99	0.00
31 T	Cyclohexane	0.703	0.687	2.3	97	0.00
32 T	1,1,1-Trichloroethane	0.805	0.806	-0.1	98	0.00
33 S	1,2-Dichloroethane-d4	0.427	0.431	-0.9	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35 S	Dibromofluoromethane	0.312	0.326	-4.5	97	0.00
36 T	1,1-Dichloropropene	0.418	0.435	-4.1	98	0.00
37 T	Ethyl Acetate	0.162	0.165	-1.9	98	0.00
38 T	Carbon Tetrachloride	0.492	0.508	-3.3	98	0.00
39 T	Methylcyclohexane	0.534	0.552	-3.4	95	0.00
40 TM	Benzene	1.316	1.374	-4.4	99	0.00
41 T	Methacrylonitrile	0.088	0.086	2.3	94	0.00
42 TM	1,2-Dichloroethane	0.333	0.335	-0.6	96	0.00
43 T	Isopropyl Acetate	0.304	0.294	3.3	92	0.00
44 TM	Trichloroethene	0.378	0.379	-0.3	96	0.00
45 C	1,2-Dichloropropane	0.290	0.300	-3.4#	98	0.00
46 T	Dibromomethane	0.180	0.182	-1.1	97	0.00
47 T	Bromodichloromethane	0.454	0.470	-3.5	98	0.00
48 T	Methyl methacrylate	0.143	0.145	-1.4	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023692.D
Acq On : 06 Nov 2025 08:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 07 04:11:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	96	0.00
50 S	Toluene-d8	1.164	1.254	-7.7	97	0.00
51 T	4-Methyl-2-Pentanone	0.162	0.162	0.0	94	0.00
52 CM	Toluene	0.840	0.895	-6.5#	97	0.00
53 T	t-1,3-Dichloropropene	0.384	0.396	-3.1	95	0.00
54 T	cis-1,3-Dichloropropene	0.460	0.479	-4.1	95	0.00
55 T	1,1,2-Trichloroethane	0.241	0.244	-1.2	97	0.00
56 T	Ethyl methacrylate	0.265	0.270	-1.9	90	0.00
57 T	1,3-Dichloropropane	0.381	0.390	-2.4	96	0.00
58 T	2-Chloroethyl Vinyl ether	0.122	0.126	-3.3	91	0.00
59 T	2-Hexanone	0.118	0.120	-1.7	97	0.00
60 T	Dibromochloromethane	0.330	0.332	-0.6	94	0.00
61 T	1,2-Dibromoethane	0.226	0.226	0.0	94	0.00
62 S	4-Bromofluorobenzene	0.376	0.410	-9.0	98	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64 T	Tetrachloroethene	0.520	0.519	0.2	93	0.00
65 PM	Chlorobenzene	1.088	1.108	-1.8	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.385	0.393	-2.1	96	0.00
67 C	Ethyl Benzene	1.762	1.896	-7.6#	96	0.00
68 T	m/p-Xylenes	0.704	0.762	-8.2	96	0.00
69 T	o-Xylene	0.651	0.691	-6.1	94	0.00
70 T	Styrene	1.074	1.161	-8.1	95	0.00
71 P	Bromoform	0.225	0.222	1.3	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	3.344	3.627	-8.5	95	0.00
74 T	N-amyl acetate	0.566	0.562	0.7	88	0.00
75 P	1,1,2,2-Tetrachloroethane	0.534	0.526	1.5	95	0.00
76 T	1,2,3-Trichloropropane	0.405	0.415	-2.5	101	0.00
77 T	Bromobenzene	0.867	0.891	-2.8	94	0.00
78 T	n-propylbenzene	3.933	4.292	-9.1	95	0.00
79 T	2-Chlorotoluene	2.283	2.455	-7.5	96	0.00
80 T	1,3,5-Trimethylbenzene	2.717	3.006	-10.6	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.179	0.179	0.0	94	0.00
82 T	4-Chlorotoluene	2.354	2.526	-7.3	96	0.00
83 T	tert-Butylbenzene	2.475	2.656	-7.3	94	0.00
84 T	1,2,4-Trimethylbenzene	2.691	2.972	-10.4	96	0.00
85 T	sec-Butylbenzene	3.569	3.863	-8.2	95	0.00
86 T	p-Isopropyltoluene	3.022	3.297	-9.1	94	0.00
87 T	1,3-Dichlorobenzene	1.707	1.741	-2.0	93	0.00
88 T	1,4-Dichlorobenzene	1.677	1.694	-1.0	93	0.00
89 T	n-Butylbenzene	2.627	2.900	-10.4	96	0.00
90 T	Hexachloroethane	0.649	0.668	-2.9	95	0.00
91 T	1,2-Dichlorobenzene	1.471	1.494	-1.6	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.082	0.077	6.1	92	0.00
93 T	1,2,4-Trichlorobenzene	0.842	0.844	-0.2	90	0.00
94 T	Hexachlorobutadiene	0.551	0.564	-2.4	93	0.00
95 T	Naphthalene	1.257	1.234	1.8	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023692.D
Acq On : 06 Nov 2025 08:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 07 04:11:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	0.703	0.695	1.1	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023692.D
Acq On : 06 Nov 2025 08:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 07 04:11:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	93	0.00
2 T	Dichlorodifluoromethane	50.000	43.694	12.6	97	0.00
3 P	Chloromethane	50.000	48.001	4.0	99	0.00
4 C	Vinyl Chloride	50.000	47.430	5.1#	96	0.00
5 T	Bromomethane	50.000	44.720	10.6	94	0.00
6 T	Chloroethane	50.000	48.787	2.4	97	0.00
7 T	Trichlorofluoromethane	50.000	47.603	4.8	96	0.00
8 T	Diethyl Ether	50.000	46.079	7.8	91	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.727	2.5	97	0.00
10 T	Methyl Iodide	50.000	51.929	-3.9	92	0.00
11 T	Tert butyl alcohol	250.000	214.909	14.0	96	0.00
12 CM	1,1-Dichloroethene	50.000	48.730	2.5#	96	0.00
13 T	Acrolein	250.000	190.265	23.9	85	0.00
14 T	Allyl chloride	50.000	51.279	-2.6	98	0.00
15 T	Acrylonitrile	250.000	246.060	1.6	97	0.00
16 T	Acetone	250.000	262.102	-4.8	109	0.00
17 T	Carbon Disulfide	50.000	50.000	0.0	99	0.00
18 T	Methyl Acetate	50.000	47.257	5.5	98	0.00
19 T	Methyl tert-butyl Ether	50.000	48.763	2.5	93	0.00
20 T	Methylene Chloride	50.000	48.161	3.7	100	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.901	-1.8	98	0.00
22 T	Diisopropyl ether	50.000	52.737	-5.5	97	0.00
23 T	Vinyl Acetate	250.000	259.826	-3.9	96	0.00
24 P	1,1-Dichloroethane	50.000	50.497	-1.0	98	0.00
25 T	2-Butanone	250.000	244.465	2.2	101	0.00
26 T	2,2-Dichloropropane	50.000	51.381	-2.8	100	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.307	-0.6	96	0.00
28 T	Bromochloromethane	50.000	50.995	-2.0	101	0.00
29 T	Tetrahydrofuran	250.000	245.417	1.8	96	0.00
30 C	Chloroform	50.000	50.771	-1.5#	99	0.00
31 T	Cyclohexane	50.000	48.888	2.2	97	0.00
32 T	1,1,1-Trichloroethane	50.000	50.080	-0.2	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.542	-1.1	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35 S	Dibromofluoromethane	50.000	52.110	-4.2	97	0.00
36 T	1,1-Dichloropropene	50.000	52.056	-4.1	98	0.00
37 T	Ethyl Acetate	50.000	50.938	-1.9	98	0.00
38 T	Carbon Tetrachloride	50.000	51.680	-3.4	98	0.00
39 T	Methylcyclohexane	50.000	51.771	-3.5	95	0.00
40 TM	Benzene	50.000	52.191	-4.4	99	0.00
41 T	Methacrylonitrile	50.000	48.625	2.8	94	0.00
42 TM	1,2-Dichloroethane	50.000	50.268	-0.5	96	0.00
43 T	Isopropyl Acetate	50.000	48.431	3.1	92	0.00
44 TM	Trichloroethene	50.000	50.084	-0.2	96	0.00
45 C	1,2-Dichloropropane	50.000	51.631	-3.3#	98	0.00
46 T	Dibromomethane	50.000	50.465	-0.9	97	0.00
47 T	Bromodichloromethane	50.000	51.829	-3.7	98	0.00
48 T	Methyl methacrylate	50.000	50.398	-0.8	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023692.D
Acq On : 06 Nov 2025 08:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 07 04:11:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	1017.395	-1.7	96	0.00
50 S	Toluene-d8	50.000	53.849	-7.7	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	250.399	-0.2	94	0.00
52 CM	Toluene	50.000	53.262	-6.5#	97	0.00
53 T	t-1,3-Dichloropropene	50.000	51.590	-3.2	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.038	-4.1	95	0.00
55 T	1,1,2-Trichloroethane	50.000	50.815	-1.6	97	0.00
56 T	Ethyl methacrylate	50.000	50.939	-1.9	90	0.00
57 T	1,3-Dichloropropane	50.000	51.160	-2.3	96	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	258.588	-3.4	91	0.00
59 T	2-Hexanone	250.000	255.473	-2.2	97	0.00
60 T	Dibromochloromethane	50.000	50.236	-0.5	94	0.00
61 T	1,2-Dibromoethane	50.000	50.132	-0.3	94	0.00
62 S	4-Bromofluorobenzene	50.000	54.429	-8.9	98	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64 T	Tetrachloroethene	50.000	49.883	0.2	93	0.00
65 PM	Chlorobenzene	50.000	50.915	-1.8	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.027	-2.1	96	0.00
67 C	Ethyl Benzene	50.000	53.799	-7.6#	96	0.00
68 T	m/p-Xylenes	100.000	108.286	-8.3	96	0.00
69 T	o-Xylene	50.000	53.067	-6.1	94	0.00
70 T	Styrene	50.000	54.077	-8.2	95	0.00
71 P	Bromoform	50.000	49.333	1.3	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	54.235	-8.5	95	0.00
74 T	N-amyl acetate	50.000	49.594	0.8	88	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.279	1.4	95	0.00
76 T	1,2,3-Trichloropropane	50.000	51.280	-2.6	101	0.00
77 T	Bromobenzene	50.000	51.371	-2.7	94	0.00
78 T	n-propylbenzene	50.000	54.555	-9.1	95	0.00
79 T	2-Chlorotoluene	50.000	53.786	-7.6	96	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.309	-10.6	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.884	0.2	94	0.00
82 T	4-Chlorotoluene	50.000	53.657	-7.3	96	0.00
83 T	tert-Butylbenzene	50.000	53.674	-7.3	94	0.00
84 T	1,2,4-Trimethylbenzene	50.000	55.213	-10.4	96	0.00
85 T	sec-Butylbenzene	50.000	54.121	-8.2	95	0.00
86 T	p-Isopropyltoluene	50.000	54.561	-9.1	94	0.00
87 T	1,3-Dichlorobenzene	50.000	50.991	-2.0	93	0.00
88 T	1,4-Dichlorobenzene	50.000	50.514	-1.0	93	0.00
89 T	n-Butylbenzene	50.000	55.188	-10.4	96	0.00
90 T	Hexachloroethane	50.000	51.431	-2.9	95	0.00
91 T	1,2-Dichlorobenzene	50.000	50.757	-1.5	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.980	6.0	92	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.173	-0.3	90	0.00
94 T	Hexachlorobutadiene	50.000	51.103	-2.2	93	0.00
95 T	Naphthalene	50.000	42.786	14.4	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023692.D
Acq On : 06 Nov 2025 08:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 07 04:11:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 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	49.428	1.1	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

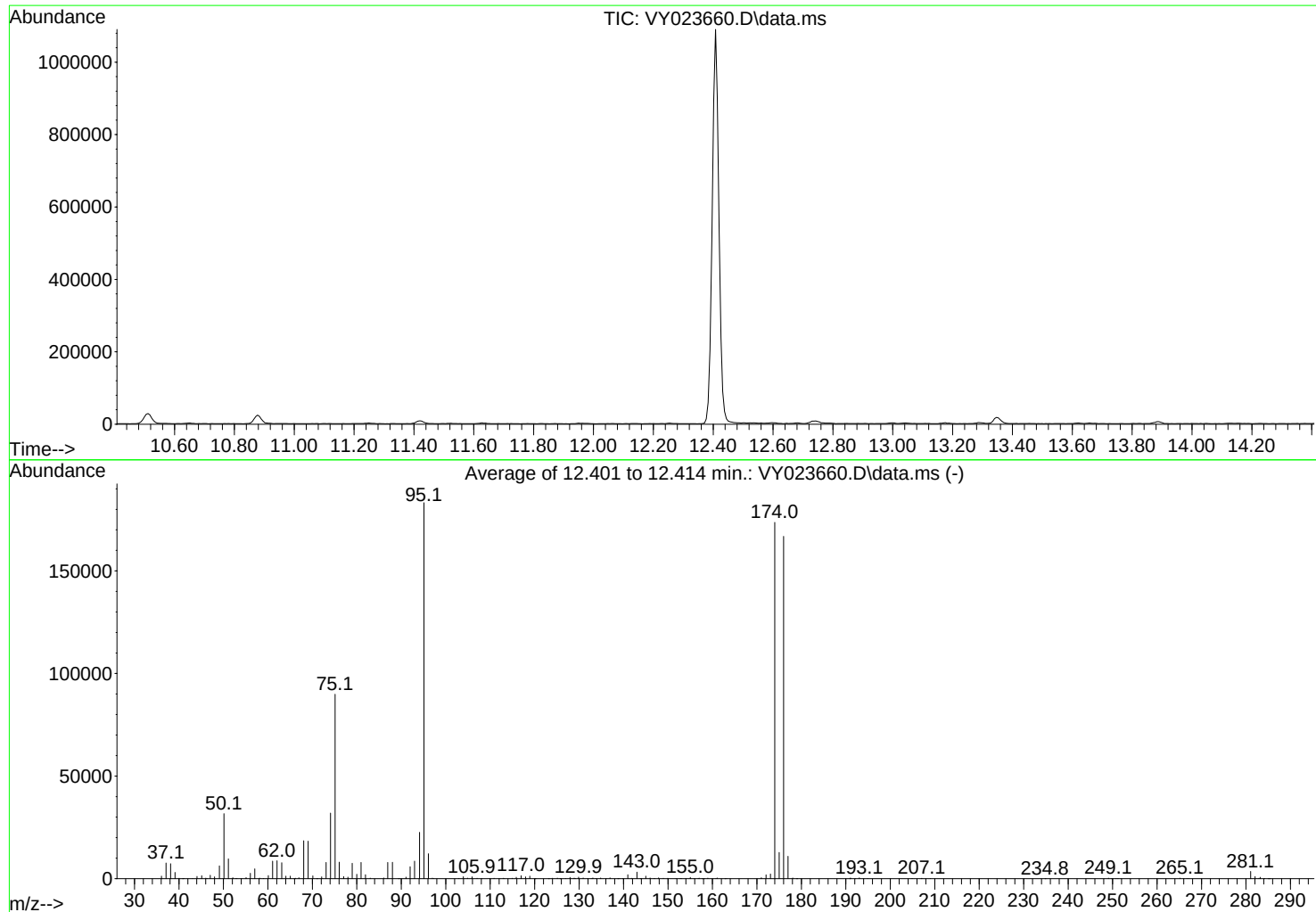
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023660.D
Acq On : 04 Nov 2025 08:11
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\82Y110425S.M
Title : SW846 8260
Last Update : Wed Nov 05 04:41:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

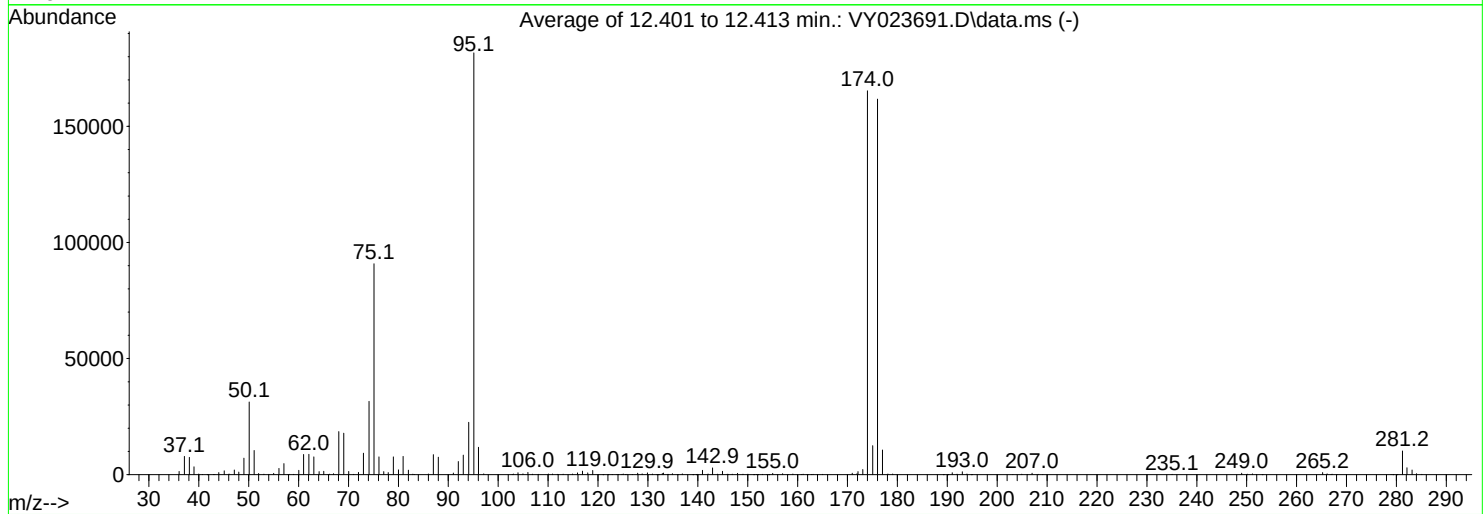
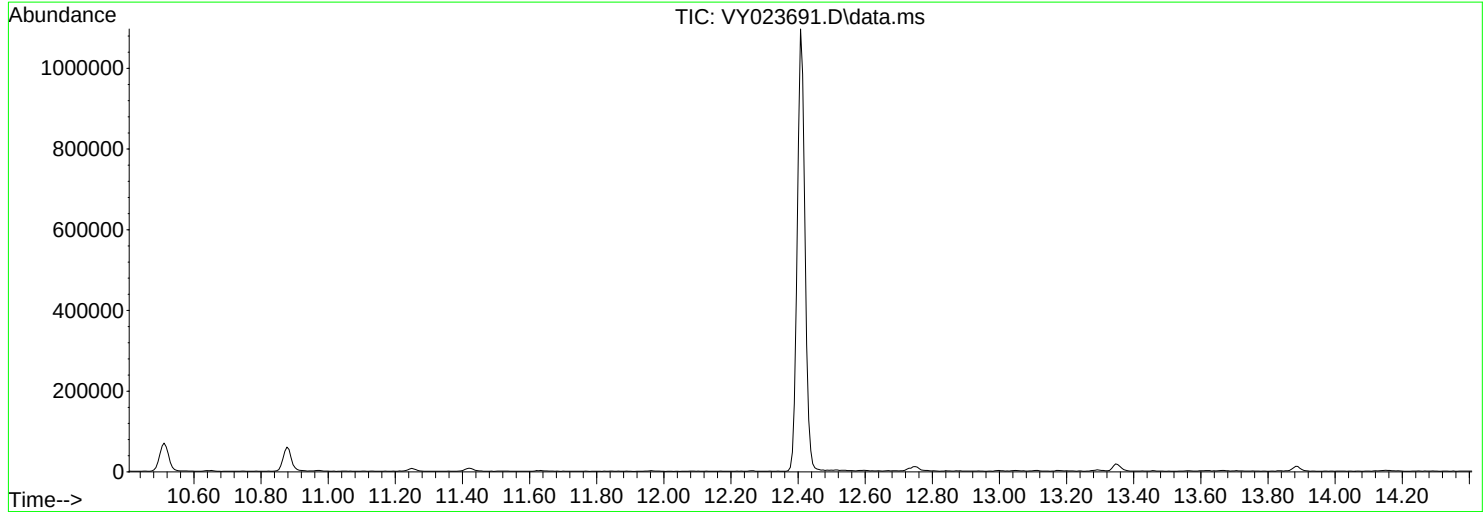
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	17.3	31677	PASS
75	95	30	60	49.0	89880	PASS
95	95	100	100	100.0	183253	PASS
96	95	5	9	6.7	12193	PASS
173	174	0.00	2	1.3	2292	PASS
174	95	50	100	94.8	173653	PASS
175	174	5	9	7.4	12790	PASS
176	174	95	101	96.1	166869	PASS
177	176	5	9	6.5	10925	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023691.D
Acq On : 06 Nov 2025 08:09
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\82Y110425S.M
Title : SW846 8260
Last Update : Wed Nov 05 04:41:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	17.2	31323	PASS
75	95	30	60	50.0	90808	PASS
95	95	100	100	100.0	181653	PASS
96	95	5	9	6.5	11780	PASS
173	174	0.00	2	1.3	2185	PASS
174	95	50	100	91.0	165333	PASS
175	174	5	9	7.6	12503	PASS
176	174	95	101	97.8	161725	PASS
177	176	5	9	6.6	10598	PASS



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

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: VY1106SBL01

Lab Sample ID: VY1106SBL01

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 09:13	VY110625
141-78-6	Ethyl Acetate	1.30	U	1	1.30	5.00	ug/Kg	11/06/25 09:13	VY110625
108-21-4	Isopropyl Acetate	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/06/25 09:13	VY110625
109-99-9	Tetrahydrofuran	4.70	U	1	4.70	25.0	ug/Kg	11/06/25 09:13	VY110625
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
75-65-0	Tert butyl alcohol	13.7	U	1	13.7	25.0	ug/Kg	11/06/25 09:13	VY110625
60-29-7	Diethyl Ether	0.77	U	1	0.77	5.00	ug/Kg	11/06/25 09:13	VY110625
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/06/25 09:13	VY110625
107-02-8	Acrolein	8.80	U	1	8.80	25.0	ug/Kg	11/06/25 09:13	VY110625
107-13-1	Acrylonitrile	5.00	U	1	5.00	25.0	ug/Kg	11/06/25 09:13	VY110625
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/06/25 09:13	VY110625
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/06/25 09:13	VY110625
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/06/25 09:13	VY110625
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/06/25 09:13	VY110625
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/06/25 09:13	VY110625
108-05-4	Vinyl Acetate	4.90	U	1	4.90	25.0	ug/Kg	11/06/25 09:13	VY110625
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/06/25 09:13	VY110625
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 09:13	VY110625
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/06/25 09:13	VY110625
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/06/25 09:13	VY110625
594-20-7	2,2-Dichloropropane	1.30	U	1	1.30	5.00	ug/Kg	11/06/25 09:13	VY110625
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/06/25 09:13	VY110625
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/06/25 09:13	VY110625
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/06/25 09:13	VY110625
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
563-58-6	1,1-Dichloropropene	0.87	U	1	0.87	5.00	ug/Kg	11/06/25 09:13	VY110625
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 09:13	VY110625
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 09:13	VY110625
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/06/25 09:13	VY110625
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
74-95-3	Dibromomethane	0.89	U	1	0.89	5.00	ug/Kg	11/06/25 09:13	VY110625
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 09:13	VY110625
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/06/25 09:13	VY110625
80-62-6	Methyl methacrylate	0.74	U	1	0.74	5.00	ug/Kg	11/06/25 09:13	VY110625
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 09:13	VY110625
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/06/25 09:13	VY110625

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: VY1106SBL01

Lab Sample ID: VY1106SBL01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 g

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/06/25 09:13	VY110625
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/06/25 09:13	VY110625
142-28-9	1,3-Dichloropropane	0.68	U	1	0.68	5.00	ug/Kg	11/06/25 09:13	VY110625
110-75-8	2-Chloroethyl Vinyl ether	3.80	U	1	3.80	25.0	ug/Kg	11/06/25 09:13	VY110625
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/06/25 09:13	VY110625
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/06/25 09:13	VY110625
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/06/25 09:13	VY110625
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
630-20-6	1,1,1,2-Tetrachloroethane	0.77	U	1	0.77	5.00	ug/Kg	11/06/25 09:13	VY110625
67-72-1	Hexachloroethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/06/25 09:13	VY110625
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/06/25 09:13	VY110625
1330-20-7	Total Xylenes	2.02	U	1	2.02	15.0	ug/Kg	11/06/25 09:13	VY110625
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/06/25 09:13	VY110625
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/06/25 09:13	VY110625
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/06/25 09:13	VY110625
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 09:13	VY110625
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
96-18-4	1,2,3-Trichloropropane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
108-86-1	Bromobenzene	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
103-65-1	n-propylbenzene	0.73	U	1	0.73	5.00	ug/Kg	11/06/25 09:13	VY110625
95-49-8	2-Chlorotoluene	0.68	U	1	0.68	5.00	ug/Kg	11/06/25 09:13	VY110625
108-67-8	1,3,5-Trimethylbenzene	0.82	U	1	0.82	5.00	ug/Kg	11/06/25 09:13	VY110625
106-43-4	4-Chlorotoluene	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
98-06-6	tert-Butylbenzene	0.67	U	1	0.67	5.00	ug/Kg	11/06/25 09:13	VY110625
95-63-6	1,2,4-Trimethylbenzene	0.64	U	1	0.64	5.00	ug/Kg	11/06/25 09:13	VY110625
135-98-8	sec-Butylbenzene	0.66	U	1	0.66	5.00	ug/Kg	11/06/25 09:13	VY110625
99-87-6	p-Isopropyltoluene	0.62	U	1	0.62	5.00	ug/Kg	11/06/25 09:13	VY110625
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/06/25 09:13	VY110625
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/06/25 09:13	VY110625
104-51-8	n-Butylbenzene	1.50	U	1	1.50	5.00	ug/Kg	11/06/25 09:13	VY110625
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/06/25 09:13	VY110625
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/06/25 09:13	VY110625
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/06/25 09:13	VY110625
87-68-3	Hexachlorobutadiene	1.90	U	1	1.90	5.00	ug/Kg	11/06/25 09:13	VY110625
91-20-3	Naphthalene	2.60	U	1	2.60	5.00	ug/Kg	11/06/25 09:13	VY110625
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/06/25 09:13	VY110625
628-63-7	N-amyl acetate	0.97	U	1	0.97	5.00	ug/Kg	11/06/25 09:13	VY110625
74-88-4	Methyl Iodide	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
107-05-1	Allyl chloride	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 09:13	VY110625
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
126-98-7	Methacrylonitrile	1.80	U	1	1.80	5.00	ug/Kg	11/06/25 09:13	VY110625

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: VY1106SBL01

Lab Sample ID: VY1106SBL01

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
108-20-3	Diisopropyl ether	0.55	U	1	0.55	5.00	ug/Kg	11/06/25 09:13	VY110625
123-91-1	1,4-Dioxane	48.1	U	1	48.1	100	ug/Kg	11/06/25 09:13	VY110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.7			63 - 155	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	48.8			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.9			17 - 146	84%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			70 - 134	102%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	740000							
540-36-3	1,4-Difluorobenzene	1300000							
3114-55-4	Chlorobenzene-d5	1090000							
3855-82-1	1,4-Dichlorobenzene-d4	415000							

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\VY110625\
Data File : VY023693.D
Acq On : 06 Nov 2025 09:13
Operator : SY/MD
Sample : VY1106SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBL01

Quant Time: Nov 07 04:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	739742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1301529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1087747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	415434	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	376910	59.731	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.460%
35) Dibromofluoromethane	7.634	113	416456	51.201	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.400%
50) Toluene-d8	10.109	98	1479065	48.816	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.408	95	410618	41.907	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.820%

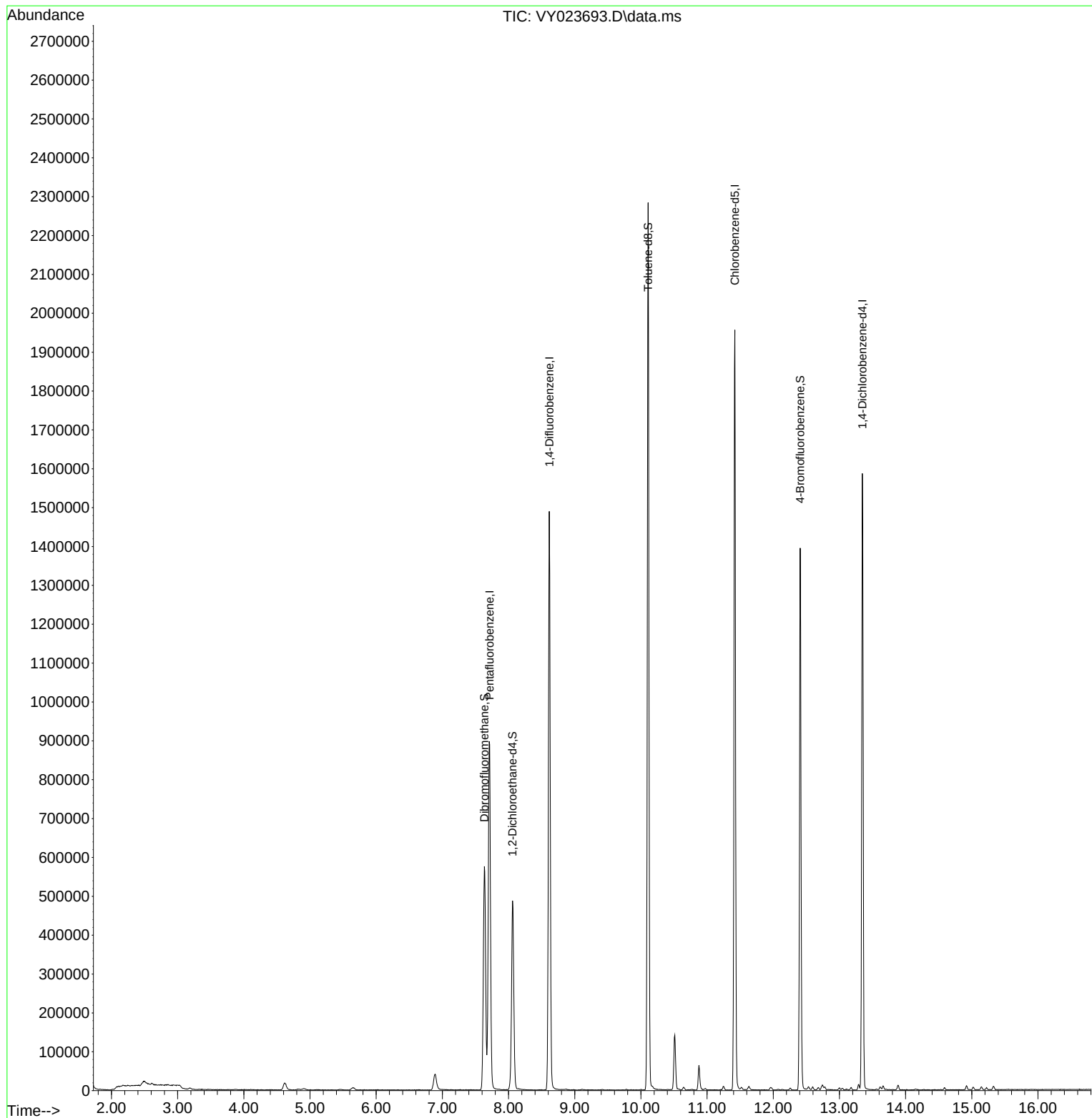
Target Compounds	Qvalue

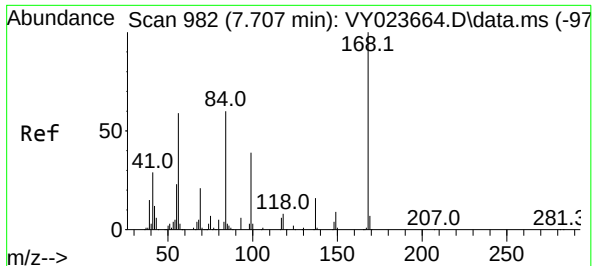
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023693.D
Acq On : 06 Nov 2025 09:13
Operator : SY/MD
Sample : VY1106SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBL01

Quant Time: Nov 07 04:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

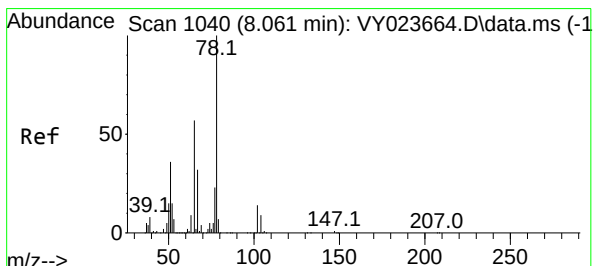
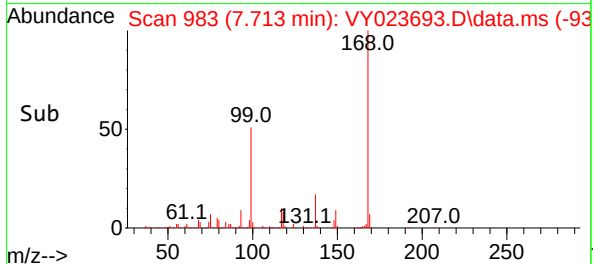
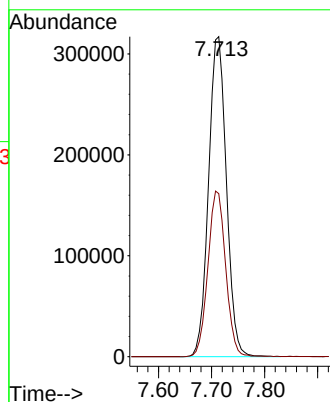
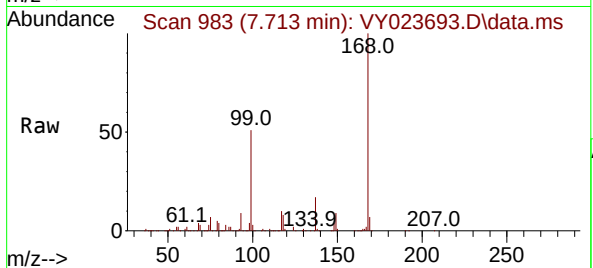




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

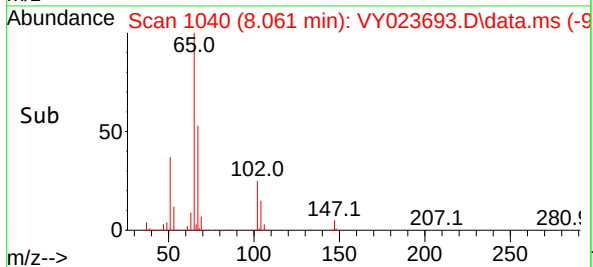
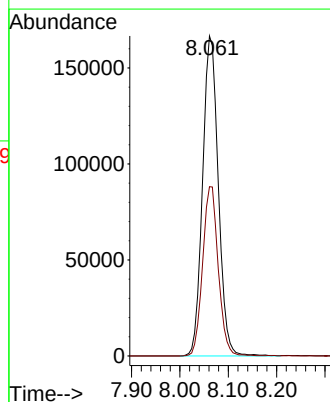
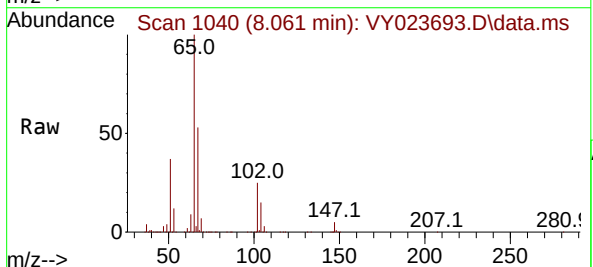
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBL01

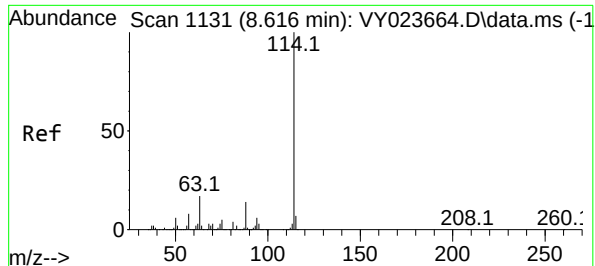
Tgt Ion:168 Resp: 739742
Ion Ratio Lower Upper
168 100
99 51.0 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 59.731 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Tgt Ion: 65 Resp: 376910
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBL01

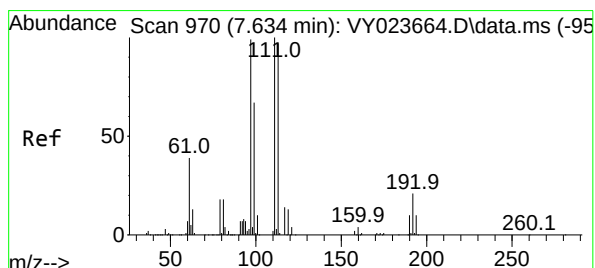
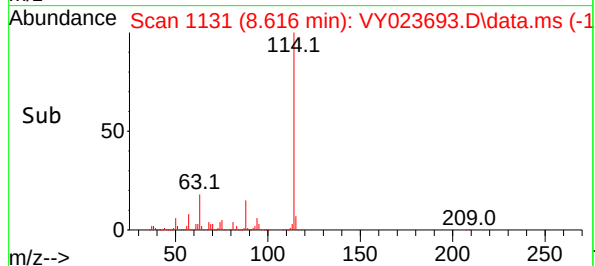
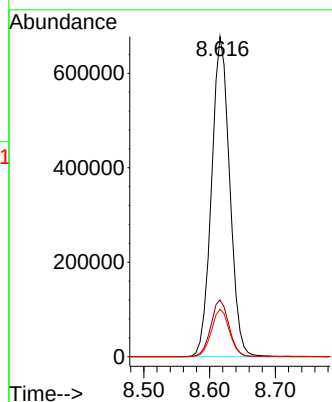
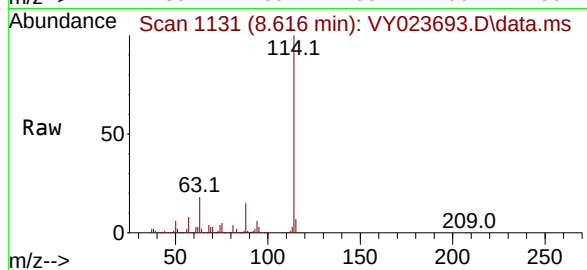
Tgt Ion:114 Resp: 1301529

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.201 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

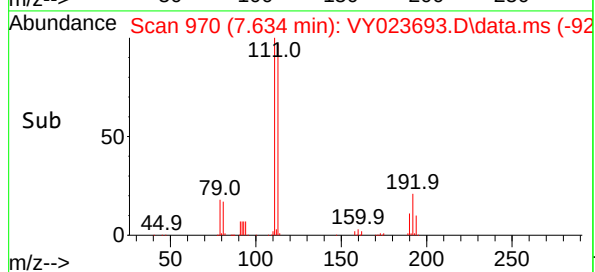
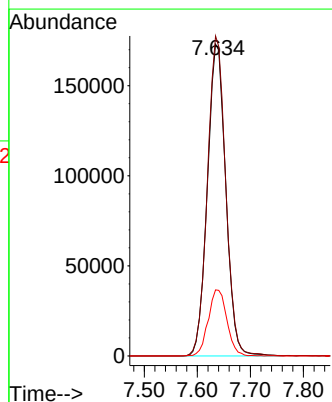
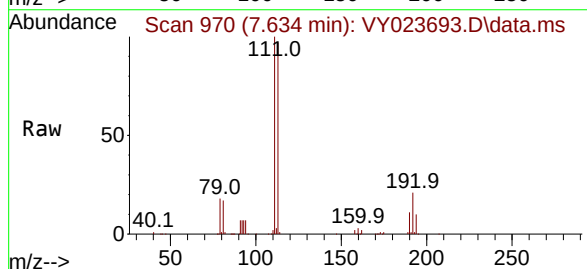
Tgt Ion:113 Resp: 416456

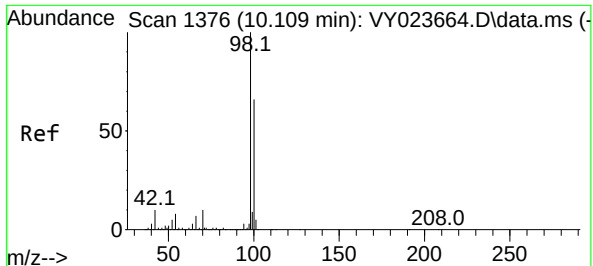
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 21.6 17.3 25.9

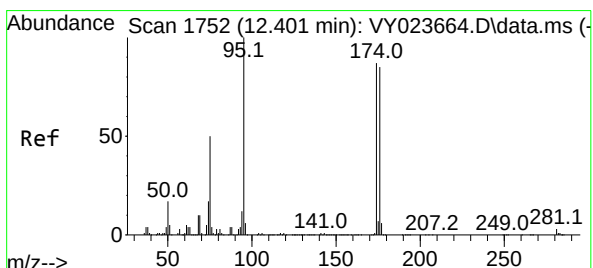
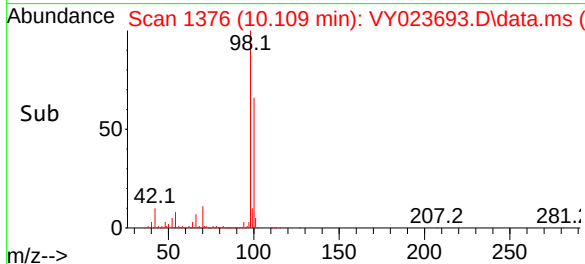
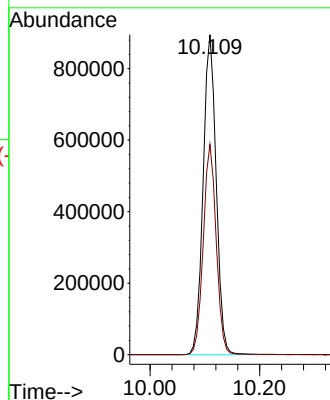
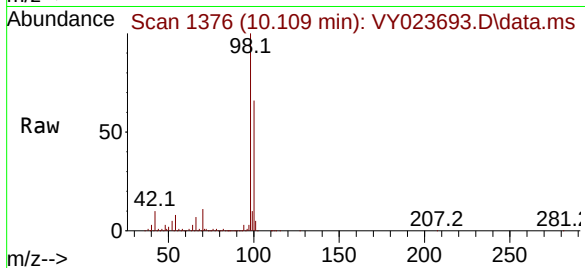




#50
Toluene-d8
Concen: 48.816 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

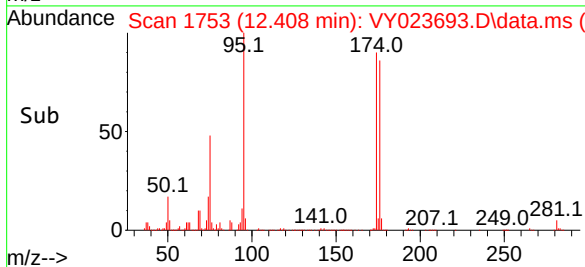
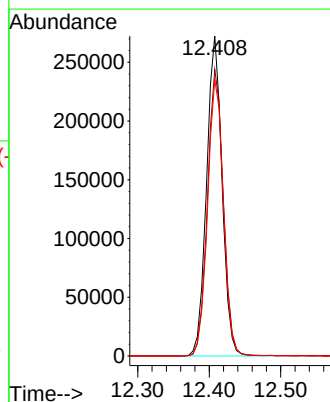
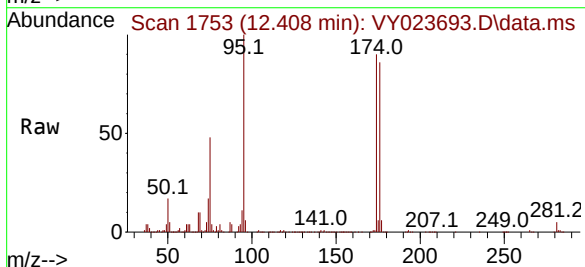
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBL01

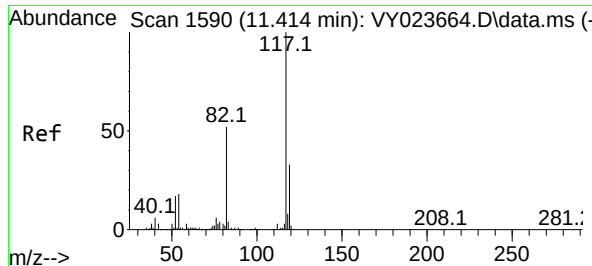
Tgt Ion: 98 Resp: 1479065
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 41.907 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Tgt Ion: 95 Resp: 410618
Ion Ratio Lower Upper
95 100
174 92.0 0.0 184.8
176 88.2 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBL01

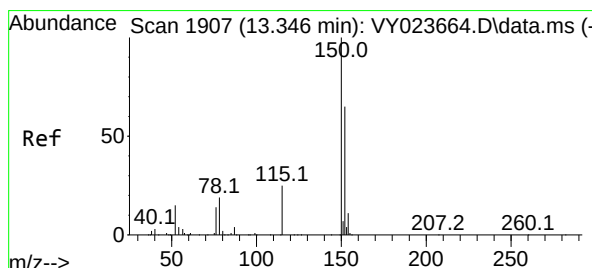
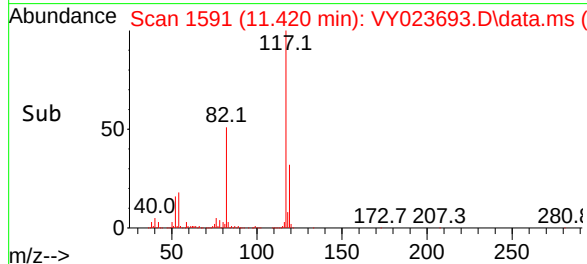
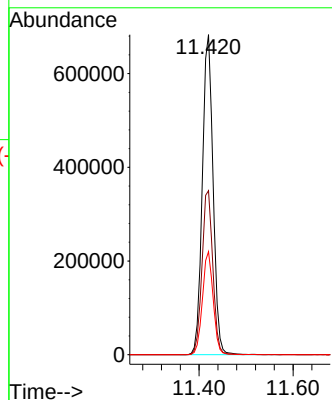
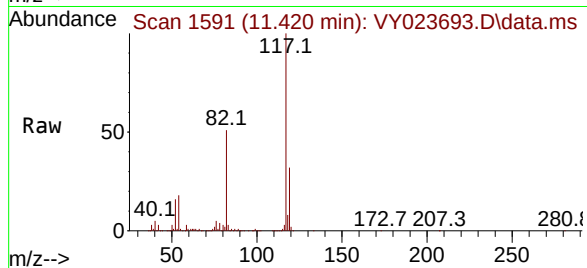
Tgt Ion:117 Resp: 1087747

Ion Ratio Lower Upper

117 100

82 51.3 41.2 61.8

119 32.2 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

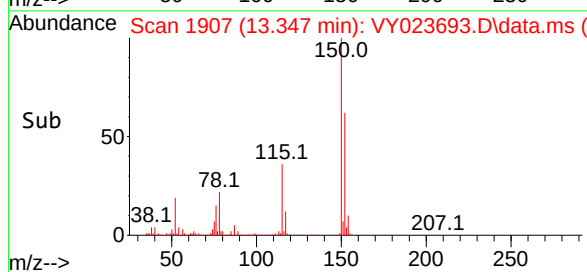
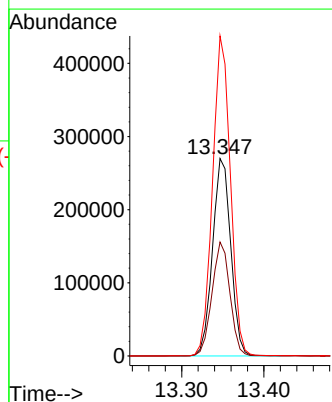
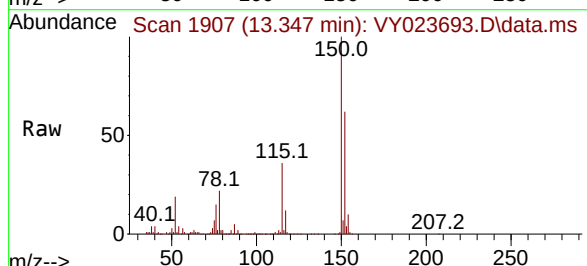
Tgt Ion:152 Resp: 415434

Ion Ratio Lower Upper

152 100

115 56.7 27.5 82.5

150 158.3 0.0 349.0





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

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: VY1106SBS01

Lab Sample ID: VY1106SBS01

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.0		1	1.10	5.00	ug/Kg	11/06/25 09:44	VY110625
74-87-3	Chloromethane	21.4		1	1.10	5.00	ug/Kg	11/06/25 09:44	VY110625
75-01-4	Vinyl Chloride	20.6		1	0.79	5.00	ug/Kg	11/06/25 09:44	VY110625
141-78-6	Ethyl Acetate	21.2		1	1.30	5.00	ug/Kg	11/06/25 09:44	VY110625
108-21-4	Isopropyl Acetate	20.6		1	0.91	5.00	ug/Kg	11/06/25 09:44	VY110625
74-83-9	Bromomethane	21.4		1	1.10	5.00	ug/Kg	11/06/25 09:44	VY110625
75-00-3	Chloroethane	20.3		1	1.30	5.00	ug/Kg	11/06/25 09:44	VY110625
109-99-9	Tetrahydrofuran	110		1	4.70	25.0	ug/Kg	11/06/25 09:44	VY110625
75-69-4	Trichlorofluoromethane	20.6		1	1.20	5.00	ug/Kg	11/06/25 09:44	VY110625
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1	1.10	5.00	ug/Kg	11/06/25 09:44	VY110625
75-65-0	Tert butyl alcohol	130		1	13.7	25.0	ug/Kg	11/06/25 09:44	VY110625
60-29-7	Diethyl Ether	20.4		1	0.77	5.00	ug/Kg	11/06/25 09:44	VY110625
75-35-4	1,1-Dichloroethene	20.4		1	1.00	5.00	ug/Kg	11/06/25 09:44	VY110625
107-02-8	Acrolein	110		1	8.80	25.0	ug/Kg	11/06/25 09:44	VY110625
107-13-1	Acrylonitrile	110		1	5.00	25.0	ug/Kg	11/06/25 09:44	VY110625
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	11/06/25 09:44	VY110625
75-15-0	Carbon Disulfide	21.0		1	1.10	5.00	ug/Kg	11/06/25 09:44	VY110625
1634-04-4	Methyl tert-butyl Ether	20.4		1	0.73	5.00	ug/Kg	11/06/25 09:44	VY110625
79-20-9	Methyl Acetate	21.3		1	1.50	5.00	ug/Kg	11/06/25 09:44	VY110625
75-09-2	Methylene Chloride	22.0		1	3.50	10.0	ug/Kg	11/06/25 09:44	VY110625
156-60-5	trans-1,2-Dichloroethene	20.9		1	0.86	5.00	ug/Kg	11/06/25 09:44	VY110625
108-05-4	Vinyl Acetate	110		1	4.90	25.0	ug/Kg	11/06/25 09:44	VY110625
75-34-3	1,1-Dichloroethane	20.9		1	0.80	5.00	ug/Kg	11/06/25 09:44	VY110625
110-82-7	Cyclohexane	20.8		1	0.79	5.00	ug/Kg	11/06/25 09:44	VY110625
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	11/06/25 09:44	VY110625
56-23-5	Carbon Tetrachloride	20.5		1	0.97	5.00	ug/Kg	11/06/25 09:44	VY110625
594-20-7	2,2-Dichloropropane	21.0		1	1.30	5.00	ug/Kg	11/06/25 09:44	VY110625
156-59-2	cis-1,2-Dichloroethene	20.2		1	0.75	5.00	ug/Kg	11/06/25 09:44	VY110625
74-97-5	Bromochloromethane	21.4		1	1.20	5.00	ug/Kg	11/06/25 09:44	VY110625
67-66-3	Chloroform	20.6		1	0.84	5.00	ug/Kg	11/06/25 09:44	VY110625
71-55-6	1,1,1-Trichloroethane	20.4		1	0.93	5.00	ug/Kg	11/06/25 09:44	VY110625
108-87-2	Methylcyclohexane	19.7		1	0.91	5.00	ug/Kg	11/06/25 09:44	VY110625
563-58-6	1,1-Dichloropropene	20.4		1	0.87	5.00	ug/Kg	11/06/25 09:44	VY110625
71-43-2	Benzene	20.5		1	0.79	5.00	ug/Kg	11/06/25 09:44	VY110625
107-06-2	1,2-Dichloroethane	20.7		1	0.79	5.00	ug/Kg	11/06/25 09:44	VY110625
79-01-6	Trichloroethene	20.0		1	0.81	5.00	ug/Kg	11/06/25 09:44	VY110625
78-87-5	1,2-Dichloropropane	20.8		1	0.91	5.00	ug/Kg	11/06/25 09:44	VY110625
74-95-3	Dibromomethane	20.7		1	0.89	5.00	ug/Kg	11/06/25 09:44	VY110625
75-27-4	Bromodichloromethane	20.7		1	0.78	5.00	ug/Kg	11/06/25 09:44	VY110625
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	11/06/25 09:44	VY110625
80-62-6	Methyl methacrylate	20.5		1	0.74	5.00	ug/Kg	11/06/25 09:44	VY110625
108-88-3	Toluene	20.7		1	0.78	5.00	ug/Kg	11/06/25 09:44	VY110625
10061-02-6	t-1,3-Dichloropropene	20.4		1	0.65	5.00	ug/Kg	11/06/25 09:44	VY110625



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

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: VY1106SBS01

Lab Sample ID: VY1106SBS01

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
10061-01-5	cis-1,3-Dichloropropene	20.6		1	0.62	5.00	ug/Kg	11/06/25 09:44	VY110625
79-00-5	1,1,2-Trichloroethane	20.8		1	0.92	5.00	ug/Kg	11/06/25 09:44	VY110625
142-28-9	1,3-Dichloropropane	20.6		1	0.68	5.00	ug/Kg	11/06/25 09:44	VY110625
110-75-8	2-Chloroethyl Vinyl ether	98.7		1	3.80	25.0	ug/Kg	11/06/25 09:44	VY110625
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	11/06/25 09:44	VY110625
124-48-1	Dibromochloromethane	20.1		1	0.87	5.00	ug/Kg	11/06/25 09:44	VY110625
106-93-4	1,2-Dibromoethane	20.8		1	0.88	5.00	ug/Kg	11/06/25 09:44	VY110625
127-18-4	Tetrachloroethene	19.8		1	1.10	5.00	ug/Kg	11/06/25 09:44	VY110625
108-90-7	Chlorobenzene	19.9		1	0.91	5.00	ug/Kg	11/06/25 09:44	VY110625
630-20-6	1,1,1,2-Tetrachloroethane	19.8		1	0.77	5.00	ug/Kg	11/06/25 09:44	VY110625
67-72-1	Hexachloroethane	19.2		1	1.10	5.00	ug/Kg	11/06/25 09:44	VY110625
100-41-4	Ethyl Benzene	19.9		1	0.67	5.00	ug/Kg	11/06/25 09:44	VY110625
179601-23-1	m/p-Xylenes	40.1		1	1.20	10.0	ug/Kg	11/06/25 09:44	VY110625
1330-20-7	Total Xylenes	59.7		1	2.02	15.0	ug/Kg	11/06/25 09:44	VY110625
95-47-6	o-Xylene	19.6		1	0.82	5.00	ug/Kg	11/06/25 09:44	VY110625
100-42-5	Styrene	19.8		1	0.71	5.00	ug/Kg	11/06/25 09:44	VY110625
75-25-2	Bromoform	19.9		1	0.86	5.00	ug/Kg	11/06/25 09:44	VY110625
98-82-8	Isopropylbenzene	19.6		1	0.78	5.00	ug/Kg	11/06/25 09:44	VY110625
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1	1.20	5.00	ug/Kg	11/06/25 09:44	VY110625
96-18-4	1,2,3-Trichloropropane	20.5		1	1.20	5.00	ug/Kg	11/06/25 09:44	VY110625
108-86-1	Bromobenzene	19.3		1	1.20	5.00	ug/Kg	11/06/25 09:44	VY110625
103-65-1	n-propylbenzene	20.2		1	0.73	5.00	ug/Kg	11/06/25 09:44	VY110625
95-49-8	2-Chlorotoluene	19.9		1	0.68	5.00	ug/Kg	11/06/25 09:44	VY110625
108-67-8	1,3,5-Trimethylbenzene	20.2		1	0.82	5.00	ug/Kg	11/06/25 09:44	VY110625
106-43-4	4-Chlorotoluene	20.4		1	1.20	5.00	ug/Kg	11/06/25 09:44	VY110625
98-06-6	tert-Butylbenzene	19.5		1	0.67	5.00	ug/Kg	11/06/25 09:44	VY110625
95-63-6	1,2,4-Trimethylbenzene	20.1		1	0.64	5.00	ug/Kg	11/06/25 09:44	VY110625
135-98-8	sec-Butylbenzene	19.9		1	0.66	5.00	ug/Kg	11/06/25 09:44	VY110625
99-87-6	p-Isopropyltoluene	19.7		1	0.62	5.00	ug/Kg	11/06/25 09:44	VY110625
541-73-1	1,3-Dichlorobenzene	19.5		1	1.70	5.00	ug/Kg	11/06/25 09:44	VY110625
106-46-7	1,4-Dichlorobenzene	19.4		1	1.60	5.00	ug/Kg	11/06/25 09:44	VY110625
104-51-8	n-Butylbenzene	19.5		1	1.50	5.00	ug/Kg	11/06/25 09:44	VY110625
95-50-1	1,2-Dichlorobenzene	19.7		1	1.50	5.00	ug/Kg	11/06/25 09:44	VY110625
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		1	1.80	5.00	ug/Kg	11/06/25 09:44	VY110625
120-82-1	1,2,4-Trichlorobenzene	18.9		1	3.00	5.00	ug/Kg	11/06/25 09:44	VY110625
87-68-3	Hexachlorobutadiene	18.9		1	1.90	5.00	ug/Kg	11/06/25 09:44	VY110625
91-20-3	Naphthalene	19.2		1	2.60	5.00	ug/Kg	11/06/25 09:44	VY110625
87-61-6	1,2,3-Trichlorobenzene	19.6		1	3.20	5.00	ug/Kg	11/06/25 09:44	VY110625
628-63-7	N-amyl acetate	19.2		1	0.97	5.00	ug/Kg	11/06/25 09:44	VY110625
74-88-4	Methyl Iodide	18.1		1	0.91	5.00	ug/Kg	11/06/25 09:44	VY110625
107-05-1	Allyl chloride	20.8		1	0.78	5.00	ug/Kg	11/06/25 09:44	VY110625
110-57-6	trans-1,4-Dichloro-2-butene	19.1		1	1.10	5.00	ug/Kg	11/06/25 09:44	VY110625
126-98-7	Methacrylonitrile	16.8		1	1.80	5.00	ug/Kg	11/06/25 09:44	VY110625

Report of Analysis

Client: Alliance Technical Group, LLC - Newark	Date Collected:	
Project: NJ Soil PT	Date Received:	
Client Sample ID: VY1106SBS01	SDG No.:	Q3483
Lab Sample ID: VY1106SBS01	Matrix:	SOIL
Analytical Method: 8260D	% Solid:	100
Sample Wt/Vol: 5 g	Level: LOW	Test: VOCMS Group1
	Final Vol: 5000 uL	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
108-20-3	Diisopropyl ether	21.5		1	0.55	5.00	ug/Kg	11/06/25 09:44	VY110625
123-91-1	1,4-Dioxane	410		1	48.1	100	ug/Kg	11/06/25 09:44	VY110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.0			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 - 134	101%	SPK: 50		
2037-26-5	Toluene-d8	51.5			74 - 123	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.6			17 - 146	103%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.5			70 - 134	101%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	547000							
540-36-3	1,4-Difluorobenzene	822000							
3114-55-4	Chlorobenzene-d5	728000							
3855-82-1	1,4-Dichlorobenzene-d4	371000							

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\VY110625\
 Data File : VY023694.D
 Acq On : 06 Nov 2025 09:44
 Operator : SY/MD
 Sample : VY1106SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:12:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	546965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	822052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	728273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	370507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	242468	51.968	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.940%			
35) Dibromofluoromethane	7.634	113	259210	50.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.920%			
50) Toluene-d8	10.109	98	985886	51.518	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.040%			
62) 4-Bromofluorobenzene	12.408	95	319171	51.574	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78967	21.994	ug/l	99
3) Chloromethane	2.074	50	107661	21.428	ug/l	97
4) Vinyl Chloride	2.208	62	134392	20.556	ug/l	97
5) Bromomethane	2.592	94	117581	21.380	ug/l	95
6) Chloroethane	2.739	64	91753	20.305	ug/l	98
7) Trichlorofluoromethane	3.062	101	189562	20.587	ug/l	99
8) Diethyl Ether	3.452	74	50370	20.399	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	104966	20.691	ug/l	99
10) Methyl Iodide	4.007	142	108530	18.117	ug/l	99
11) Tert butyl alcohol	4.866	59	38479	127.903	ug/l	99
12) 1,1-Dichloroethene	3.793	96	99690	20.399	ug/l	99
13) Acrolein	3.653	56	41937	108.454	ug/l	100
14) Allyl chloride	4.385	41	123982	20.843	ug/l	99
15) Acrylonitrile	5.061	53	101471	107.532	ug/l	100
16) Acetone	3.867	43	134180	115.698	ug/l	95
17) Carbon Disulfide	4.110	76	315546	21.038	ug/l	98
18) Methyl Acetate	4.385	43	54558	21.328	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	231620	20.440	ug/l	100
20) Methylene Chloride	4.616	84	123256	22.015	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	115227	20.912	ug/l	98
22) Diisopropyl ether	6.019	45	284548	21.468	ug/l	95
23) Vinyl Acetate	5.964	43	754551	106.680	ug/l	98
24) 1,1-Dichloroethane	5.915	63	184976	20.949	ug/l	99
25) 2-Butanone	6.896	43	153816	114.713	ug/l	98
26) 2,2-Dichloropropane	6.890	77	170334	20.971	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	127356	20.238	ug/l	97
28) Bromochloromethane	7.250	49	72254	21.371	ug/l	96
29) Tetrahydrofuran	7.262	42	75848	106.214	ug/l	98
30) Chloroform	7.421	83	203045	20.610	ug/l	100
31) Cyclohexane	7.707	56	160093	20.819	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	179418	20.376	ug/l	99
36) 1,1-Dichloropropene	7.835	75	140152	20.416	ug/l	98
37) Ethyl Acetate	6.988	43	56444	21.240	ug/l	100
38) Carbon Tetrachloride	7.817	117	165543	20.467	ug/l	98
39) Methylcyclohexane	9.109	83	172882	19.710	ug/l	94
40) Benzene	8.079	78	444410	20.538	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023694.D
 Acq On : 06 Nov 2025 09:44
 Operator : SY/MD
 Sample : VY1106SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:12:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	24395	16.817	ug/l #	70
42) 1,2-Dichloroethane	8.158	62	113361	20.708	ug/l	100
43) Isopropyl Acetate	8.201	43	102806	20.589	ug/l	99
44) Trichloroethene	8.866	130	124443	20.023	ug/l	99
45) 1,2-Dichloropropane	9.140	63	99224	20.778	ug/l	98
46) Dibromomethane	9.231	93	61277	20.709	ug/l	96
47) Bromodichloromethane	9.420	83	154311	20.684	ug/l	97
48) Methyl methacrylate	9.219	41	48437	20.532	ug/l	99
49) 1,4-Dioxane	9.225	88	12521	413.484	ug/l #	96
51) 4-Methyl-2-Pentanone	10.000	43	281999	106.199	ug/l	98
52) Toluene	10.170	92	286343	20.728	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	128491	20.355	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	155449	20.554	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	82212	20.790	ug/l	97
56) Ethyl methacrylate	10.438	69	84068	19.296	ug/l	98
57) 1,3-Dichloropropane	10.719	76	129138	20.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	197363	98.718	ug/l	97
59) 2-Hexanone	10.762	43	210576	108.695	ug/l	99
60) Dibromochloromethane	10.914	129	109268	20.111	ug/l	100
61) 1,2-Dibromoethane	11.018	107	77104	20.777	ug/l	98
64) Tetrachloroethene	10.646	164	150279	19.825	ug/l	97
65) Chlorobenzene	11.444	112	315324	19.889	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	110820	19.767	ug/l	99
67) Ethyl Benzene	11.518	91	510207	19.883	ug/l	95
68) m/p-Xylenes	11.627	106	411539	40.142	ug/l	99
69) o-Xylene	11.957	106	185778	19.603	ug/l	97
70) Styrene	11.969	104	309544	19.796	ug/l	100
71) Bromoform	12.133	173	65110	19.885	ug/l #	99
73) Isopropylbenzene	12.255	105	486116	19.617	ug/l	100
74) N-amyl acetate	12.072	43	80659	19.225	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	80993	20.465	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61459m	20.496	ug/l	
77) Bromobenzene	12.536	156	124256	19.331	ug/l	95
78) n-propylbenzene	12.597	91	587824	20.167	ug/l	98
79) 2-Chlorotoluene	12.676	91	336096	19.871	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	406541	20.192	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25406	19.148	ug/l	94
82) 4-Chlorotoluene	12.780	91	356437	20.434	ug/l	98
83) tert-Butylbenzene	12.999	119	357699	19.507	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	400981	20.108	ug/l	100
85) sec-Butylbenzene	13.176	105	527410	19.941	ug/l	100
86) p-Isopropyltoluene	13.292	119	441370	19.713	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	246260	19.465	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	241645	19.444	ug/l	98
89) n-Butylbenzene	13.615	91	380306	19.533	ug/l	99
90) Hexachloroethane	13.877	117	92548	19.234	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	214611	19.684	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12163	19.960	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	117937	18.912	ug/l	99
94) Hexachlorobutadiene	15.023	225	77357	18.932	ug/l	98
95) Naphthalene	15.145	128	170346	19.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	101868	19.551	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023694.D
Acq On : 06 Nov 2025 09:44
Operator : SY/MD
Sample : VY1106SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:12:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

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

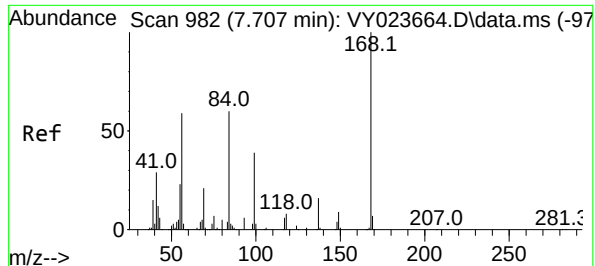
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Manual Integrations

Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025





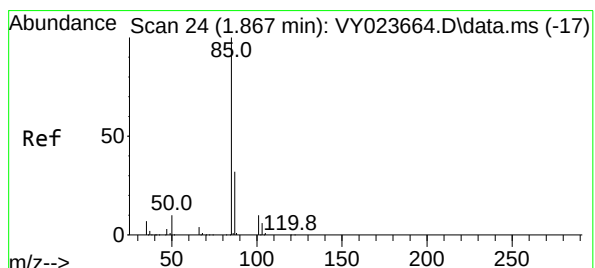
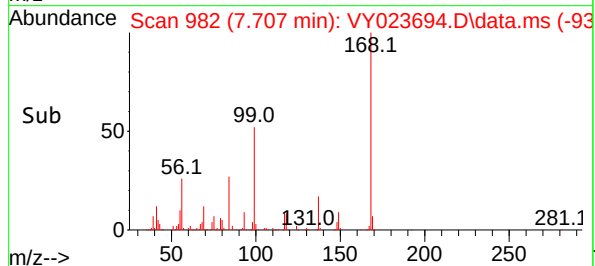
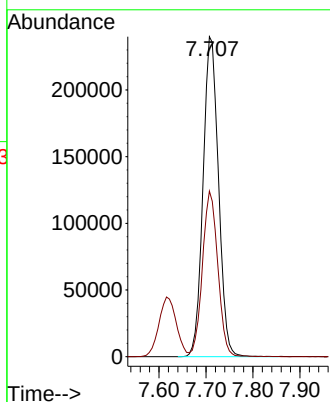
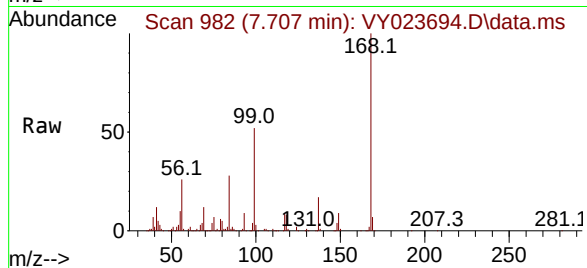
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion:168 Resp: 54696
Ion Ratio Lower Upper
168 100
99 51.7 41.0 61.4

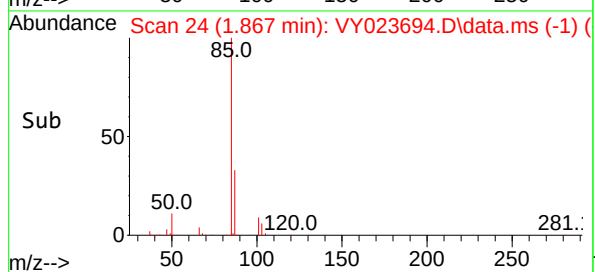
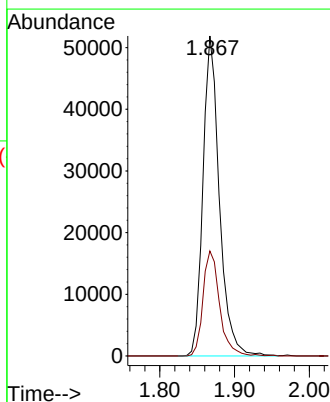
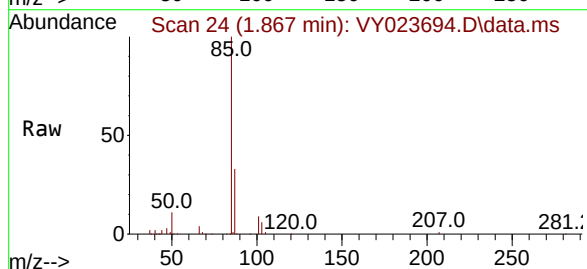
Manual Integrations
APPROVED

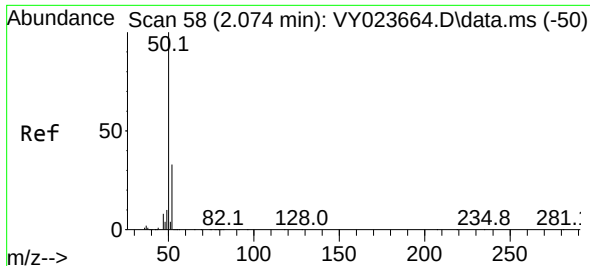
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#2
Dichlorodifluoromethane
Concen: 21.994 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

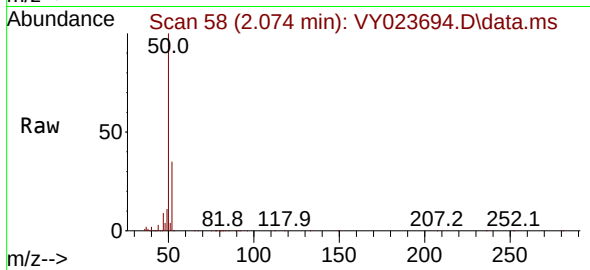
Tgt Ion: 85 Resp: 78967
Ion Ratio Lower Upper
85 100
87 32.8 16.2 48.6





#3
Chloromethane
Concen: 21.428 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

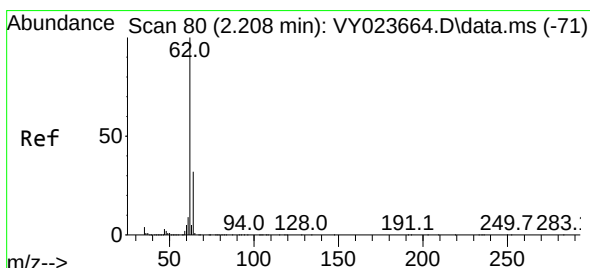
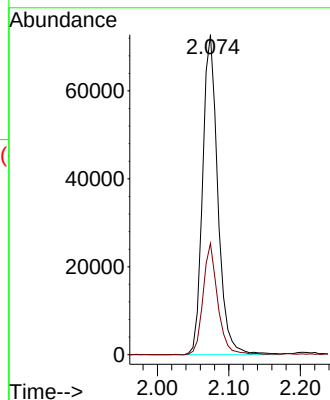
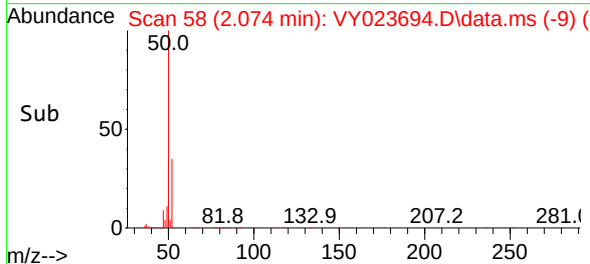
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



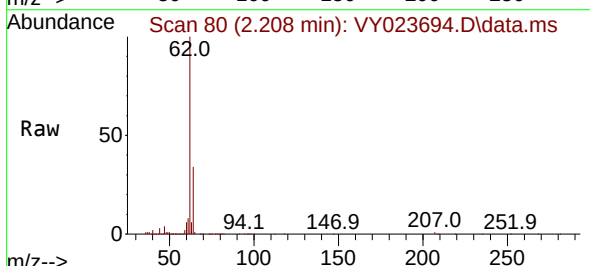
Tgt Ion: 50 Resp: 10766
Ion Ratio Lower Upper
50 100
52 34.8 26.5 39.7

Manual Integrations
APPROVED

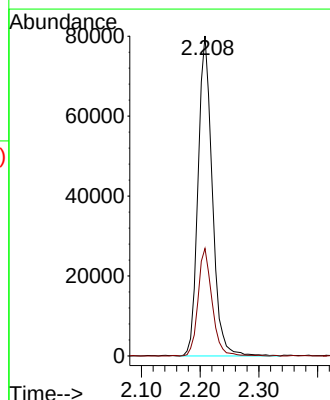
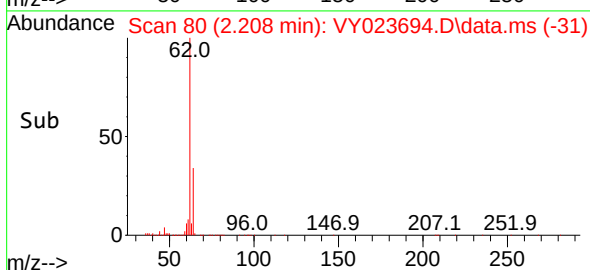
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

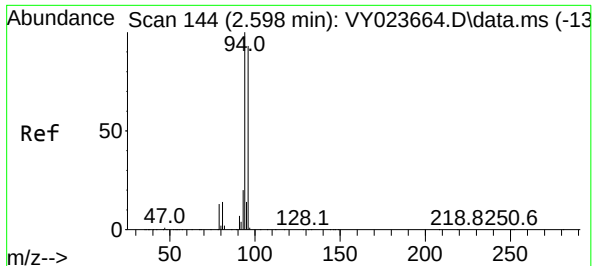


#4
Vinyl Chloride
Concen: 20.556 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44



Tgt Ion: 62 Resp: 134392
Ion Ratio Lower Upper
62 100
64 33.6 25.7 38.5





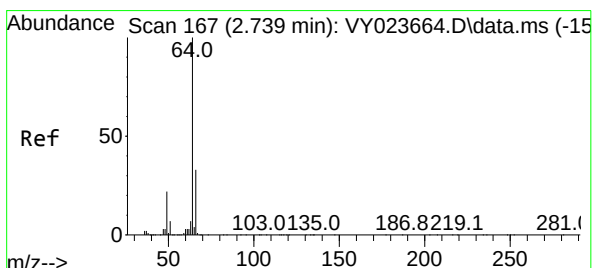
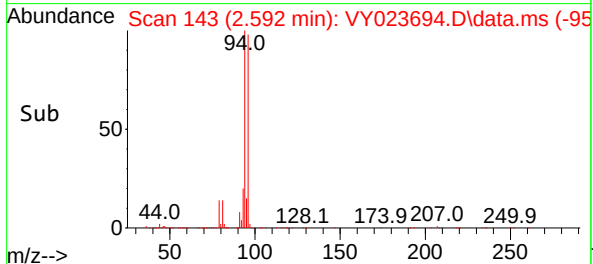
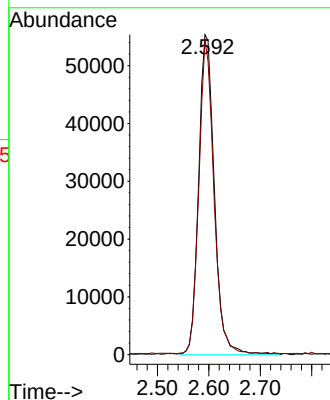
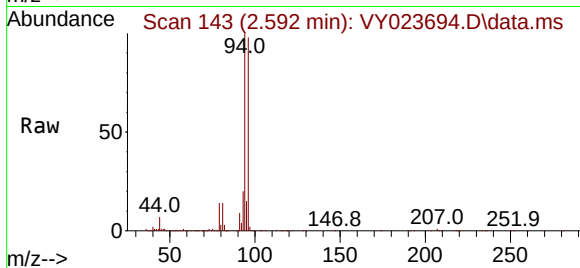
#5
Bromomethane
Concen: 21.380 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion: 94 Resp: 11758
Ion Ratio Lower Upper
94 100
96 97.7 74.4 111.6

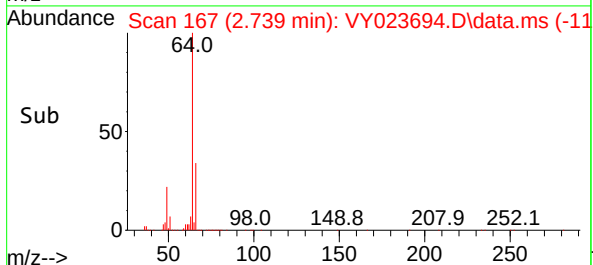
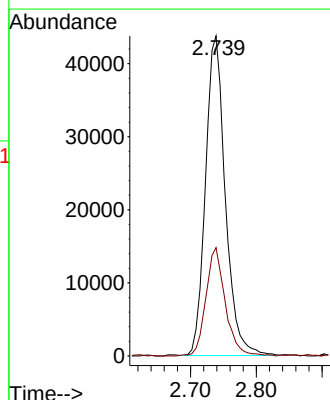
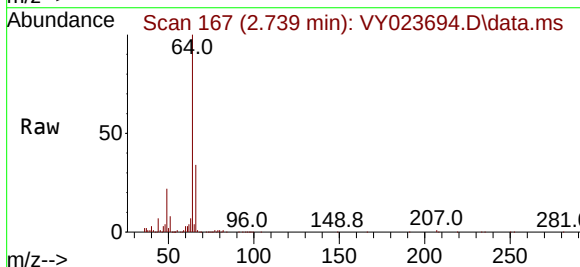
Manual Integrations
APPROVED

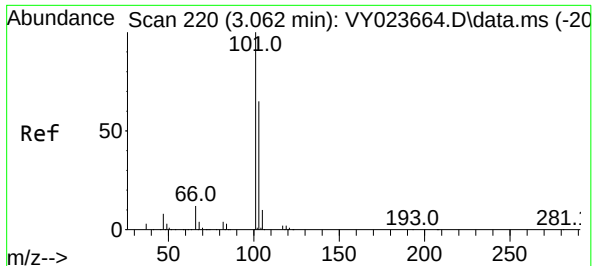
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#6
Chloroethane
Concen: 20.305 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Tgt Ion: 64 Resp: 91753
Ion Ratio Lower Upper
64 100
66 33.7 26.2 39.4





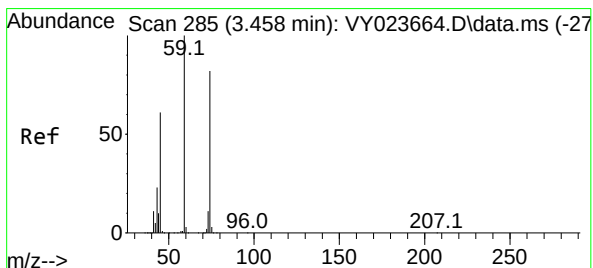
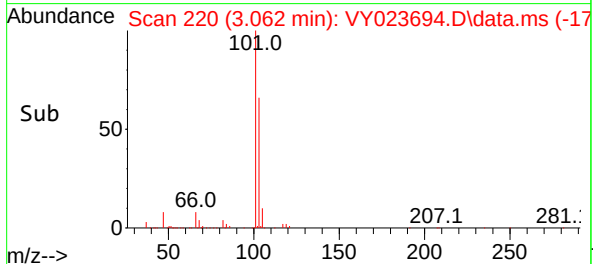
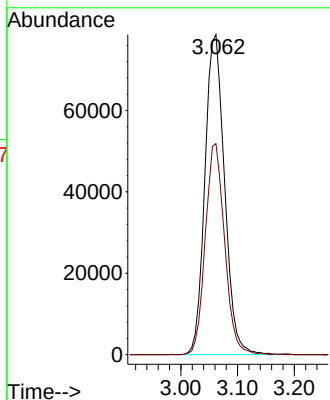
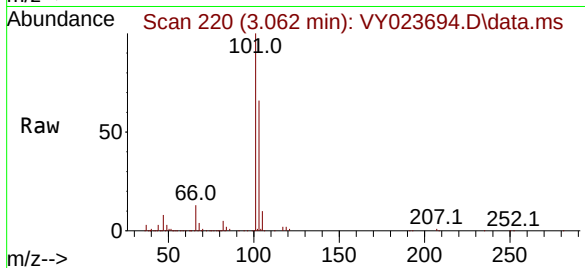
#7
Trichlorofluoromethane
Concen: 20.587 ug/l
RT: 3.062 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion:101 Resp: 18956
Ion Ratio Lower Upper
101 100
103 65.9 52.1 78.1

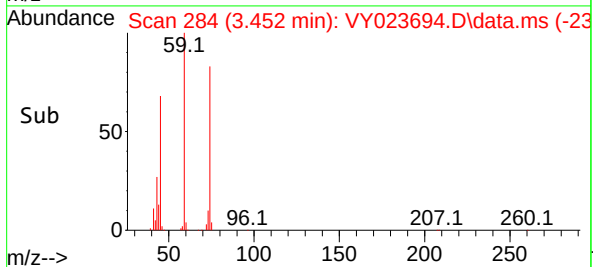
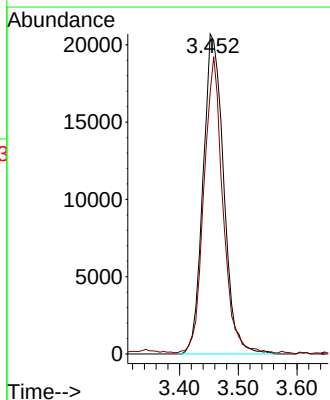
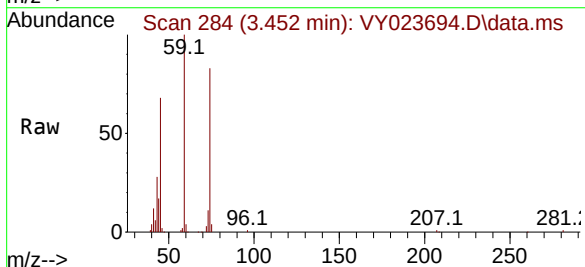
Manual Integrations
APPROVED

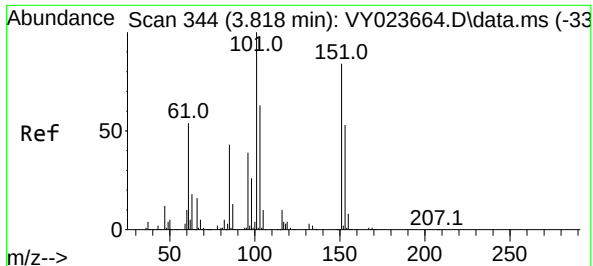
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#8
Diethyl Ether
Concen: 20.399 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Tgt Ion: 74 Resp: 50370
Ion Ratio Lower Upper
74 100
45 84.9 40.6 121.7





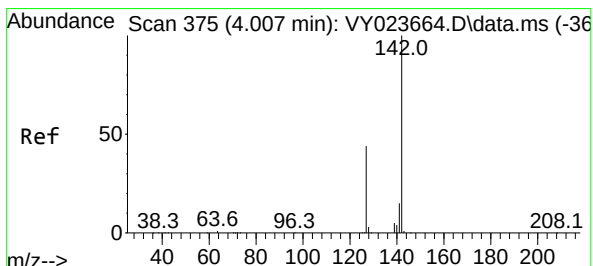
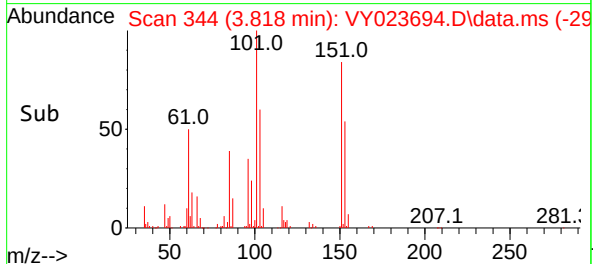
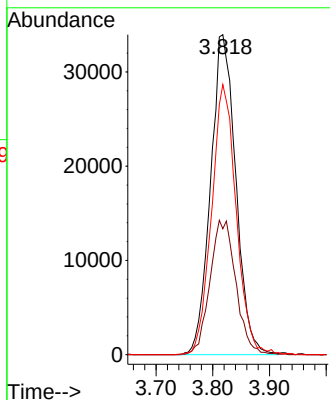
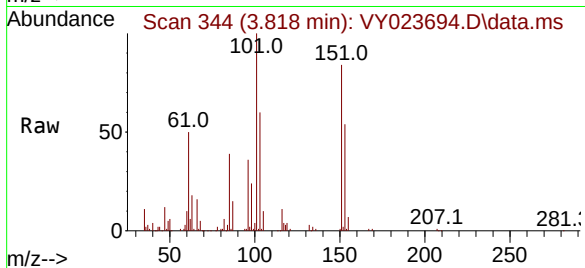
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.691 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion:101 Resp: 104960
Ion Ratio Lower Upper
101 100
85 43.2 34.4 51.6
151 82.6 65.6 98.4

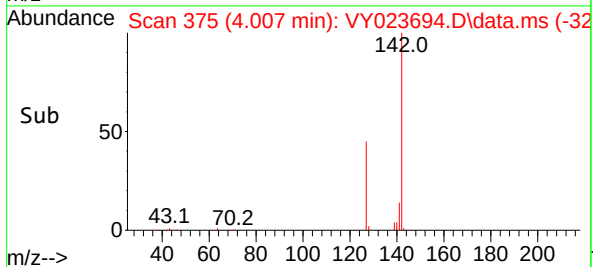
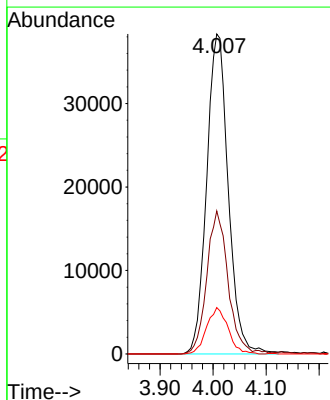
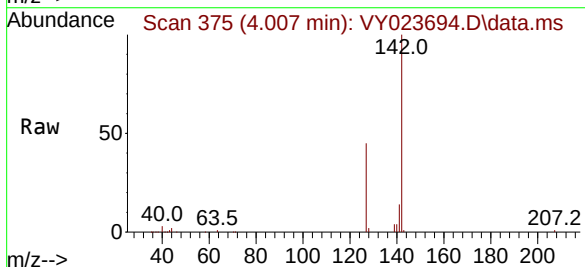
Manual Integrations
APPROVED

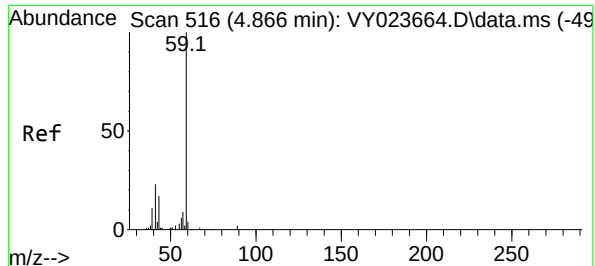
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#10
Methyl Iodide
Concen: 18.117 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Tgt Ion:142 Resp: 108530
Ion Ratio Lower Upper
142 100
127 44.3 34.6 51.8
141 14.4 11.6 17.4





#11

Tert butyl alcohol

Concen: 127.903 ug/l

RT: 4.866 min Scan# 516

Delta R.T. 0.000 min

Lab File: VY023694.D

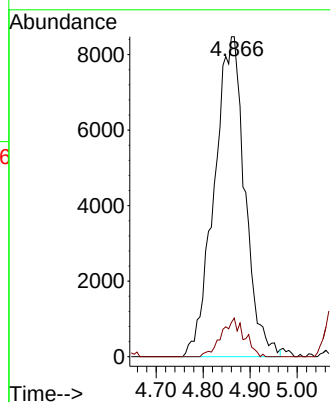
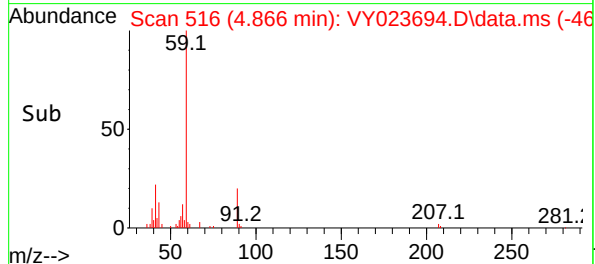
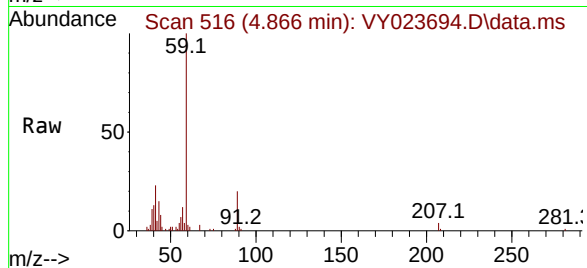
Acq: 06 Nov 2025 09:44

Tgt Ion: 59 Resp: 38479

Ion Ratio Lower Upper

59 100

57 9.0 7.4 11.2



Instrument :

MSVOA_Y

ClientSampleId :

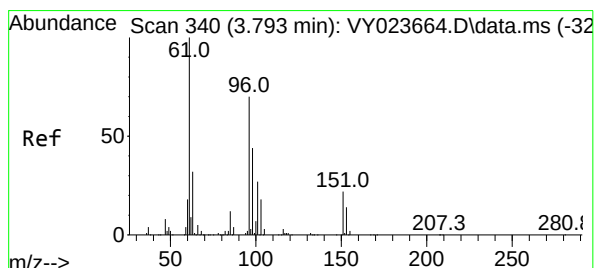
VY1106SBS01

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#12

1,1-Dichloroethene

Concen: 20.399 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

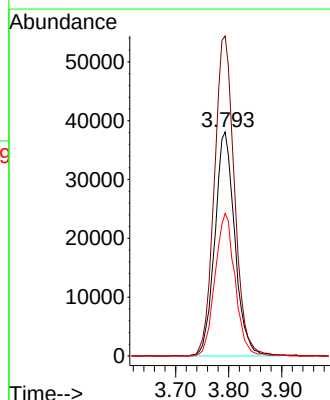
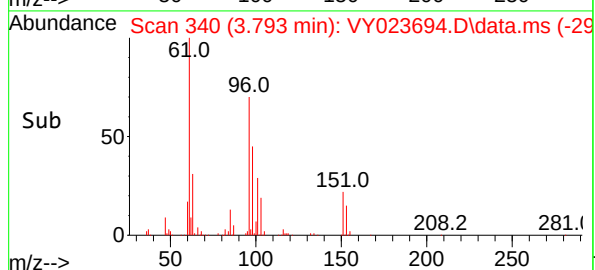
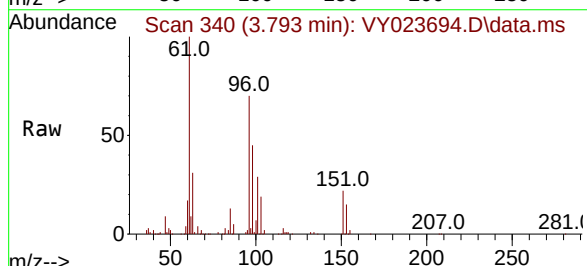
Tgt Ion: 96 Resp: 99690

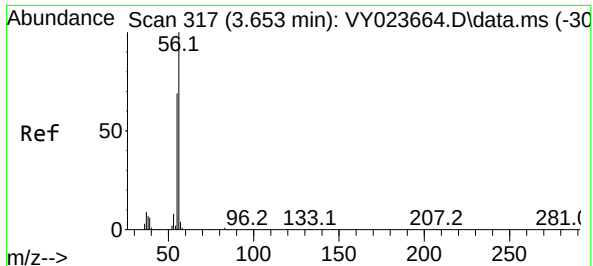
Ion Ratio Lower Upper

96 100

61 142.8 114.0 171.0

98 63.6 50.2 75.2





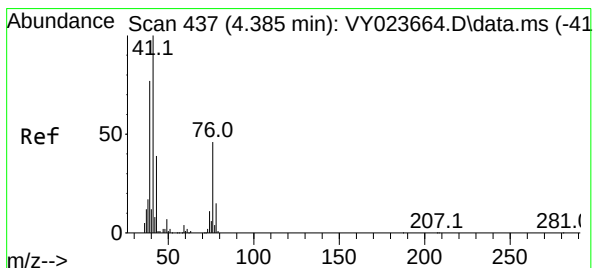
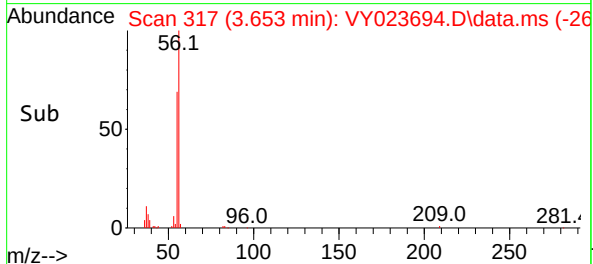
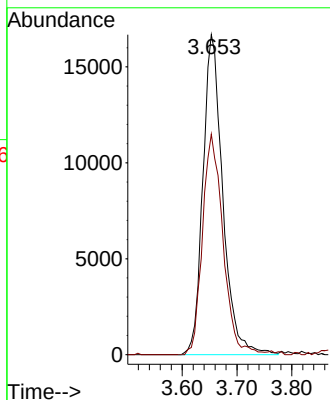
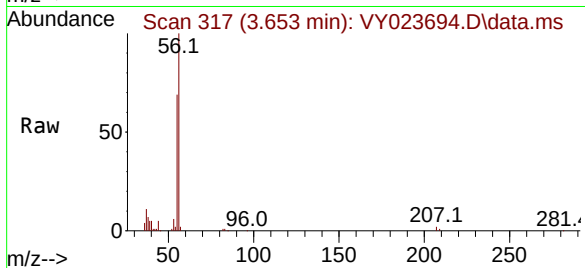
#13
Acrolein
Concen: 108.454 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion: 56 Resp: 4193
Ion Ratio Lower Upper
56 100
55 70.9 56.6 84.8

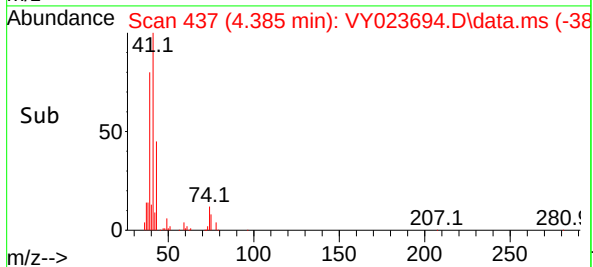
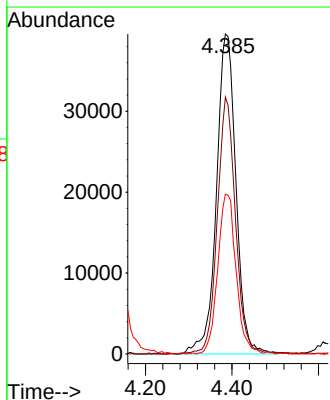
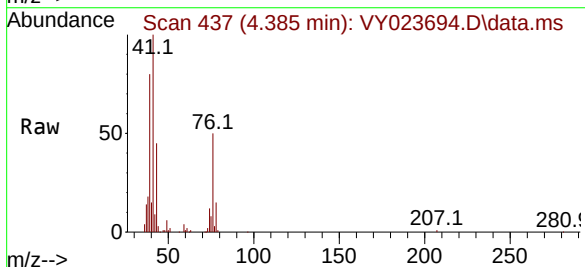
Manual Integrations
APPROVED

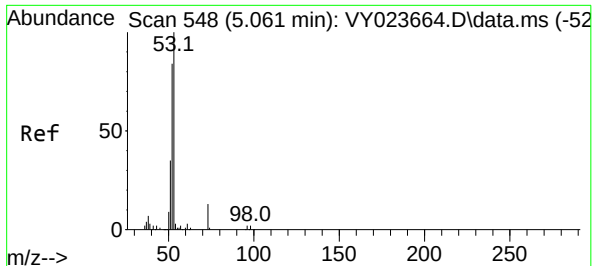
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#14
Allyl chloride
Concen: 20.843 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Tgt Ion: 41 Resp: 123982
Ion Ratio Lower Upper
41 100
39 75.0 60.4 90.6
76 46.9 38.0 57.0





#15

Acrylonitrile

Concen: 107.532 ug/l

RT: 5.061 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 53 Resp: 10147

Ion Ratio Lower Upper

53 100

52 81.0 64.9 97.3

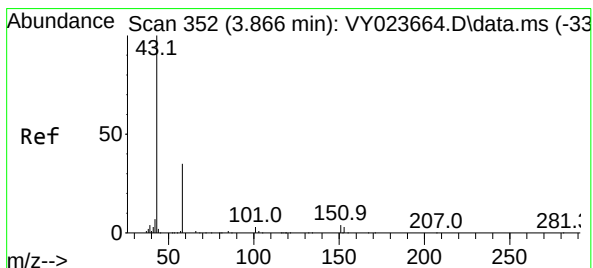
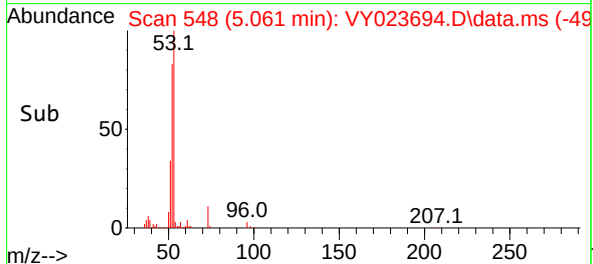
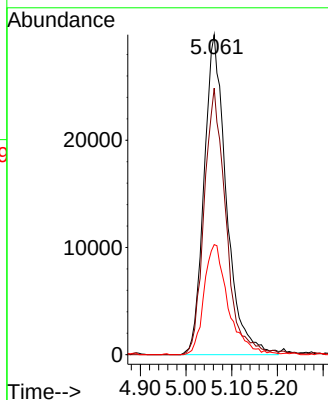
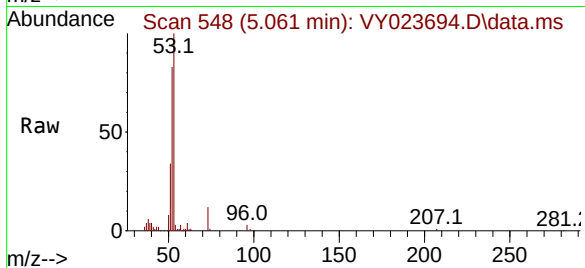
51 37.2 29.4 44.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#16

Acetone

Concen: 115.698 ug/l

RT: 3.867 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY023694.D

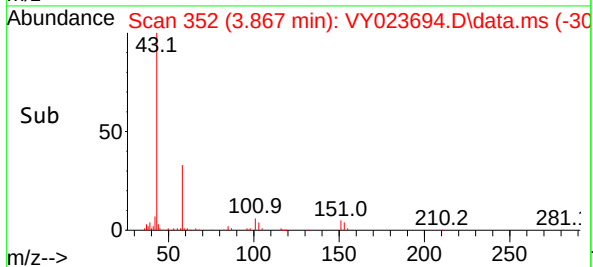
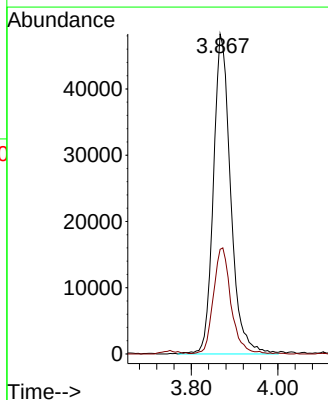
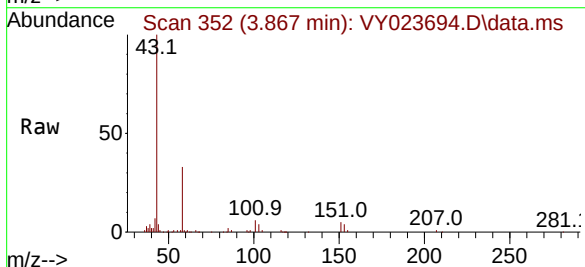
Acq: 06 Nov 2025 09:44

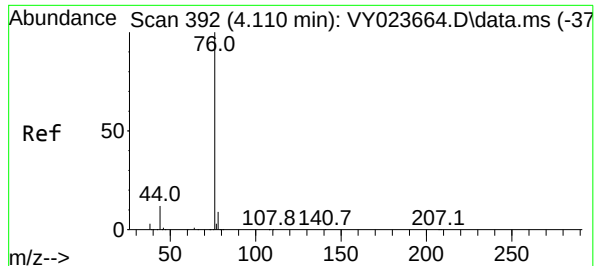
Tgt Ion: 43 Resp: 134180

Ion Ratio Lower Upper

43 100

58 32.4 28.2 42.4





#17

Carbon Disulfide

Concen: 21.038 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 76 Resp: 31554

Ion Ratio Lower Upper

76 100

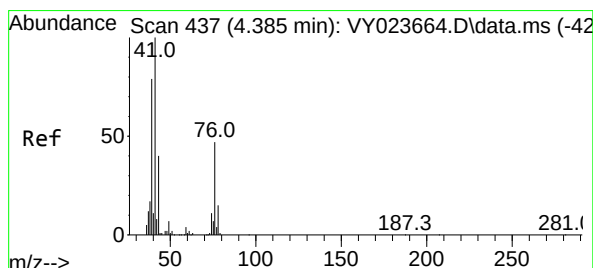
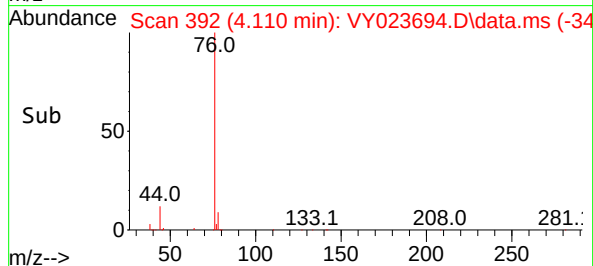
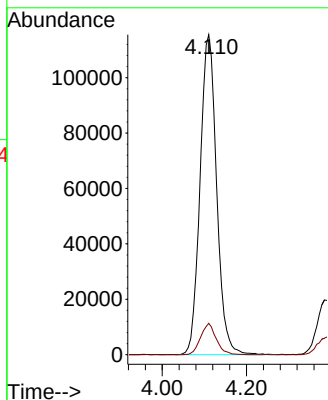
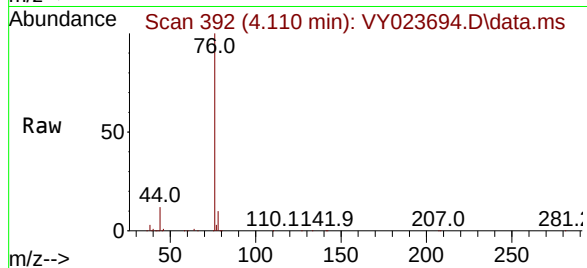
78 9.8 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#18

Methyl Acetate

Concen: 21.328 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023694.D

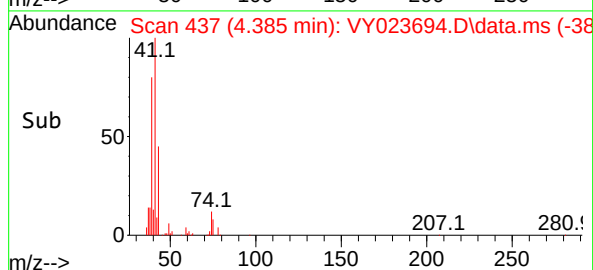
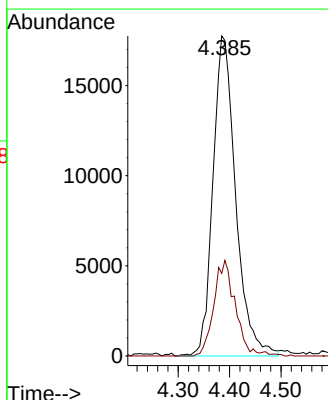
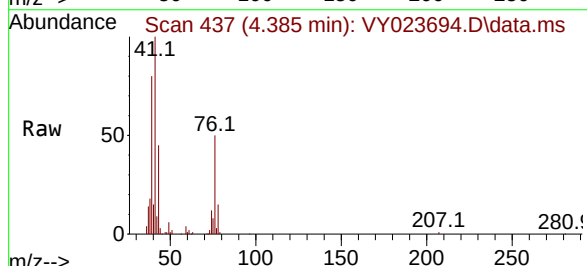
Acq: 06 Nov 2025 09:44

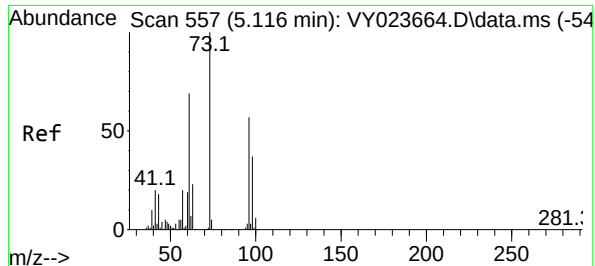
Tgt Ion: 43 Resp: 54558

Ion Ratio Lower Upper

43 100

74 27.7 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 20.440 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 73 Resp: 231620

Ion Ratio Lower Upper

73 100

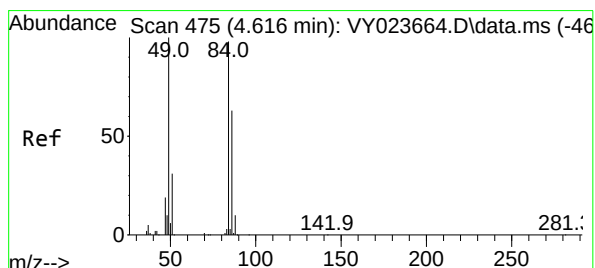
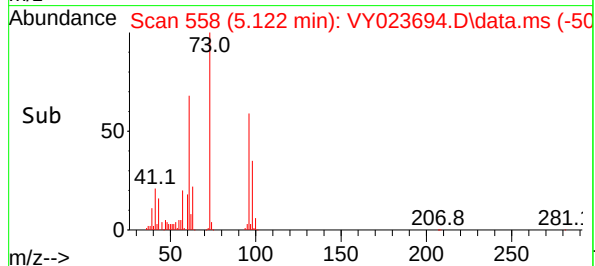
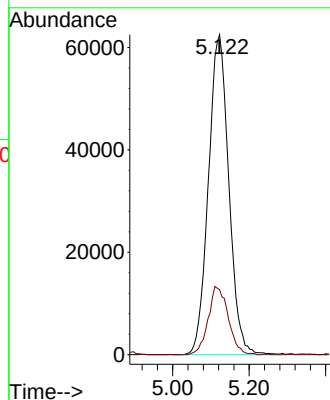
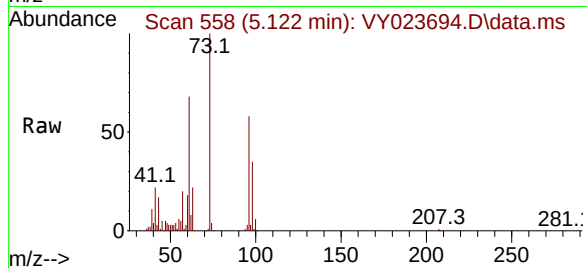
57 20.3 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#20

Methylene Chloride

Concen: 22.015 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Tgt Ion: 84 Resp: 123256

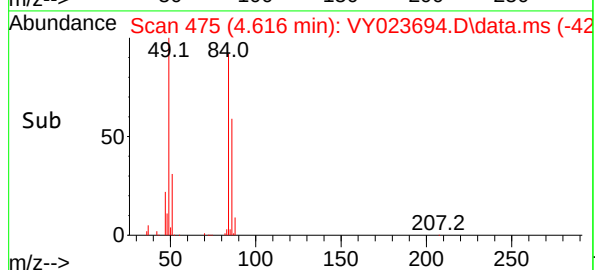
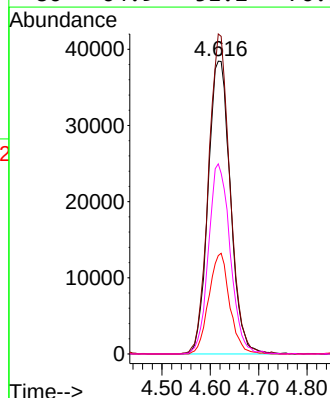
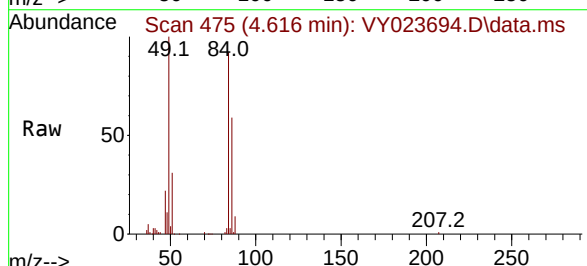
Ion Ratio Lower Upper

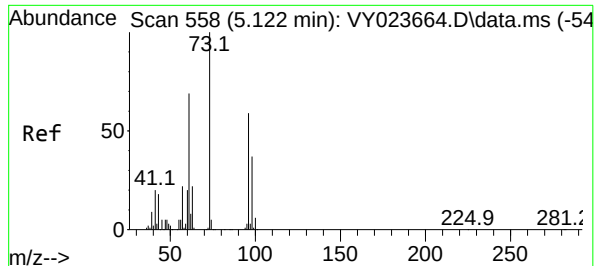
84 100

49 109.3 81.5 122.3

51 33.6 25.5 38.3

86 64.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.912 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 96 Resp: 11522

Ion Ratio Lower Upper

96 100

61 116.7 93.3 139.9

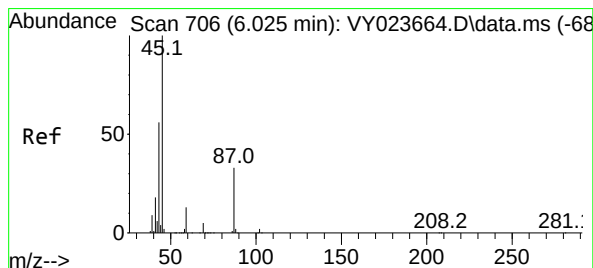
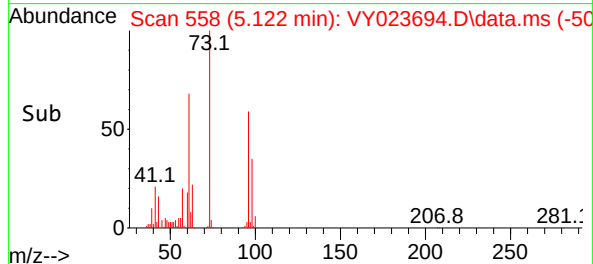
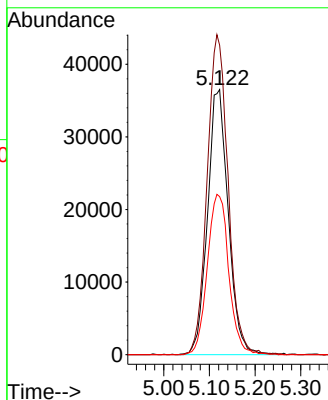
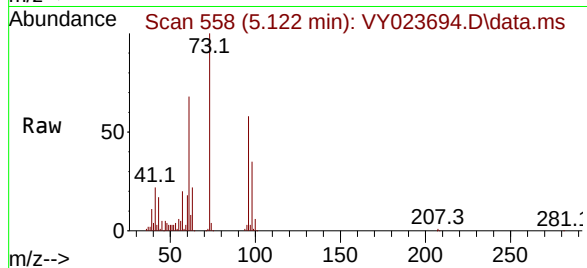
98 59.6 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#22

Diisopropyl ether

Concen: 21.468 ug/l

RT: 6.019 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Tgt Ion: 45 Resp: 284548

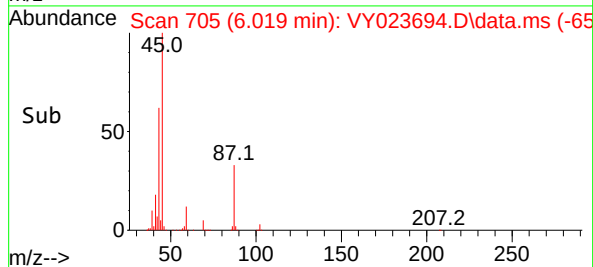
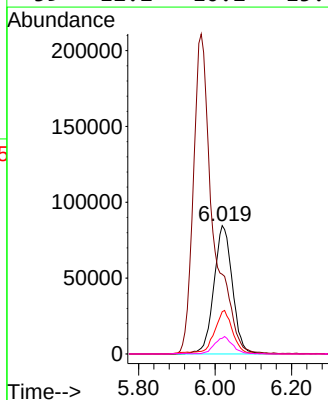
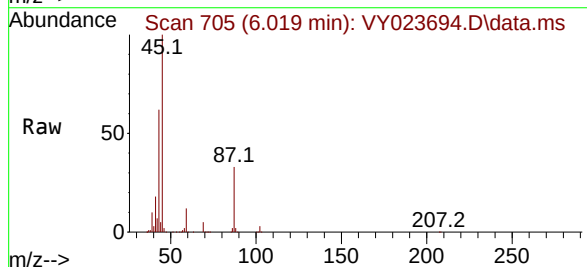
Ion Ratio Lower Upper

45 100

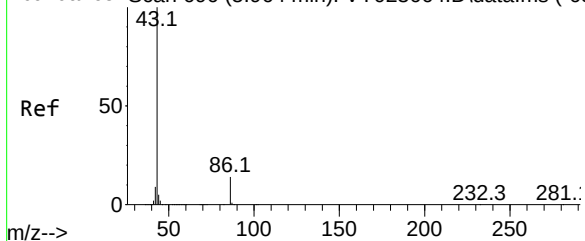
43 61.8 44.7 67.1

87 32.8 27.2 40.8

59 12.2 10.2 15.4



Abundance Scan 696 (5.964 min): VY023664.D\data.ms (-68



#23

Vinyl Acetate

Concen: 106.680 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 43 Resp: 75455

Ion Ratio Lower Upper

43 100

86 12.8 10.9 16.3

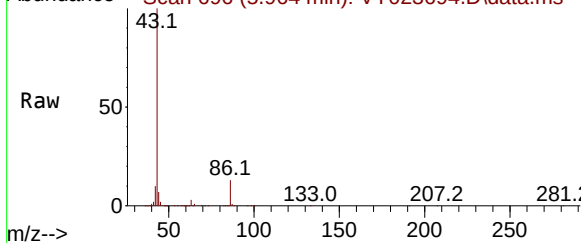
Manual Integrations

APPROVED

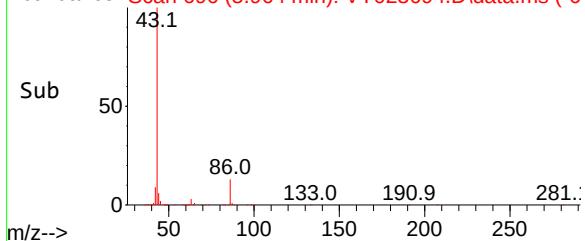
Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025

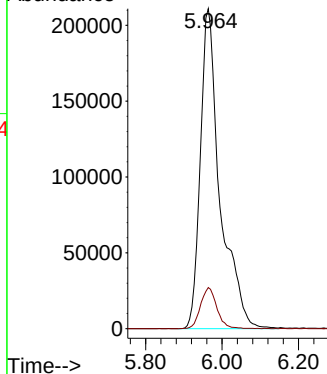
Abundance Scan 696 (5.964 min): VY023694.D\data.ms



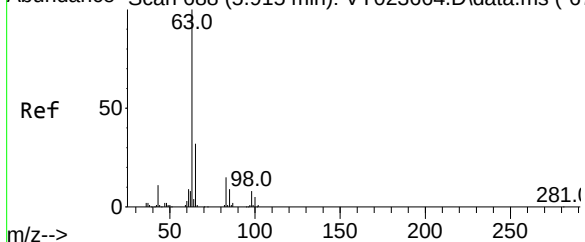
Abundance Scan 696 (5.964 min): VY023694.D\data.ms (-64



Abundance



Abundance Scan 688 (5.915 min): VY023664.D\data.ms (-67



#24

1,1-Dichloroethane

Concen: 20.949 ug/l

RT: 5.915 min Scan# 688

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Tgt Ion: 63 Resp: 184976

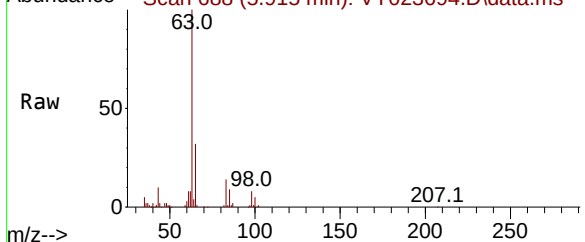
Ion Ratio Lower Upper

63 100

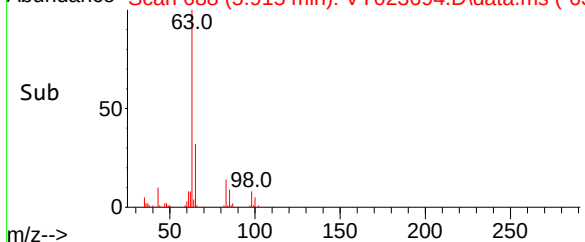
98 7.9 4.0 11.9

100 4.7 2.6 7.8

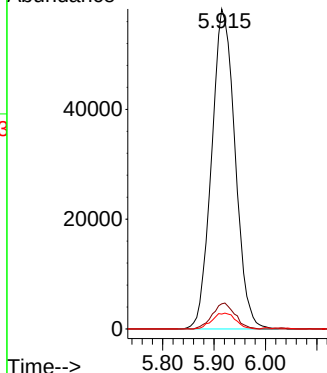
Abundance Scan 688 (5.915 min): VY023694.D\data.ms

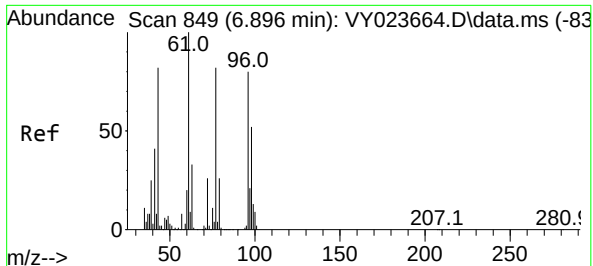


Abundance Scan 688 (5.915 min): VY023694.D\data.ms (-63



Abundance





#25

2-Butanone

Concen: 114.713 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 43 Resp: 153810

Ion Ratio Lower Upper

43 100

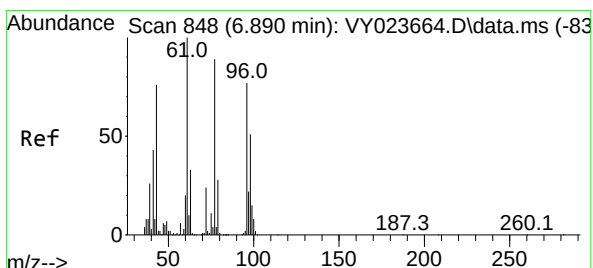
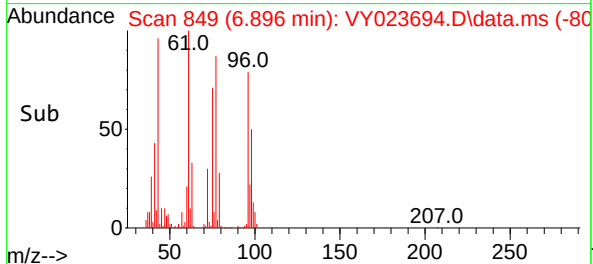
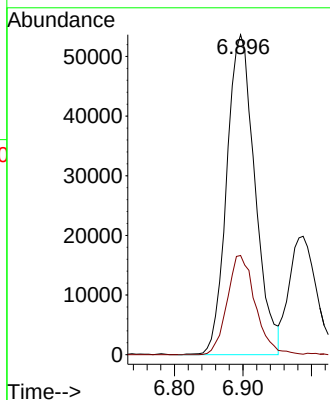
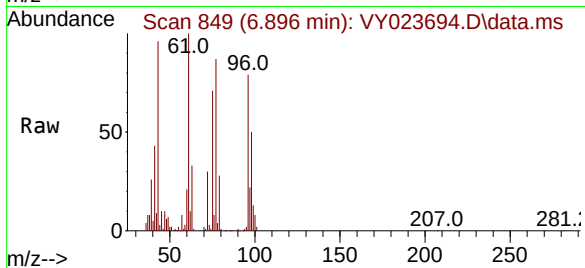
72 31.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#26

2,2-Dichloropropane

Concen: 20.971 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023694.D

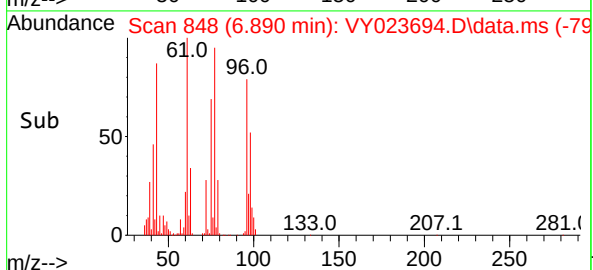
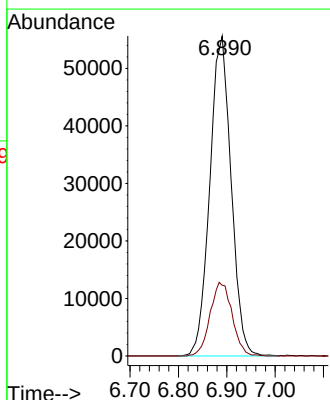
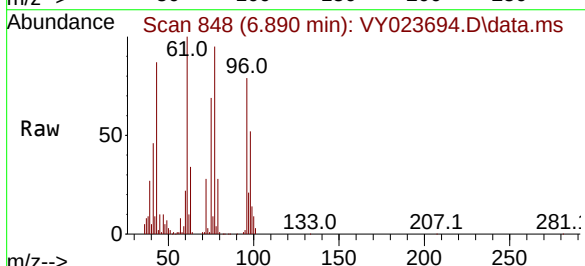
Acq: 06 Nov 2025 09:44

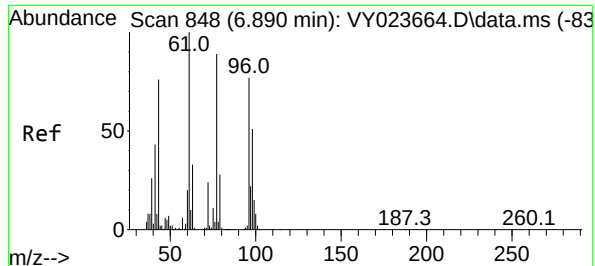
Tgt Ion: 77 Resp: 170334

Ion Ratio Lower Upper

77 100

97 23.7 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 20.238 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 96 Resp: 127350

Ion Ratio Lower Upper

96 100

61 132.3 0.0 255.0

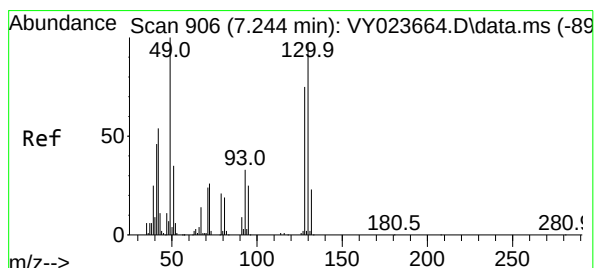
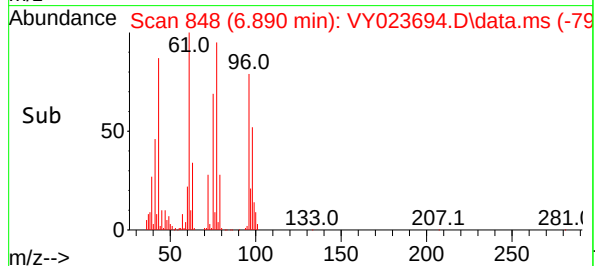
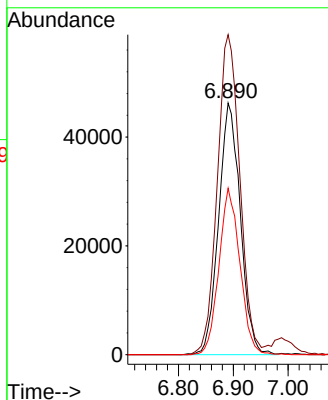
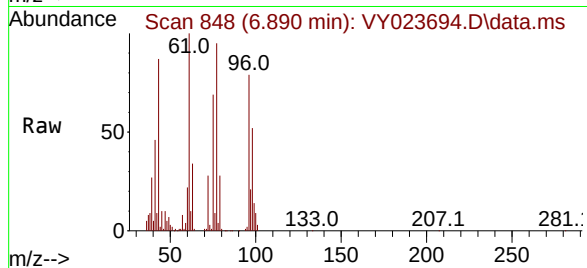
98 63.9 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#28

Bromochloromethane

Concen: 21.371 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

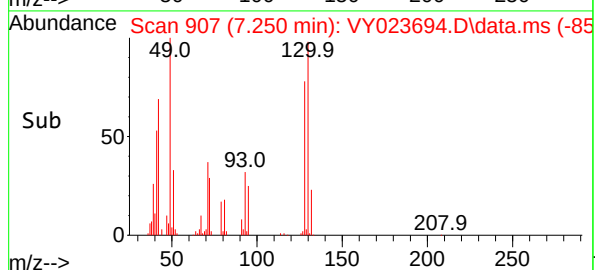
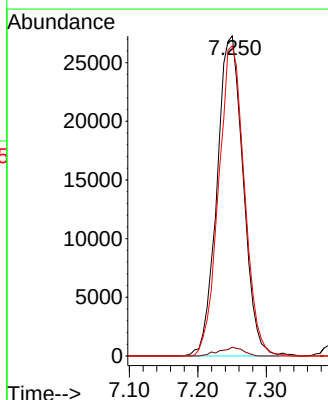
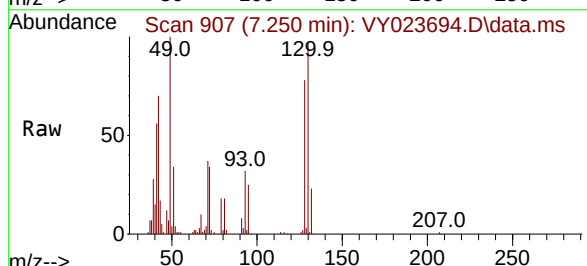
Tgt Ion: 49 Resp: 72254

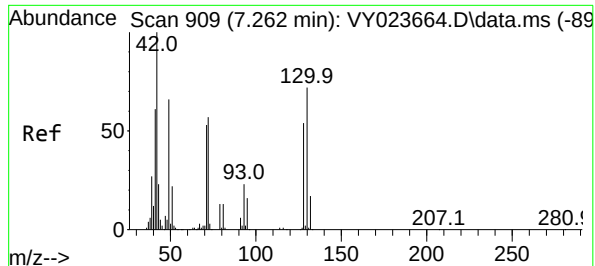
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 95.6 80.1 120.1





#29

Tetrahydrofuran

Concen: 106.214 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 42 Resp: 7584

Ion Ratio Lower Upper

42 100

72 52.4 43.4 65.2

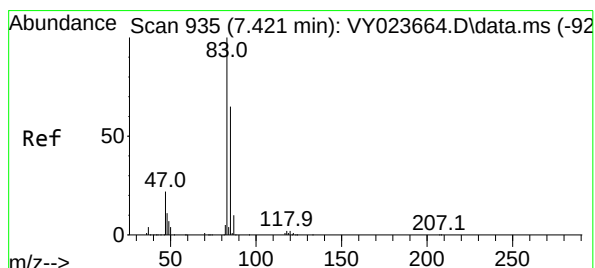
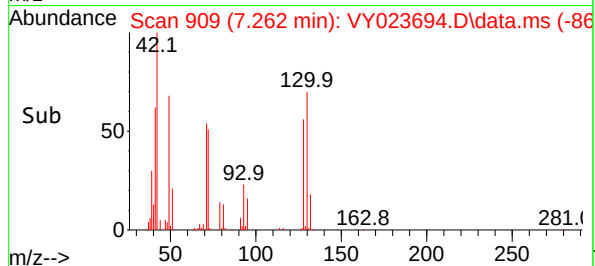
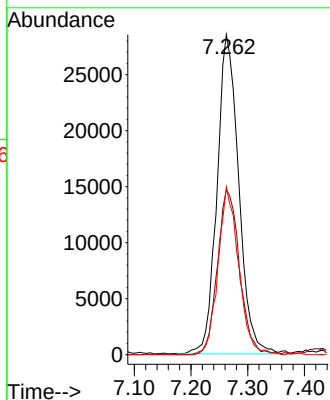
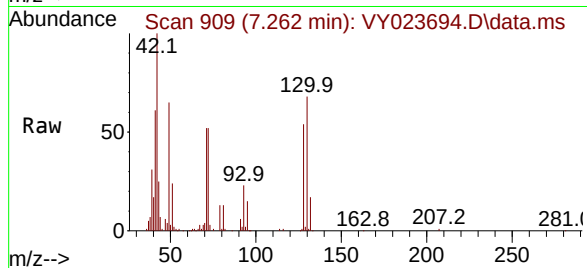
71 50.0 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#30

Chloroform

Concen: 20.610 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023694.D

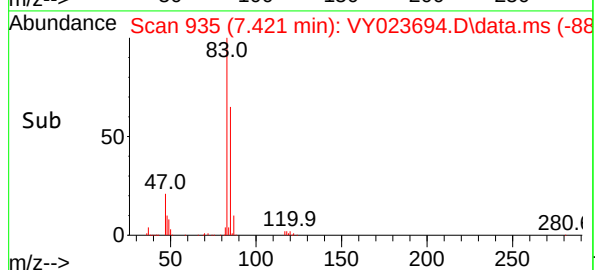
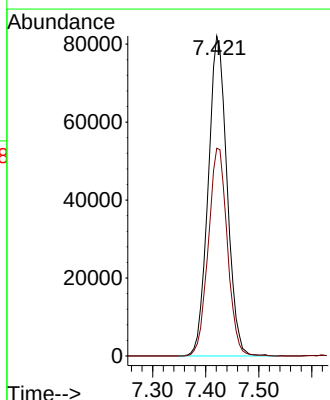
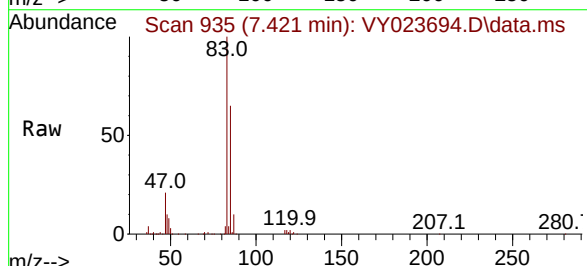
Acq: 06 Nov 2025 09:44

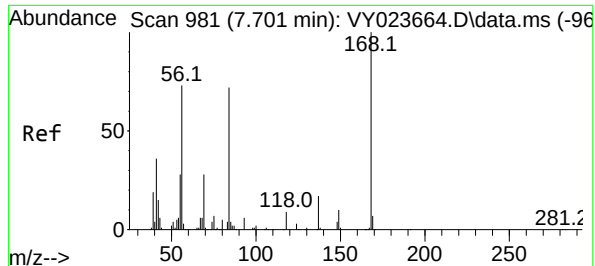
Tgt Ion: 83 Resp: 203045

Ion Ratio Lower Upper

83 100

85 64.9 52.1 78.1





#31

Cyclohexane

Concen: 20.819 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 56 Resp: 16009

Ion Ratio Lower Upper

56 100

69 43.8 30.5 45.7

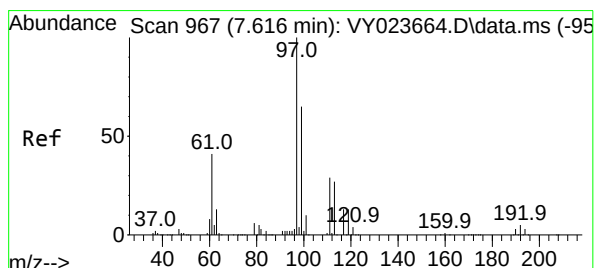
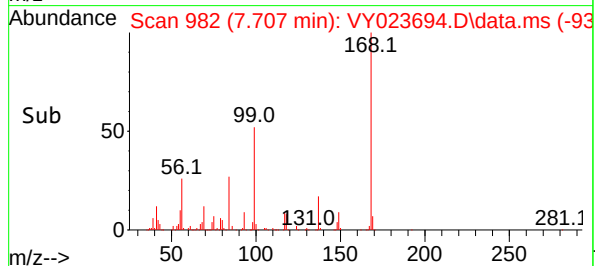
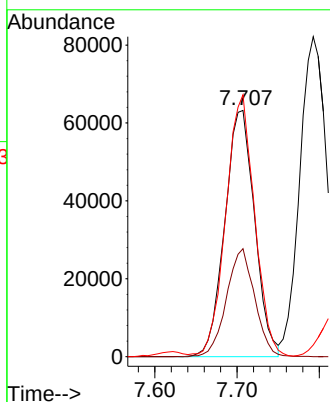
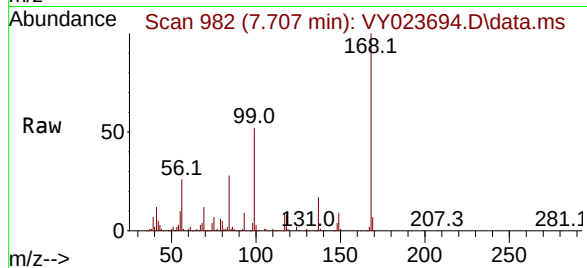
84 104.6 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#32

1,1,1-Trichloroethane

Concen: 20.376 ug/l

RT: 7.616 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

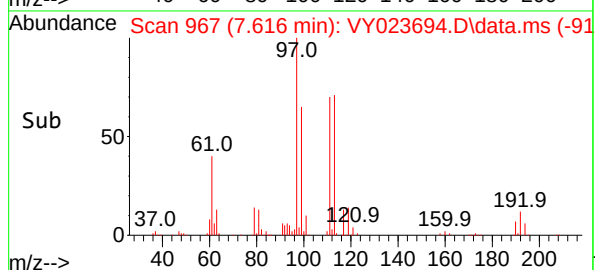
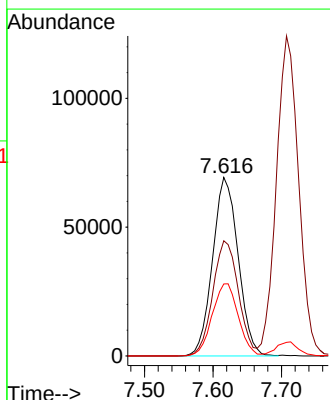
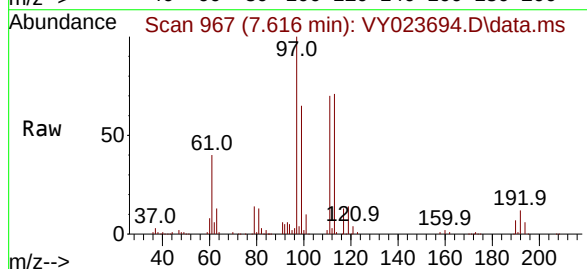
Tgt Ion: 97 Resp: 179418

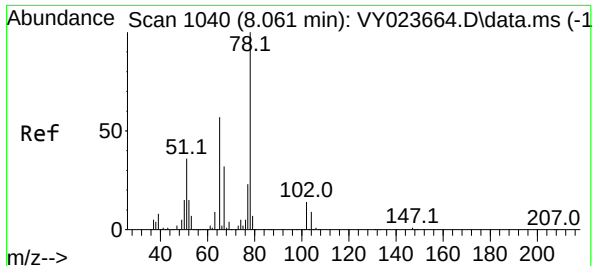
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 41.3 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 51.968 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 65 Resp: 242468

Ion Ratio Lower Upper

65 100

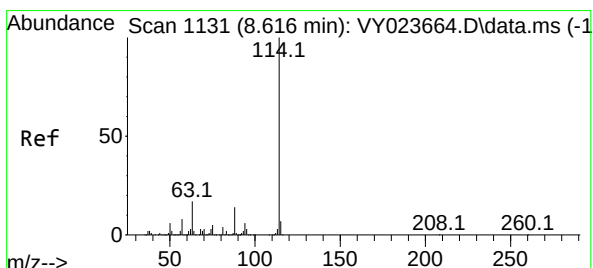
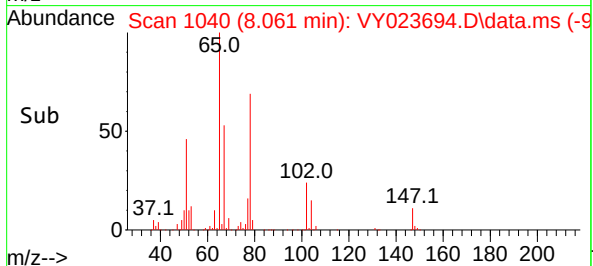
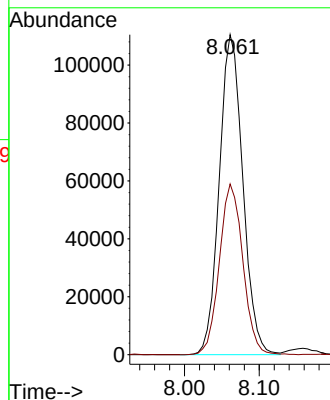
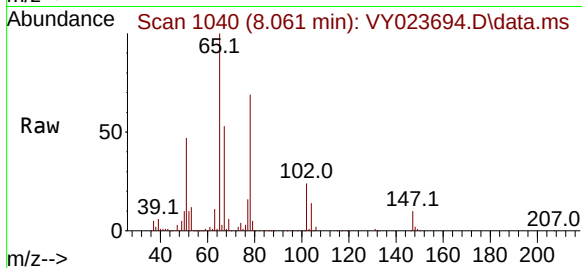
67 53.3 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

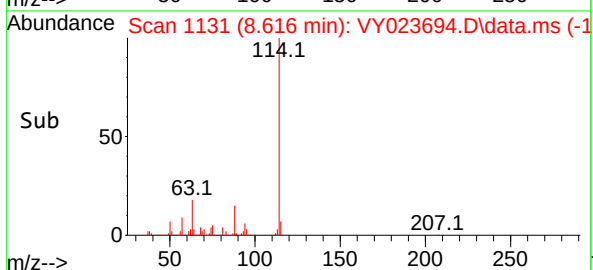
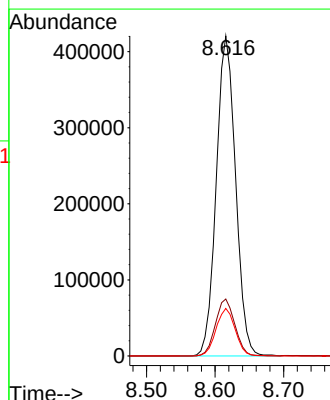
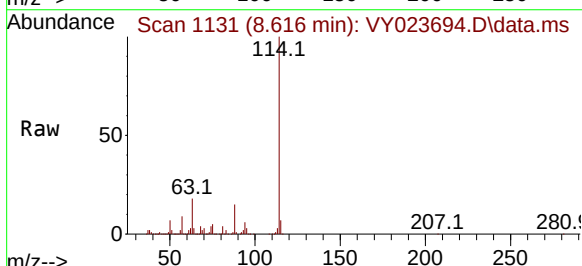
Tgt Ion:114 Resp: 822052

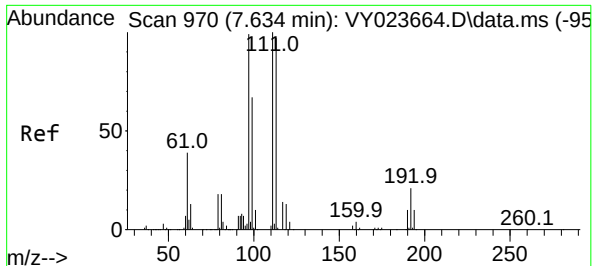
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.457 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:113 Resp: 259210

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

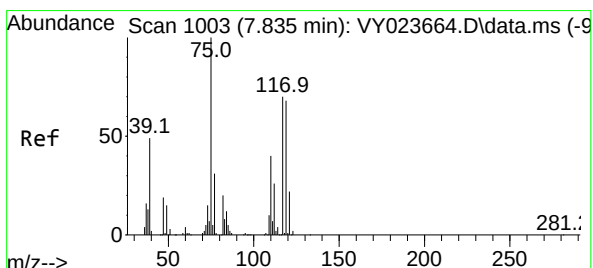
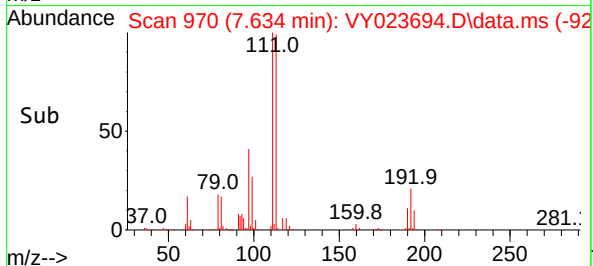
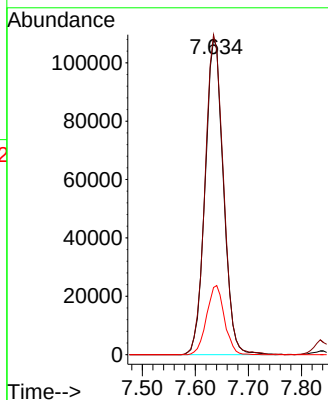
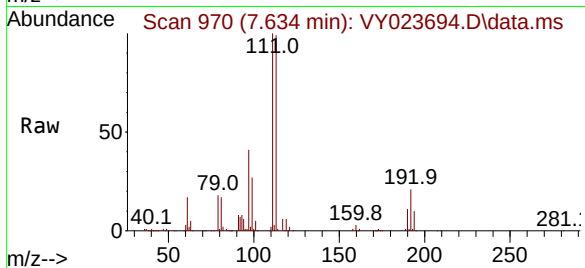
192 21.3 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#36

1,1-Dichloropropene

Concen: 20.416 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

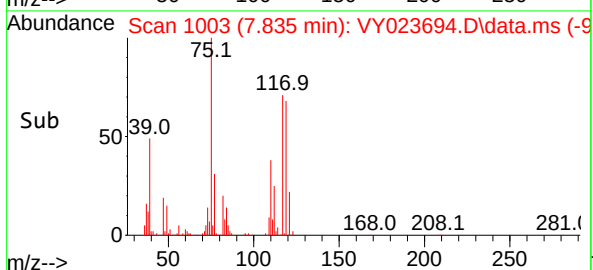
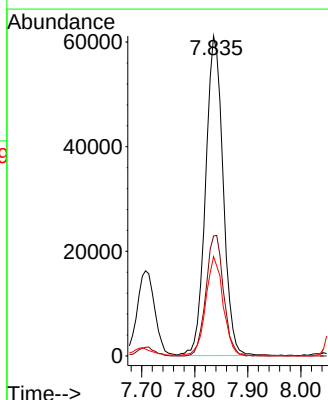
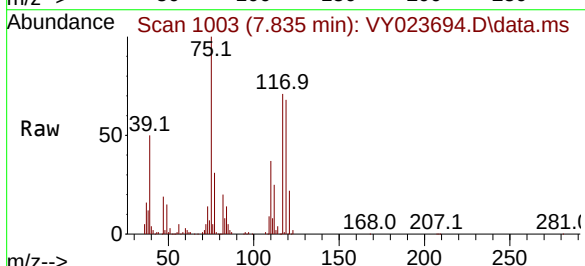
Tgt Ion: 75 Resp: 140152

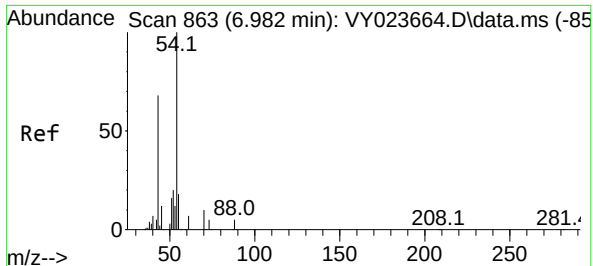
Ion Ratio Lower Upper

75 100

110 38.1 19.7 59.0

77 31.0 25.2 37.8





#37

Ethyl Acetate

Concen: 21.240 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

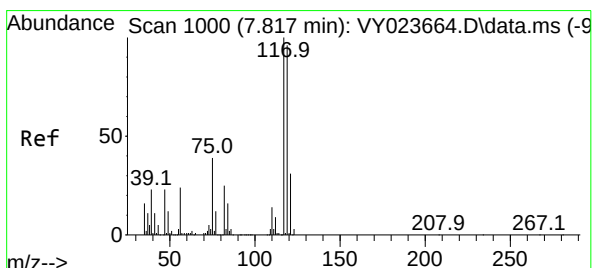
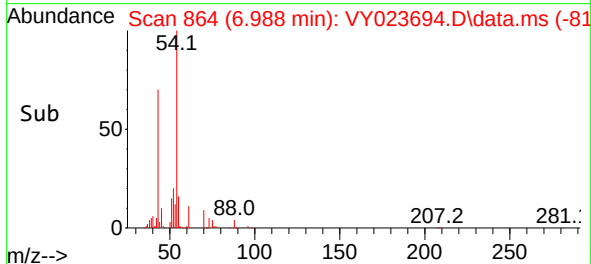
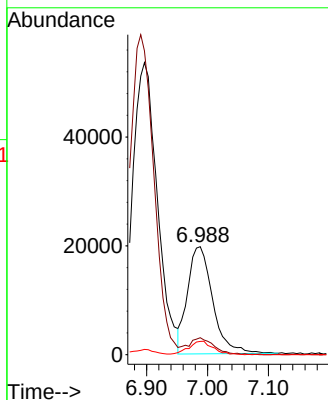
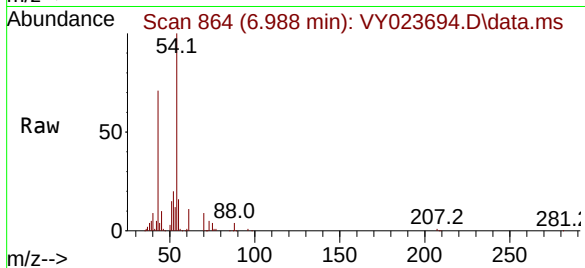
VY1106SBS01

Tgt Ion: 43	Resp: 5644
Ion Ratio	Lower Upper
43 100	
61 15.6	12.4 18.6
70 12.1	9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#38

Carbon Tetrachloride

Concen: 20.467 ug/l

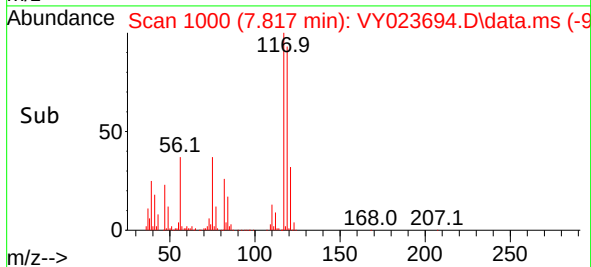
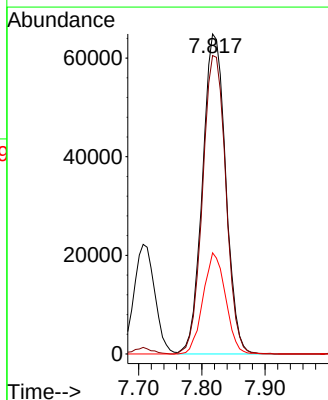
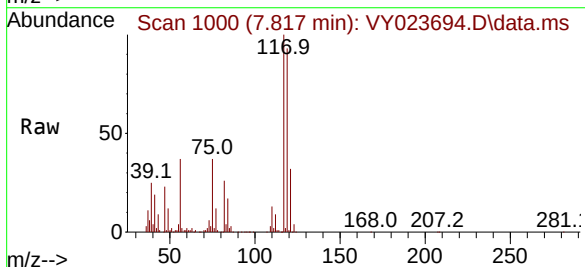
RT: 7.817 min Scan# 1000

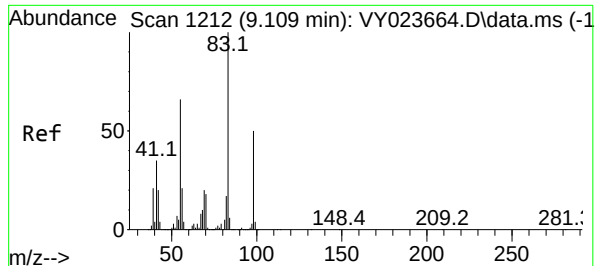
Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Tgt Ion: 117	Resp: 165543
Ion Ratio	Lower Upper
117 100	
119 93.2	76.3 114.5
121 31.6	24.8 37.2





#39

Methylcyclohexane

Concen: 19.710 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 83 Resp: 17288

Ion Ratio Lower Upper

83 100

55 73.9 52.6 78.8

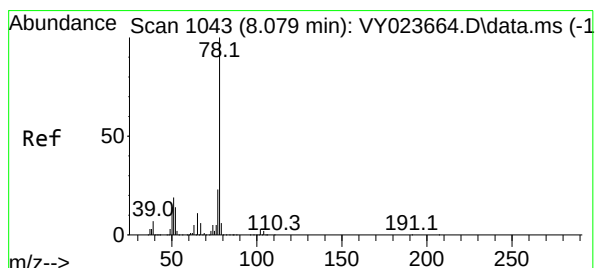
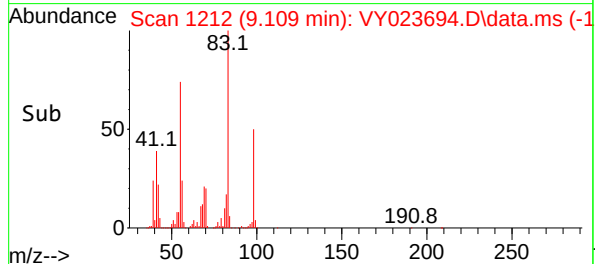
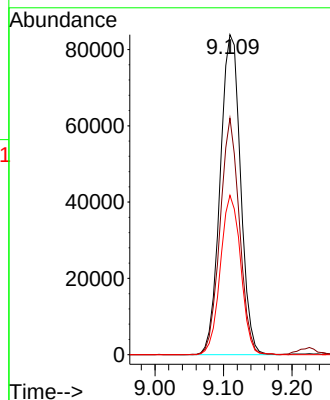
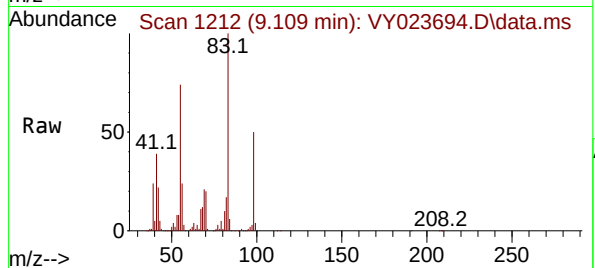
98 49.8 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#40

Benzene

Concen: 20.538 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023694.D

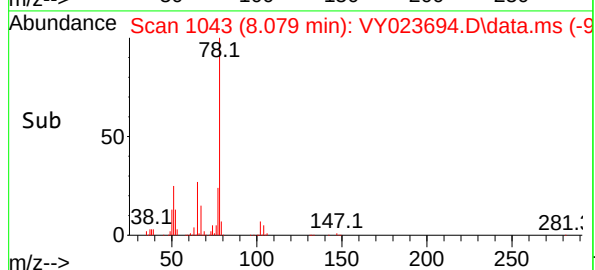
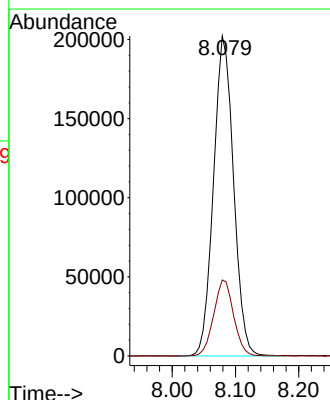
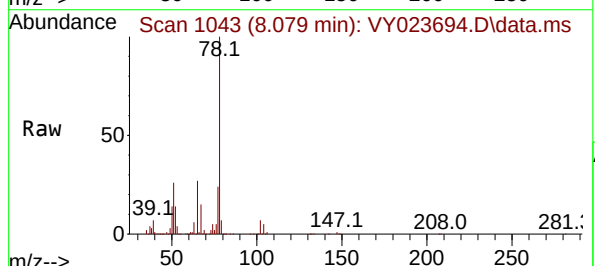
Acq: 06 Nov 2025 09:44

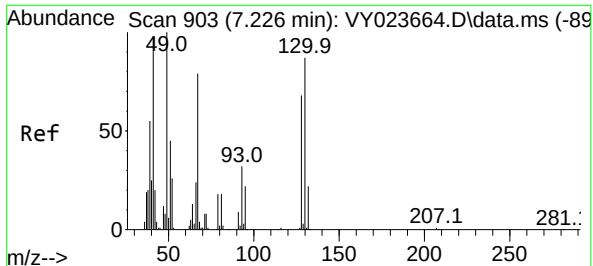
Tgt Ion: 78 Resp: 444410

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2





#41

Methacrylonitrile

Concen: 16.817 ug/l

RT: 7.220 min Scan# 903

Delta R.T. -0.006 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 41 Resp: 2439

Ion Ratio Lower Upper

41 100

39 0.0 38.6 57.8

67 102.0 71.3 106.9

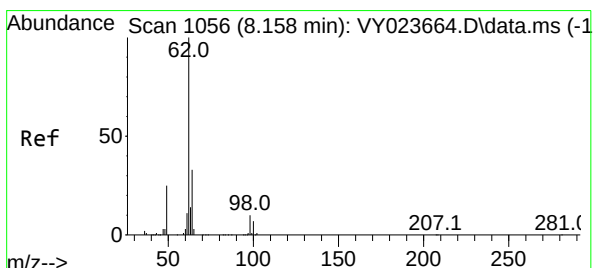
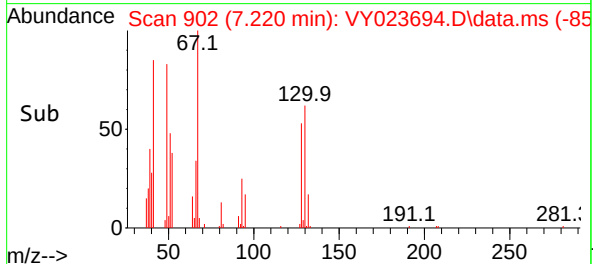
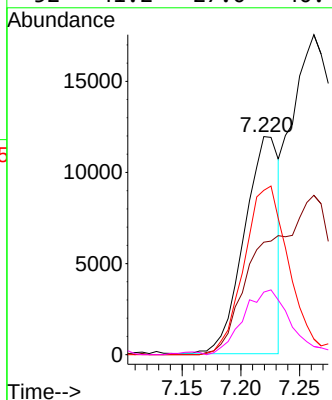
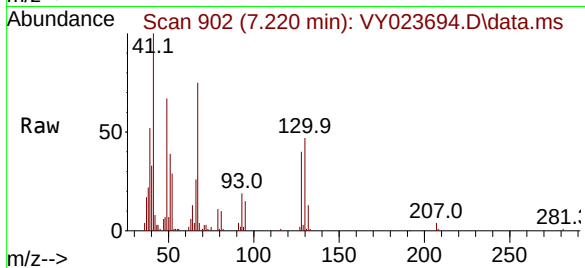
52 41.2 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#42

1,2-Dichloroethane

Concen: 20.708 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY023694.D

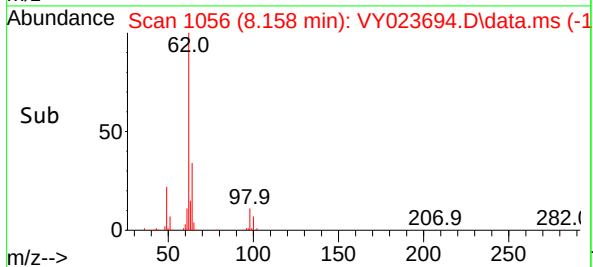
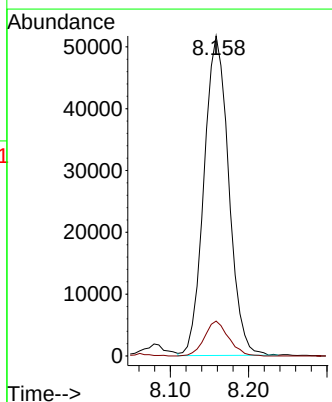
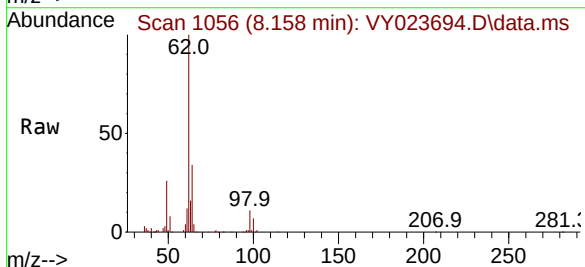
Acq: 06 Nov 2025 09:44

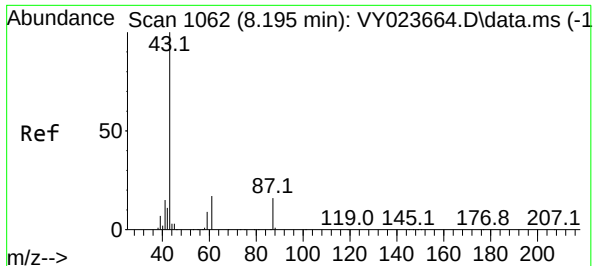
Tgt Ion: 62 Resp: 113361

Ion Ratio Lower Upper

62 100

98 10.7 0.0 21.0





#43

Isopropyl Acetate

Concen: 20.589 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 43 Resp: 102800

Ion Ratio Lower Upper

43 100

61 23.1 18.2 27.2

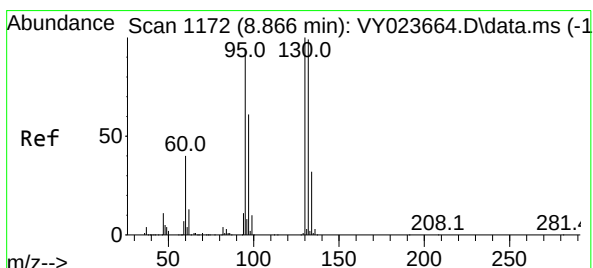
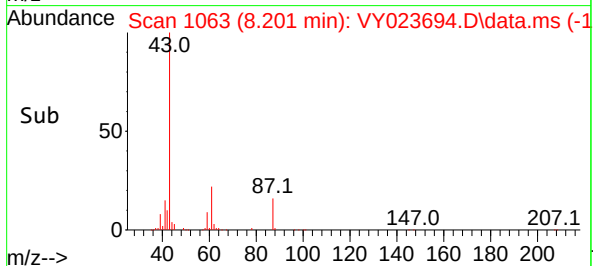
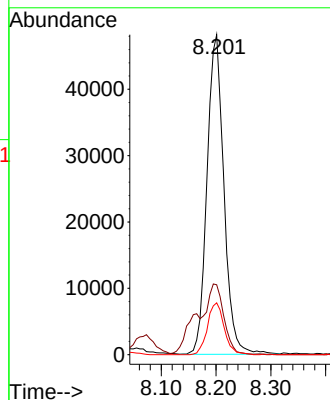
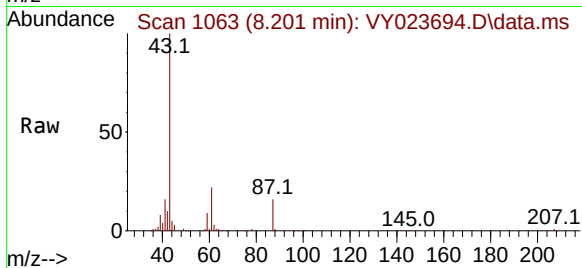
87 16.2 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#44

Trichloroethene

Concen: 20.023 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023694.D

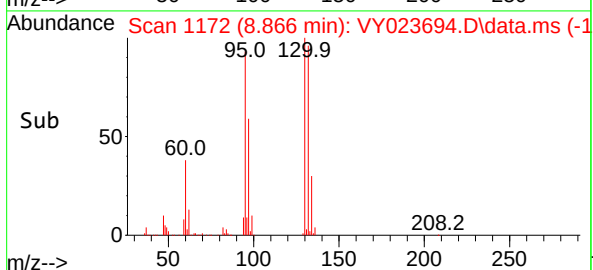
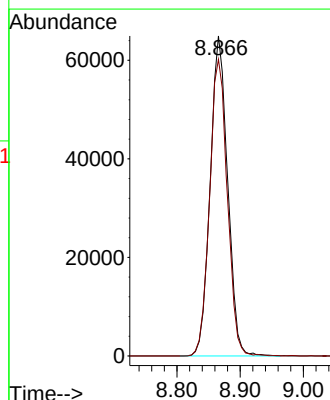
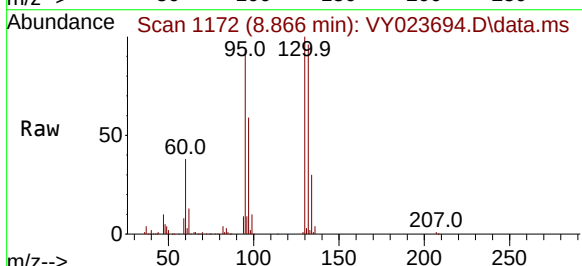
Acq: 06 Nov 2025 09:44

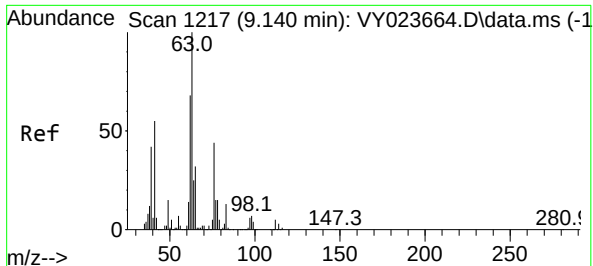
Tgt Ion:130 Resp: 124443

Ion Ratio Lower Upper

130 100

95 92.7 0.0 187.0





#45

1,2-Dichloropropane

Concen: 20.778 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 63 Resp: 99224

Ion Ratio Lower Upper

63 100

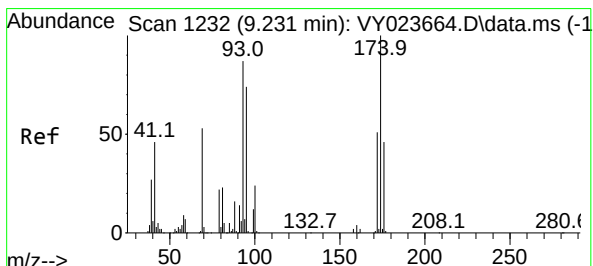
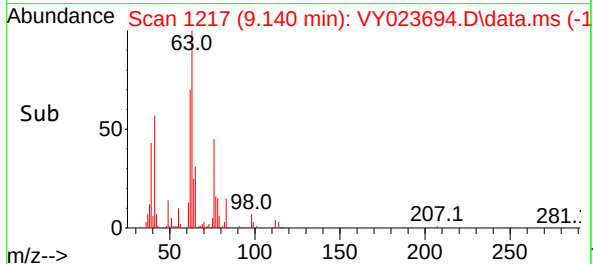
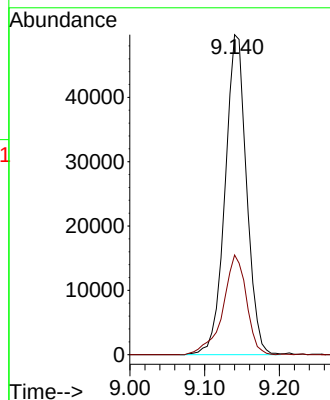
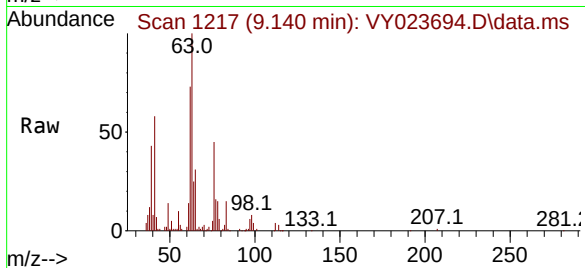
65 31.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#46

Dibromomethane

Concen: 20.709 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

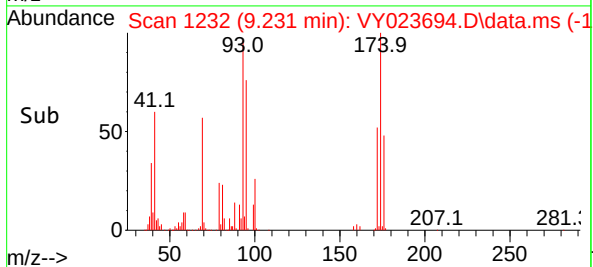
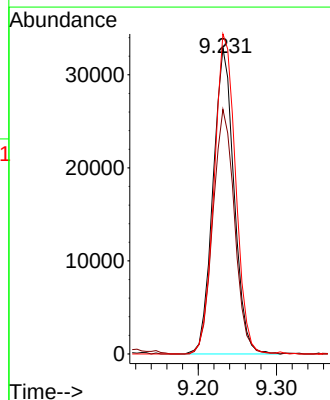
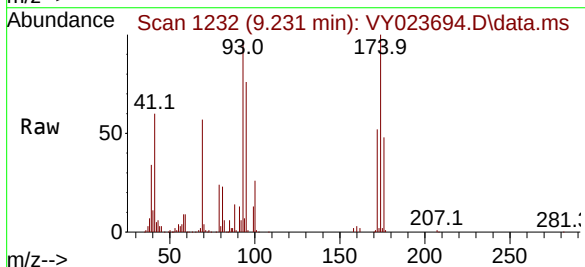
Tgt Ion: 93 Resp: 61277

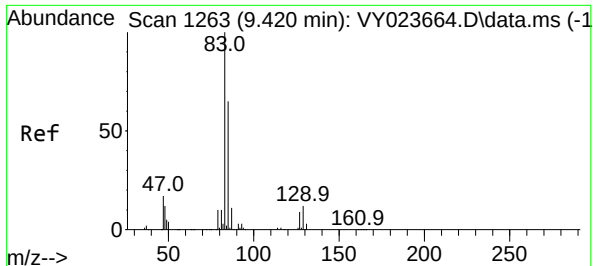
Ion Ratio Lower Upper

93 100

95 82.2 67.4 101.2

174 106.8 89.4 134.0





#47

Bromodichloromethane

Concen: 20.684 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 83 Resp: 15431

Ion Ratio Lower Upper

83 100

85 62.1 52.1 78.1

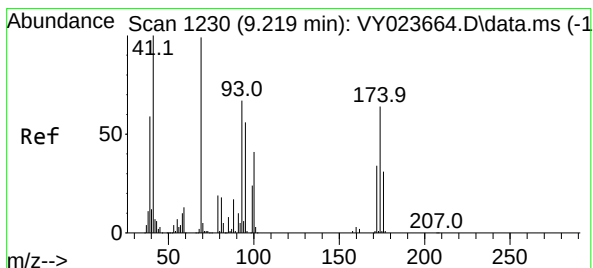
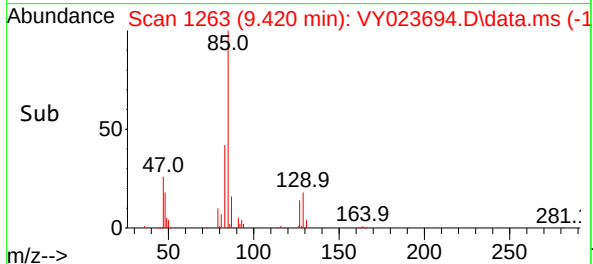
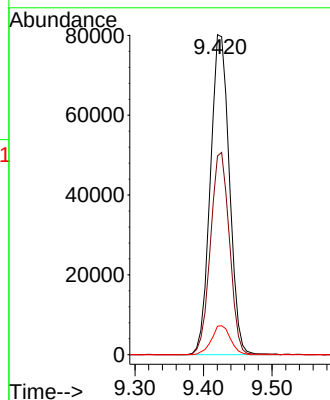
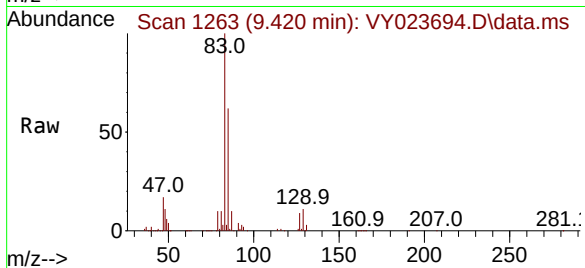
127 8.9 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#48

Methyl methacrylate

Concen: 20.532 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

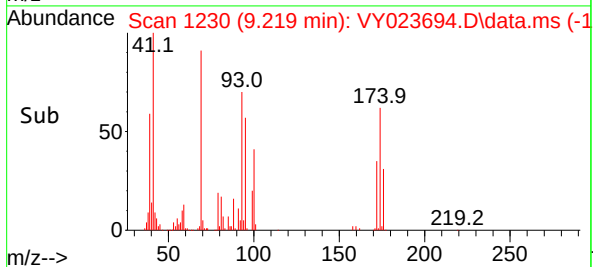
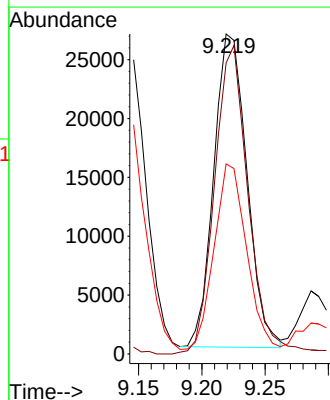
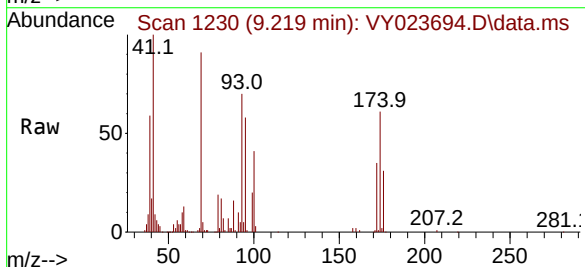
Tgt Ion: 41 Resp: 48437

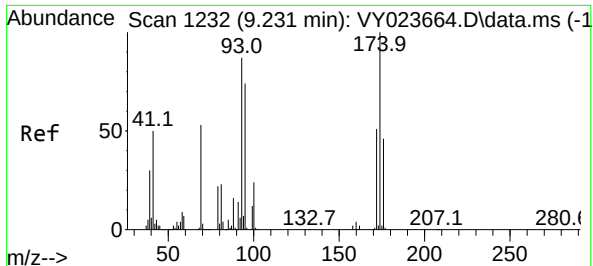
Ion Ratio Lower Upper

41 100

69 101.0 80.2 120.2

39 58.1 47.4 71.0





#49

1,4-Dioxane

Concen: 413.484 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

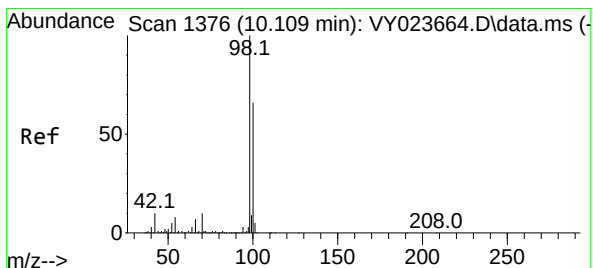
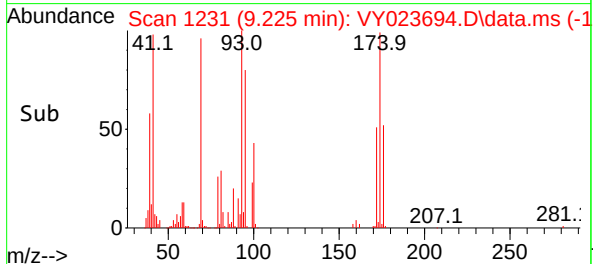
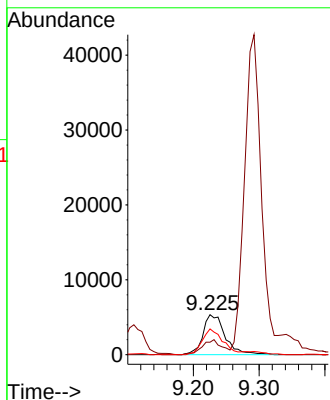
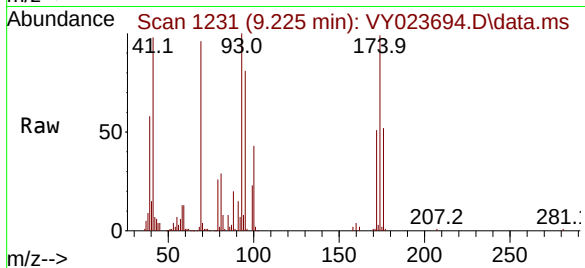
Tgt Ion:	88	Resp:	1252
Ion	Ratio	Lower	Upper
88	100		
43	33.4	22.0	33.0
58	60.5	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#50

Toluene-d8

Concen: 51.518 ug/l

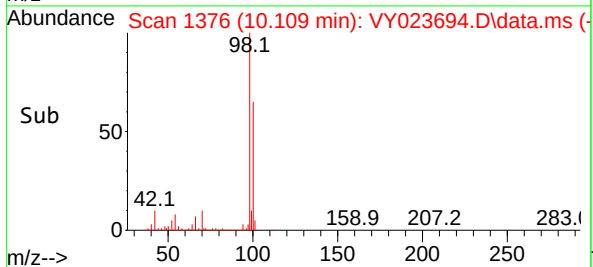
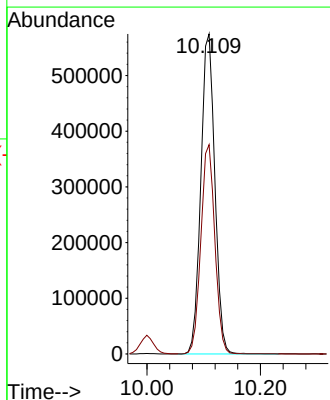
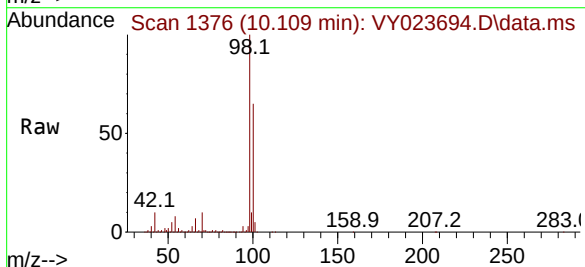
RT: 10.109 min Scan# 1376

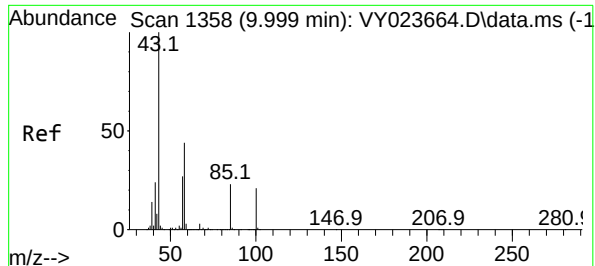
Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Tgt Ion:	98	Resp:	985886
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1





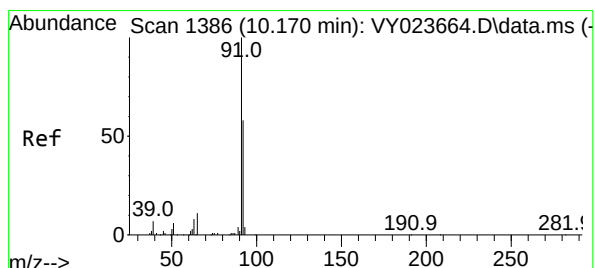
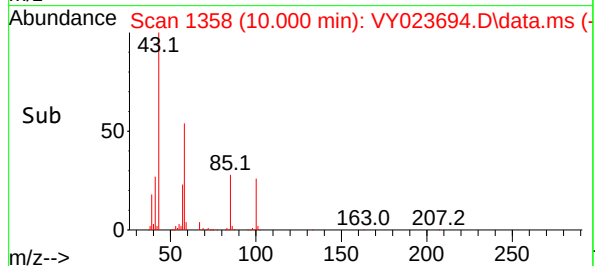
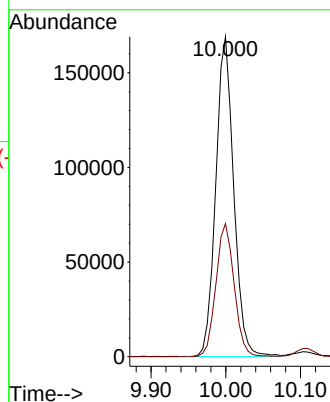
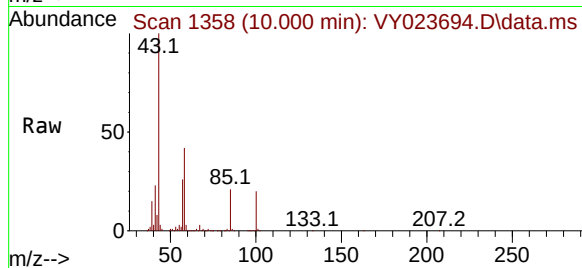
#51
4-Methyl-2-Pentanone
Concen: 106.199 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion: 43 Resp: 281999
Ion Ratio Lower Upper
43 100
58 42.3 34.8 52.2

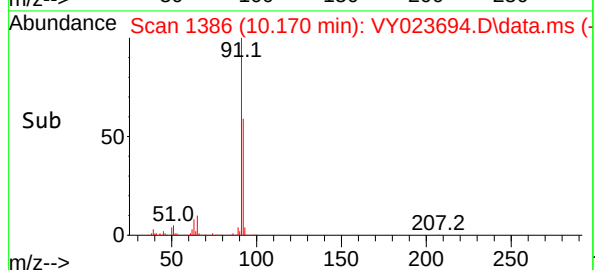
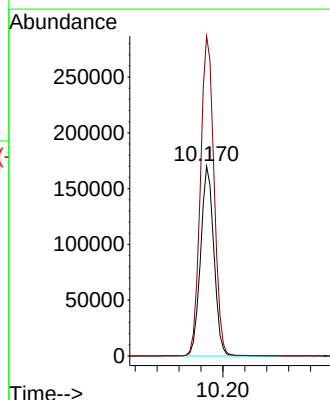
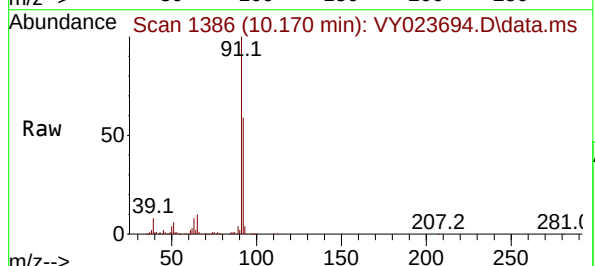
Manual Integrations
APPROVED

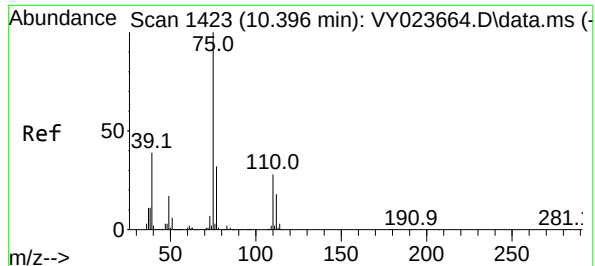
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#52
Toluene
Concen: 20.728 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Tgt Ion: 92 Resp: 286343
Ion Ratio Lower Upper
92 100
91 172.6 137.8 206.8





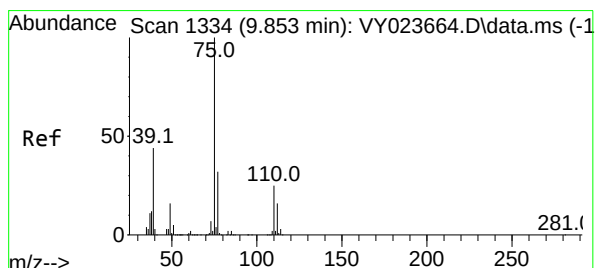
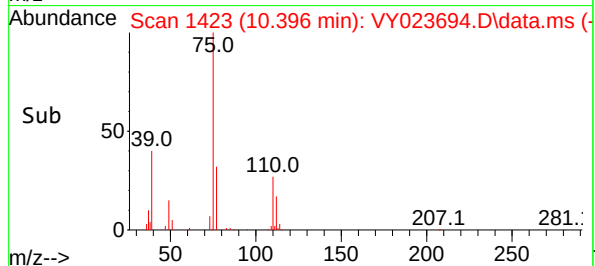
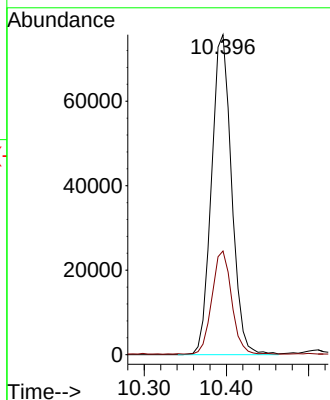
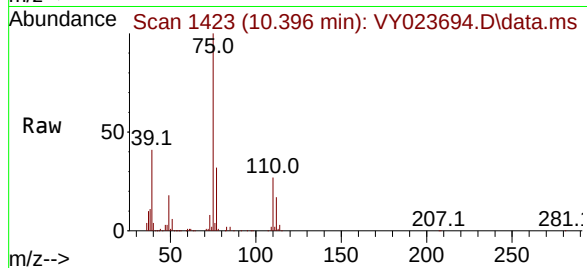
#53
t-1,3-Dichloropropene
Concen: 20.355 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion: 75 Resp: 12849
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4

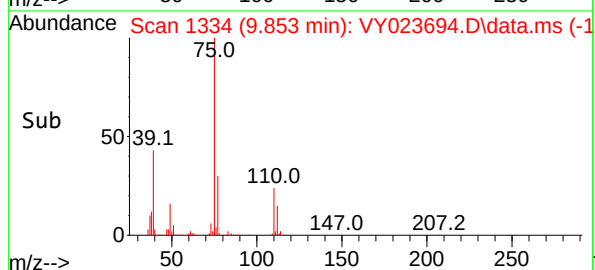
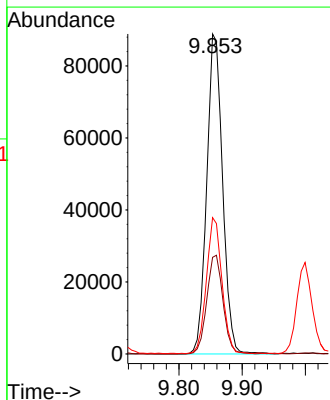
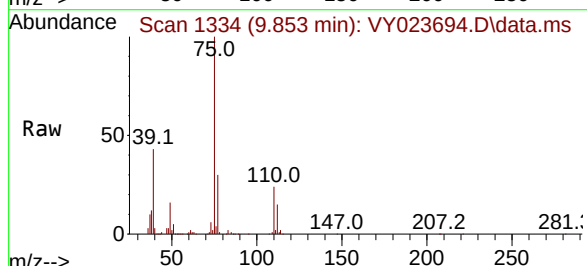
Manual Integrations
APPROVED

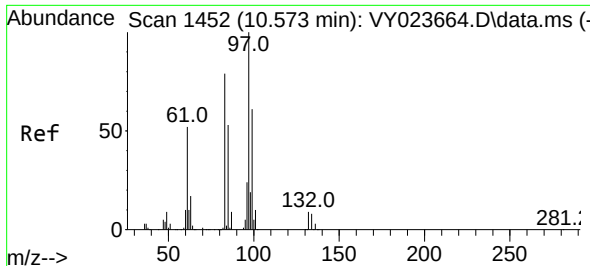
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#54
cis-1,3-Dichloropropene
Concen: 20.554 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

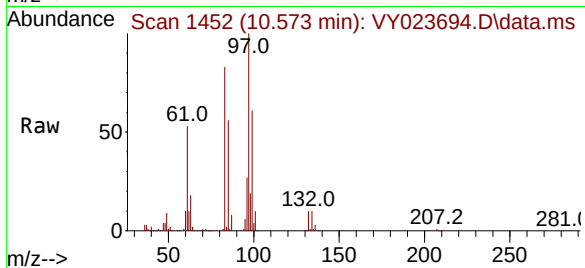
Tgt Ion: 75 Resp: 155449
Ion Ratio Lower Upper
75 100
77 30.2 25.7 38.5
39 42.5 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 20.790 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

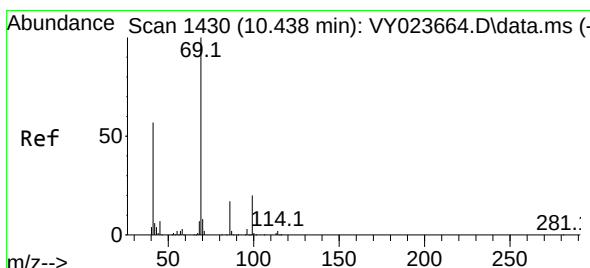
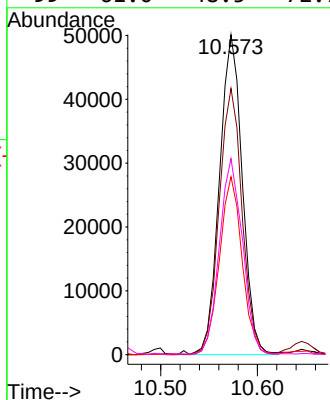
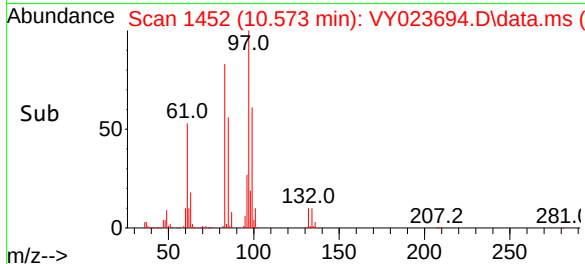
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



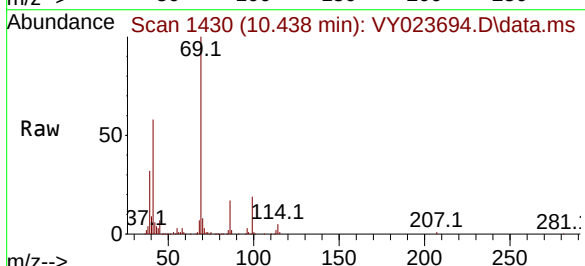
Tgt Ion: 97 Resp: 8221
Ion Ratio Lower Upper
97 100
83 83.0 63.3 94.9
85 55.4 42.4 63.6
99 61.0 48.5 72.7

Manual Integrations
APPROVED

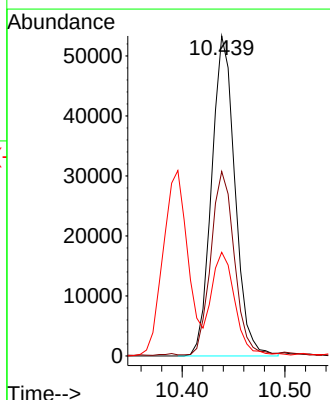
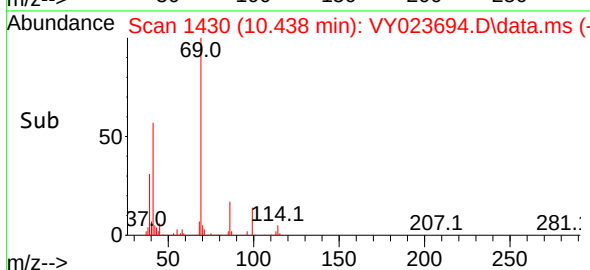
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

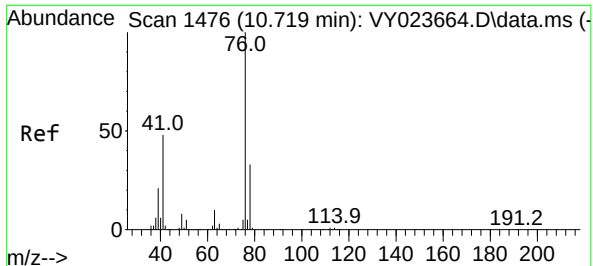


#56
Ethyl methacrylate
Concen: 19.296 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44



Tgt Ion: 69 Resp: 84068
Ion Ratio Lower Upper
69 100
41 57.7 45.0 67.4
39 31.8 25.1 37.7





#57

1,3-Dichloropropane

Concen: 20.589 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 76 Resp: 129138

Ion Ratio Lower Upper

76 100

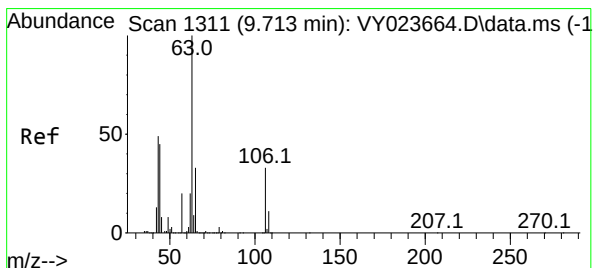
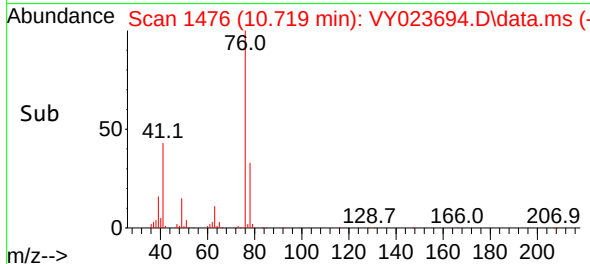
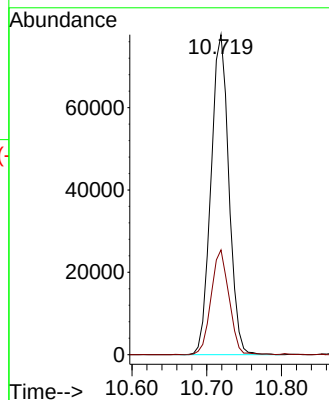
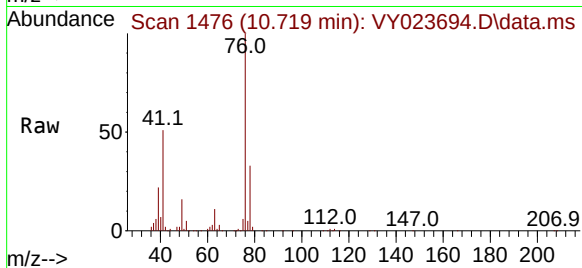
78 32.8 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#58

2-Chloroethyl Vinyl ether

Concen: 98.718 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY023694.D

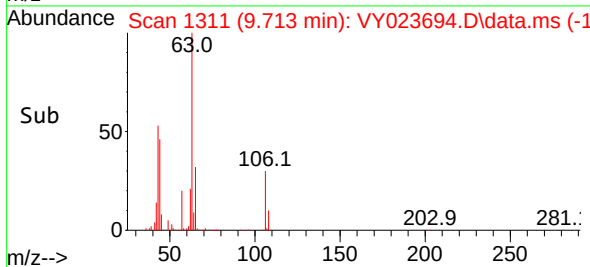
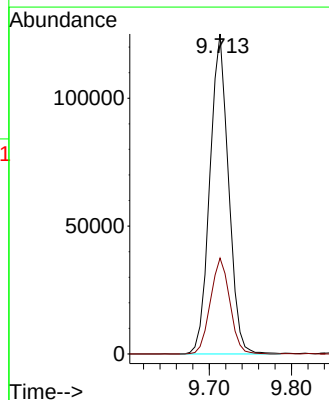
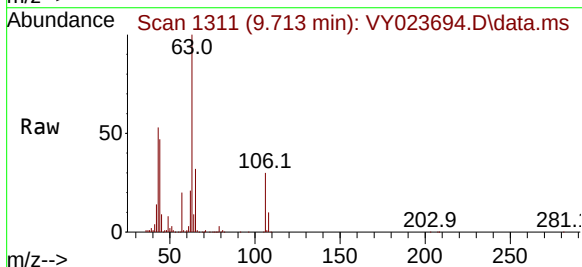
Acq: 06 Nov 2025 09:44

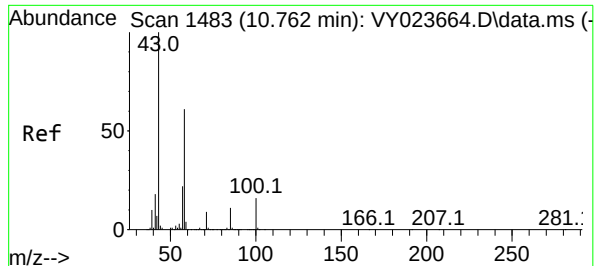
Tgt Ion: 63 Resp: 197363

Ion Ratio Lower Upper

63 100

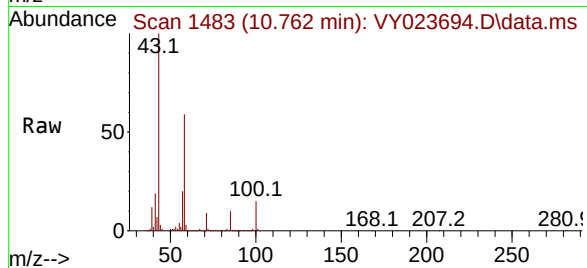
106 31.0 26.2 39.2





#59
2-Hexanone
Concen: 108.695 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

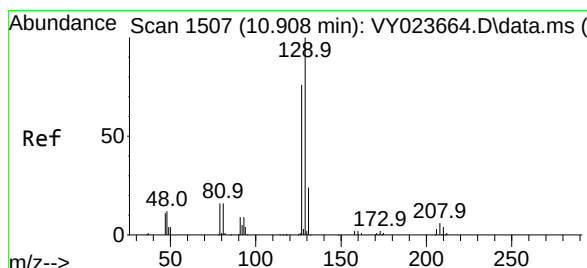
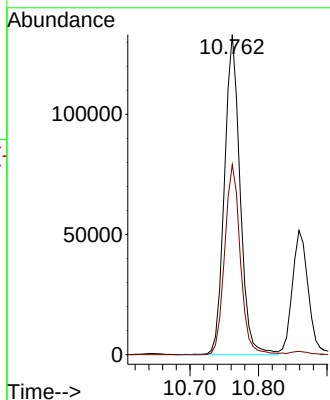
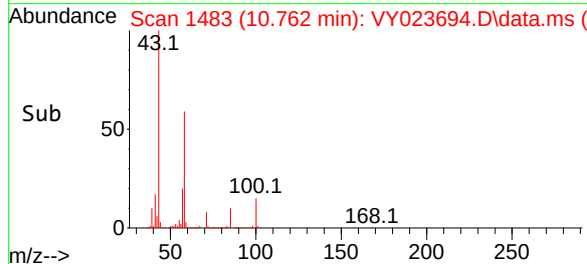
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



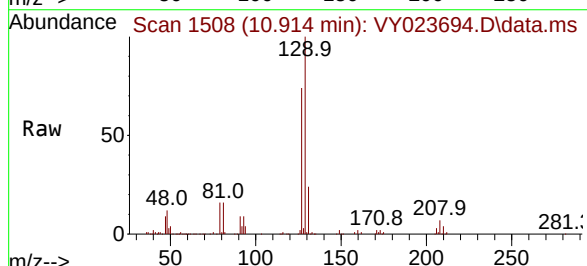
Tgt Ion: 43 Resp: 210570
Ion Ratio Lower Upper
43 100
58 59.4 30.2 90.6

Manual Integrations
APPROVED

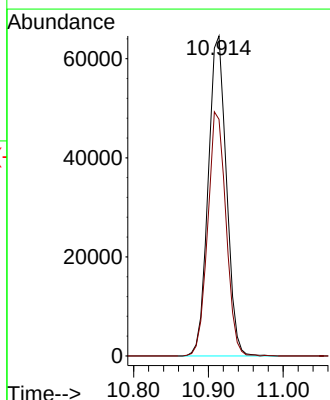
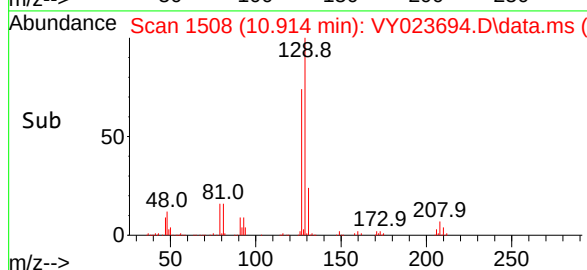
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

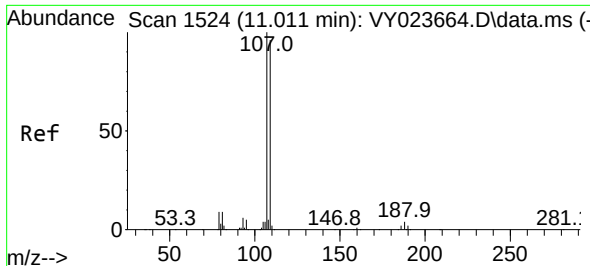


#60
Dibromochloromethane
Concen: 20.111 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44



Tgt Ion:129 Resp: 109268
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





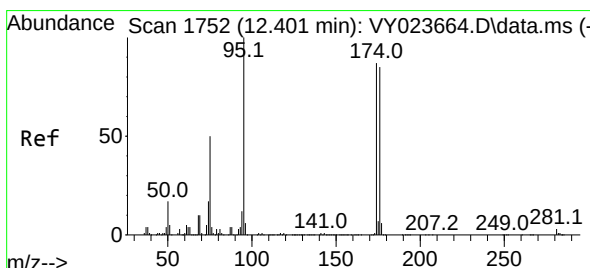
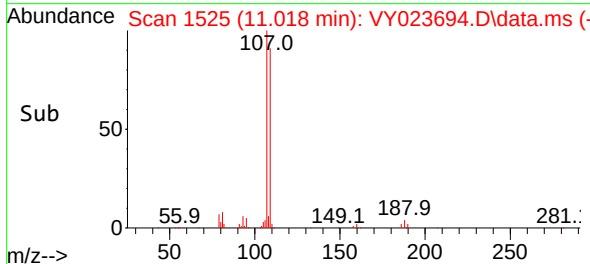
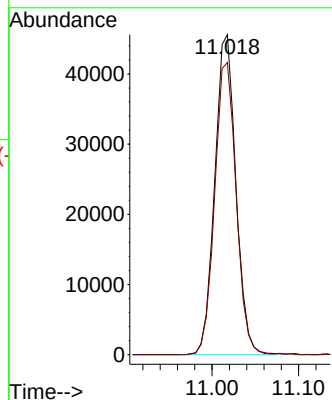
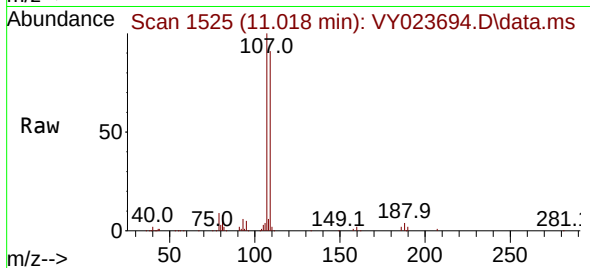
#61
1,2-Dibromoethane
Concen: 20.777 ug/l
RT: 11.018 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion:107 Resp: 77104
Ion Ratio Lower Upper
107 100
109 92.9 76.2 114.4

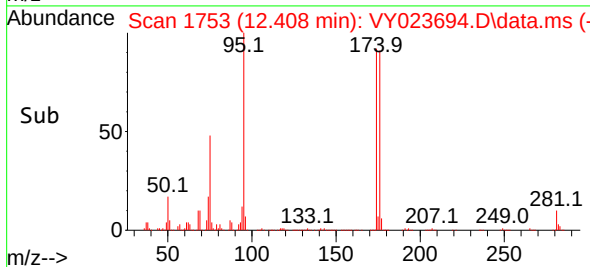
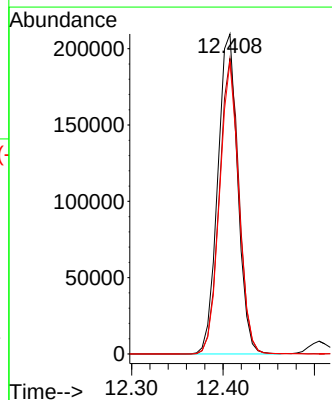
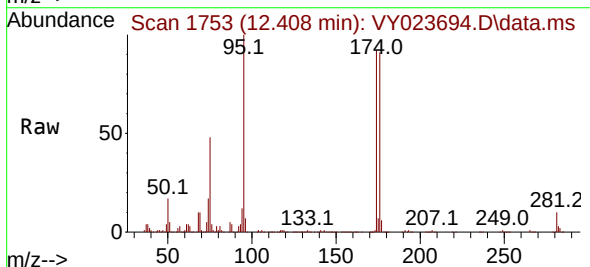
Manual Integrations
APPROVED

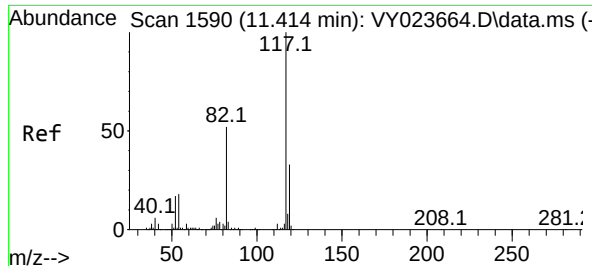
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#62
4-Bromofluorobenzene
Concen: 51.574 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

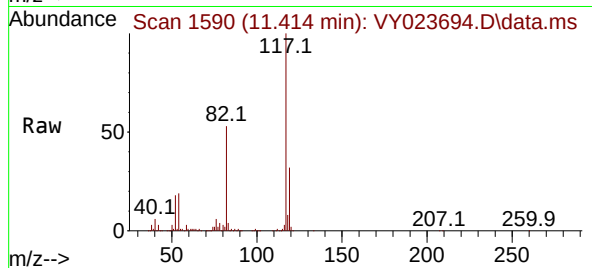
Tgt Ion: 95 Resp: 319171
Ion Ratio Lower Upper
95 100
174 91.2 0.0 184.8
176 88.0 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

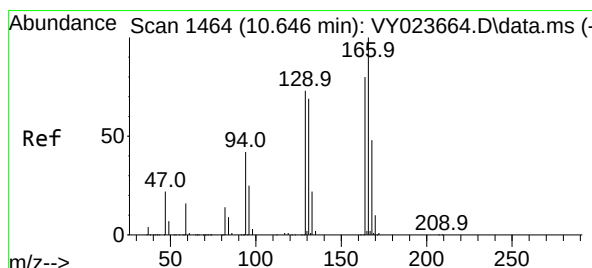
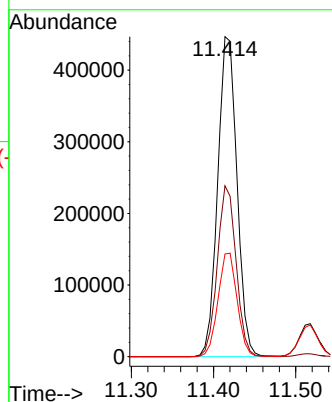
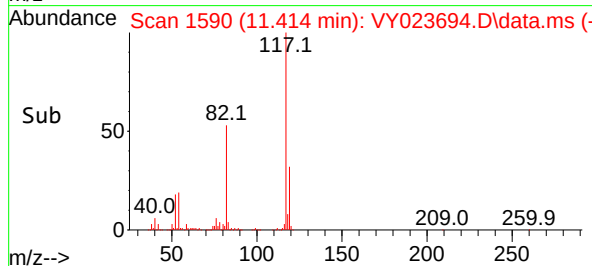
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



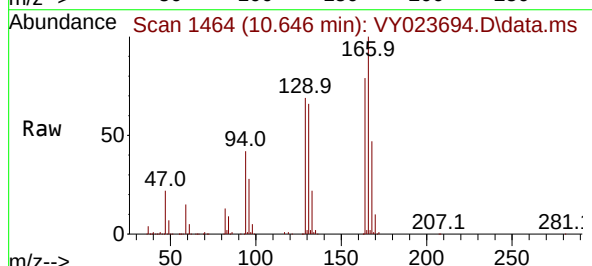
Tgt Ion:117 Resp: 72827
Ion Ratio Lower Upper
117 100
82 53.4 41.2 61.8
119 32.1 26.2 39.2

Manual Integrations
APPROVED

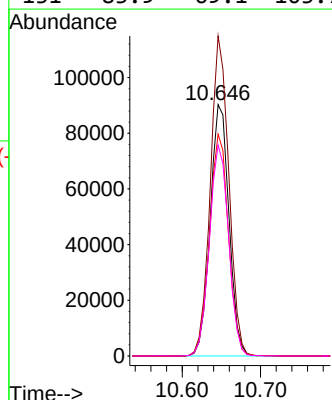
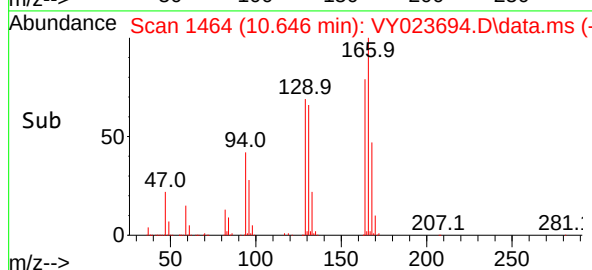
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

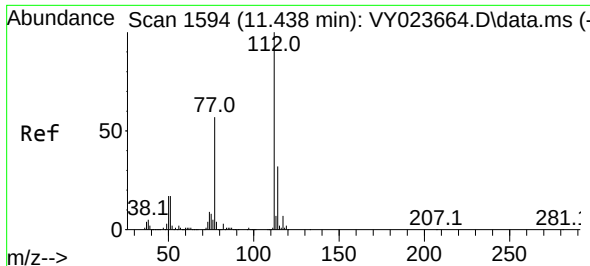


#64
Tetrachloroethene
Concen: 19.825 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44



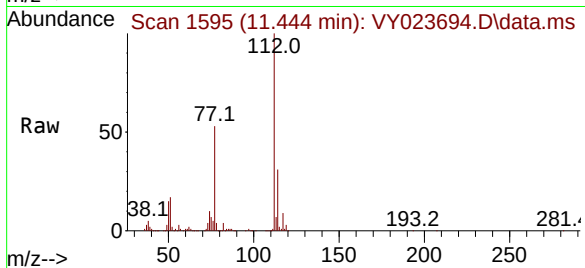
Tgt Ion:164 Resp: 150279
Ion Ratio Lower Upper
164 100
166 127.3 99.5 149.3
129 88.2 72.3 108.5
131 83.9 69.1 103.7





#65
Chlorobenzene
Concen: 19.889 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

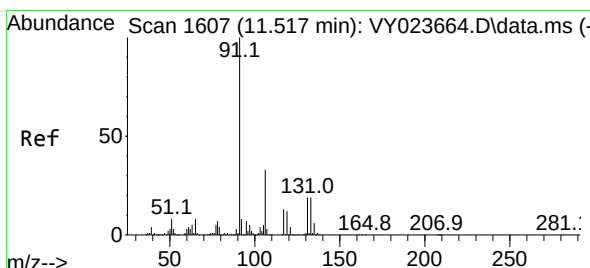
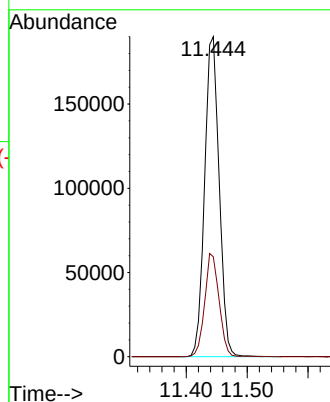
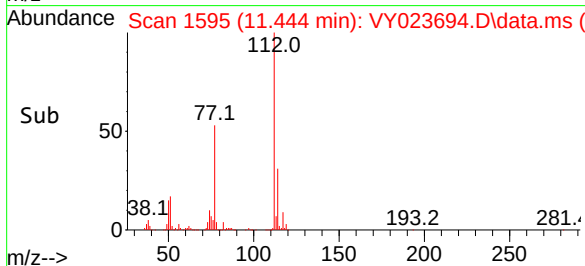
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



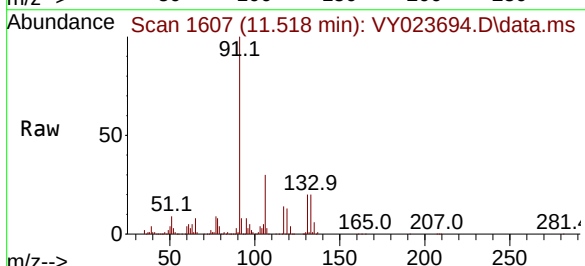
Tgt Ion:112 Resp: 315324
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6

Manual Integrations
APPROVED

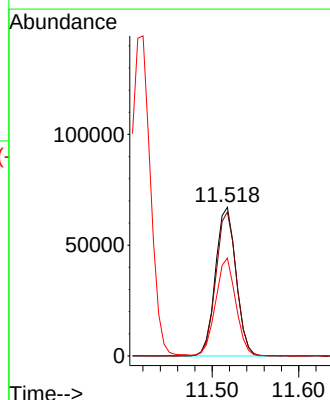
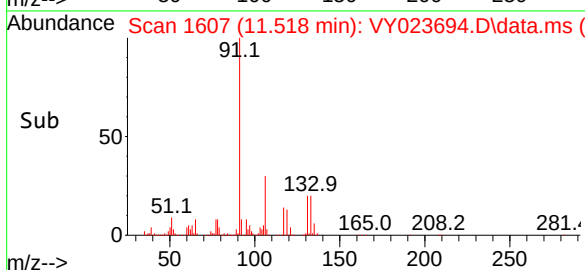
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

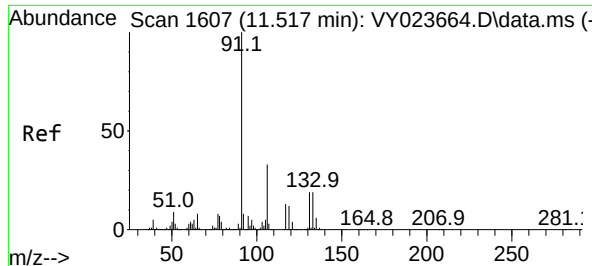


#66
1,1,1,2-Tetrachloroethane
Concen: 19.767 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44



Tgt Ion:131 Resp: 110820
Ion Ratio Lower Upper
131 100
133 96.3 47.3 141.8
119 64.8 32.5 97.4





#67

Ethyl Benzene

Concen: 19.883 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 91 Resp: 51020

Ion Ratio Lower Upper

91 100

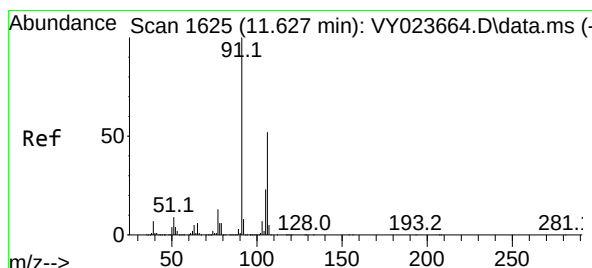
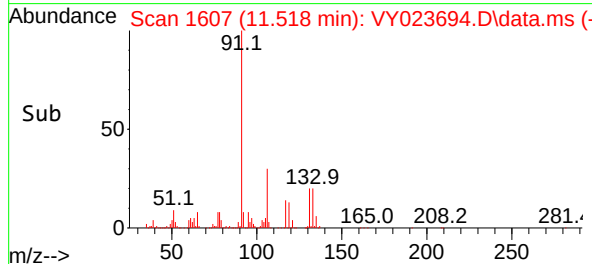
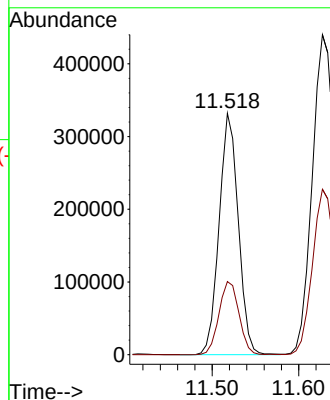
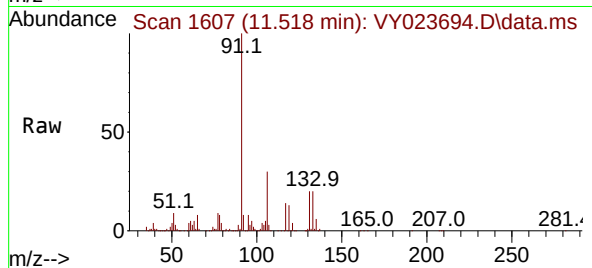
106 30.3 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#68

m/p-Xylenes

Concen: 40.142 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY023694.D

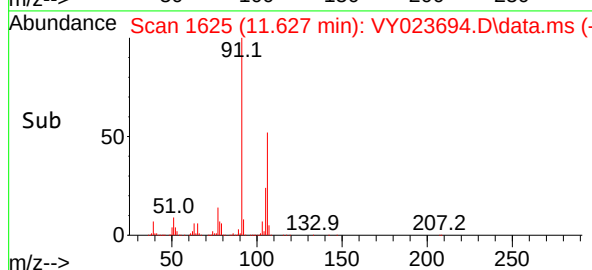
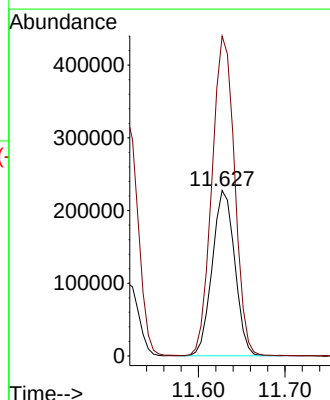
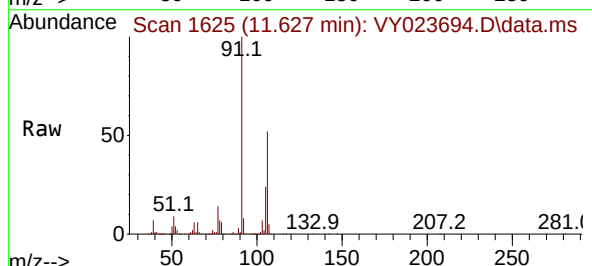
Acq: 06 Nov 2025 09:44

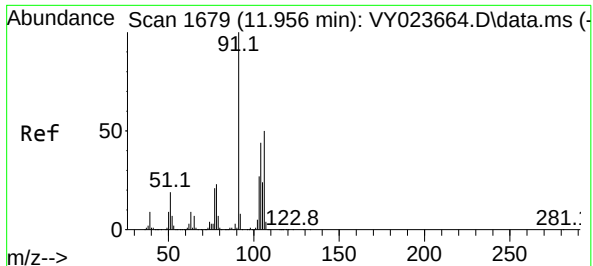
Tgt Ion:106 Resp: 411539

Ion Ratio Lower Upper

106 100

91 194.5 154.3 231.5





#69

o-Xylene

Concen: 19.603 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:106 Resp: 185778

Ion Ratio Lower Upper

106 100

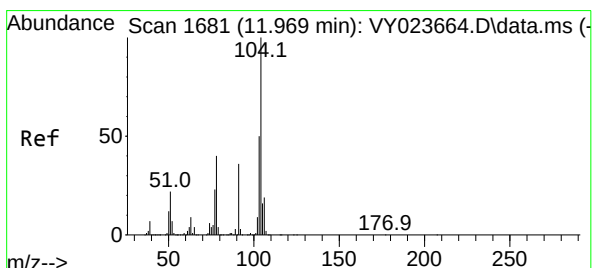
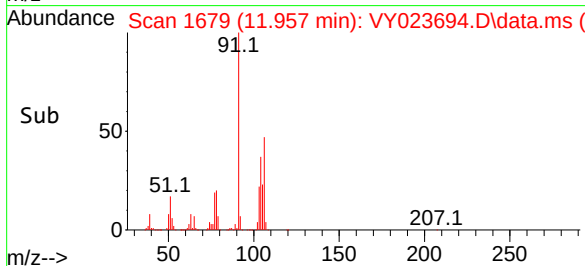
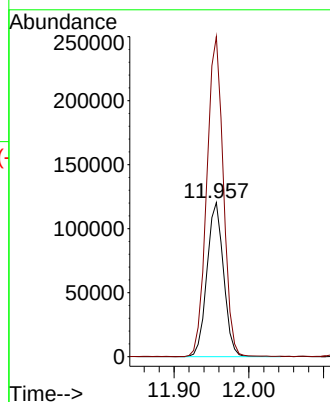
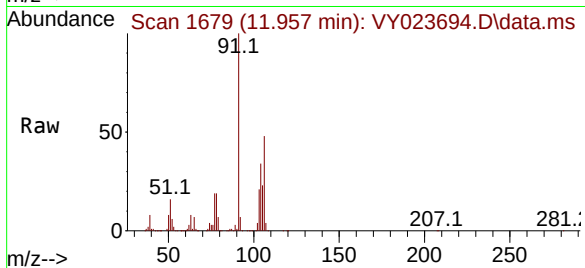
91 207.2 101.6 304.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#70

Styrene

Concen: 19.796 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

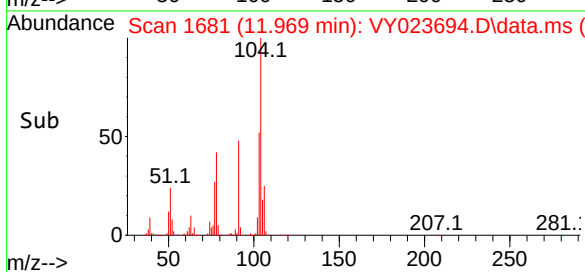
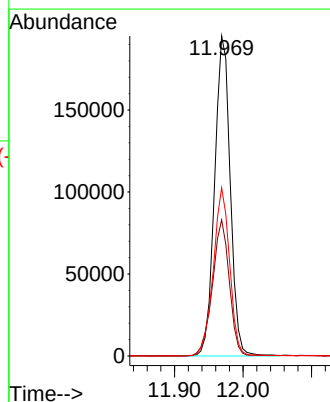
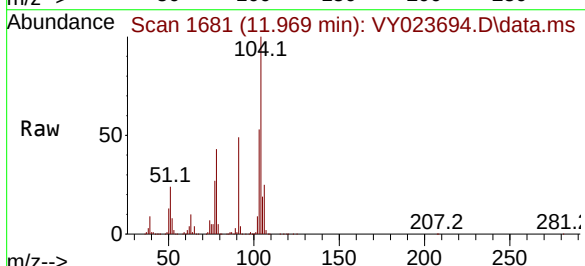
Tgt Ion:104 Resp: 309544

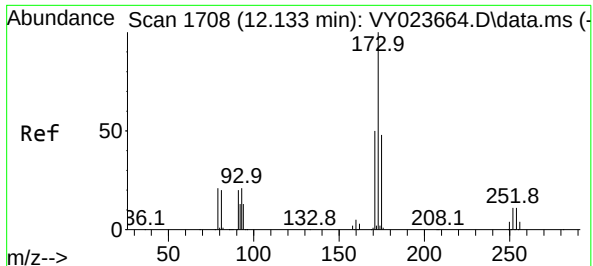
Ion Ratio Lower Upper

104 100

78 45.9 36.5 54.7

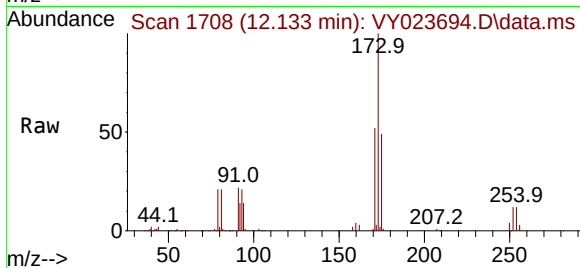
103 55.0 43.7 65.5





#71
Bromoform
Concen: 19.885 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

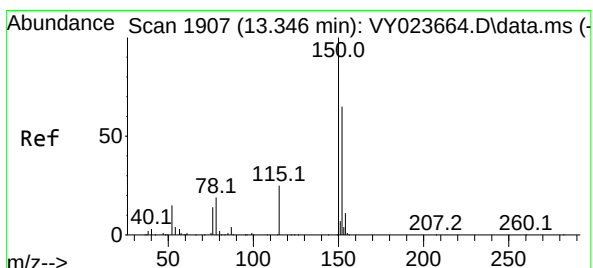
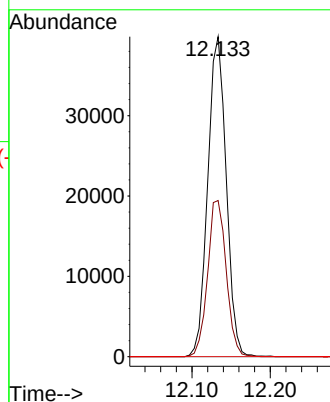
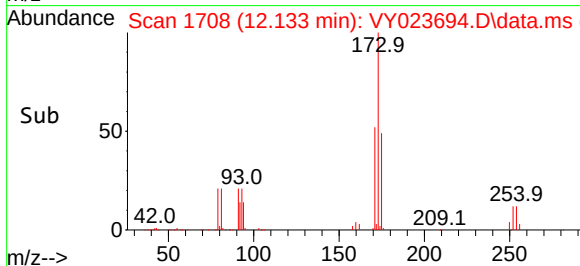
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



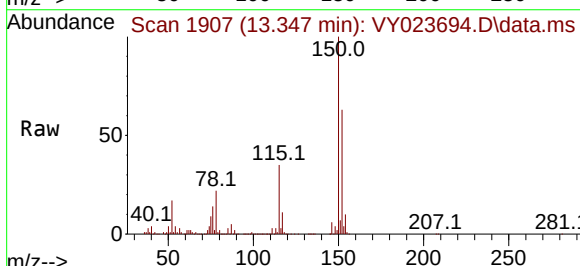
Tgt Ion:173 Resp: 65110
Ion Ratio Lower Upper
173 100
175 49.3 24.2 72.6
254 0.0 0.2 0.2

Manual Integrations
APPROVED

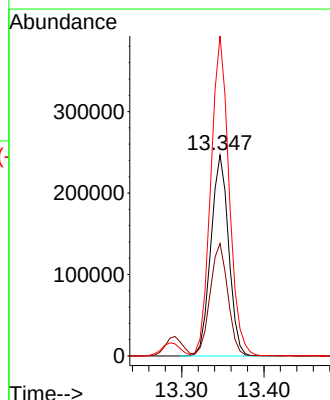
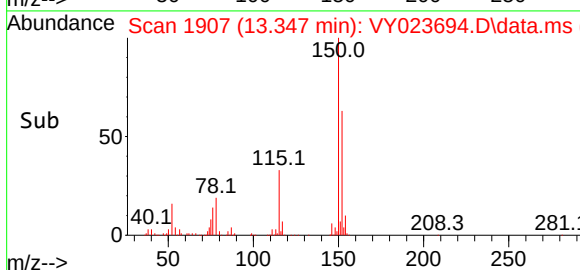
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

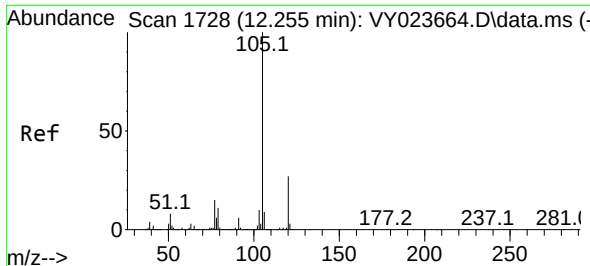


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44



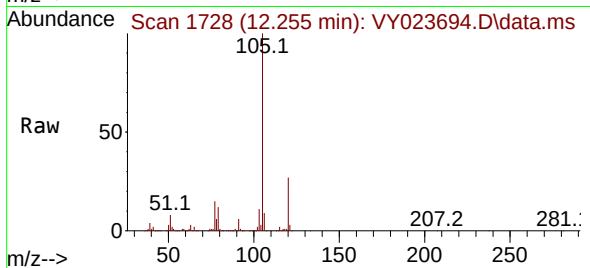
Tgt Ion:152 Resp: 370507
Ion Ratio Lower Upper
152 100
115 55.5 27.5 82.5
150 163.4 0.0 349.0





#73
Isopropylbenzene
Concen: 19.617 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

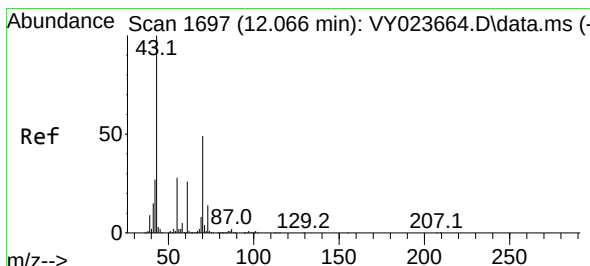
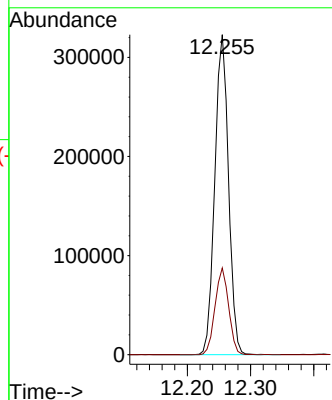
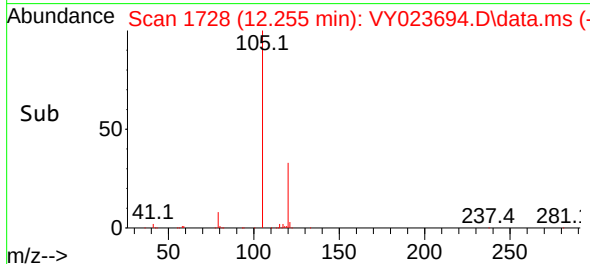
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



Tgt Ion: 105 Resp: 486110
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.7

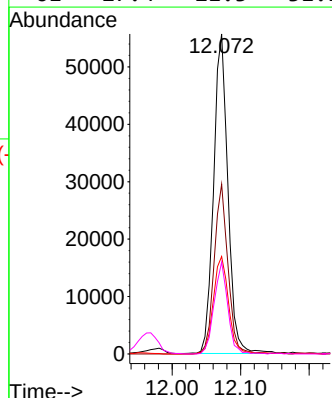
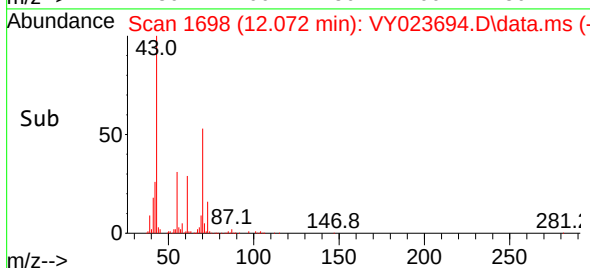
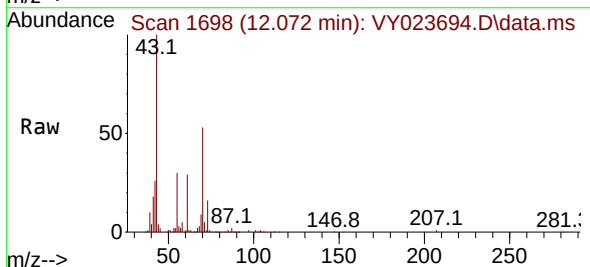
Manual Integrations
APPROVED

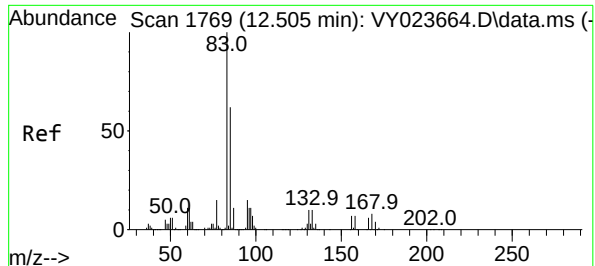
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#74
N-ethyl acetate
Concen: 19.225 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Tgt Ion: 43 Resp: 80659
Ion Ratio Lower Upper
43 100
70 51.4 40.1 60.1
55 32.6 23.0 34.6
61 27.4 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.465 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 83 Resp: 8099

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

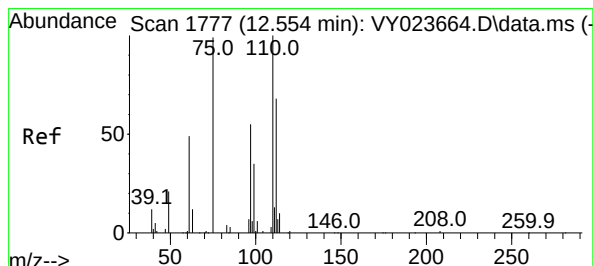
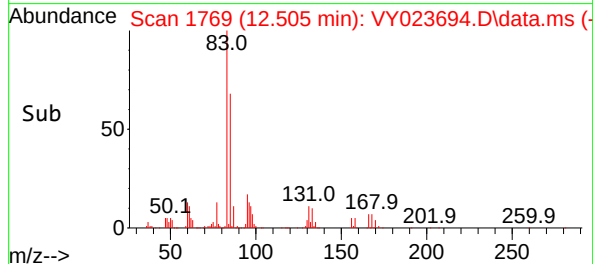
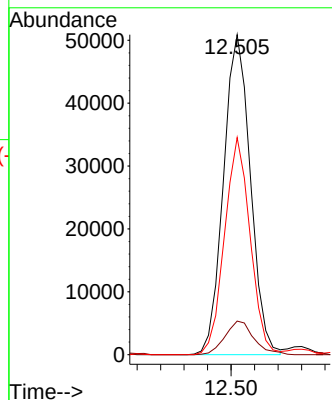
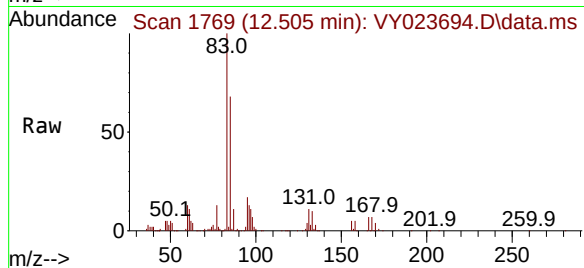
85 64.6 31.9 95.7

Manual Integrations

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Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#76

1,2,3-Trichloropropane

Concen: 20.496 ug/l m

RT: 12.554 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VY023694.D

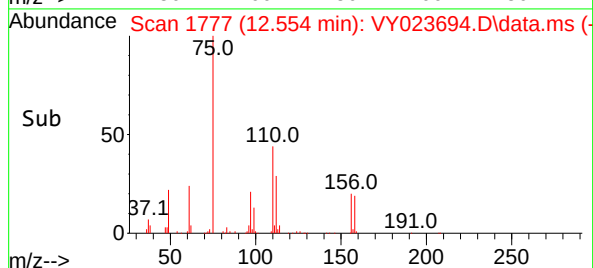
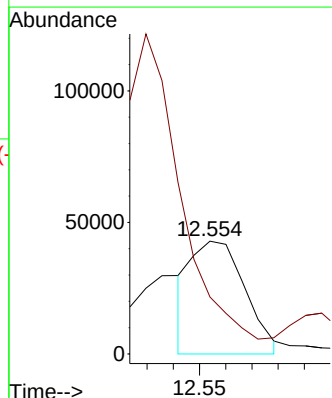
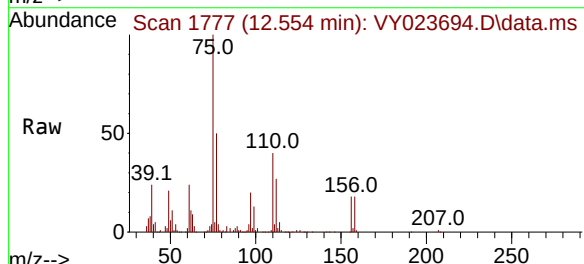
Acq: 06 Nov 2025 09:44

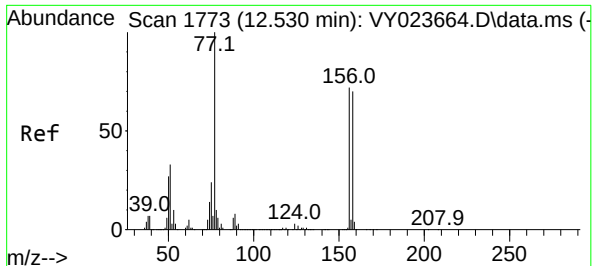
Tgt Ion: 75 Resp: 61459

Ion Ratio Lower Upper

75 100

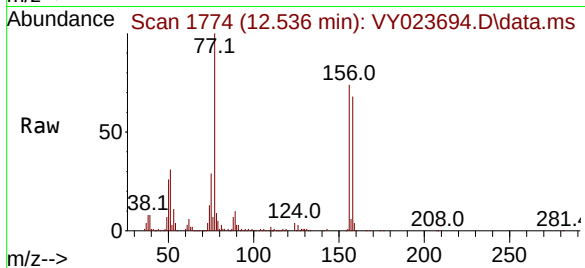
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 19.331 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

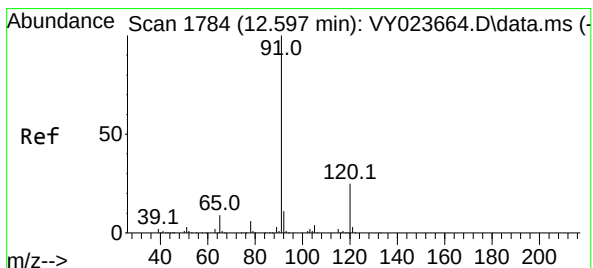
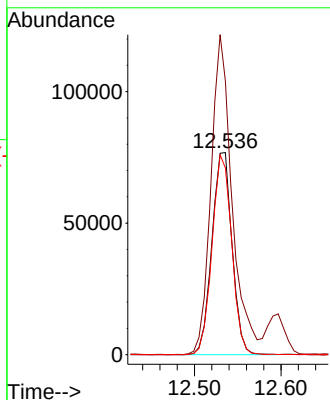
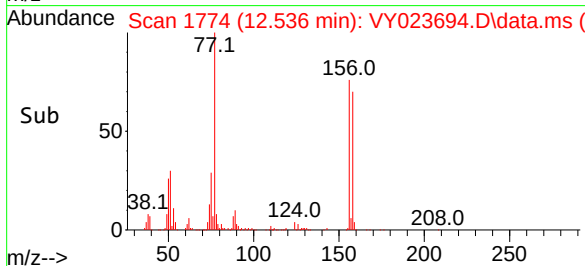
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



Tgt Ion: 156 Resp: 124250
Ion Ratio Lower Upper
156 100
77 165.1 77.9 233.7
158 96.2 48.5 145.5

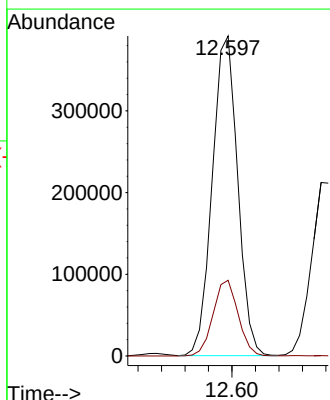
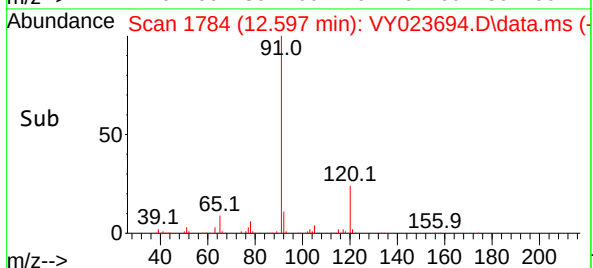
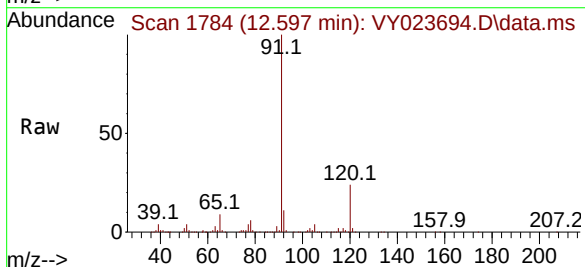
Manual Integrations
APPROVED

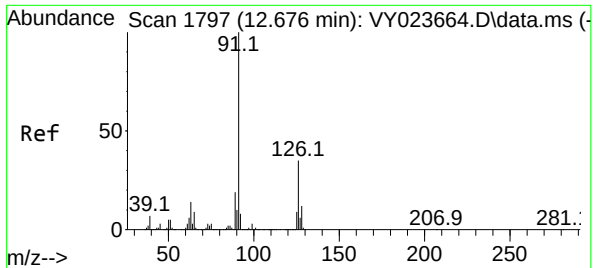
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#78
n-propylbenzene
Concen: 20.167 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Tgt Ion: 91 Resp: 587824
Ion Ratio Lower Upper
91 100
120 23.4 12.0 36.1





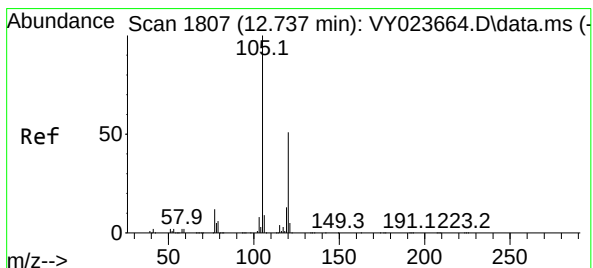
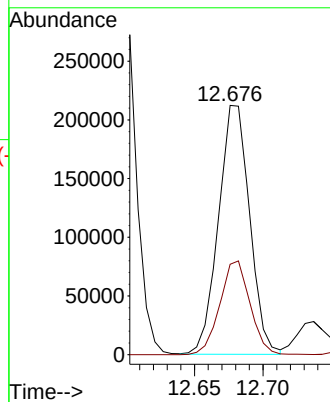
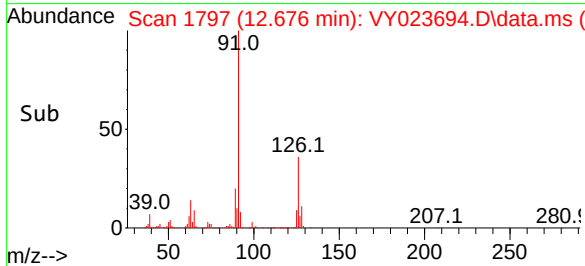
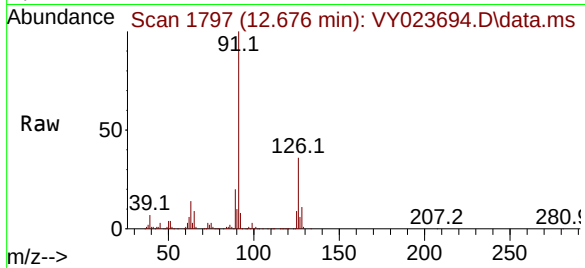
#79
2-Chlorotoluene
Concen: 19.871 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion: 91 Resp: 336090
Ion Ratio Lower Upper
91 100
126 36.5 18.0 54.0

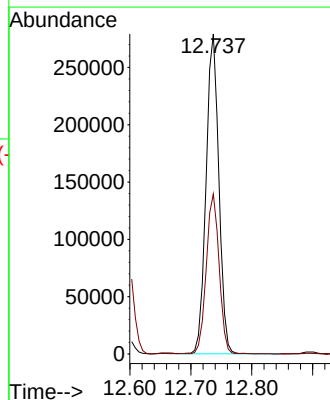
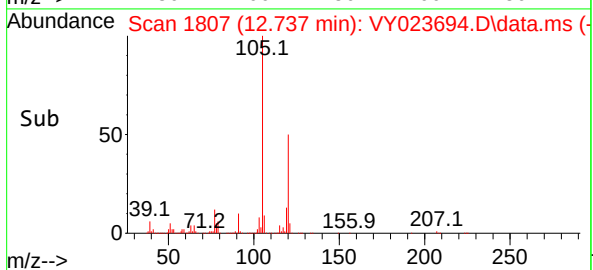
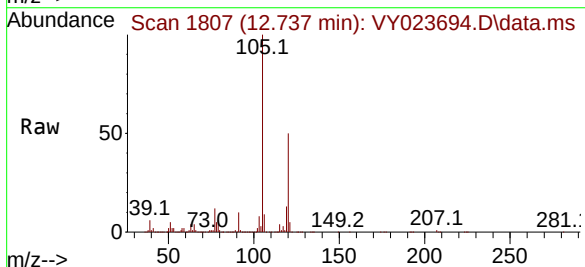
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APPROVED

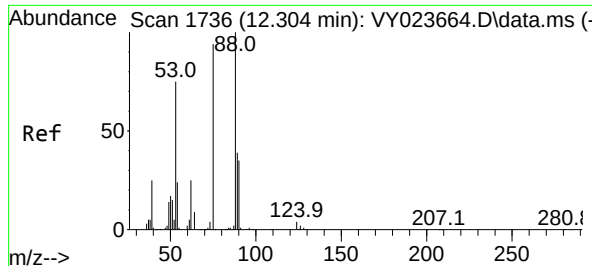
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.192 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

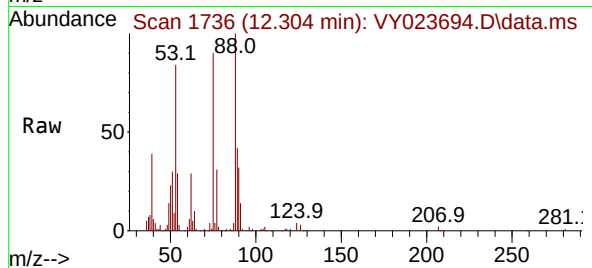
Tgt Ion:105 Resp: 406541
Ion Ratio Lower Upper
105 100
120 50.0 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 19.148 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

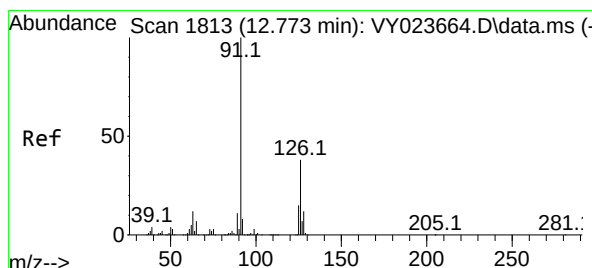
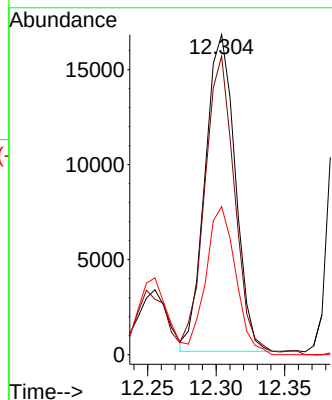
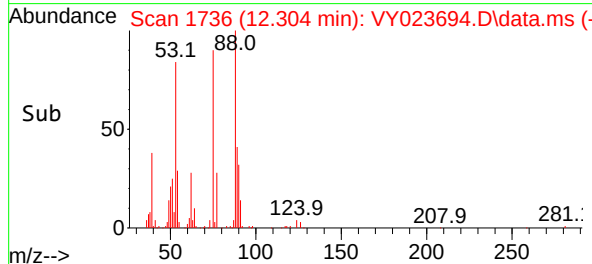
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



Tgt Ion: 75 Resp: 25400
Ion Ratio Lower Upper
75 100
53 94.9 69.6 104.4
89 46.0 38.2 57.4

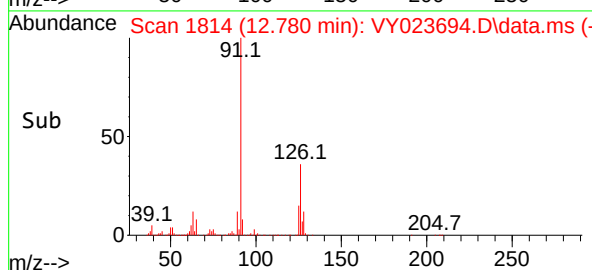
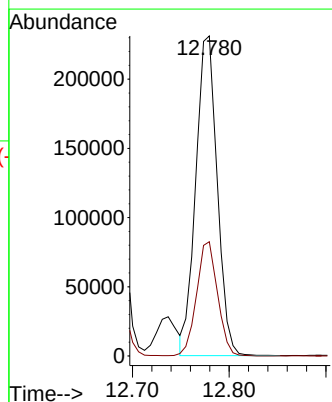
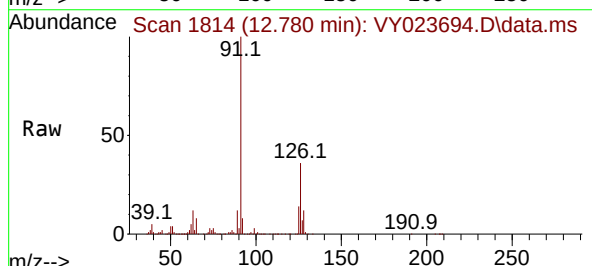
Manual Integrations
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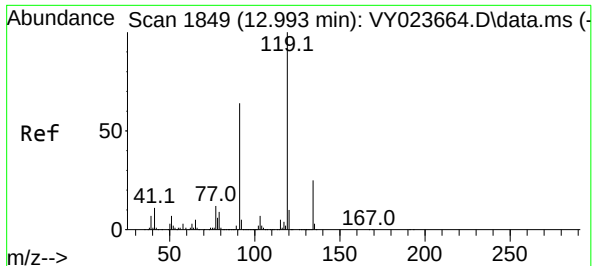
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#82
4-Chlorotoluene
Concen: 20.434 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Tgt Ion: 91 Resp: 356437
Ion Ratio Lower Upper
91 100
126 35.1 18.1 54.4





#83

tert-Butylbenzene

Concen: 19.507 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:119 Resp: 357699

Ion Ratio Lower Upper

119 100

91 61.8 30.7 92.1

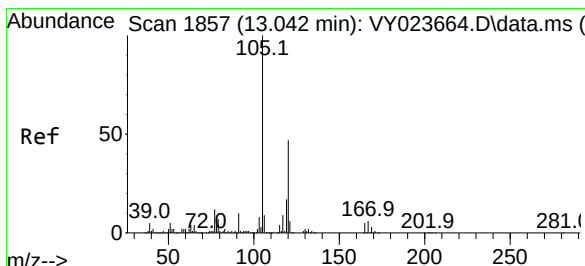
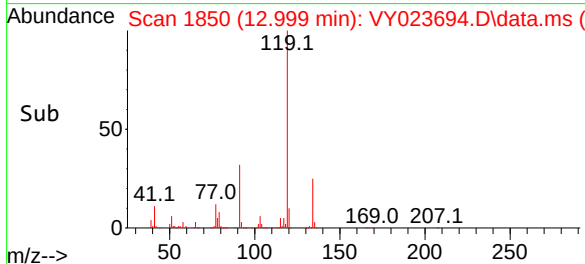
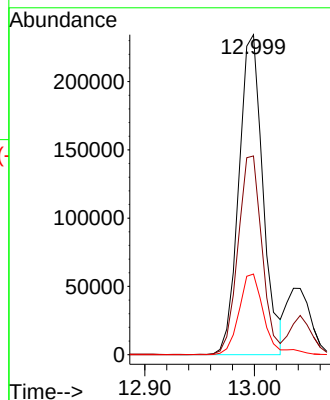
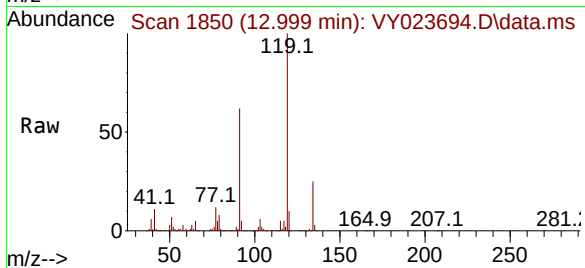
134 26.2 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.108 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY023694.D

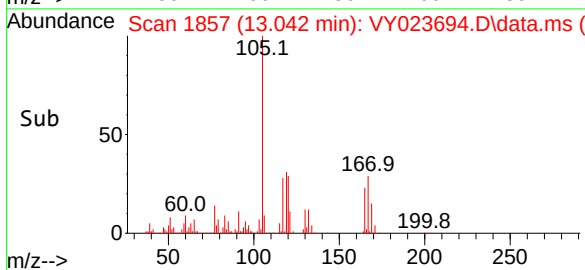
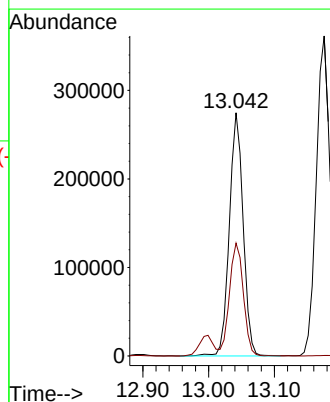
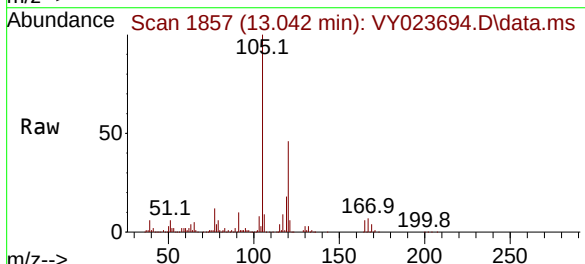
Acq: 06 Nov 2025 09:44

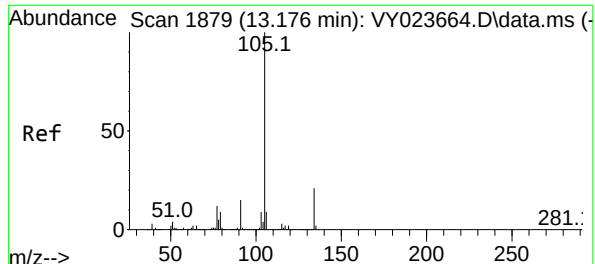
Tgt Ion:105 Resp: 400981

Ion Ratio Lower Upper

105 100

120 46.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 19.941 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:105 Resp: 527410

Ion Ratio Lower Upper

105 100

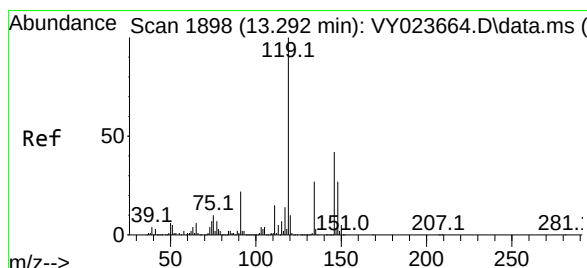
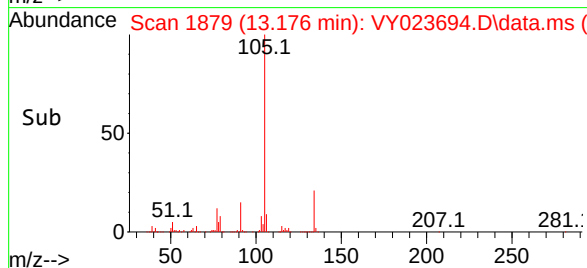
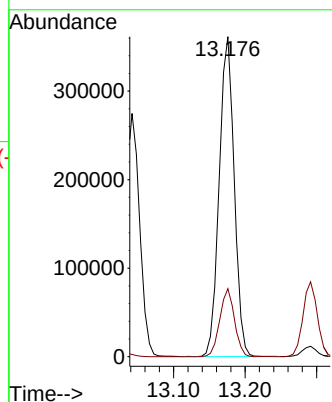
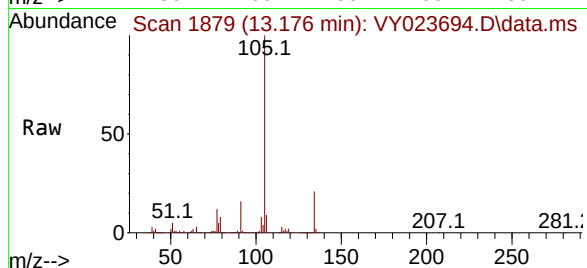
134 20.8 10.4 31.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#86

p-Isopropyltoluene

Concen: 19.713 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

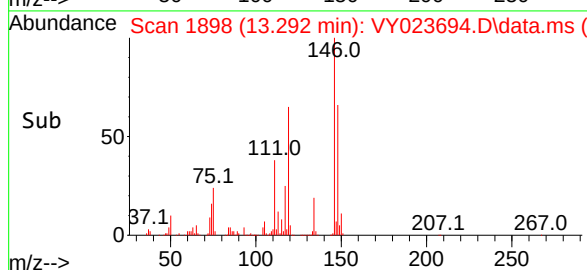
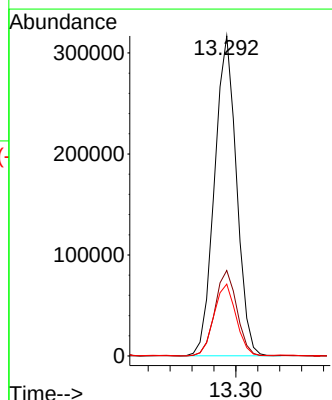
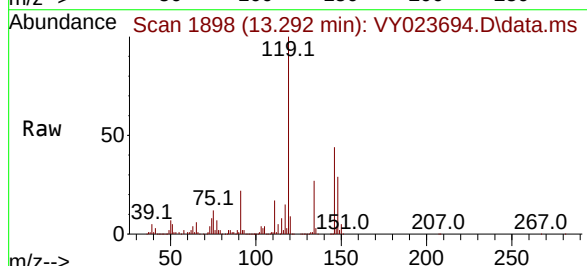
Tgt Ion:119 Resp: 441370

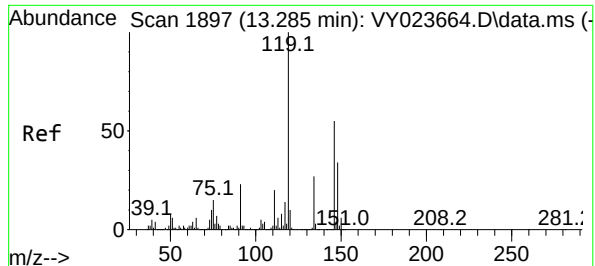
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.5 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 19.465 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:146 Resp: 246260

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.3

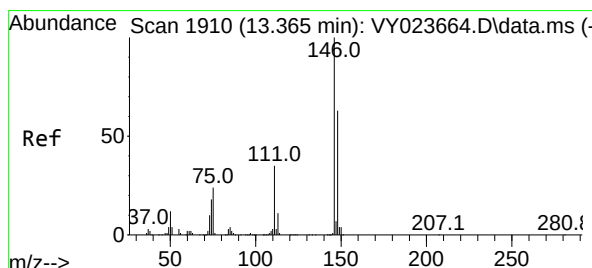
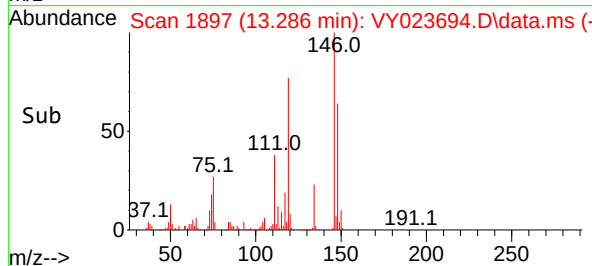
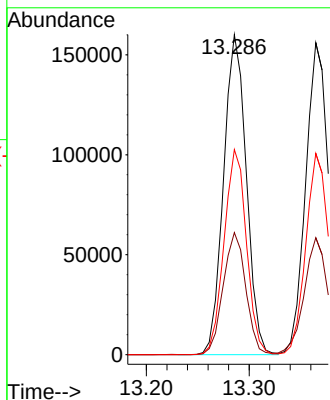
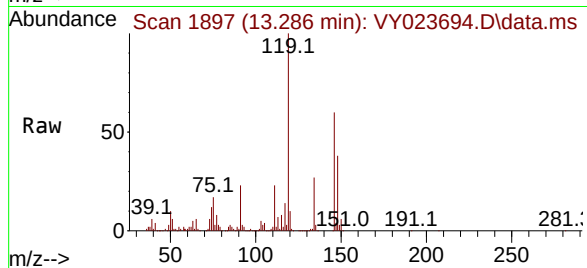
148 63.1 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#88

1,4-Dichlorobenzene

Concen: 19.444 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

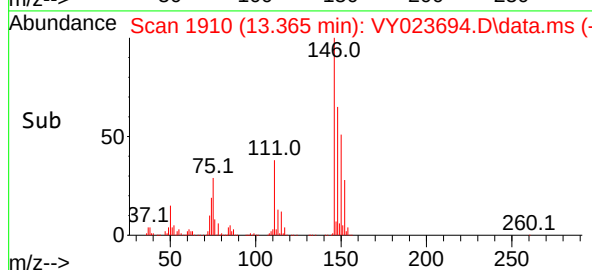
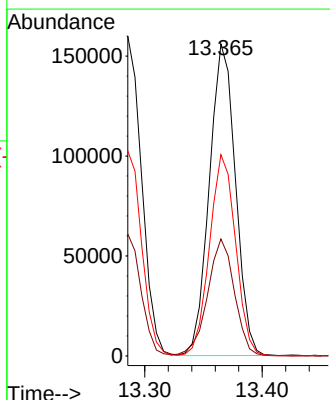
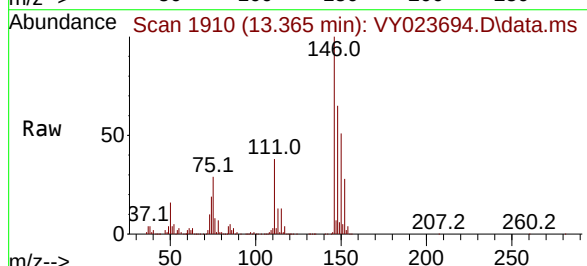
Tgt Ion:146 Resp: 241645

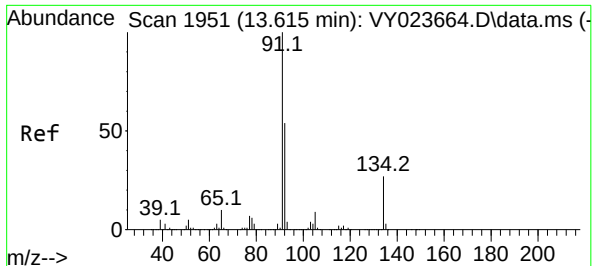
Ion Ratio Lower Upper

146 100

111 38.6 18.3 54.8

148 64.3 31.8 95.3





#89

n-Butylbenzene

Concen: 19.533 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 91 Resp: 380300

Ion Ratio Lower Upper

91 100

92 52.1 26.5 79.4

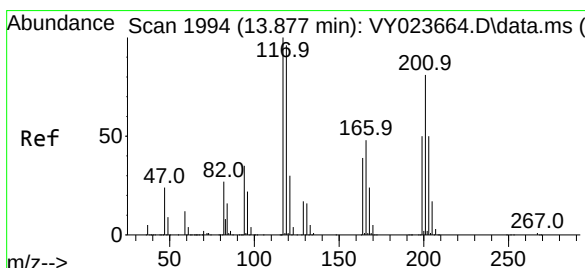
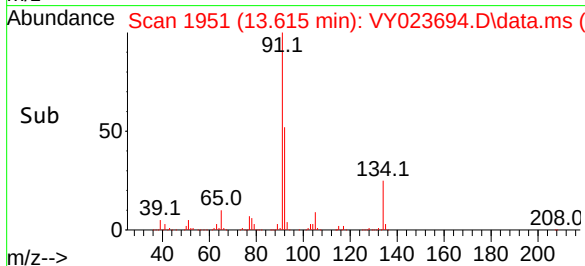
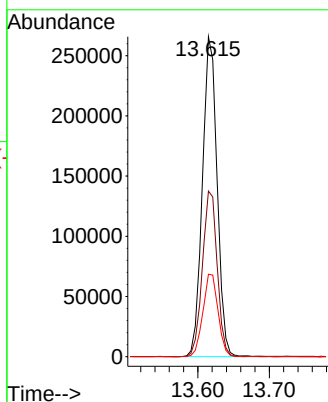
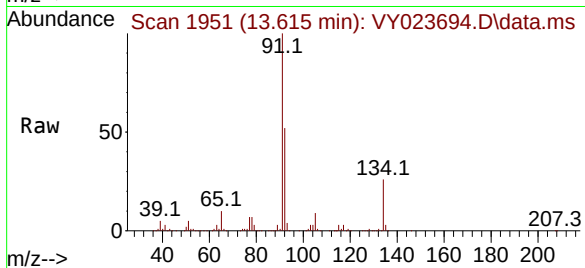
134 26.5 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#90

Hexachloroethane

Concen: 19.234 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023694.D

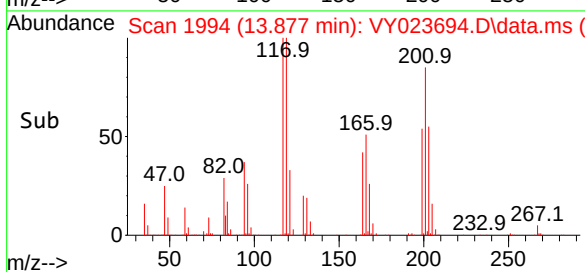
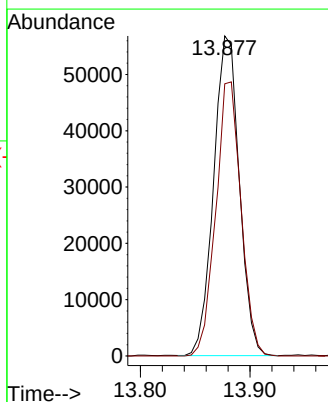
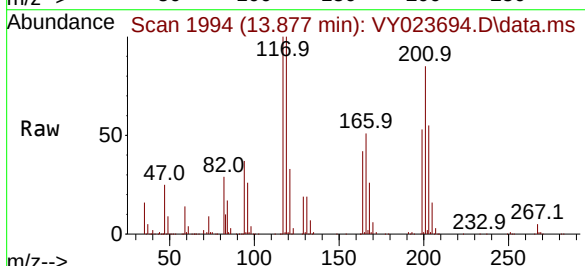
Acq: 06 Nov 2025 09:44

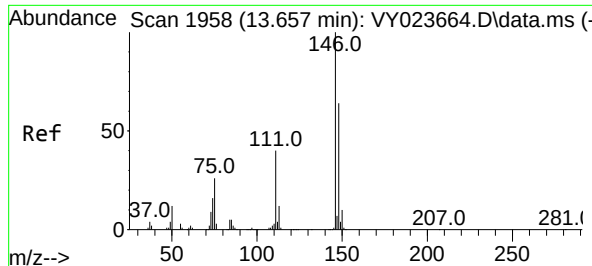
Tgt Ion:117 Resp: 92548

Ion Ratio Lower Upper

117 100

201 84.1 42.3 126.8





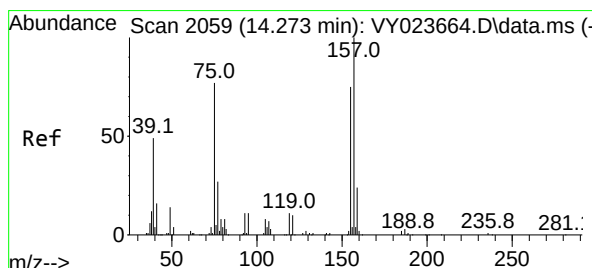
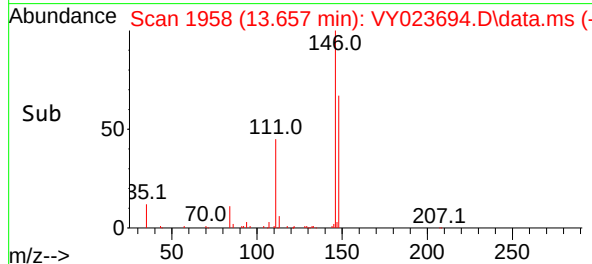
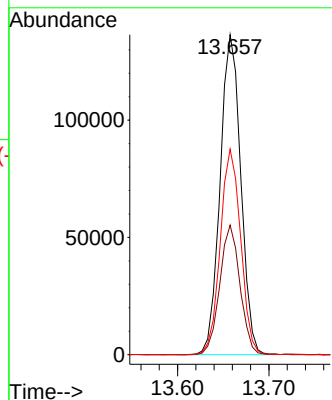
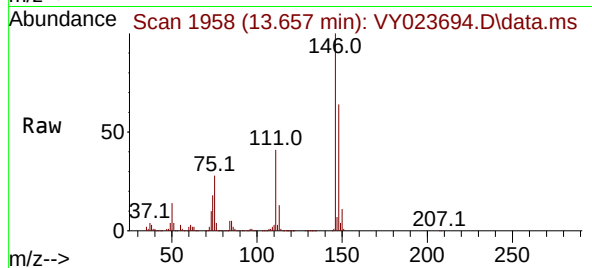
#91
1,2-Dichlorobenzene
Concen: 19.684 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion:146 Resp: 21461
Ion Ratio Lower Upper
146 100
111 39.7 19.5 58.5
148 63.4 31.9 95.9

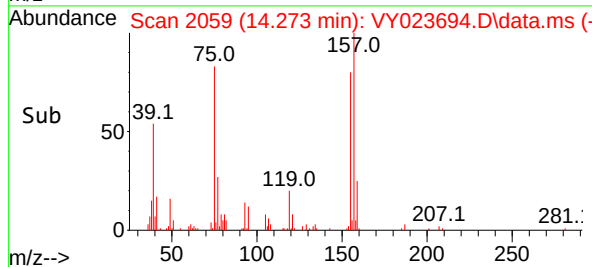
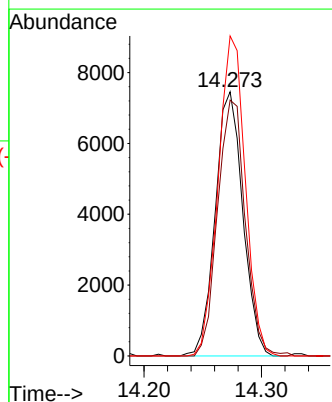
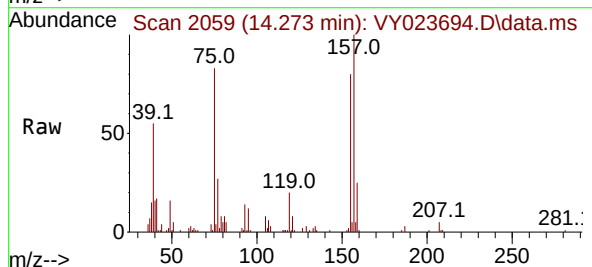
Manual Integrations
APPROVED

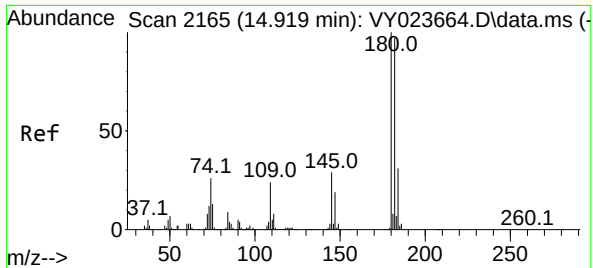
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.960 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY023694.D
Acq: 06 Nov 2025 09:44

Tgt Ion: 75 Resp: 12163
Ion Ratio Lower Upper
75 100
155 97.4 49.4 148.2
157 119.0 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 18.912 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:180 Resp: 11793

Ion Ratio Lower Upper

180 100

182 94.5 47.5 142.6

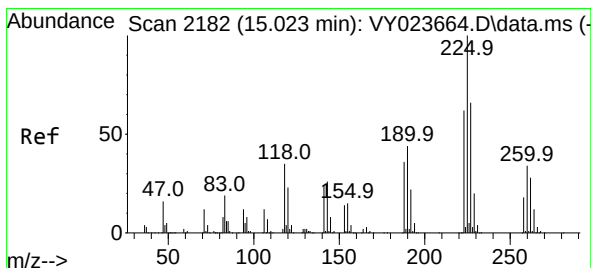
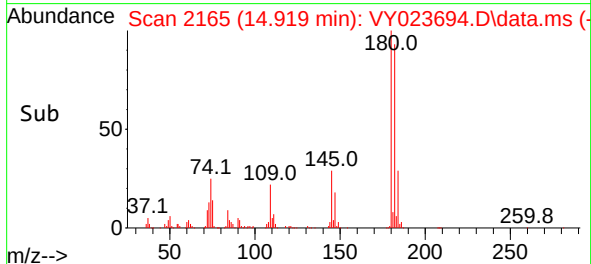
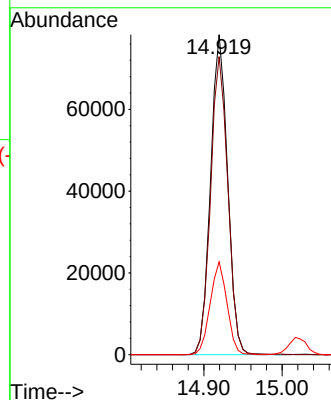
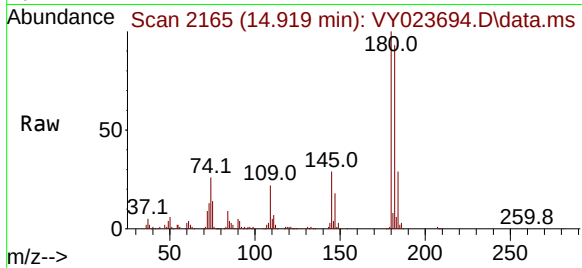
145 28.6 14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#94

Hexachlorobutadiene

Concen: 18.932 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

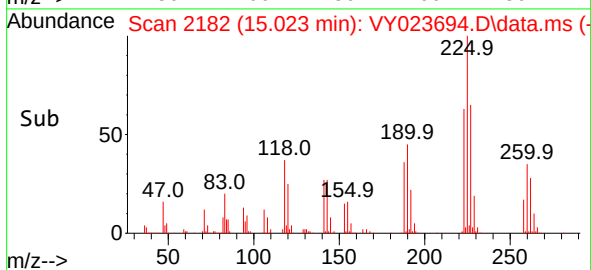
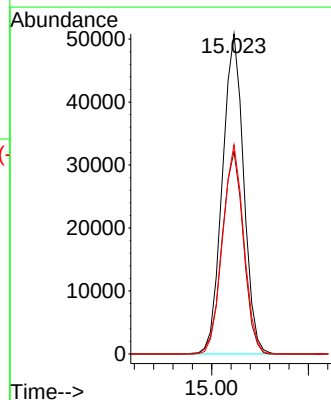
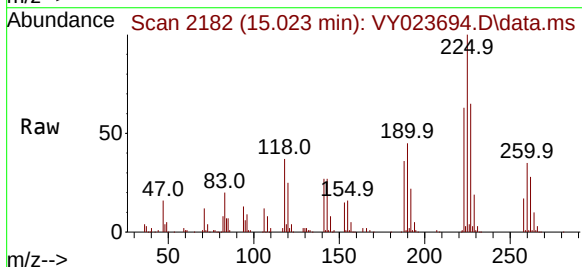
Tgt Ion:225 Resp: 77357

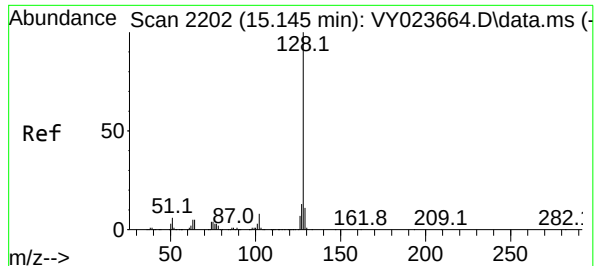
Ion Ratio Lower Upper

225 100

223 63.6 30.8 92.3

227 65.0 32.0 96.2





#95

Naphthalene

Concen: 19.242 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:128 Resp: 170340

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

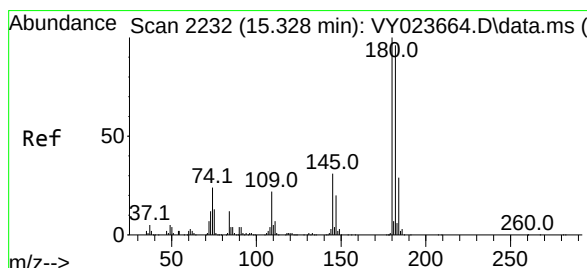
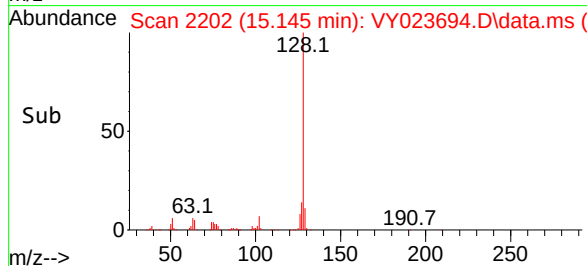
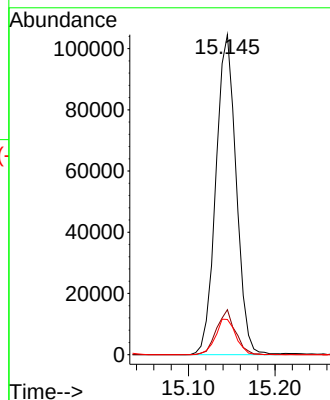
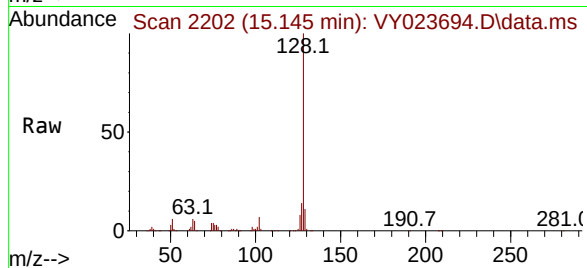
129 11.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.551 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023694.D

Acq: 06 Nov 2025 09:44

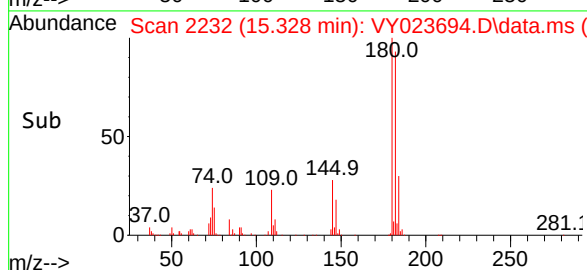
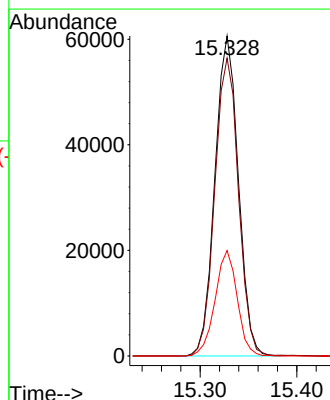
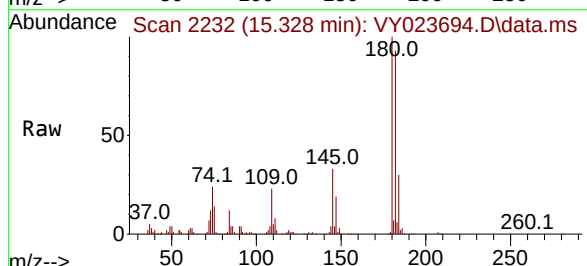
Tgt Ion:180 Resp: 101868

Ion Ratio Lower Upper

180 100

182 93.9 47.5 142.6

145 31.1 15.5 46.5



Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: VY1106SBSD01

Lab Sample ID: VY1106SBSD01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 g

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	22.5		1	1.10	5.00	ug/Kg	11/06/25 10:07	VY110625
74-87-3	Chloromethane	22.4		1	1.10	5.00	ug/Kg	11/06/25 10:07	VY110625
75-01-4	Vinyl Chloride	21.3		1	0.79	5.00	ug/Kg	11/06/25 10:07	VY110625
141-78-6	Ethyl Acetate	21.5		1	1.30	5.00	ug/Kg	11/06/25 10:07	VY110625
108-21-4	Isopropyl Acetate	21.5		1	0.91	5.00	ug/Kg	11/06/25 10:07	VY110625
74-83-9	Bromomethane	21.1		1	1.10	5.00	ug/Kg	11/06/25 10:07	VY110625
75-00-3	Chloroethane	21.4		1	1.30	5.00	ug/Kg	11/06/25 10:07	VY110625
109-99-9	Tetrahydrofuran	110		1	4.70	25.0	ug/Kg	11/06/25 10:07	VY110625
75-69-4	Trichlorofluoromethane	20.7		1	1.20	5.00	ug/Kg	11/06/25 10:07	VY110625
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1	1.10	5.00	ug/Kg	11/06/25 10:07	VY110625
75-65-0	Tert butyl alcohol	140		1	13.7	25.0	ug/Kg	11/06/25 10:07	VY110625
60-29-7	Diethyl Ether	21.7		1	0.77	5.00	ug/Kg	11/06/25 10:07	VY110625
75-35-4	1,1-Dichloroethene	20.6		1	1.00	5.00	ug/Kg	11/06/25 10:07	VY110625
107-02-8	Acrolein	110		1	8.80	25.0	ug/Kg	11/06/25 10:07	VY110625
107-13-1	Acrylonitrile	110		1	5.00	25.0	ug/Kg	11/06/25 10:07	VY110625
67-64-1	Acetone	120		1	4.70	25.0	ug/Kg	11/06/25 10:07	VY110625
75-15-0	Carbon Disulfide	21.5		1	1.10	5.00	ug/Kg	11/06/25 10:07	VY110625
1634-04-4	Methyl tert-butyl Ether	21.4		1	0.73	5.00	ug/Kg	11/06/25 10:07	VY110625
79-20-9	Methyl Acetate	21.3		1	1.50	5.00	ug/Kg	11/06/25 10:07	VY110625
75-09-2	Methylene Chloride	23.3		1	3.50	10.0	ug/Kg	11/06/25 10:07	VY110625
156-60-5	trans-1,2-Dichloroethene	20.8		1	0.86	5.00	ug/Kg	11/06/25 10:07	VY110625
108-05-4	Vinyl Acetate	110		1	4.90	25.0	ug/Kg	11/06/25 10:07	VY110625
75-34-3	1,1-Dichloroethane	21.3		1	0.80	5.00	ug/Kg	11/06/25 10:07	VY110625
110-82-7	Cyclohexane	21.1		1	0.79	5.00	ug/Kg	11/06/25 10:07	VY110625
78-93-3	2-Butanone	120		1	6.50	25.0	ug/Kg	11/06/25 10:07	VY110625
56-23-5	Carbon Tetrachloride	20.2		1	0.97	5.00	ug/Kg	11/06/25 10:07	VY110625
594-20-7	2,2-Dichloropropane	21.5		1	1.30	5.00	ug/Kg	11/06/25 10:07	VY110625
156-59-2	cis-1,2-Dichloroethene	21.3		1	0.75	5.00	ug/Kg	11/06/25 10:07	VY110625
74-97-5	Bromochloromethane	22.4		1	1.20	5.00	ug/Kg	11/06/25 10:07	VY110625
67-66-3	Chloroform	21.3		1	0.84	5.00	ug/Kg	11/06/25 10:07	VY110625
71-55-6	1,1,1-Trichloroethane	21.0		1	0.93	5.00	ug/Kg	11/06/25 10:07	VY110625
108-87-2	Methylcyclohexane	20.1		1	0.91	5.00	ug/Kg	11/06/25 10:07	VY110625
563-58-6	1,1-Dichloropropene	20.6		1	0.87	5.00	ug/Kg	11/06/25 10:07	VY110625
71-43-2	Benzene	21.2		1	0.79	5.00	ug/Kg	11/06/25 10:07	VY110625
107-06-2	1,2-Dichloroethane	21.4		1	0.79	5.00	ug/Kg	11/06/25 10:07	VY110625
79-01-6	Trichloroethene	20.6		1	0.81	5.00	ug/Kg	11/06/25 10:07	VY110625
78-87-5	1,2-Dichloropropane	21.3		1	0.91	5.00	ug/Kg	11/06/25 10:07	VY110625
74-95-3	Dibromomethane	21.1		1	0.89	5.00	ug/Kg	11/06/25 10:07	VY110625
75-27-4	Bromodichloromethane	21.3		1	0.78	5.00	ug/Kg	11/06/25 10:07	VY110625
108-10-1	4-Methyl-2-Pentanone	110		1	3.60	25.0	ug/Kg	11/06/25 10:07	VY110625
80-62-6	Methyl methacrylate	20.8		1	0.74	5.00	ug/Kg	11/06/25 10:07	VY110625
108-88-3	Toluene	21.1		1	0.78	5.00	ug/Kg	11/06/25 10:07	VY110625
10061-02-6	t-1,3-Dichloropropene	21.3		1	0.65	5.00	ug/Kg	11/06/25 10:07	VY110625



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

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: VY1106SBSD01

Lab Sample ID: VY1106SBSD01

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
10061-01-5	cis-1,3-Dichloropropene	21.0		1	0.62	5.00	ug/Kg	11/06/25 10:07	VY110625
79-00-5	1,1,2-Trichloroethane	21.3		1	0.92	5.00	ug/Kg	11/06/25 10:07	VY110625
142-28-9	1,3-Dichloropropane	21.5		1	0.68	5.00	ug/Kg	11/06/25 10:07	VY110625
110-75-8	2-Chloroethyl Vinyl ether	100		1	3.80	25.0	ug/Kg	11/06/25 10:07	VY110625
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	11/06/25 10:07	VY110625
124-48-1	Dibromochloromethane	20.6		1	0.87	5.00	ug/Kg	11/06/25 10:07	VY110625
106-93-4	1,2-Dibromoethane	21.3		1	0.88	5.00	ug/Kg	11/06/25 10:07	VY110625
127-18-4	Tetrachloroethene	20.1		1	1.10	5.00	ug/Kg	11/06/25 10:07	VY110625
108-90-7	Chlorobenzene	20.4		1	0.91	5.00	ug/Kg	11/06/25 10:07	VY110625
630-20-6	1,1,1,2-Tetrachloroethane	20.5		1	0.77	5.00	ug/Kg	11/06/25 10:07	VY110625
67-72-1	Hexachloroethane	20.6		1	1.10	5.00	ug/Kg	11/06/25 10:07	VY110625
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	11/06/25 10:07	VY110625
179601-23-1	m/p-Xylenes	41.2		1	1.20	10.0	ug/Kg	11/06/25 10:07	VY110625
1330-20-7	Total Xylenes	61.3		1	2.02	15.0	ug/Kg	11/06/25 10:07	VY110625
95-47-6	o-Xylene	20.1		1	0.82	5.00	ug/Kg	11/06/25 10:07	VY110625
100-42-5	Styrene	20.6		1	0.71	5.00	ug/Kg	11/06/25 10:07	VY110625
75-25-2	Bromoform	21.0		1	0.86	5.00	ug/Kg	11/06/25 10:07	VY110625
98-82-8	Isopropylbenzene	20.4		1	0.78	5.00	ug/Kg	11/06/25 10:07	VY110625
79-34-5	1,1,2,2-Tetrachloroethane	21.6		1	1.20	5.00	ug/Kg	11/06/25 10:07	VY110625
96-18-4	1,2,3-Trichloropropane	20.8		1	1.20	5.00	ug/Kg	11/06/25 10:07	VY110625
108-86-1	Bromobenzene	20.5		1	1.20	5.00	ug/Kg	11/06/25 10:07	VY110625
103-65-1	n-propylbenzene	20.9		1	0.73	5.00	ug/Kg	11/06/25 10:07	VY110625
95-49-8	2-Chlorotoluene	20.7		1	0.68	5.00	ug/Kg	11/06/25 10:07	VY110625
108-67-8	1,3,5-Trimethylbenzene	20.9		1	0.82	5.00	ug/Kg	11/06/25 10:07	VY110625
106-43-4	4-Chlorotoluene	20.9		1	1.20	5.00	ug/Kg	11/06/25 10:07	VY110625
98-06-6	tert-Butylbenzene	19.9		1	0.67	5.00	ug/Kg	11/06/25 10:07	VY110625
95-63-6	1,2,4-Trimethylbenzene	21.1		1	0.64	5.00	ug/Kg	11/06/25 10:07	VY110625
135-98-8	sec-Butylbenzene	20.4		1	0.66	5.00	ug/Kg	11/06/25 10:07	VY110625
99-87-6	p-Isopropyltoluene	20.4		1	0.62	5.00	ug/Kg	11/06/25 10:07	VY110625
541-73-1	1,3-Dichlorobenzene	20.5		1	1.70	5.00	ug/Kg	11/06/25 10:07	VY110625
106-46-7	1,4-Dichlorobenzene	20.4		1	1.60	5.00	ug/Kg	11/06/25 10:07	VY110625
104-51-8	n-Butylbenzene	20.4		1	1.50	5.00	ug/Kg	11/06/25 10:07	VY110625
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	5.00	ug/Kg	11/06/25 10:07	VY110625
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		1	1.80	5.00	ug/Kg	11/06/25 10:07	VY110625
120-82-1	1,2,4-Trichlorobenzene	20.4		1	3.00	5.00	ug/Kg	11/06/25 10:07	VY110625
87-68-3	Hexachlorobutadiene	20.0		1	1.90	5.00	ug/Kg	11/06/25 10:07	VY110625
91-20-3	Naphthalene	20.5		1	2.60	5.00	ug/Kg	11/06/25 10:07	VY110625
87-61-6	1,2,3-Trichlorobenzene	20.7		1	3.20	5.00	ug/Kg	11/06/25 10:07	VY110625
628-63-7	N-amyl acetate	20.7		1	0.97	5.00	ug/Kg	11/06/25 10:07	VY110625
74-88-4	Methyl Iodide	19.6		1	0.91	5.00	ug/Kg	11/06/25 10:07	VY110625
107-05-1	Allyl chloride	22.0		1	0.78	5.00	ug/Kg	11/06/25 10:07	VY110625
110-57-6	trans-1,4-Dichloro-2-butene	20.9		1	1.10	5.00	ug/Kg	11/06/25 10:07	VY110625
126-98-7	Methacrylonitrile	17.8		1	1.80	5.00	ug/Kg	11/06/25 10:07	VY110625

Report of Analysis

Client: Alliance Technical Group, LLC - Newark

Project: NJ Soil PT

Client Sample ID: VY1106SBSD01

Lab Sample ID: VY1106SBSD01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 g

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
108-20-3	Diisopropyl ether	22.5		1	0.55	5.00	ug/Kg	11/06/25 10:07	VY110625
123-91-1	1,4-Dioxane	420		1	48.1	100	ug/Kg	11/06/25 10:07	VY110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	51.9			63 - 155	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.4			70 - 134	101%	SPK: 50		
2037-26-5	Toluene-d8	51.5			74 - 123	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.7			17 - 146	103%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.4			70 - 134	101%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	531000							
540-36-3	1,4-Difluorobenzene	804000							
3114-55-4	Chlorobenzene-d5	709000							
3855-82-1	1,4-Dichlorobenzene-d4	362000							

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\VY110625\
 Data File : VY023695.D
 Acq On : 06 Nov 2025 10:07
 Operator : SY/MD
 Sample : VY1106SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:13:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	530734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	804208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	708727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	361529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	234984	51.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.800%			
35) Dibromofluoromethane	7.634	113	253337	50.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.820%			
50) Toluene-d8	10.109	98	964970	51.544	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.080%			
62) 4-Bromofluorobenzene	12.402	95	312769	51.661	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78458	22.520	ug/l	98
3) Chloromethane	2.074	50	109141	22.387	ug/l	100
4) Vinyl Chloride	2.208	62	135422	21.347	ug/l	100
5) Bromomethane	2.592	94	112682	21.116	ug/l	97
6) Chloroethane	2.733	64	93765	21.385	ug/l	99
7) Trichlorofluoromethane	3.056	101	185249	20.734	ug/l	97
8) Diethyl Ether	3.458	74	51931	21.675	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	102854	20.894	ug/l	99
10) Methyl Iodide	4.007	142	113826	19.582	ug/l	99
11) Tert butyl alcohol	4.860	59	40479	138.666	ug/l	95
12) 1,1-Dichloroethene	3.793	96	97751	20.614	ug/l	97
13) Acrolein	3.653	56	42259	112.629	ug/l	97
14) Allyl chloride	4.391	41	127122	22.025	ug/l	97
15) Acrylonitrile	5.061	53	103876	113.448	ug/l	98
16) Acetone	3.867	43	134251	119.299	ug/l	98
17) Carbon Disulfide	4.110	76	312454	21.469	ug/l	99
18) Methyl Acetate	4.385	43	52814	21.278	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	235388	21.408	ug/l	100
20) Methylene Chloride	4.616	84	126676	23.318	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	110973	20.756	ug/l	97
22) Diisopropyl ether	6.019	45	289564	22.515	ug/l	95
23) Vinyl Acetate	5.964	43	782248	113.978	ug/l	99
24) 1,1-Dichloroethane	5.921	63	182165	21.262	ug/l	99
25) 2-Butanone	6.896	43	154418	118.684	ug/l	99
26) 2,2-Dichloropropane	6.884	77	169719	21.535	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	129935	21.279	ug/l	98
28) Bromochloromethane	7.244	49	73608	22.438	ug/l	93
29) Tetrahydrofuran	7.268	42	78433	113.192	ug/l	97
30) Chloroform	7.421	83	203557	21.294	ug/l	98
31) Cyclohexane	7.707	56	157653	21.129	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	179510	21.010	ug/l	100
36) 1,1-Dichloropropene	7.835	75	138622	20.641	ug/l	98
37) Ethyl Acetate	6.988	43	55918	21.509	ug/l	99
38) Carbon Tetrachloride	7.823	117	159996	20.220	ug/l	98
39) Methylcyclohexane	9.110	83	172371	20.088	ug/l	96
40) Benzene	8.079	78	449187	21.220	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023695.D
 Acq On : 06 Nov 2025 10:07
 Operator : SY/MD
 Sample : VY1106SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:13:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	25249	17.792	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	114582	21.395	ug/l	100
43) Isopropyl Acetate	8.201	43	105103	21.516	ug/l	97
44) Trichloroethene	8.866	130	125077	20.572	ug/l	97
45) 1,2-Dichloropropane	9.140	63	99344	21.264	ug/l	100
46) Dibromomethane	9.231	93	60952	21.056	ug/l	98
47) Bromodichloromethane	9.427	83	155359	21.287	ug/l	96
48) Methyl methacrylate	9.225	41	47946	20.775	ug/l	97
49) 1,4-Dioxane	9.231	88	12557	423.874	ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	285374	109.854	ug/l	100
52) Toluene	10.170	92	284543	21.054	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	131571	21.306	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	155558	21.025	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	82465	21.317	ug/l	98
56) Ethyl methacrylate	10.439	69	87872	20.616	ug/l	99
57) 1,3-Dichloropropane	10.719	76	131721	21.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	199771	102.140	ug/l	98
59) 2-Hexanone	10.762	43	217163	114.583	ug/l	98
60) Dibromochloromethane	10.908	129	109270	20.558	ug/l	99
61) 1,2-Dibromoethane	11.012	107	77170	21.256	ug/l	98
64) Tetrachloroethene	10.646	164	147935	20.054	ug/l	98
65) Chlorobenzene	11.444	112	314254	20.368	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	111820	20.496	ug/l	99
67) Ethyl Benzene	11.518	91	512468	20.522	ug/l	98
68) m/p-Xylenes	11.627	106	411043	41.199	ug/l	98
69) o-Xylene	11.957	106	185795	20.146	ug/l	96
70) Styrene	11.969	104	313455	20.599	ug/l	99
71) Bromoform	12.133	173	66762	20.952	ug/l #	99
73) Isopropylbenzene	12.255	105	492540	20.370	ug/l	99
74) N-amyl acetate	12.066	43	84670	20.683	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	83292	21.568	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	60991m	20.845	ug/l	
77) Bromobenzene	12.530	156	128267	20.451	ug/l	97
78) n-propylbenzene	12.591	91	593032	20.851	ug/l	100
79) 2-Chlorotoluene	12.676	91	341687	20.703	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	411072	20.924	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	27099	20.931	ug/l	99
82) 4-Chlorotoluene	12.773	91	354923	20.852	ug/l	99
83) tert-Butylbenzene	12.993	119	355748	19.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	409701	21.055	ug/l	100
85) sec-Butylbenzene	13.176	105	526700	20.409	ug/l	100
86) p-Isopropyltoluene	13.292	119	446213	20.424	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	253116	20.504	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	247228	20.388	ug/l	98
89) n-Butylbenzene	13.615	91	387010	20.371	ug/l	100
90) Hexachloroethane	13.877	117	96893	20.638	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	218487	20.537	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12395	20.846	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	124045	20.385	ug/l	99
94) Hexachlorobutadiene	15.023	225	79566	19.956	ug/l	99
95) Naphthalene	15.145	128	181092	20.493	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	105148	20.682	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
Data File : VY023695.D
Acq On : 06 Nov 2025 10:07
Operator : SY/MD
Sample : VY1106SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:13:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

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

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

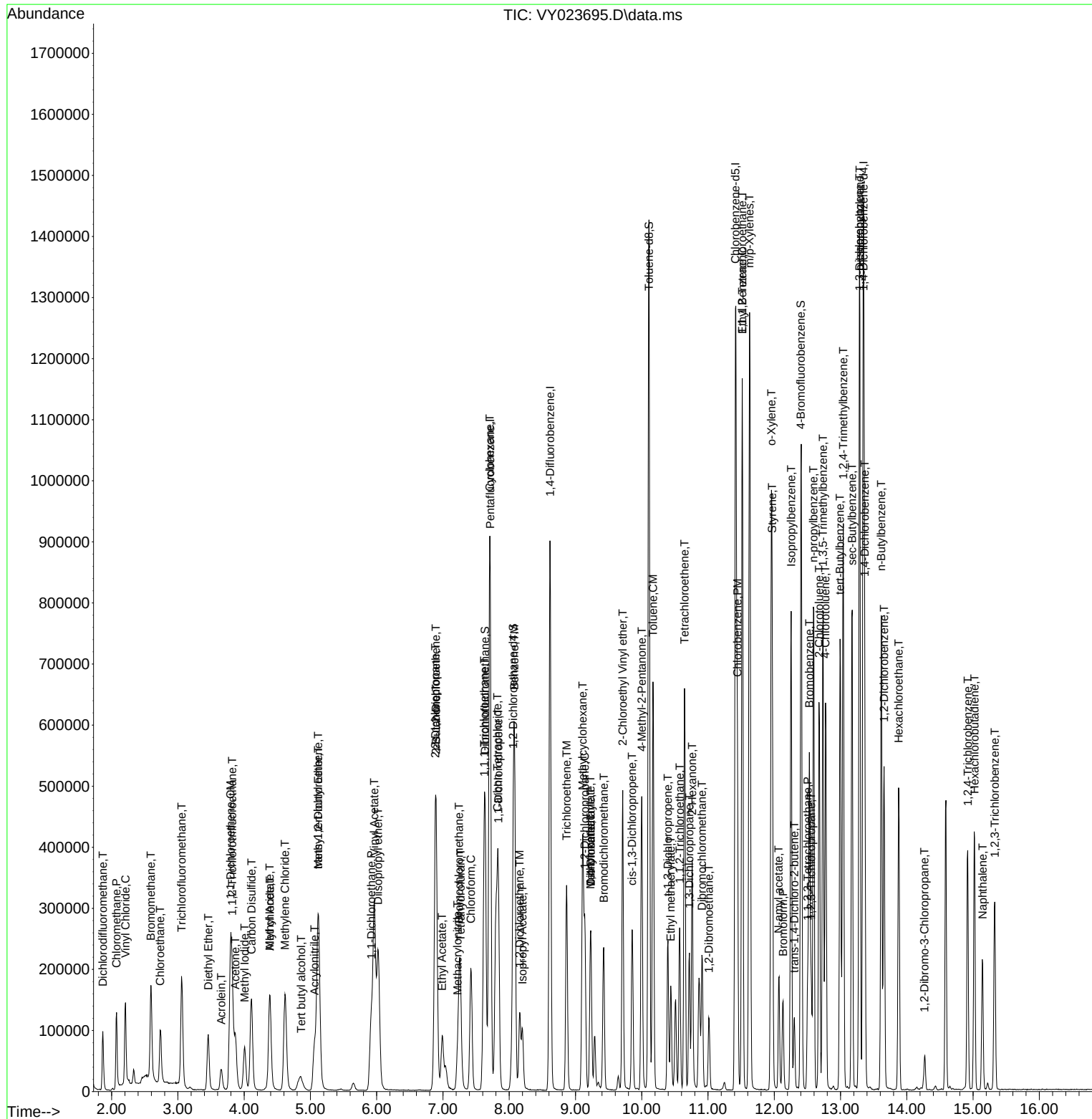
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Acq On : 06 Nov 2025 10:07
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Sample : VY1106SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/soil
ALS Vial : 5 Sample Multiplier: 1

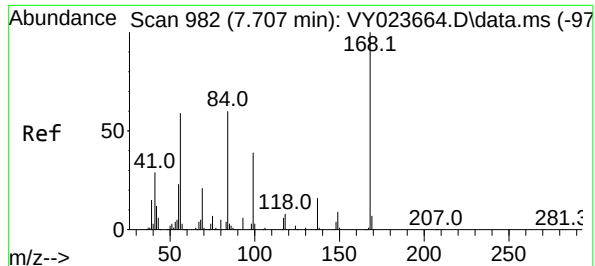
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MSVOA_Y
ClientSampleId :
VY1106SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:13:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y1104255.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration





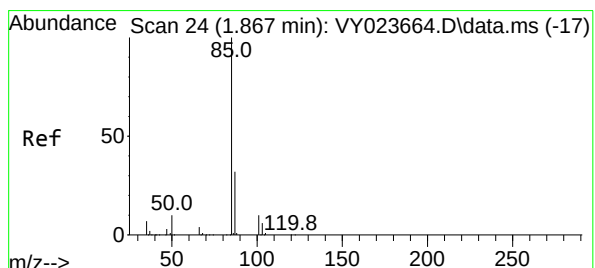
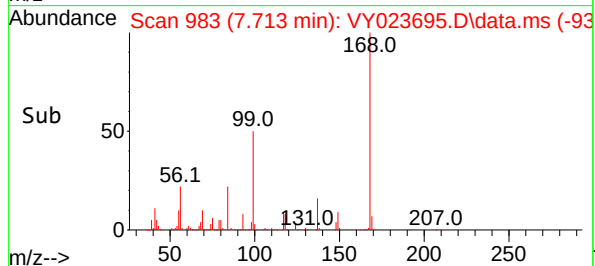
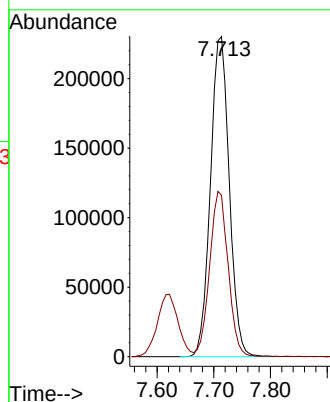
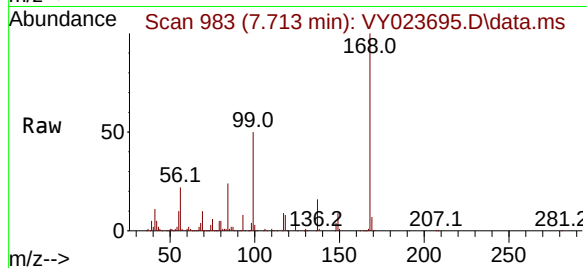
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBSD01

Tgt Ion:168 Resp: 530734
Ion Ratio Lower Upper
168 100
99 50.4 41.0 61.4

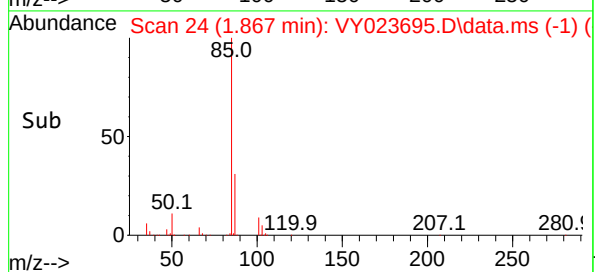
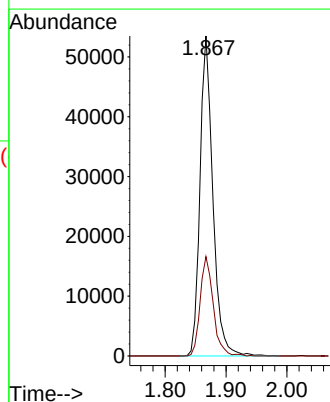
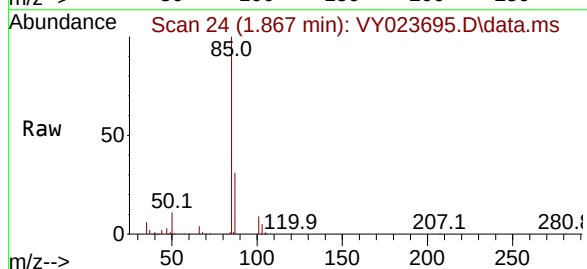
Manual Integrations
APPROVED

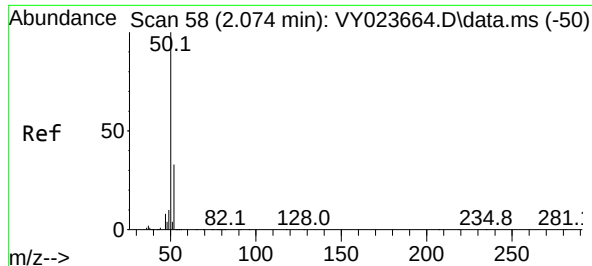
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#2
Dichlorodifluoromethane
Concen: 22.520 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

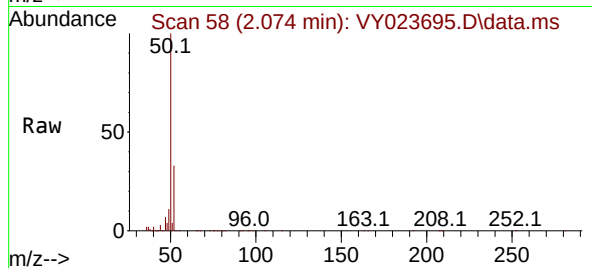
Tgt Ion: 85 Resp: 78458
Ion Ratio Lower Upper
85 100
87 31.1 16.2 48.6





#3
Chloromethane
Concen: 22.387 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

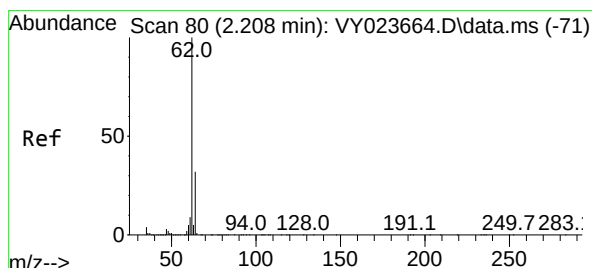
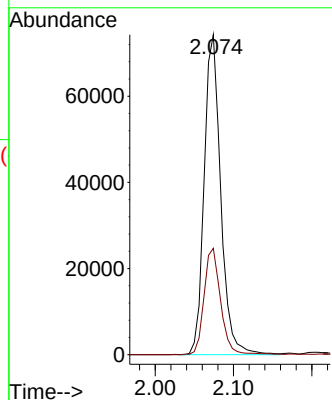
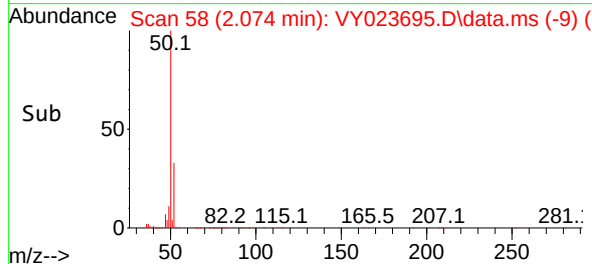
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



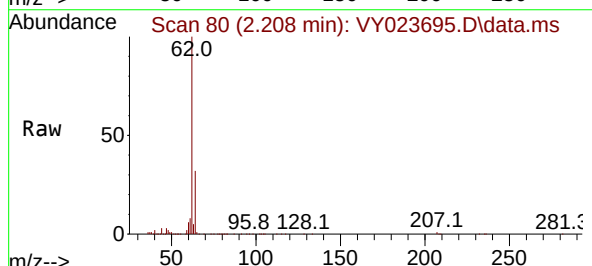
Tgt Ion: 50 Resp: 10914
Ion Ratio Lower Upper
50 100
52 33.2 26.5 39.7

Manual Integrations
APPROVED

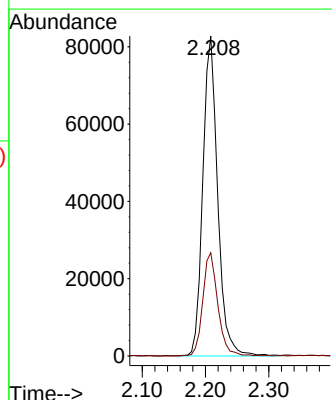
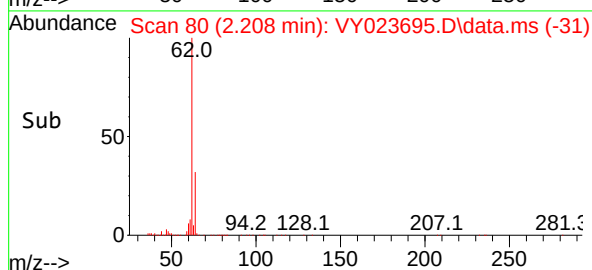
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

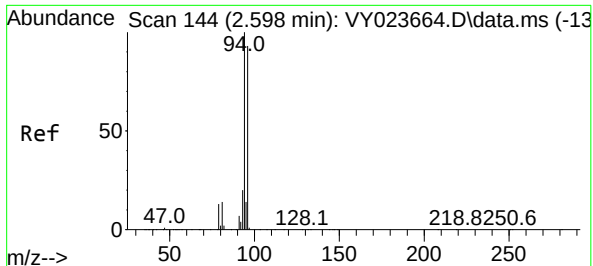


#4
Vinyl Chloride
Concen: 21.347 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



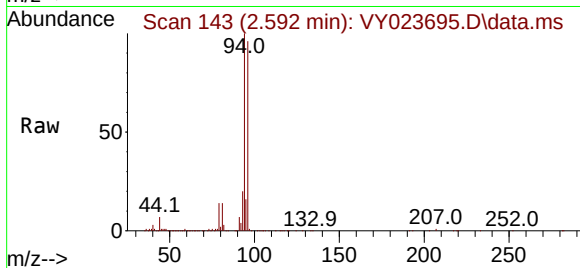
Tgt Ion: 62 Resp: 135422
Ion Ratio Lower Upper
62 100
64 32.2 25.7 38.5





#5
Bromomethane
Concen: 21.116 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

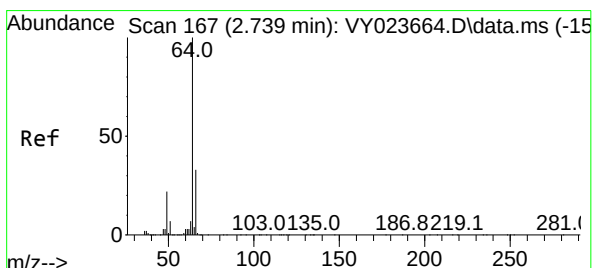
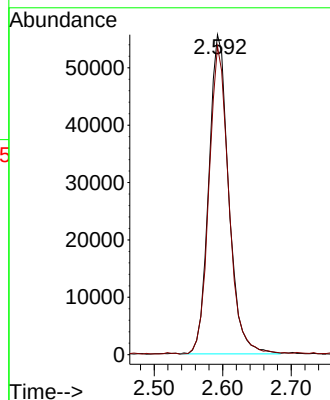
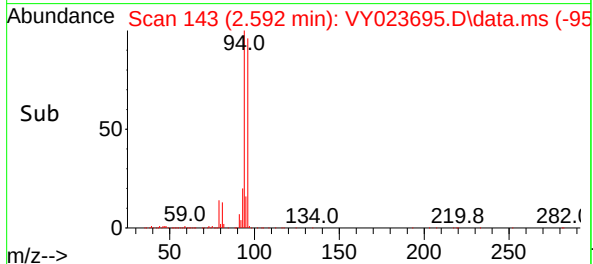
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



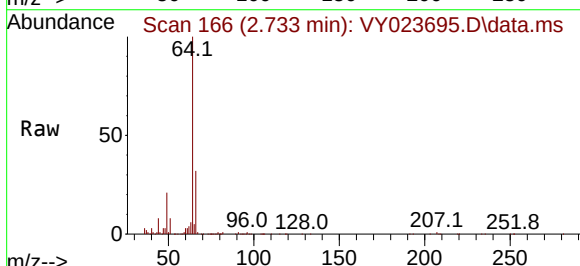
Tgt Ion: 94 Resp: 112682
Ion Ratio Lower Upper
94 100
96 96.2 74.4 111.6

Manual Integrations
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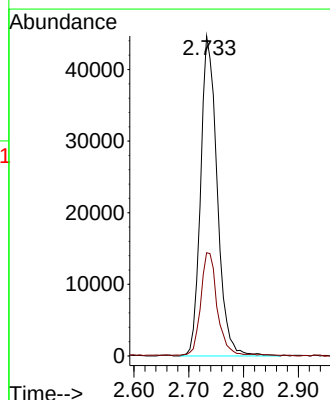
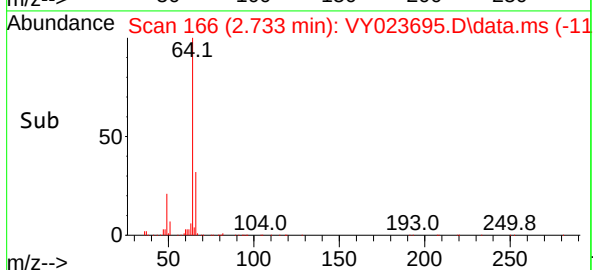
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

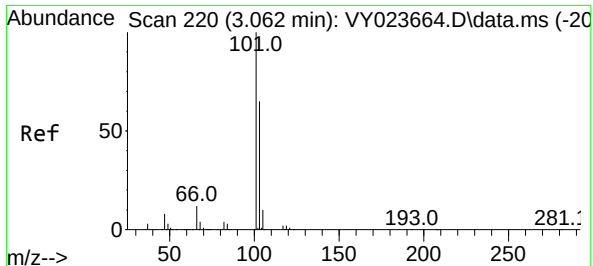


#6
Chloroethane
Concen: 21.385 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



Tgt Ion: 64 Resp: 93765
Ion Ratio Lower Upper
64 100
66 32.0 26.2 39.4





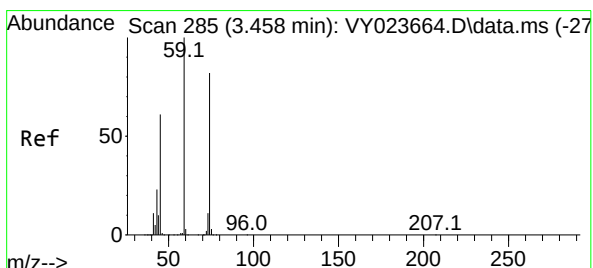
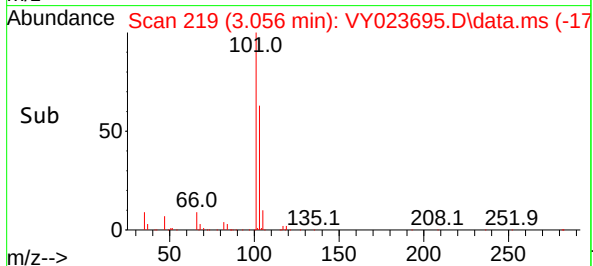
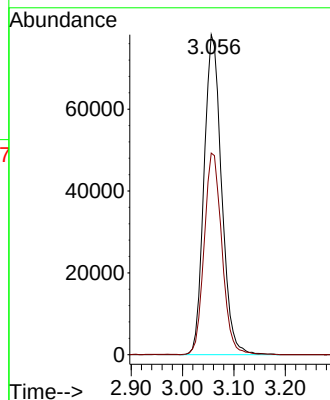
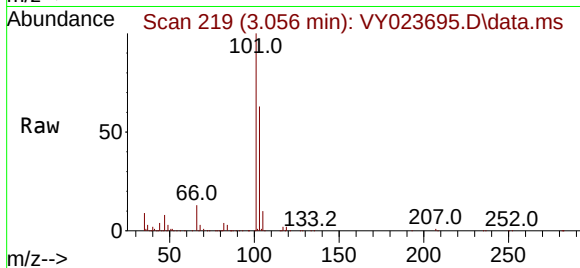
#7
Trichlorofluoromethane
Concen: 20.734 ug/l
RT: 3.056 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion:101 Resp: 185249
Ion Ratio Lower Upper
101 100
103 63.0 52.1 78.1

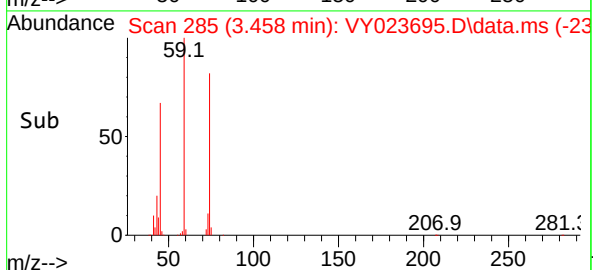
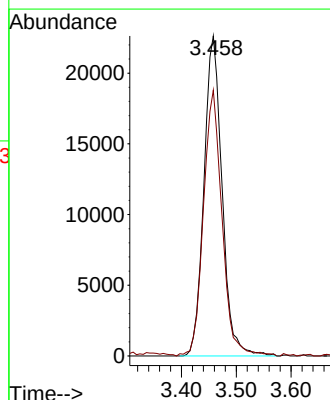
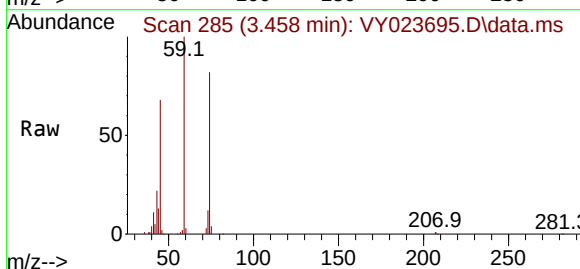
Manual Integrations
APPROVED

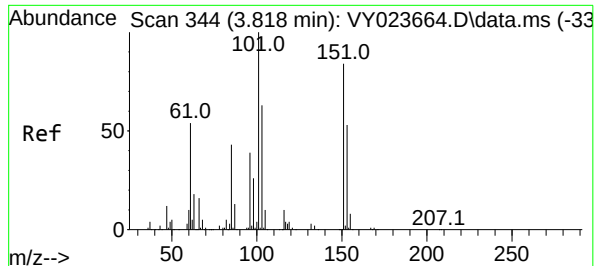
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#8
Diethyl Ether
Concen: 21.675 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Tgt Ion: 74 Resp: 51931
Ion Ratio Lower Upper
74 100
45 85.3 40.6 121.7





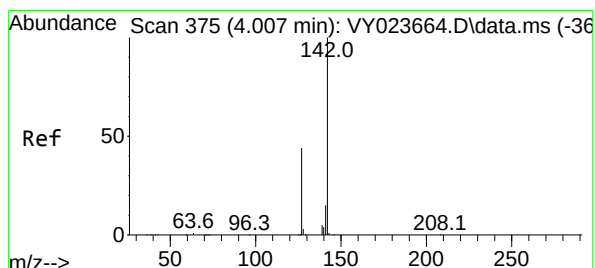
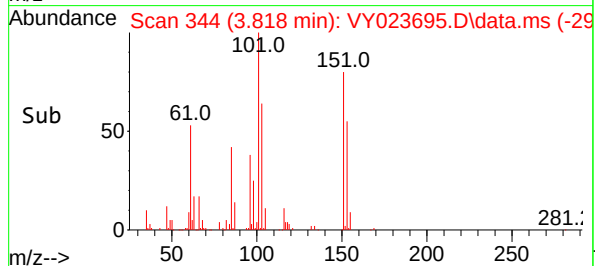
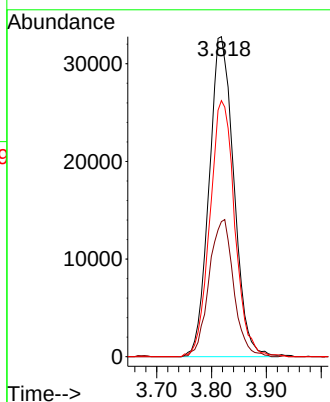
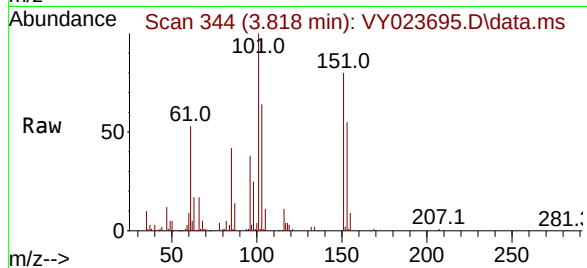
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1,1,2-Trichlorotrifluoroethane
Concen: 20.894 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion:101 Resp: 102854
Ion Ratio Lower Upper
101 100
85 42.6 34.4 51.6
151 80.5 65.6 98.4

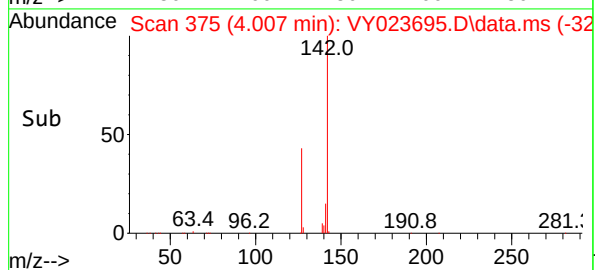
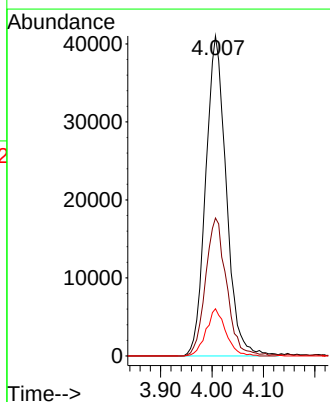
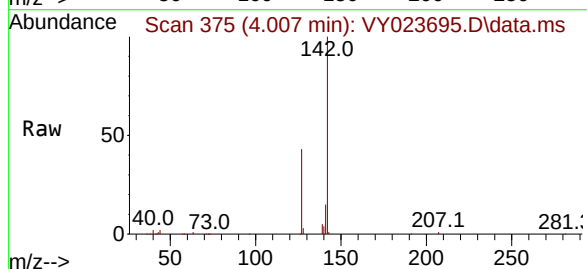
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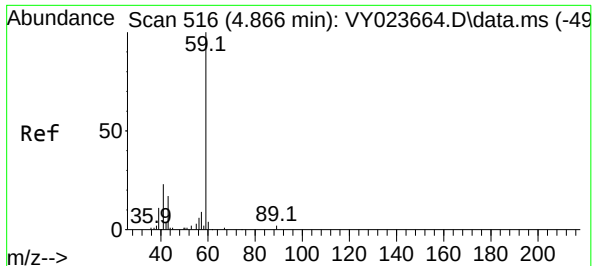
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#10
Methyl Iodide
Concen: 19.582 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Tgt Ion:142 Resp: 113826
Ion Ratio Lower Upper
142 100
127 44.1 34.6 51.8
141 14.1 11.6 17.4





#11

Tert butyl alcohol

Concen: 138.666 ug/l

RT: 4.860 min Scan# 516

Delta R.T. -0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 59 Resp: 40479

Ion Ratio Lower Upper

59 100

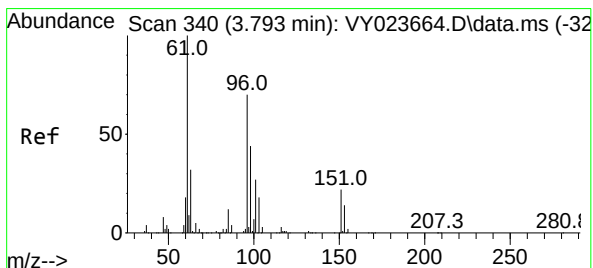
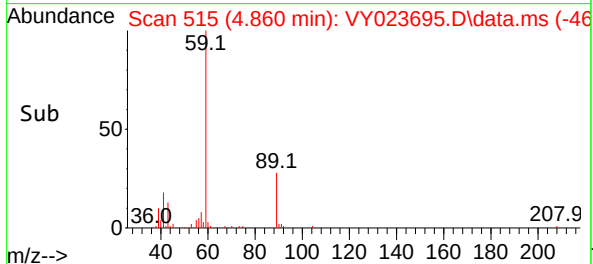
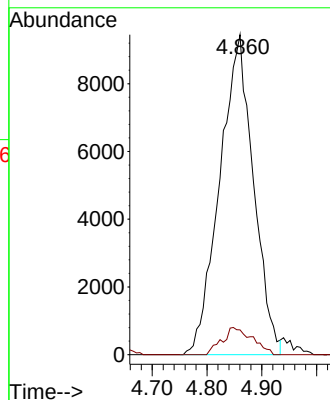
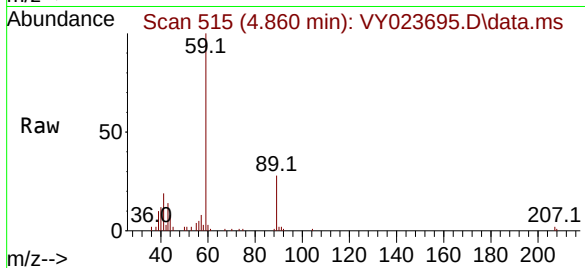
57 7.6 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#12

1,1-Dichloroethene

Concen: 20.614 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

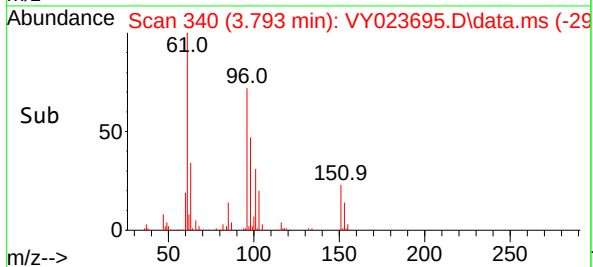
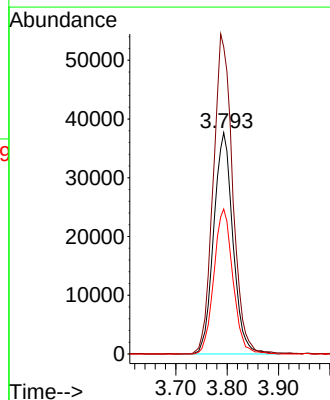
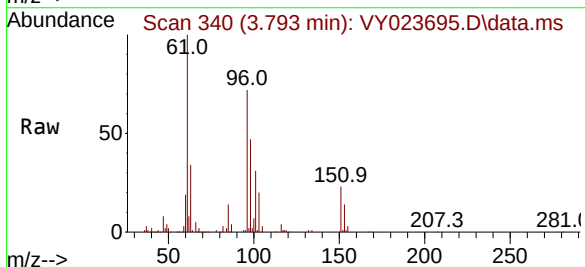
Tgt Ion: 96 Resp: 97751

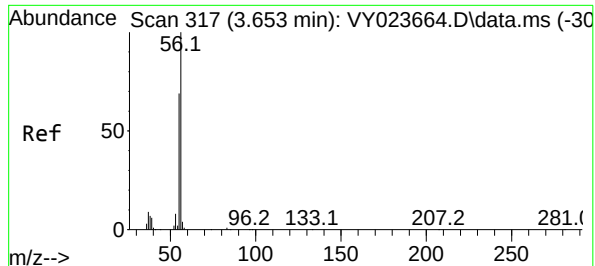
Ion Ratio Lower Upper

96 100

61 138.7 114.0 171.0

98 65.5 50.2 75.2





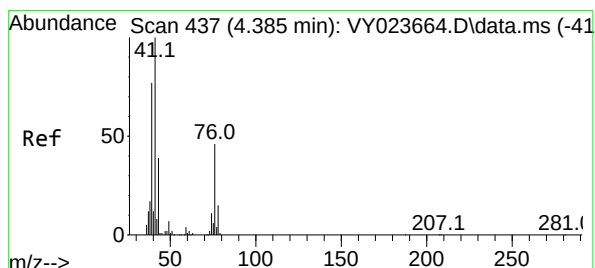
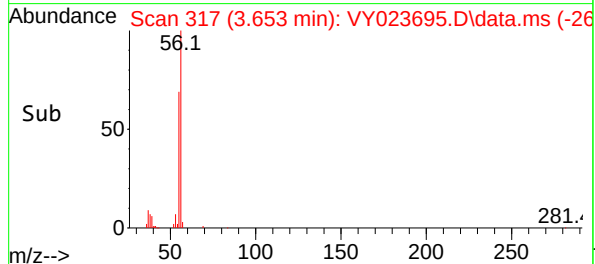
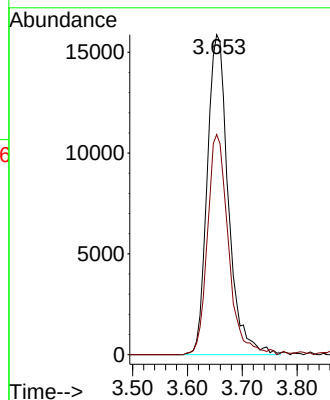
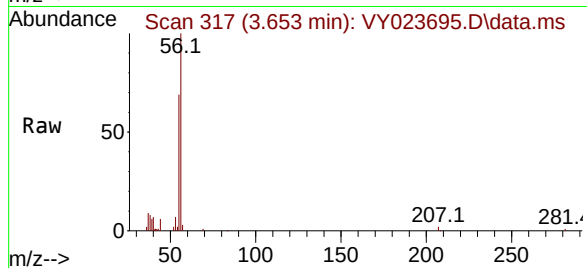
#13
Acrolein
Concen: 112.629 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion: 56 Resp: 42259
Ion Ratio Lower Upper
56 100
55 68.5 56.6 84.8

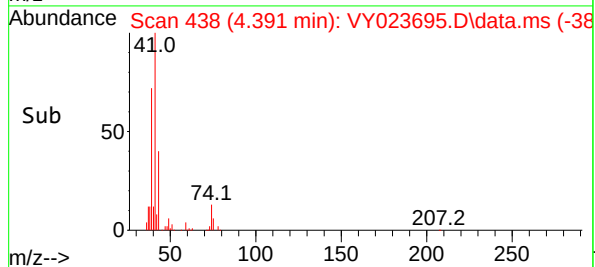
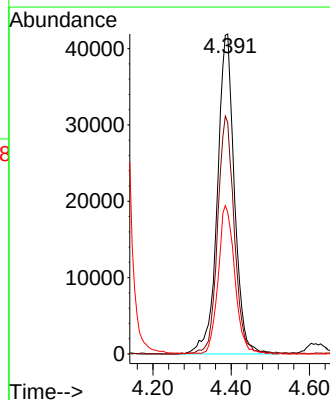
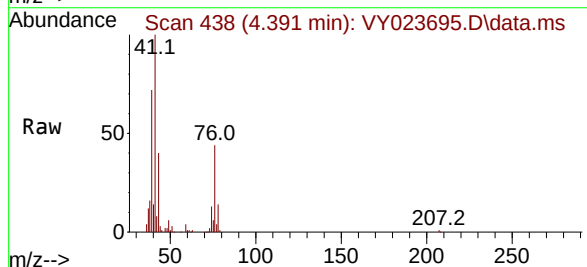
Manual Integrations
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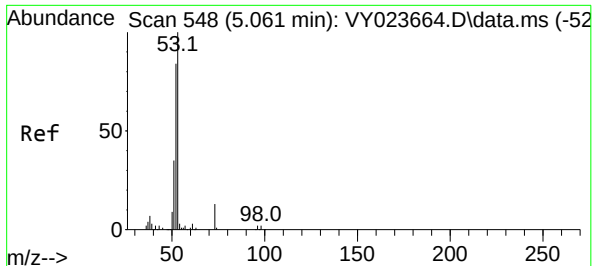
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#14
Allyl chloride
Concen: 22.025 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

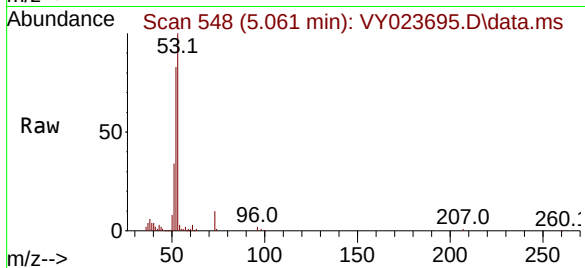
Tgt Ion: 41 Resp: 127122
Ion Ratio Lower Upper
41 100
39 72.5 60.4 90.6
76 45.2 38.0 57.0





#15
Acrylonitrile
Concen: 113.448 ug/l
RT: 5.061 min Scan# 548
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

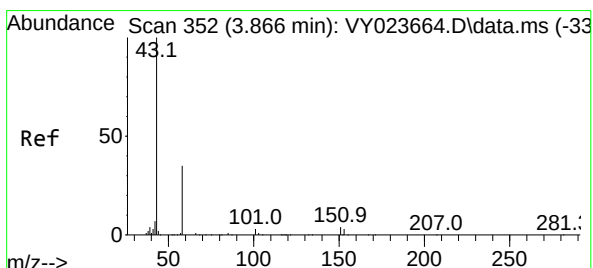
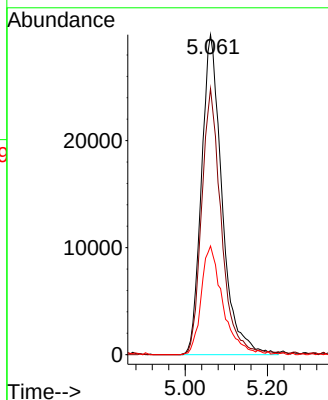
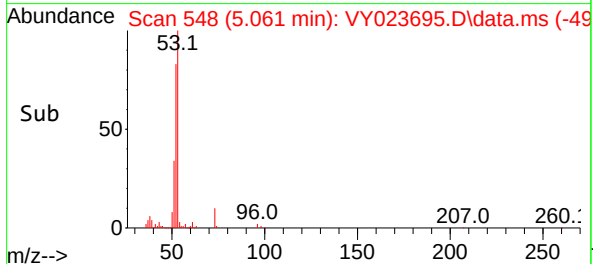
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



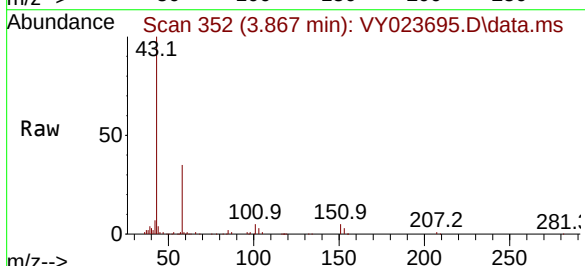
Tgt Ion: 53 Resp: 103870
Ion Ratio Lower Upper
53 100
52 79.8 64.9 97.3
51 35.3 29.4 44.0

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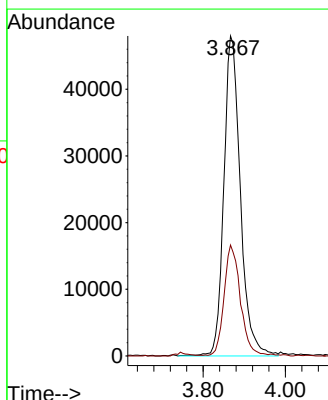
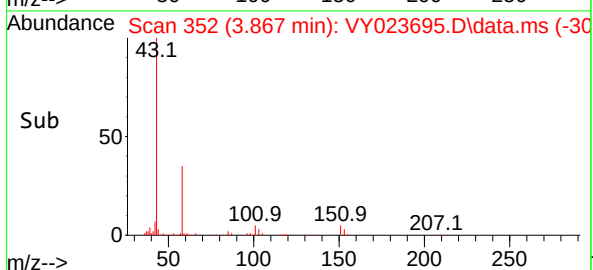
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

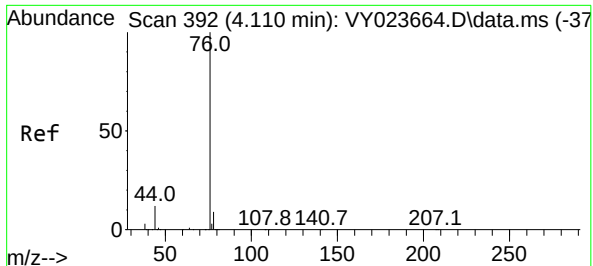


#16
Acetone
Concen: 119.299 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



Tgt Ion: 43 Resp: 134251
Ion Ratio Lower Upper
43 100
58 34.3 28.2 42.4





#17

Carbon Disulfide

Concen: 21.469 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 76 Resp: 312454

Ion Ratio Lower Upper

76 100

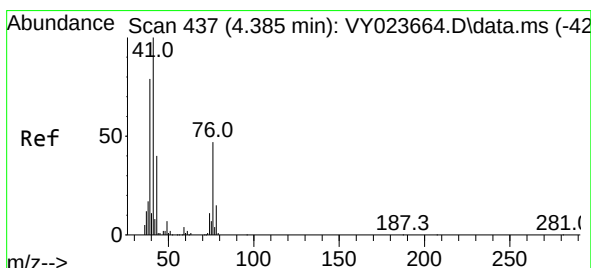
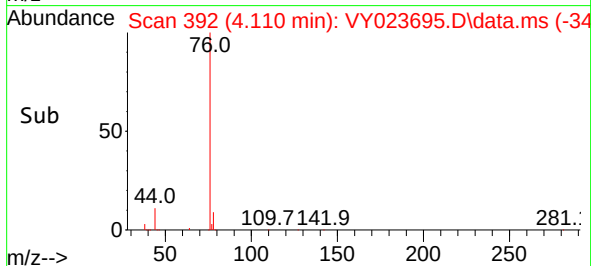
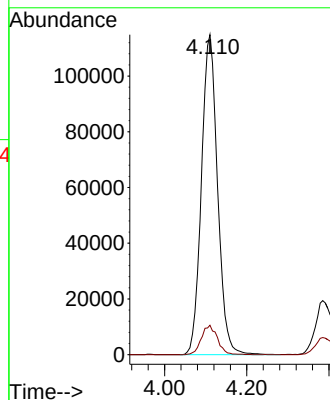
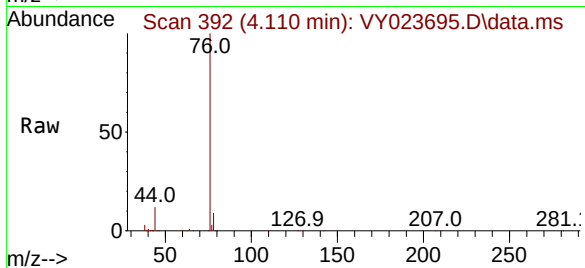
78 9.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#18

Methyl Acetate

Concen: 21.278 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY023695.D

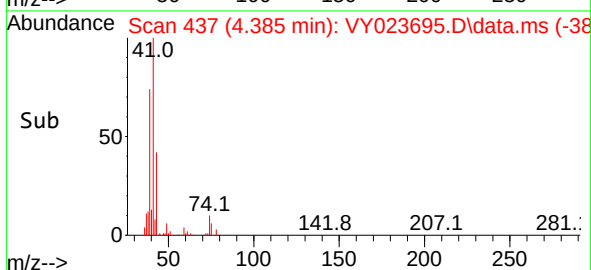
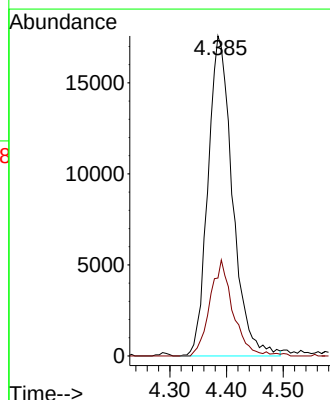
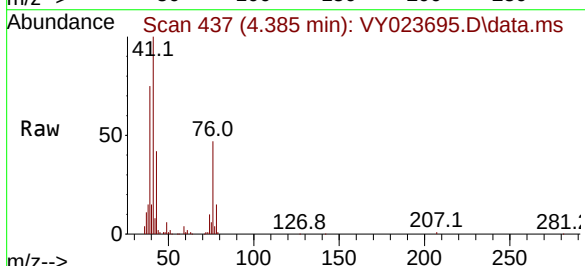
Acq: 06 Nov 2025 10:07

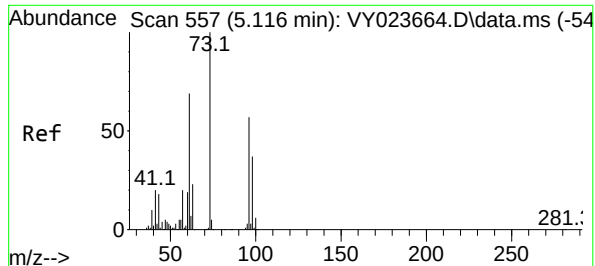
Tgt Ion: 43 Resp: 52814

Ion Ratio Lower Upper

43 100

74 27.7 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 21.408 ug/l

RT: 5.116 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 73 Resp: 23538

Ion Ratio Lower Upper

73 100

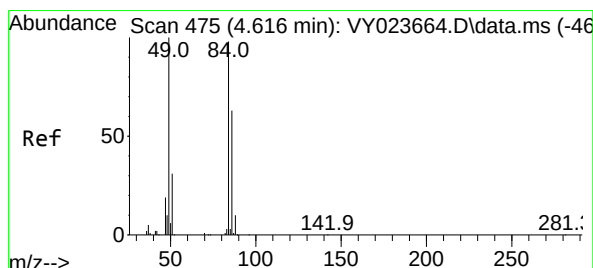
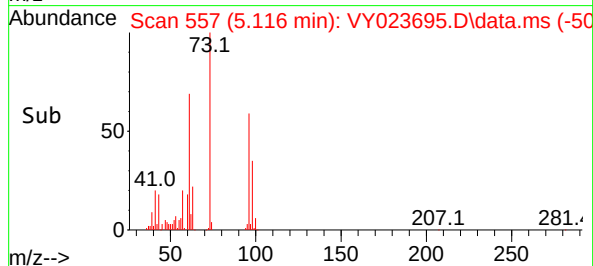
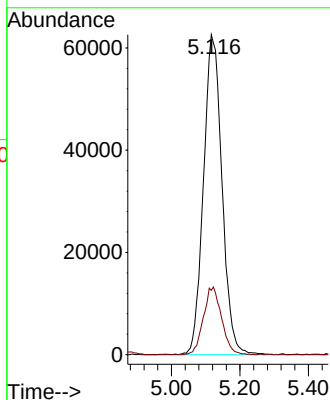
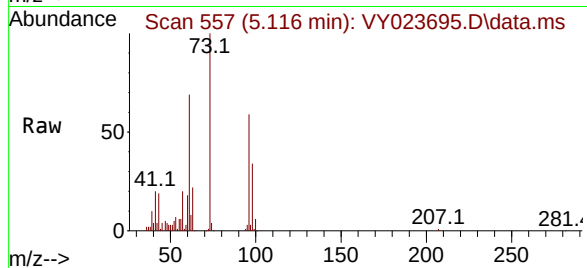
57 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#20

Methylene Chloride

Concen: 23.318 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Tgt Ion: 84 Resp: 126676

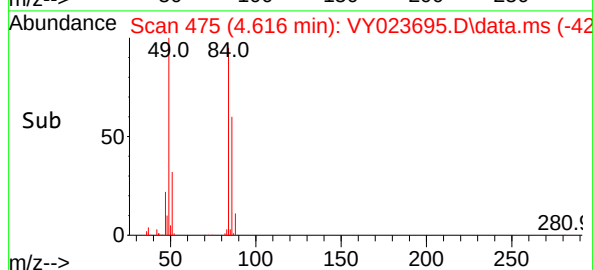
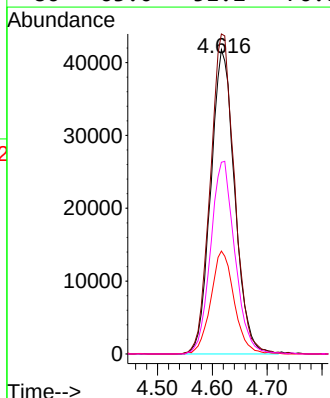
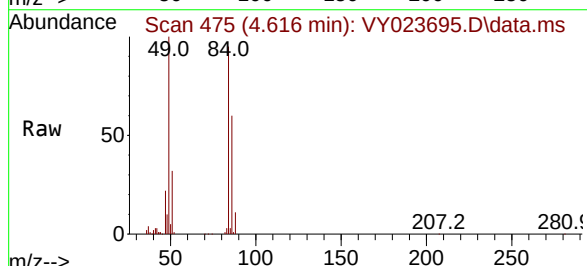
Ion Ratio Lower Upper

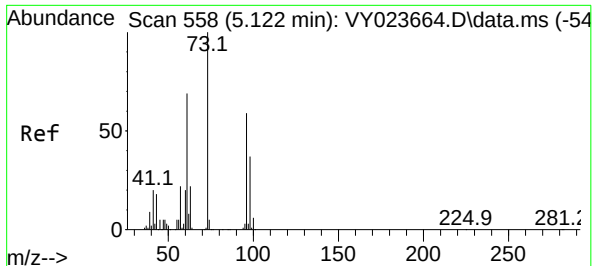
84 100

49 105.1 81.5 122.3

51 33.7 25.5 38.3

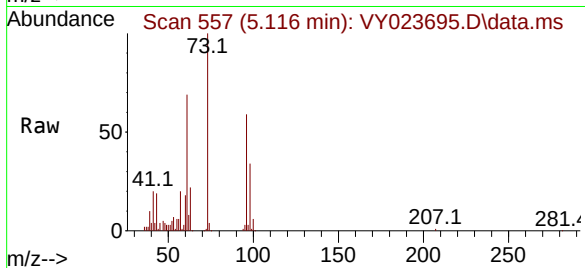
86 63.0 51.2 76.8





#21
trans-1,2-Dichloroethene
Concen: 20.756 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

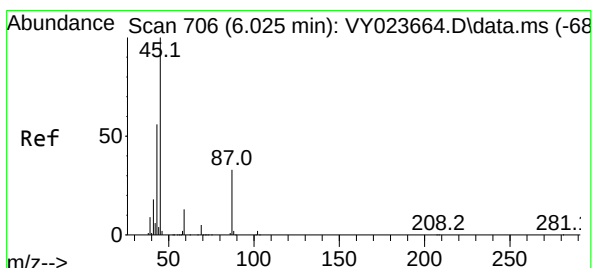
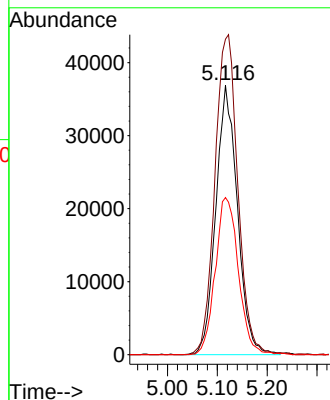
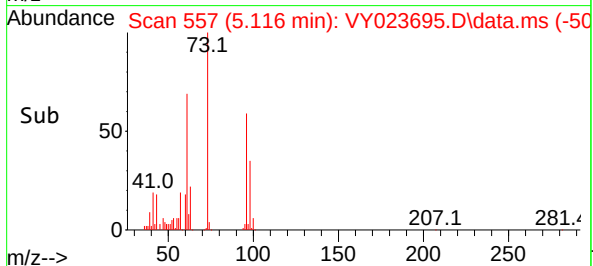
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



Tgt Ion: 96 Resp: 11097
Ion Ratio Lower Upper
96 100
61 117.2 93.3 139.9
98 58.3 50.6 75.8

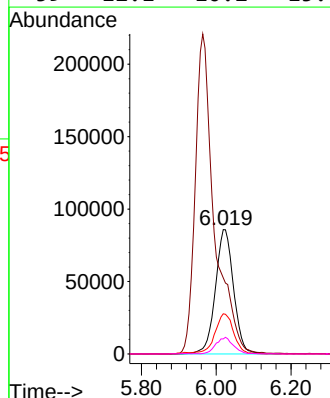
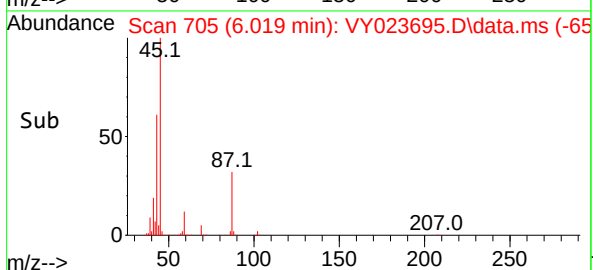
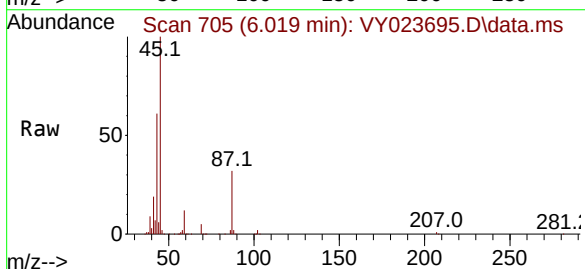
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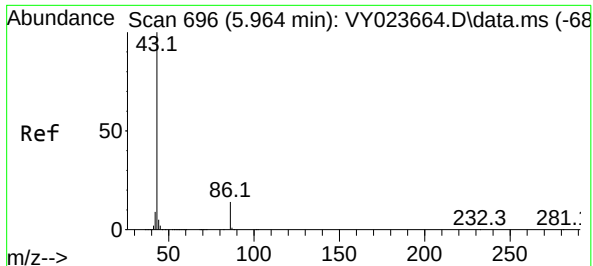
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#22
Diisopropyl ether
Concen: 22.515 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Tgt Ion: 45 Resp: 289564
Ion Ratio Lower Upper
45 100
43 60.6 44.7 67.1
87 32.4 27.2 40.8
59 12.1 10.2 15.4





#23

Vinyl Acetate

Concen: 113.978 ug/l

RT: 5.964 min Scan# 696

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 43 Resp: 782248

Ion Ratio Lower Upper

43

100

86

13.1

10.9

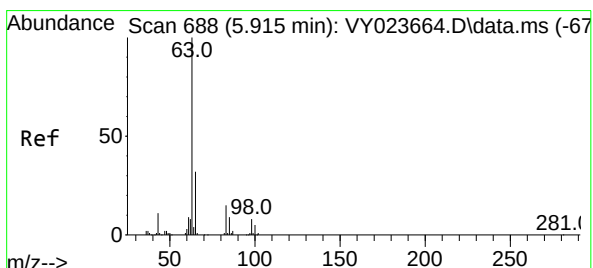
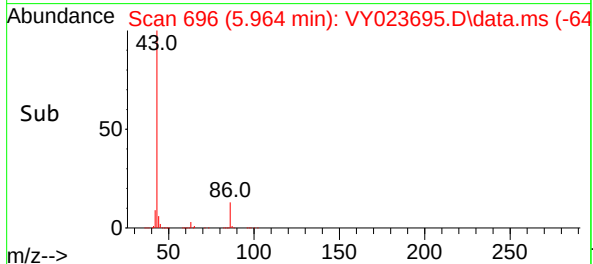
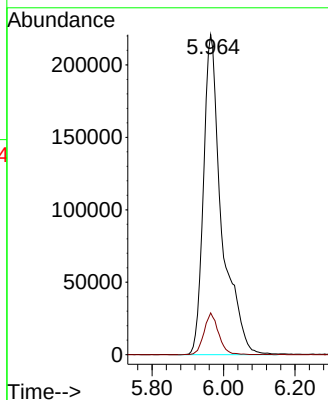
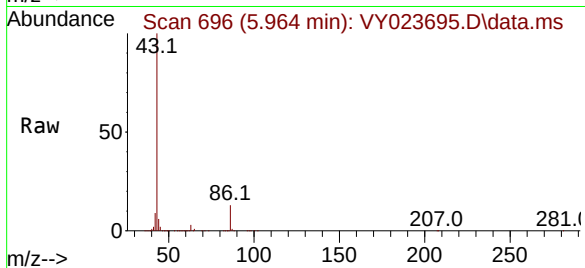
16.3

Manual Integrations

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Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#24

1,1-Dichloroethane

Concen: 21.262 ug/l

RT: 5.921 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Tgt Ion: 63 Resp: 182165

Ion Ratio Lower Upper

63

100

98

8.4

4.0

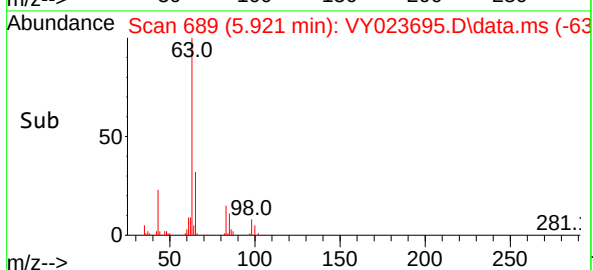
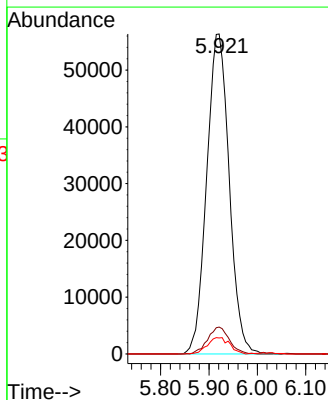
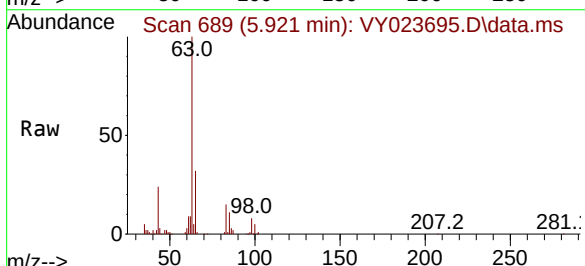
11.9

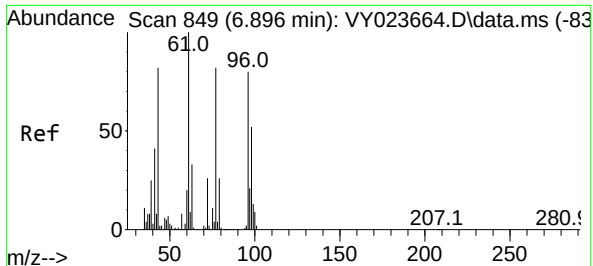
100

5.0

2.6

7.8





#25

2-Butanone

Concen: 118.684 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 43 Resp: 154418

Ion Ratio Lower Upper

43 100

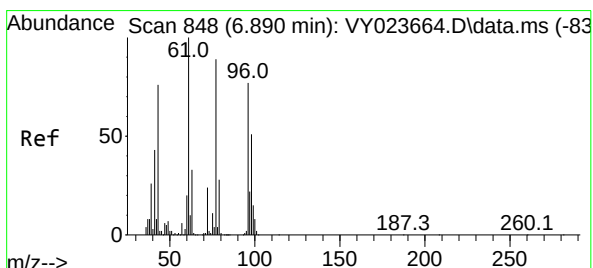
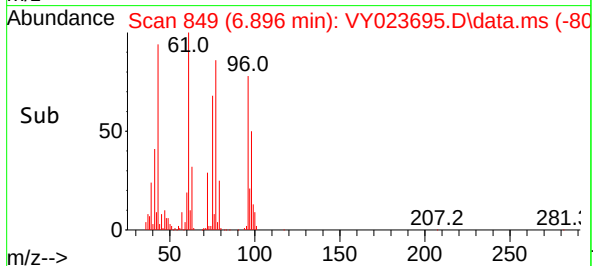
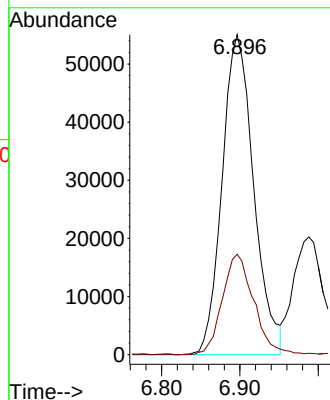
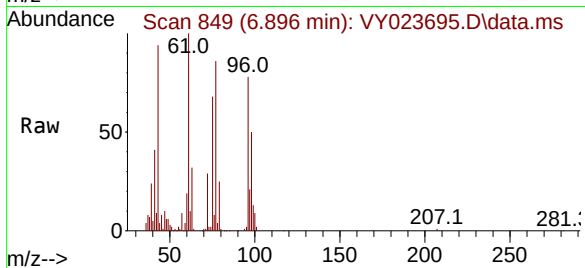
72 31.4 25.7 38.5

Manual Integrations

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Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#26

2,2-Dichloropropane

Concen: 21.535 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023695.D

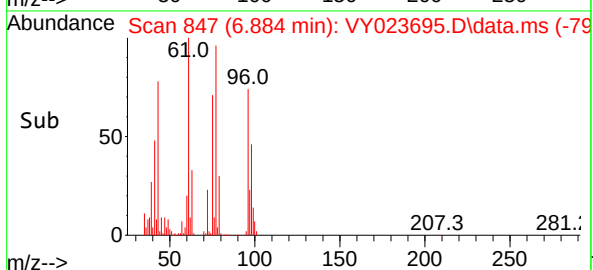
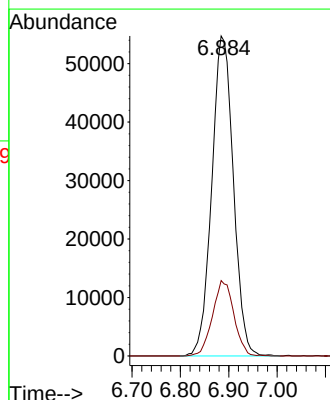
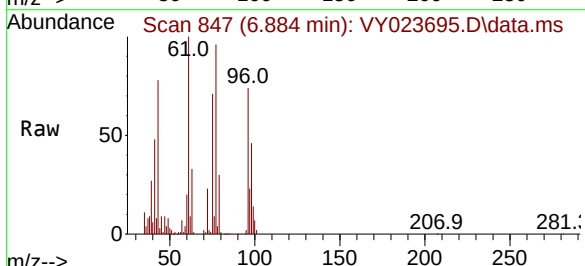
Acq: 06 Nov 2025 10:07

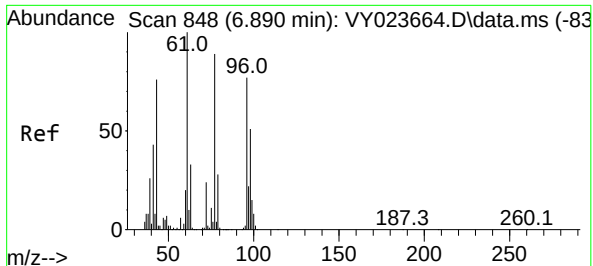
Tgt Ion: 77 Resp: 169719

Ion Ratio Lower Upper

77 100

97 23.3 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 21.279 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 96 Resp: 12993

Ion Ratio Lower Upper

96 100

61 130.9 0.0 255.0

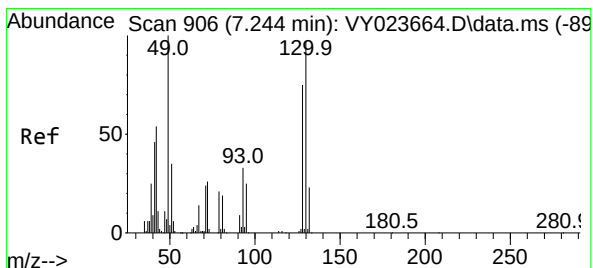
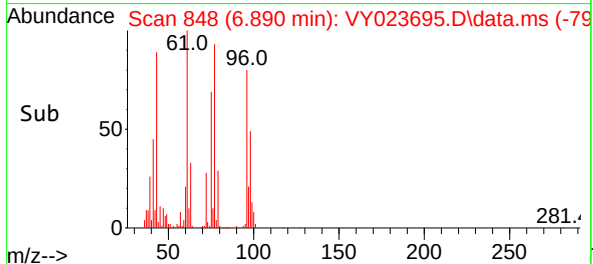
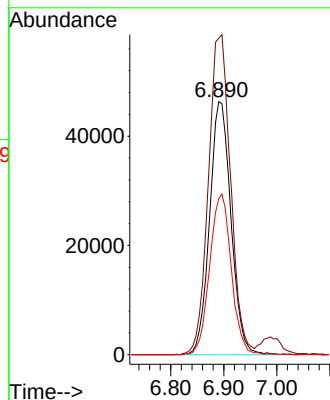
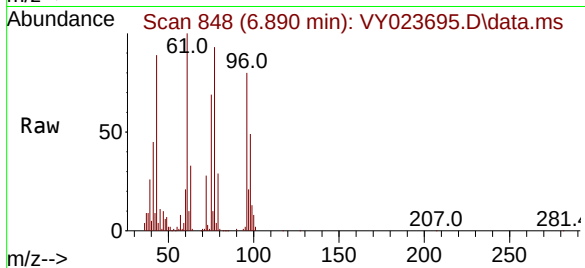
98 64.0 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#28

Bromochloromethane

Concen: 22.438 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

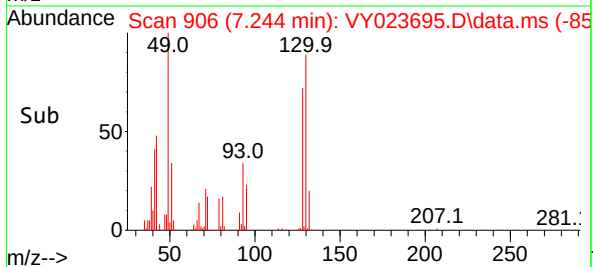
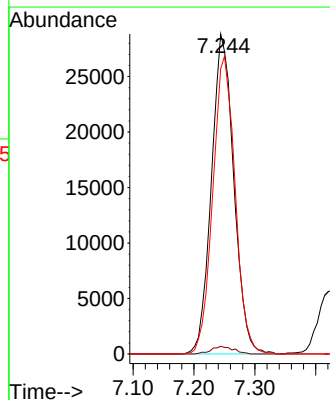
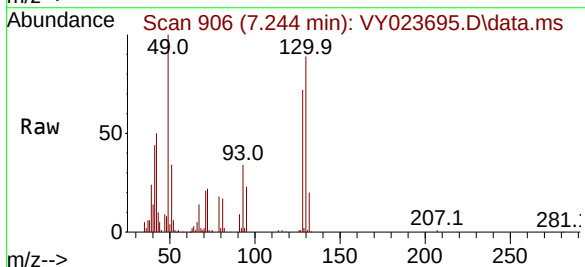
Tgt Ion: 49 Resp: 73608

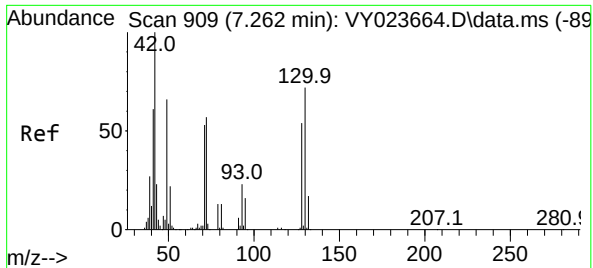
Ion Ratio Lower Upper

49 100

129 2.4 0.0 5.0

130 92.5 80.1 120.1





#29

Tetrahydrofuran

Concen: 113.192 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 42 Resp: 7843

Ion Ratio Lower Upper

42 100

72 52.6 43.4 65.2

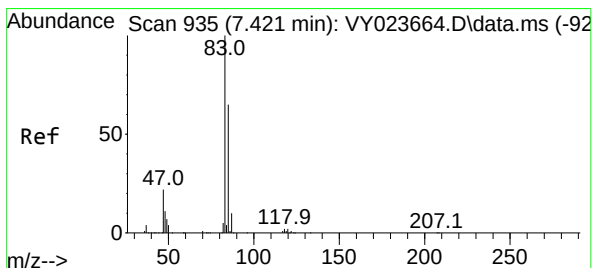
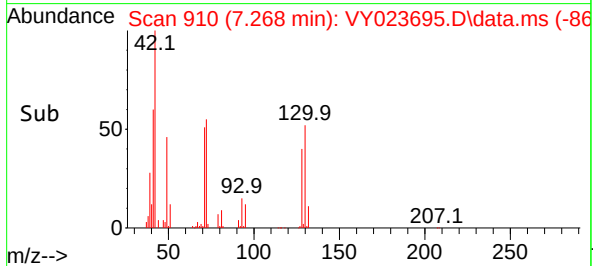
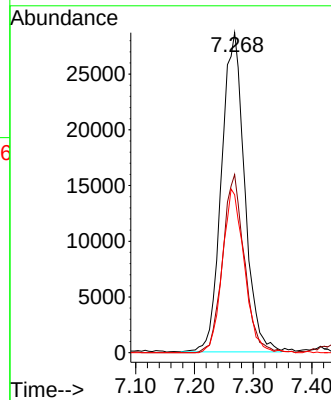
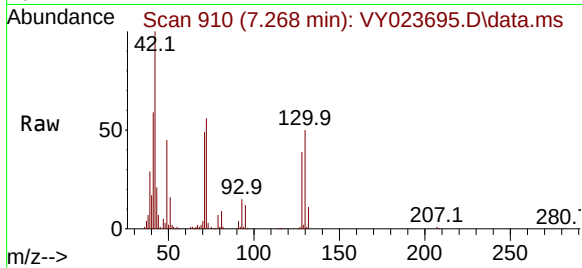
71 48.7 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#30

Chloroform

Concen: 21.294 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY023695.D

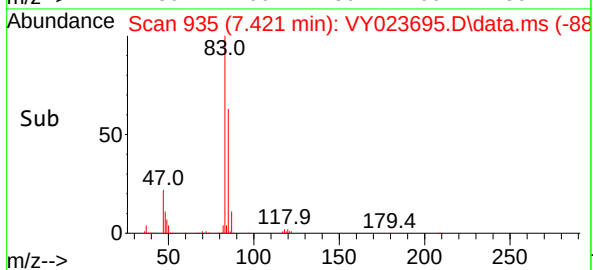
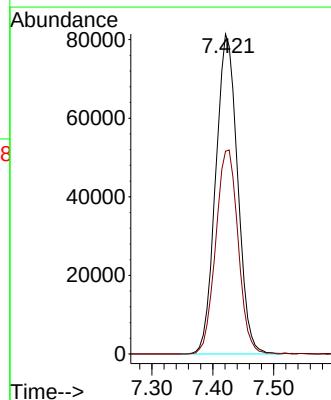
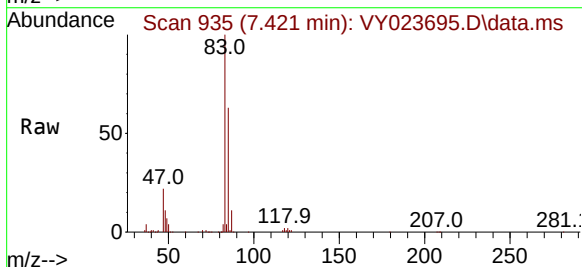
Acq: 06 Nov 2025 10:07

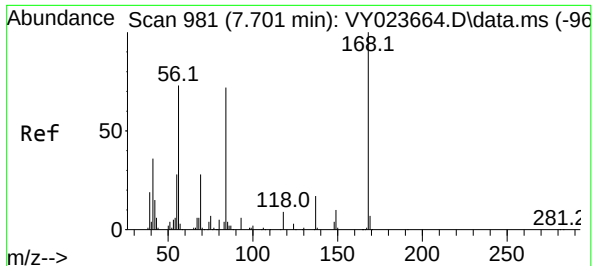
Tgt Ion: 83 Resp: 203557

Ion Ratio Lower Upper

83 100

85 63.4 52.1 78.1





#31

Cyclohexane

Concen: 21.129 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 56 Resp: 15765

Ion Ratio Lower Upper

56 100

69 40.7 30.5 45.7

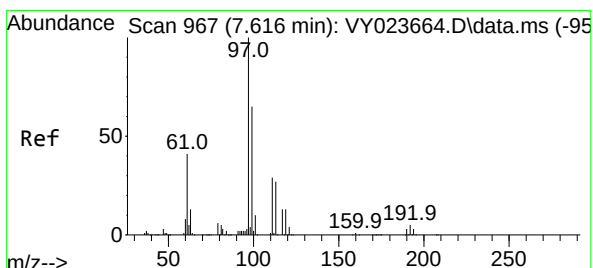
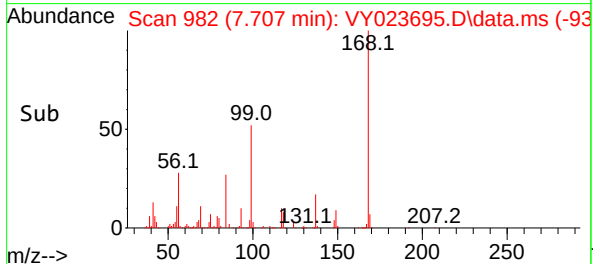
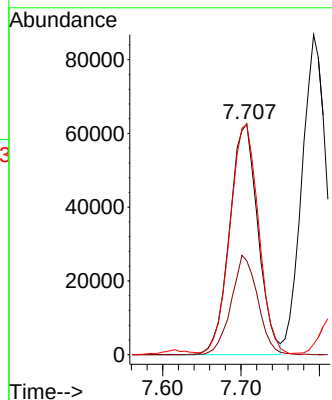
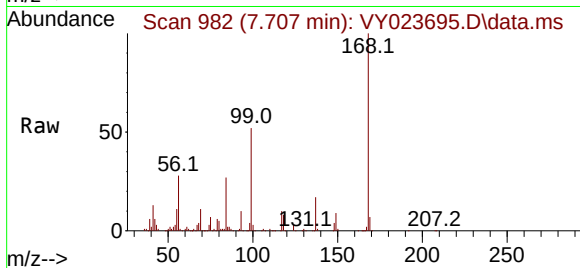
84 98.4 79.0 118.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#32

1,1,1-Trichloroethane

Concen: 21.010 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

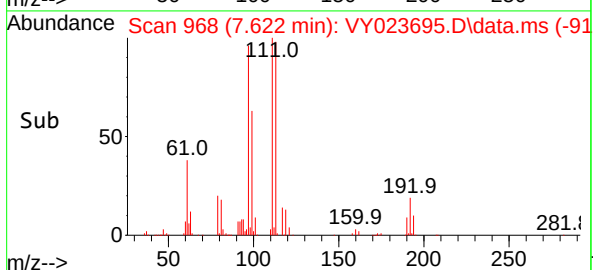
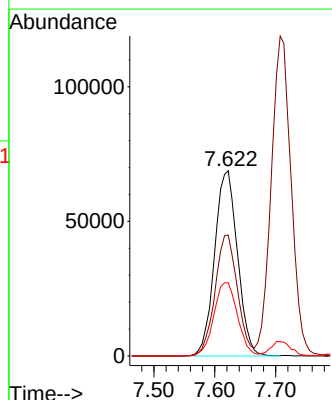
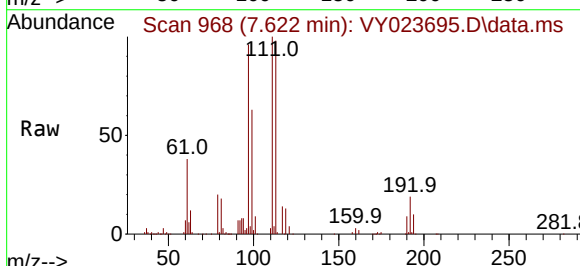
Tgt Ion: 97 Resp: 179510

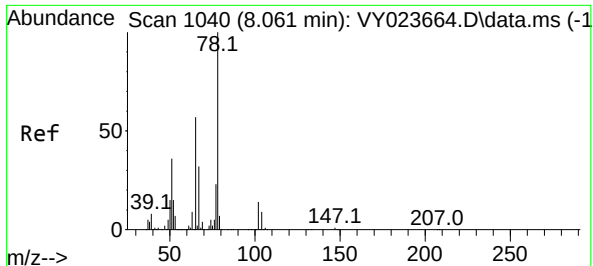
Ion Ratio Lower Upper

97 100

99 64.1 51.5 77.3

61 40.9 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 51.905 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Tgt Ion: 65 Resp: 234984

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.4

Instrument :

MSVOA_Y

ClientSampleId :

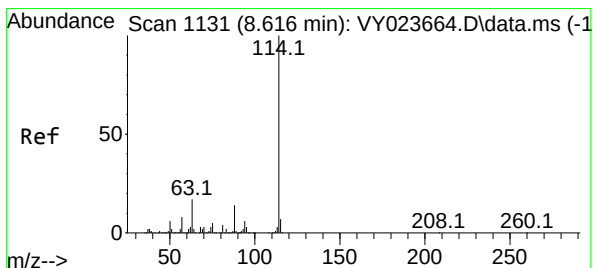
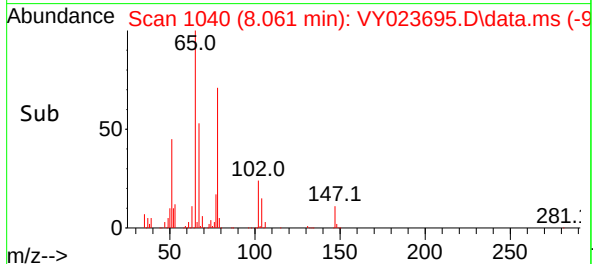
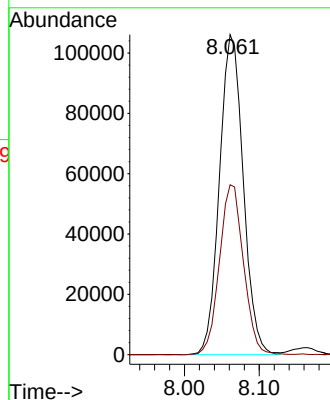
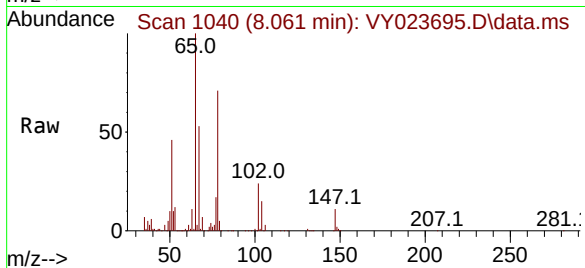
VY1106SBS01

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

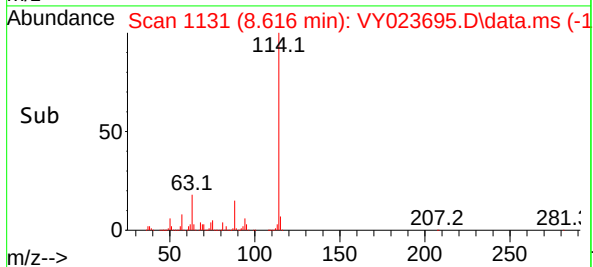
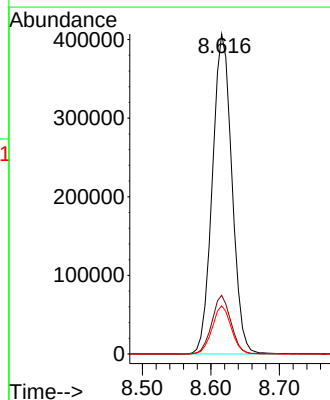
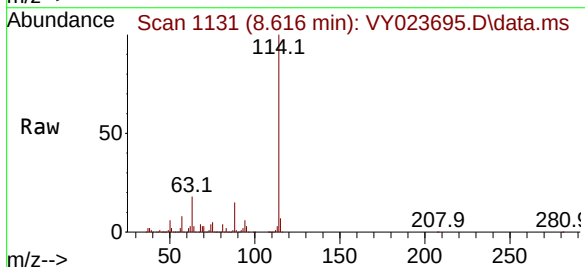
Tgt Ion:114 Resp: 804208

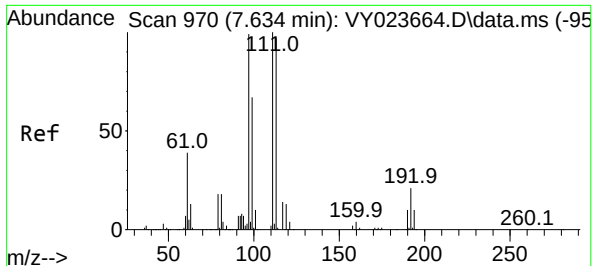
Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.8

88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.408 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:113 Resp: 25333

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

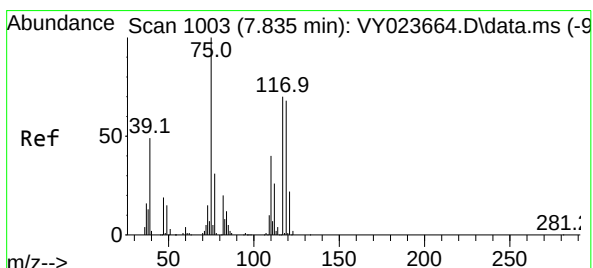
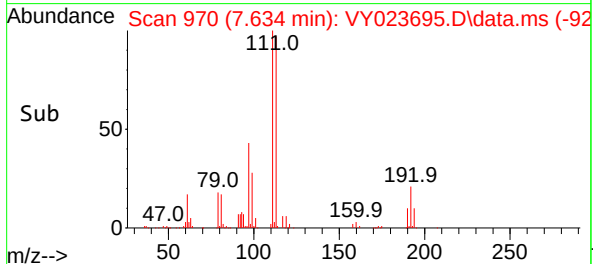
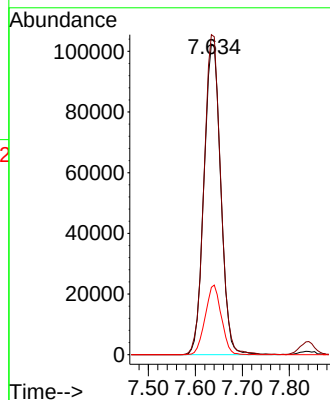
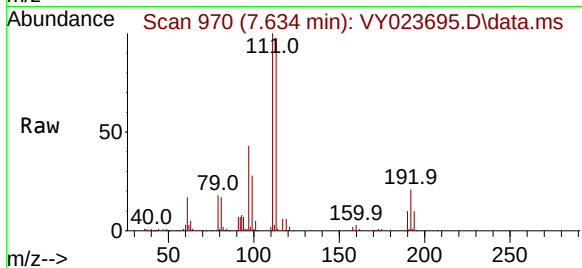
192 21.5 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#36

1,1-Dichloropropene

Concen: 20.641 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

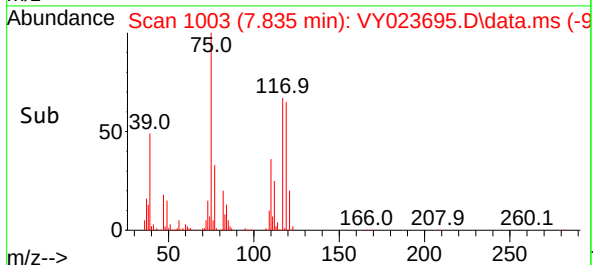
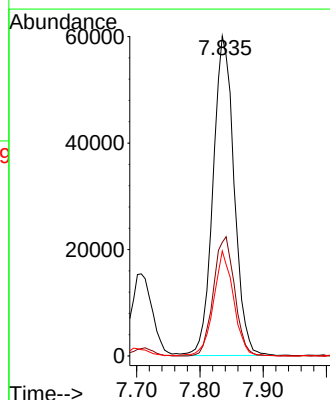
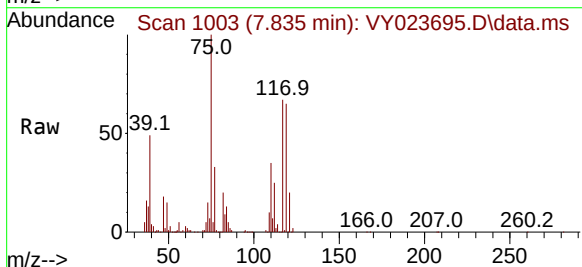
Tgt Ion: 75 Resp: 138622

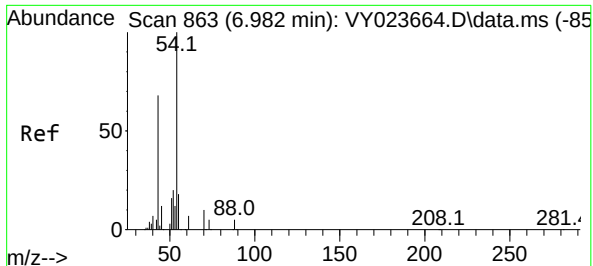
Ion Ratio Lower Upper

75 100

110 37.7 19.7 59.0

77 31.4 25.2 37.8





#37

Ethyl Acetate

Concen: 21.509 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 43 Resp: 55918

Ion Ratio Lower Upper

43 100

61 16.0 12.4 18.6

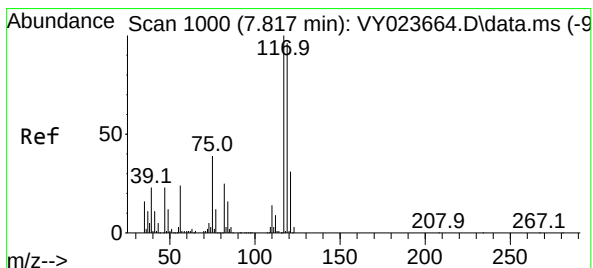
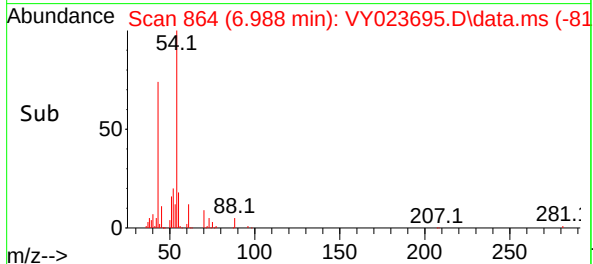
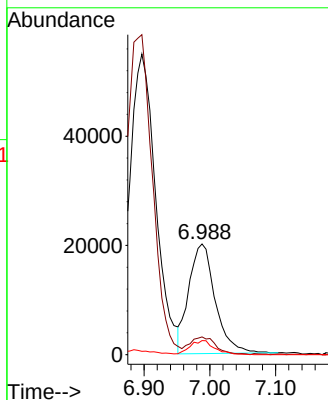
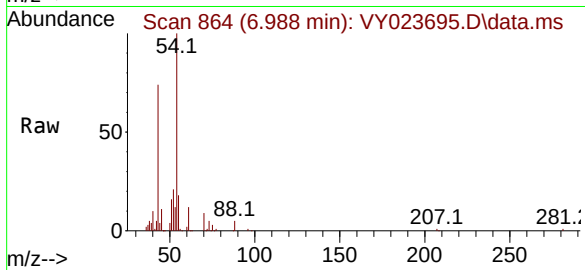
70 12.0 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#38

Carbon Tetrachloride

Concen: 20.220 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

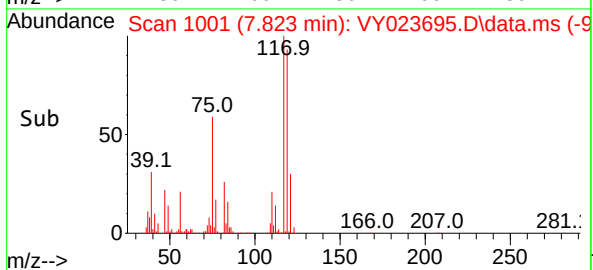
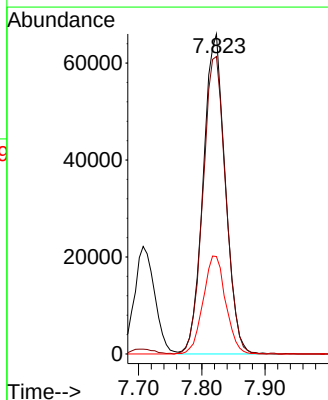
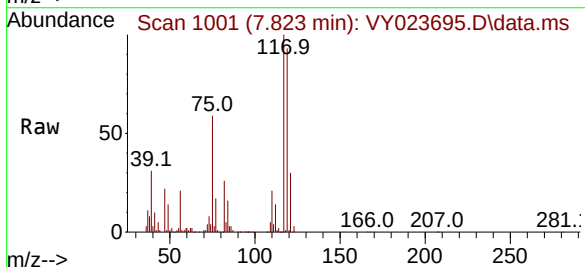
Tgt Ion:117 Resp: 159996

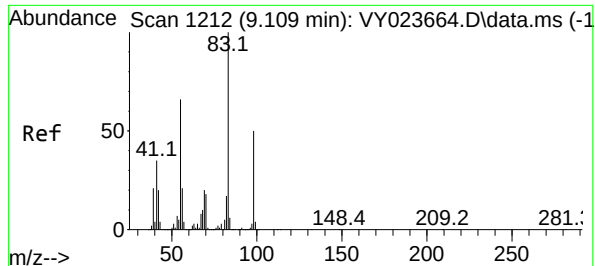
Ion Ratio Lower Upper

117 100

119 92.9 76.3 114.5

121 30.4 24.8 37.2





#39

Methylcyclohexane

Concen: 20.088 ug/l

RT: 9.110 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 83 Resp: 17237

Ion Ratio Lower Upper

83 100

55 69.5 52.6 78.8

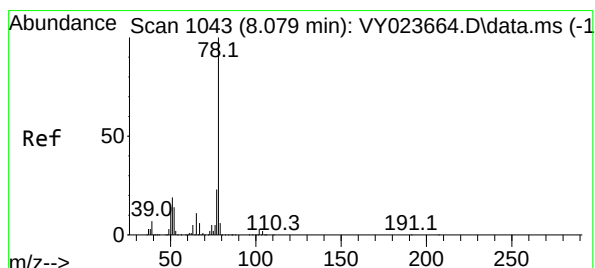
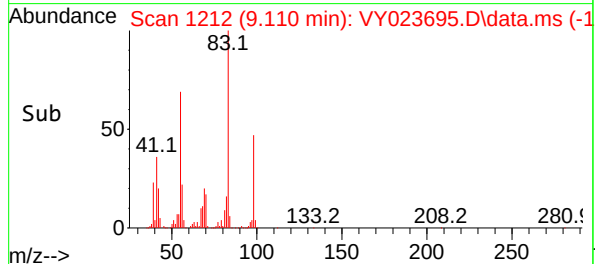
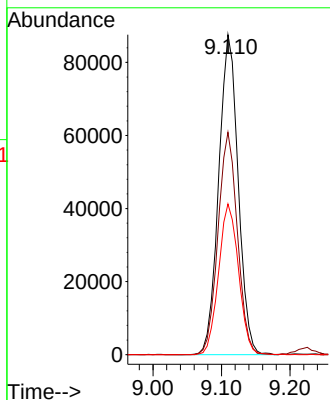
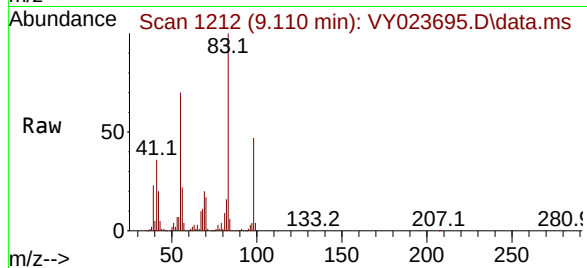
98 47.1 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#40

Benzene

Concen: 21.220 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY023695.D

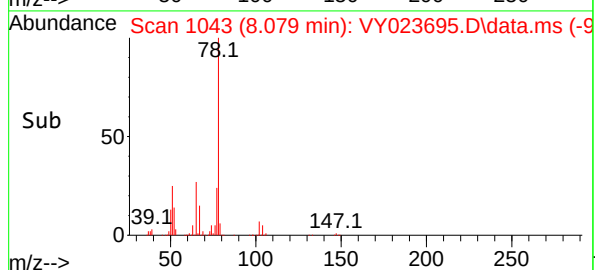
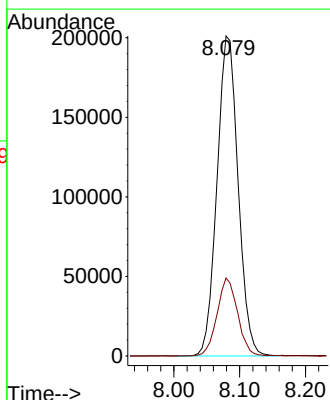
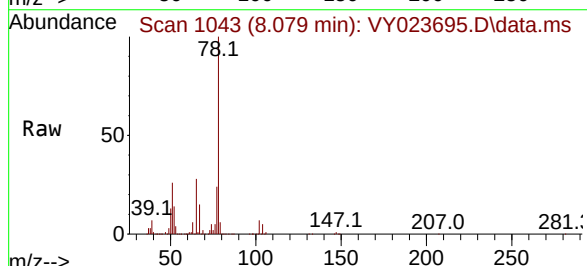
Acq: 06 Nov 2025 10:07

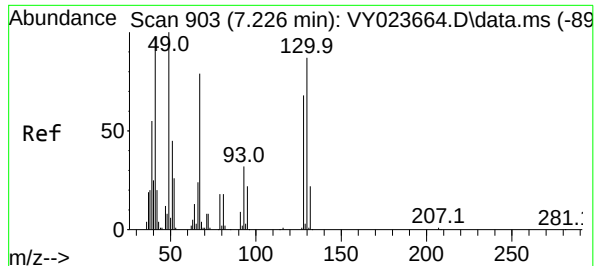
Tgt Ion: 78 Resp: 449187

Ion Ratio Lower Upper

78 100

77 24.3 18.8 28.2





#41

Methacrylonitrile

Concen: 17.792 ug/l

RT: 7.220 min Scan# 903

Delta R.T. -0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 41 Resp: 25249

Ion Ratio Lower Upper

41 100

39 66.0 38.6 57.8

67 101.4 71.3 106.9

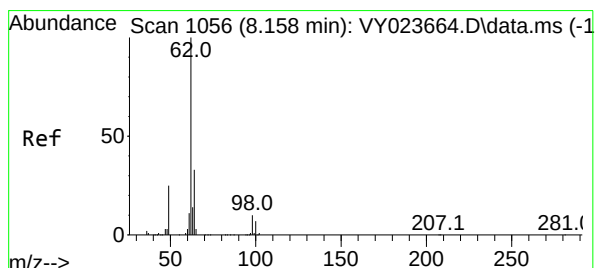
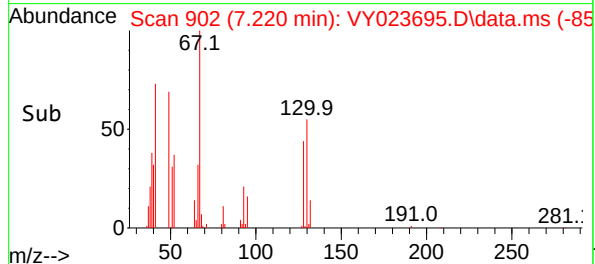
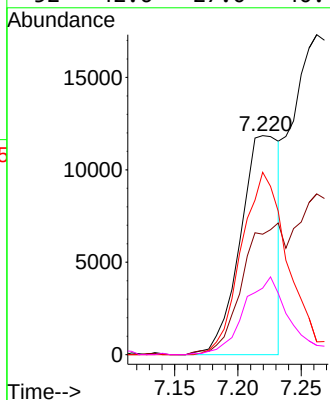
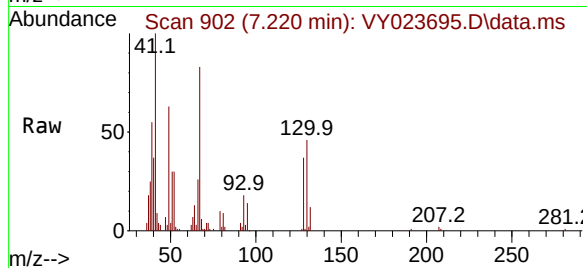
52 42.6 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#42

1,2-Dichloroethane

Concen: 21.395 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VY023695.D

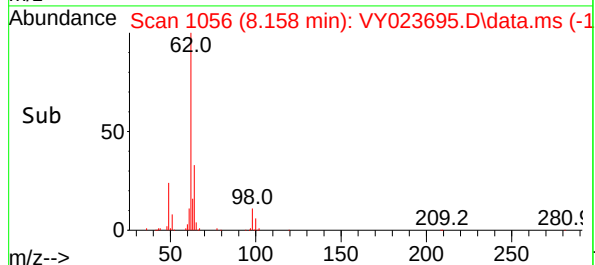
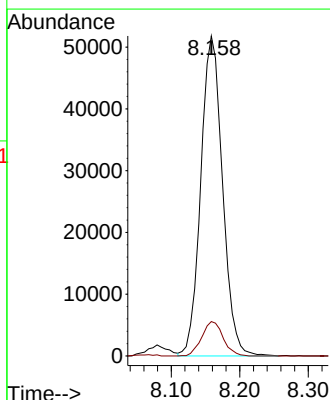
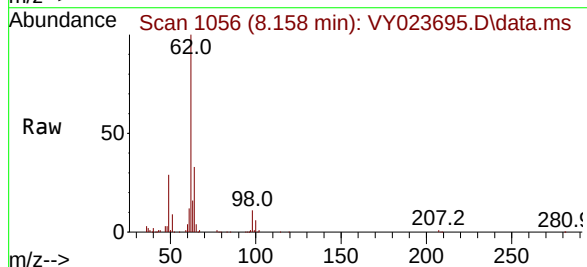
Acq: 06 Nov 2025 10:07

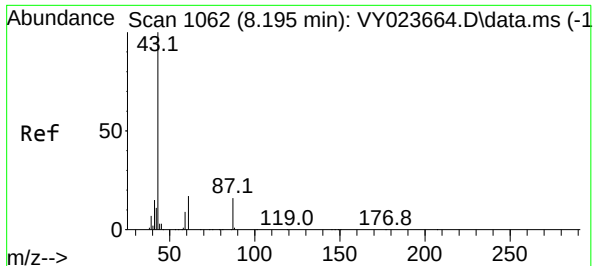
Tgt Ion: 62 Resp: 114582

Ion Ratio Lower Upper

62 100

98 10.6 0.0 21.0





#43

Isopropyl Acetate

Concen: 21.516 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 43 Resp: 10510

Ion Ratio Lower Upper

43 100

61 20.5 18.2 27.2

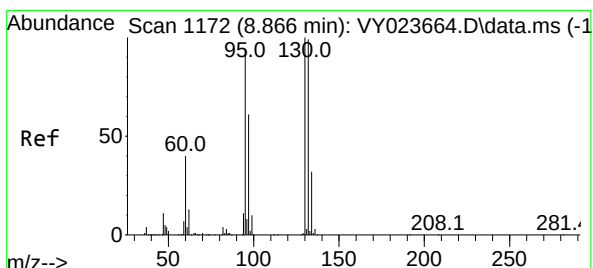
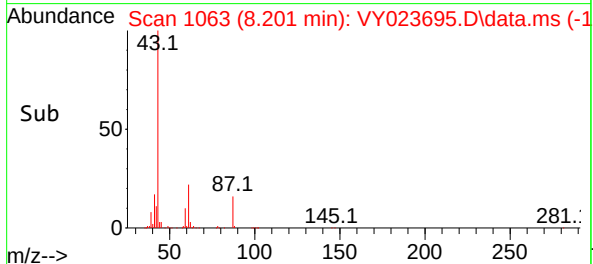
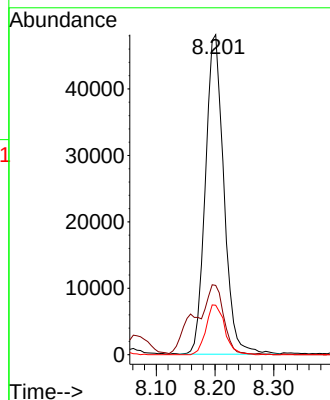
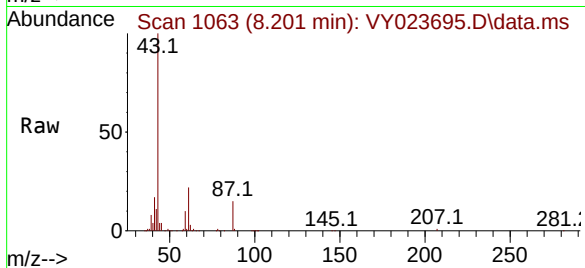
87 15.8 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#44

Trichloroethene

Concen: 20.572 ug/l

RT: 8.866 min Scan# 1172

Delta R.T. 0.000 min

Lab File: VY023695.D

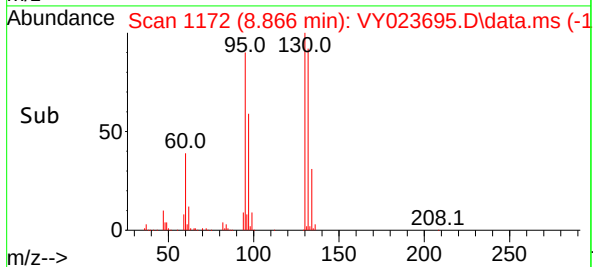
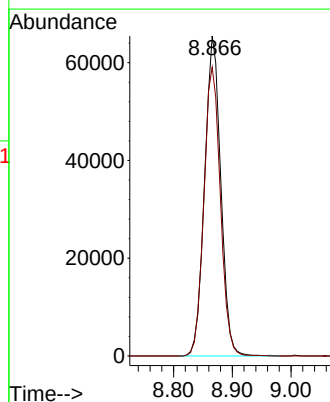
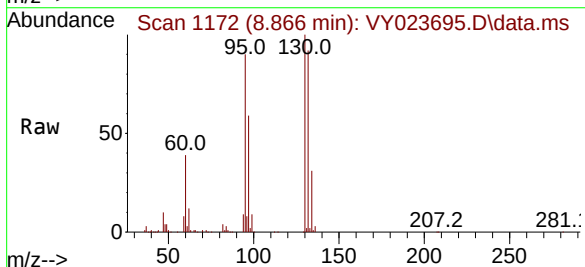
Acq: 06 Nov 2025 10:07

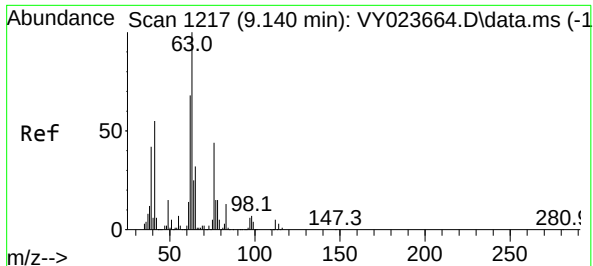
Tgt Ion:130 Resp: 125077

Ion Ratio Lower Upper

130 100

95 90.3 0.0 187.0





#45

1,2-Dichloropropane

Concen: 21.264 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023695.D

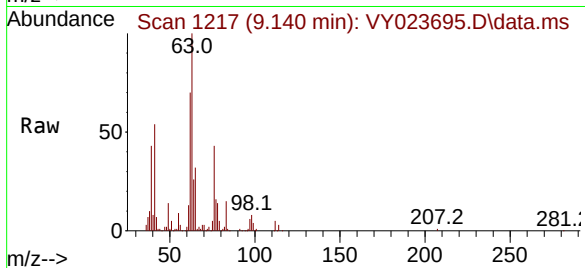
Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01



Tgt Ion: 63 Resp: 9934

Ion Ratio Lower Upper

63 100

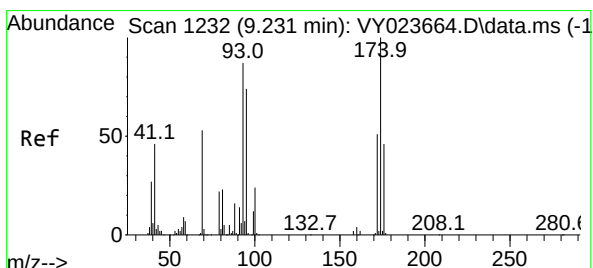
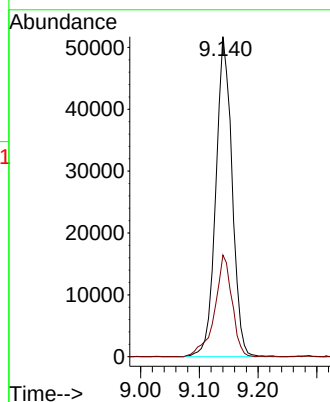
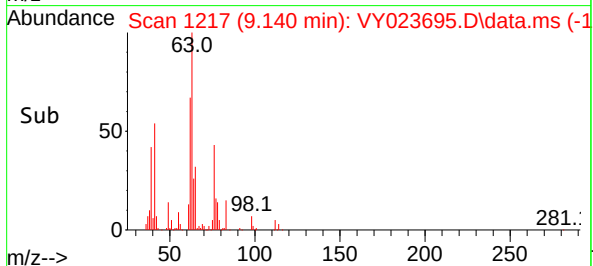
65 31.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#46

Dibromomethane

Concen: 21.056 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

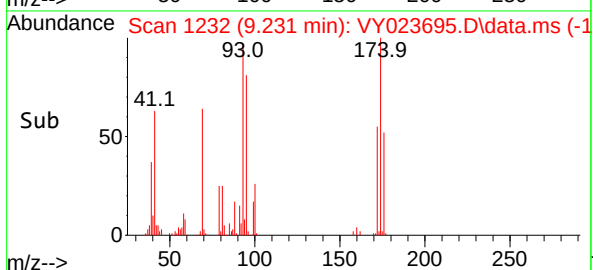
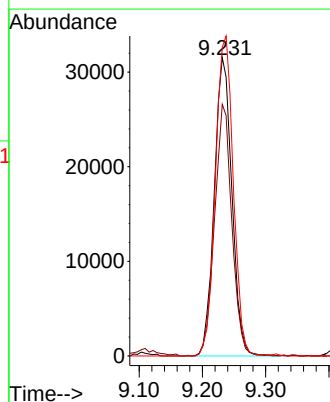
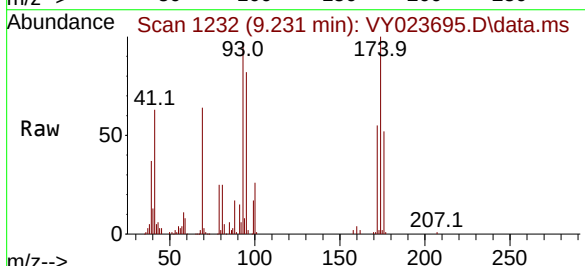
Tgt Ion: 93 Resp: 60952

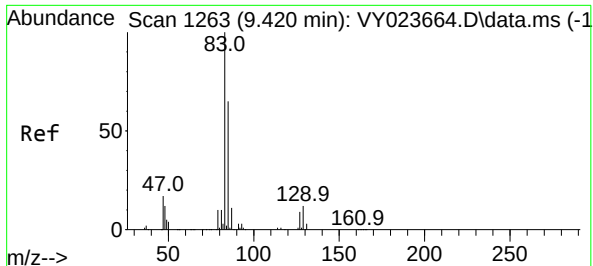
Ion Ratio Lower Upper

93 100

95 82.8 67.4 101.2

174 108.7 89.4 134.0





#47

Bromodichloromethane

Concen: 21.287 ug/l

RT: 9.427 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 83 Resp: 15535

Ion Ratio Lower Upper

83 100

85 61.8 52.1 78.1

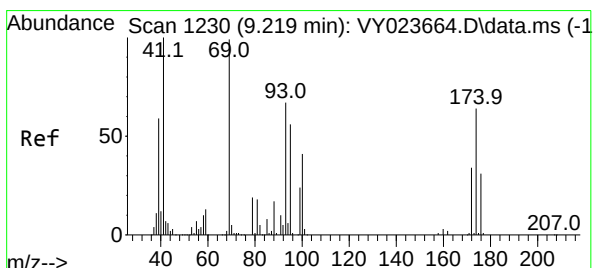
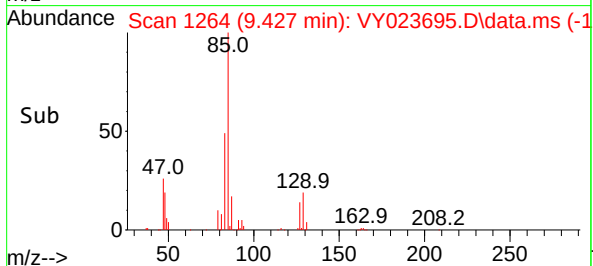
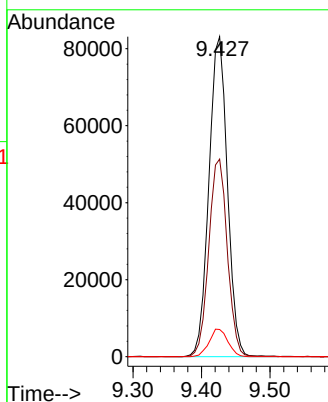
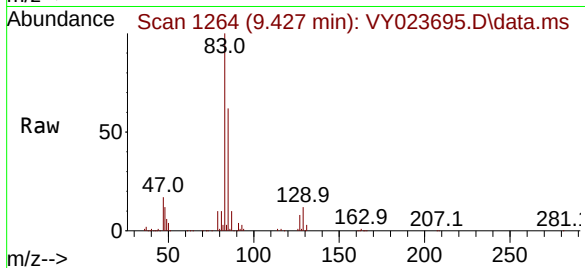
127 8.5 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#48

Methyl methacrylate

Concen: 20.775 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

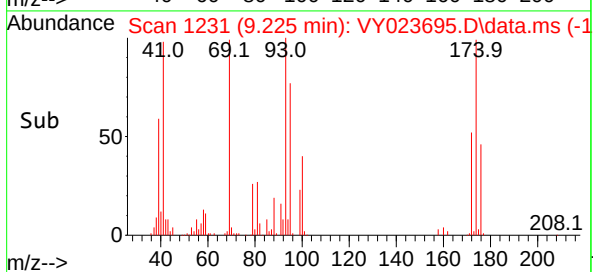
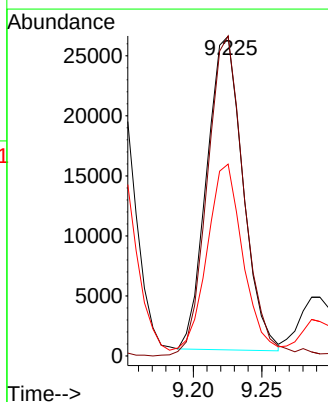
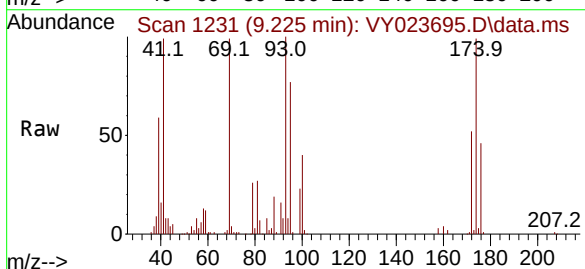
Tgt Ion: 41 Resp: 47946

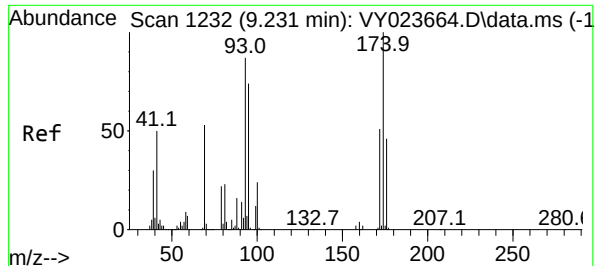
Ion Ratio Lower Upper

41 100

69 104.4 80.2 120.2

39 58.0 47.4 71.0





#49

1,4-Dioxane

Concen: 423.874 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 88 Resp: 1255

Ion Ratio Lower Upper

88 100

43 35.5 22.0 33.0

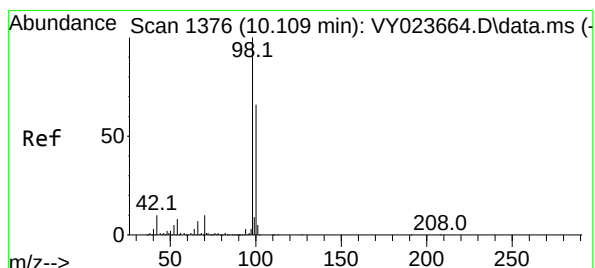
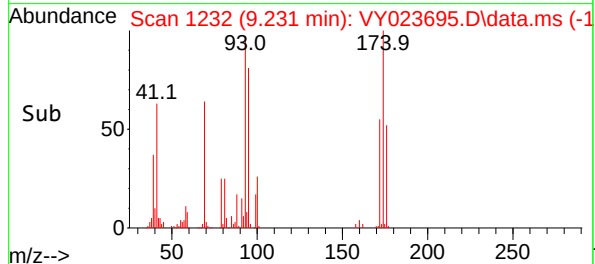
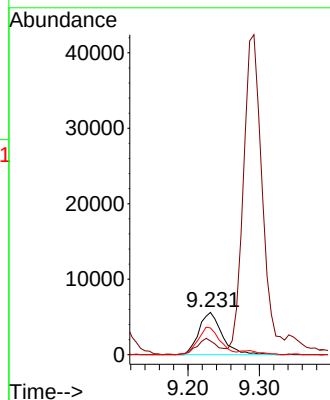
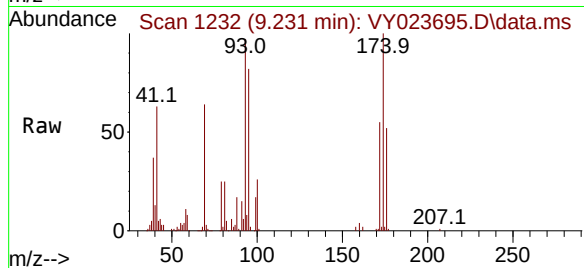
58 61.7 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#50

Toluene-d8

Concen: 51.544 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023695.D

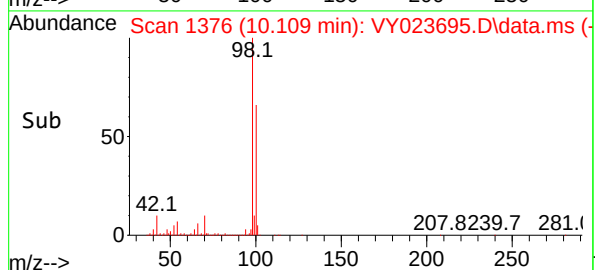
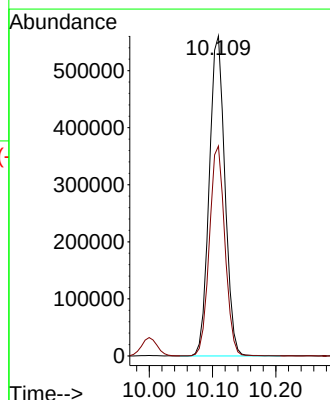
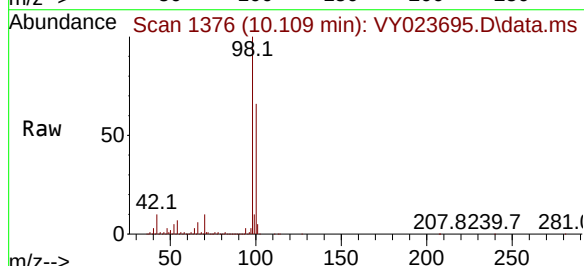
Acq: 06 Nov 2025 10:07

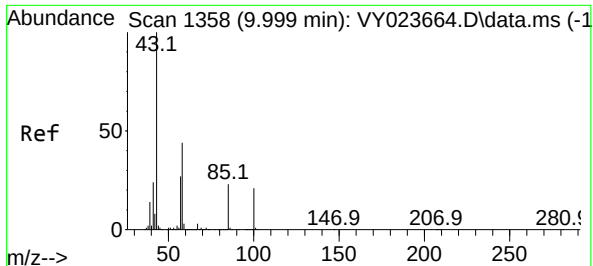
Tgt Ion: 98 Resp: 964970

Ion Ratio Lower Upper

98 100

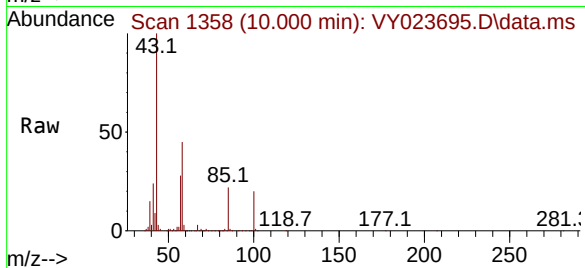
100 65.1 52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 109.854 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

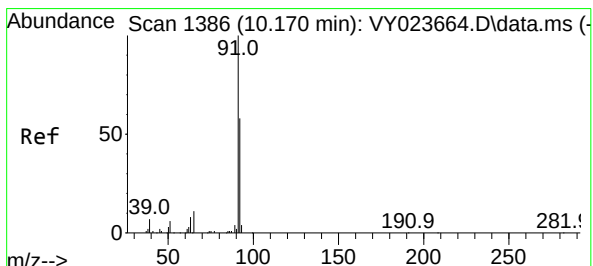
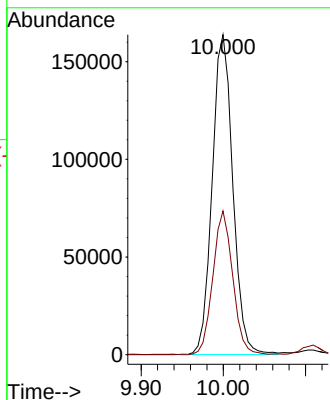
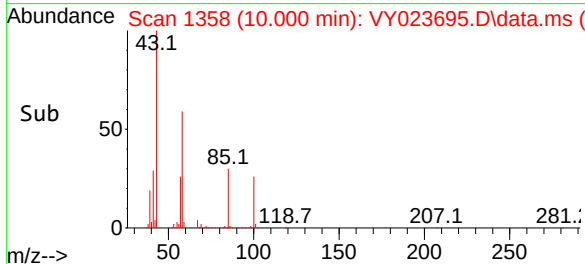
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



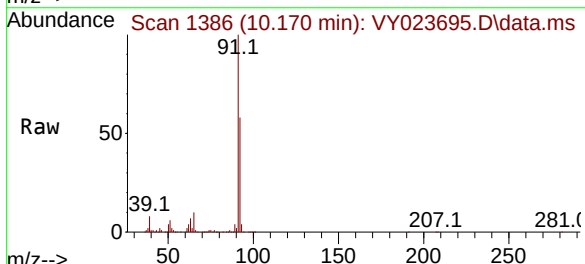
Tgt Ion: 43 Resp: 285374
Ion Ratio Lower Upper
43 100
58 43.4 34.8 52.2

Manual Integrations
APPROVED

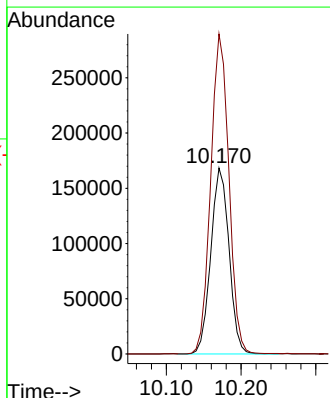
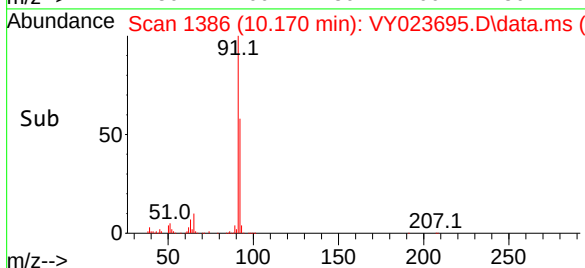
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

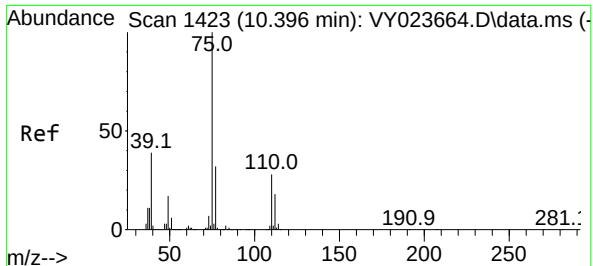


#52
Toluene
Concen: 21.054 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



Tgt Ion: 92 Resp: 284543
Ion Ratio Lower Upper
92 100
91 172.0 137.8 206.8





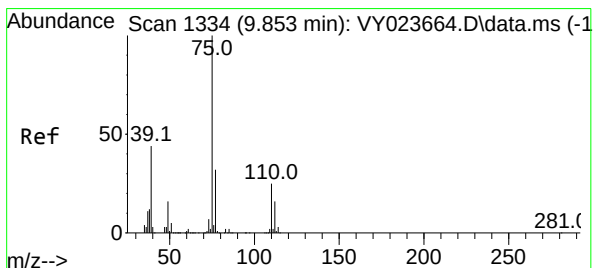
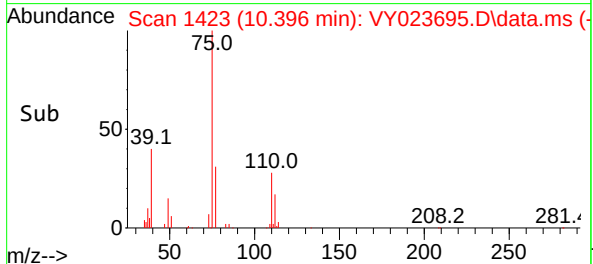
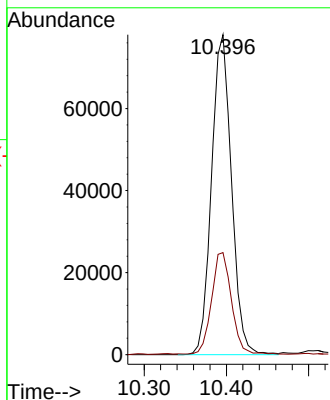
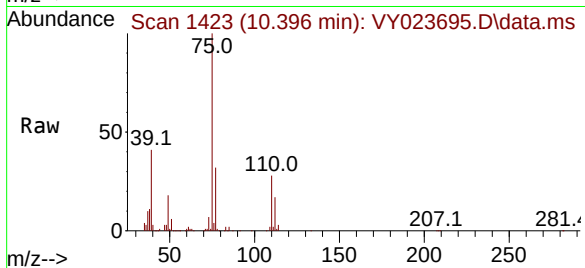
#53
t-1,3-Dichloropropene
Concen: 21.306 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion: 75 Resp: 13157
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4

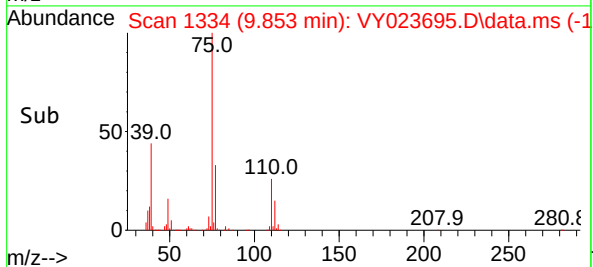
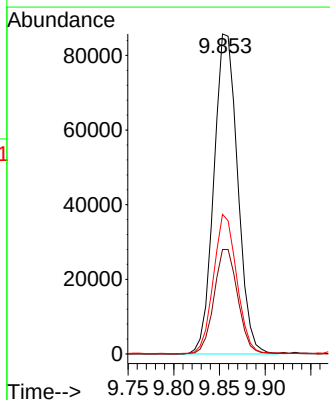
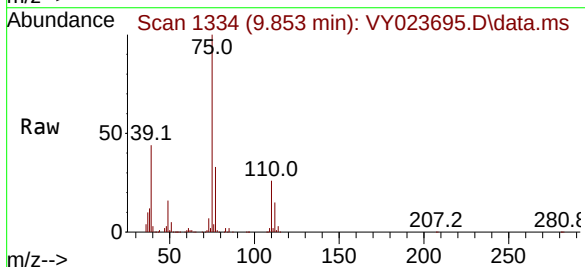
Manual Integrations
APPROVED

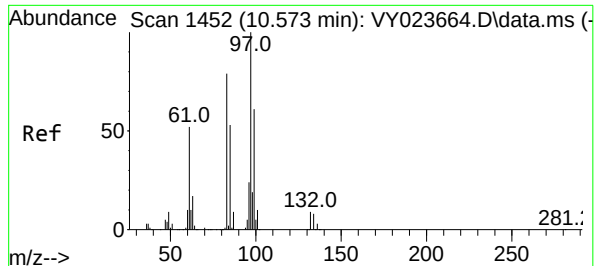
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#54
cis-1,3-Dichloropropene
Concen: 21.025 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

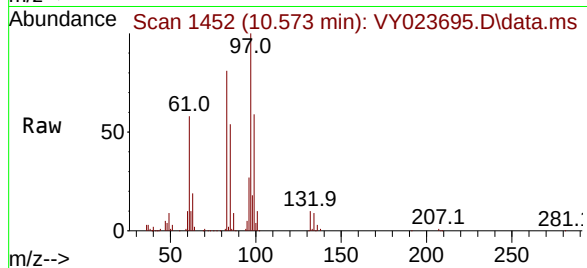
Tgt Ion: 75 Resp: 155558
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5
39 43.6 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 21.317 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

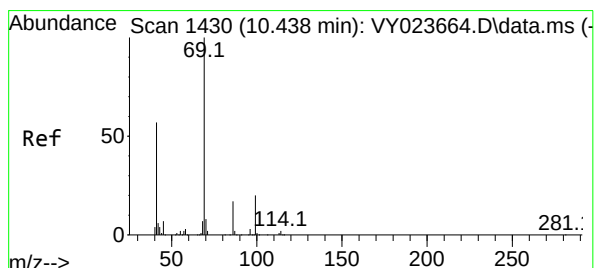
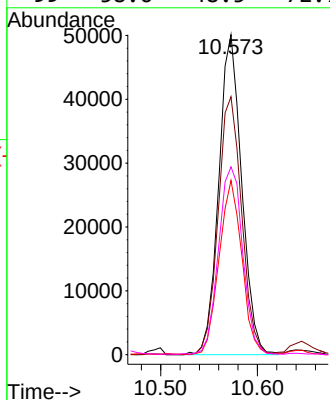
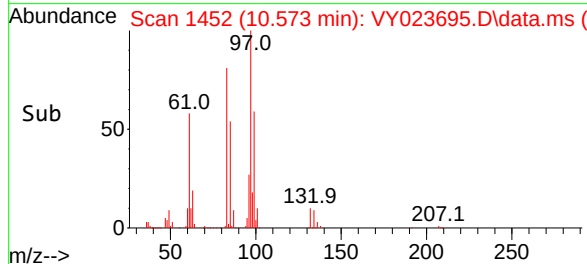
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



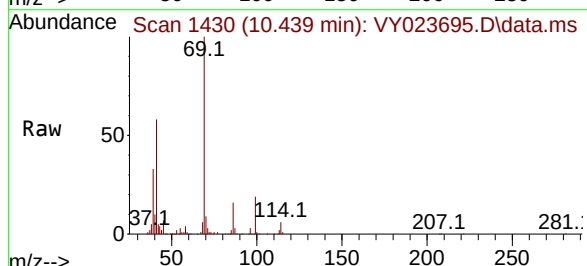
Tgt Ion:	97	Resp:	8246
Ion	Ratio	Lower	Upper
97	100		
83	80.6	63.3	94.9
85	54.3	42.4	63.6
99	58.6	48.5	72.7

Manual Integrations
APPROVED

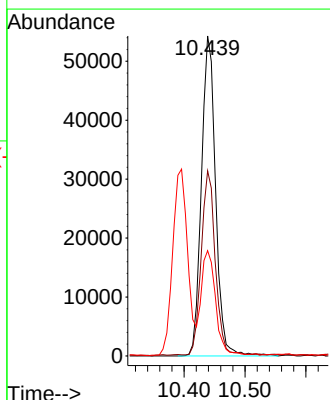
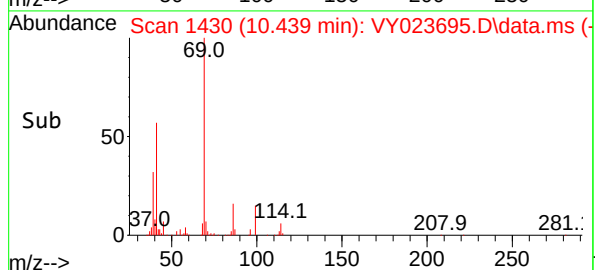
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

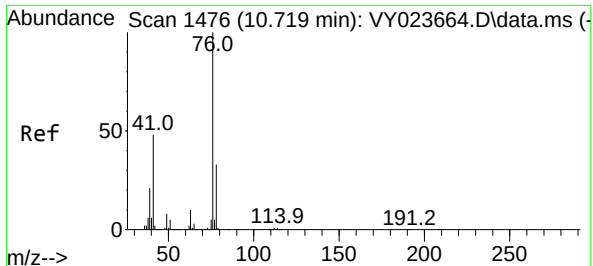


#56
Ethyl methacrylate
Concen: 20.616 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



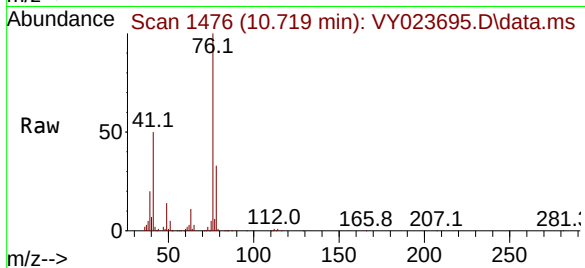
Tgt Ion:	69	Resp:	87872
Ion	Ratio	Lower	Upper
69	100		
41	56.5	45.0	67.4
39	32.0	25.1	37.7





#57
1,3-Dichloropropane
Concen: 21.467 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

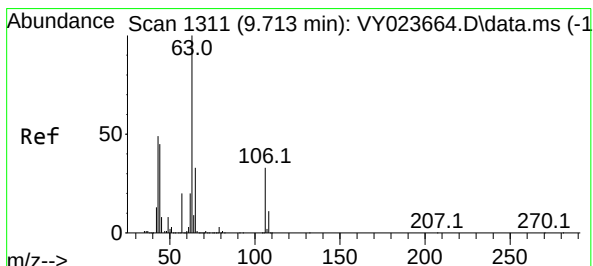
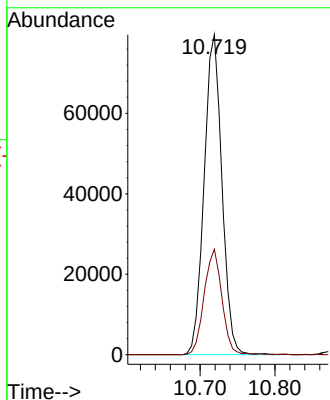
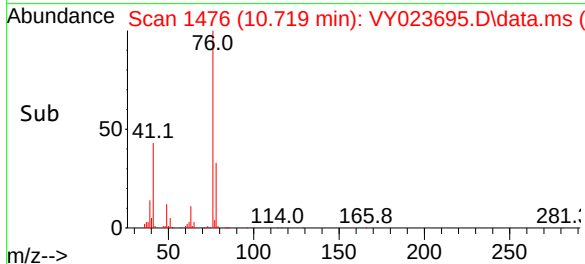
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



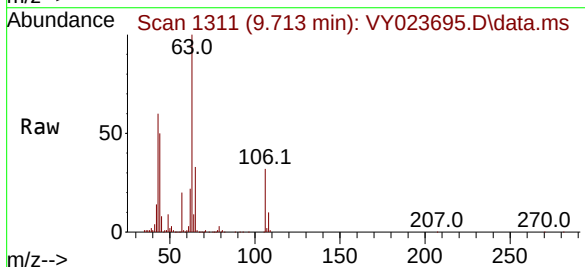
Tgt Ion: 76 Resp: 13172
Ion Ratio Lower Upper
76 100
78 32.8 26.0 39.0

Manual Integrations
APPROVED

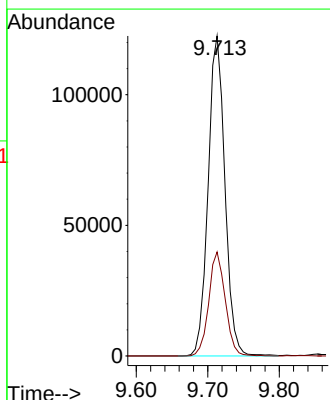
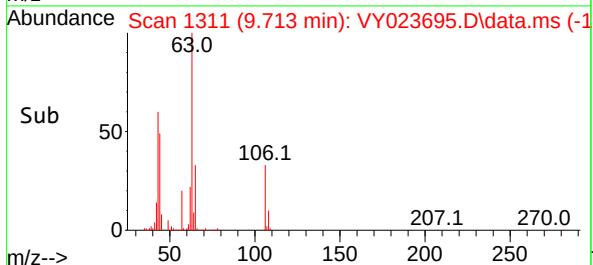
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

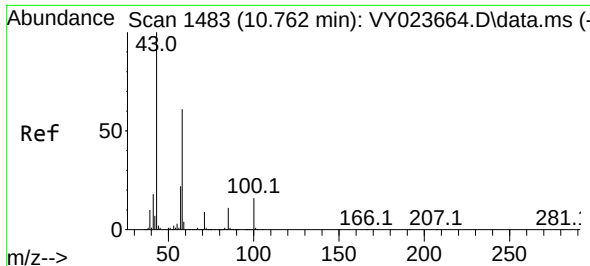


#58
2-Chloroethyl Vinyl ether
Concen: 102.140 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



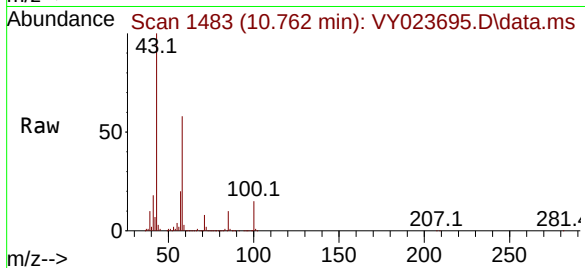
Tgt Ion: 63 Resp: 199771
Ion Ratio Lower Upper
63 100
106 31.9 26.2 39.2





#59
2-Hexanone
Concen: 114.583 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

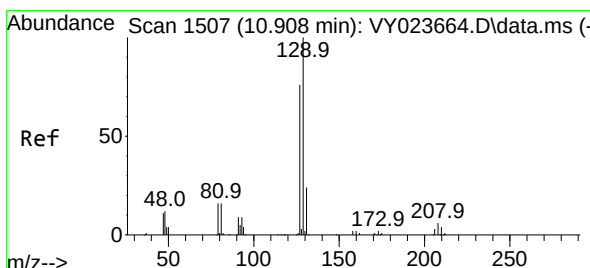
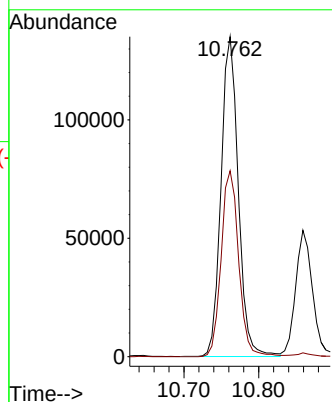
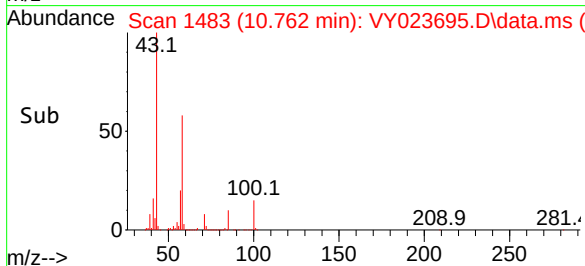
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



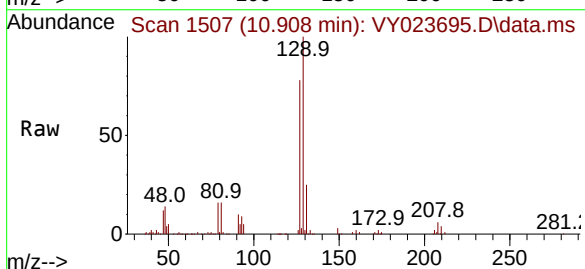
Tgt Ion: 43 Resp: 21716
Ion Ratio Lower Upper
43 100
58 59.2 30.2 90.6

Manual Integrations
APPROVED

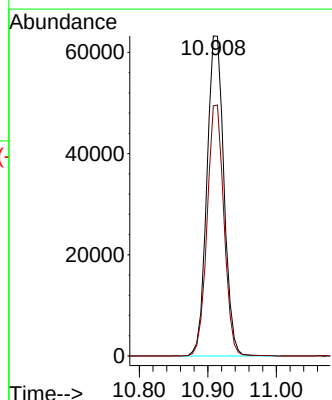
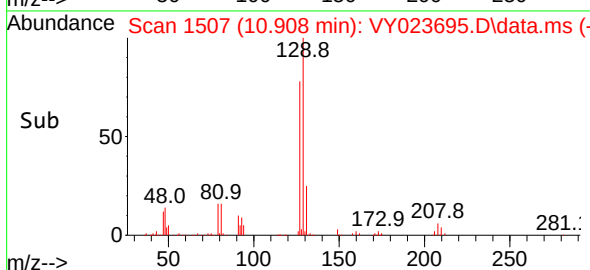
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

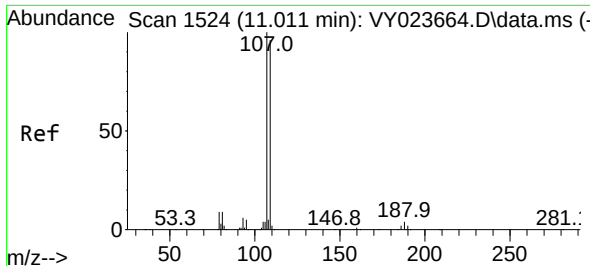


#60
Dibromochloromethane
Concen: 20.558 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



Tgt Ion:129 Resp: 109270
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2





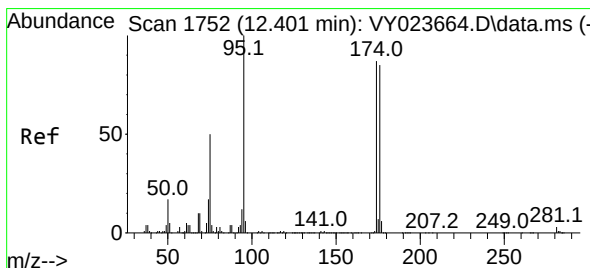
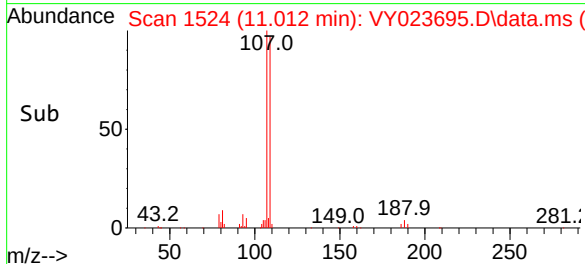
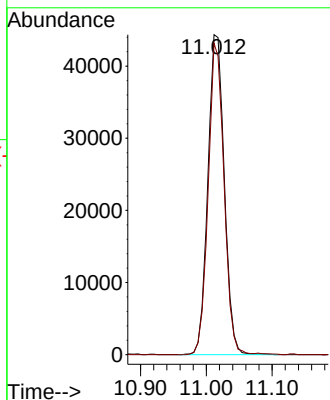
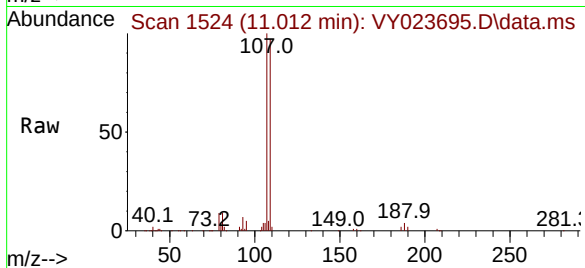
#61
1,2-Dibromoethane
Concen: 21.256 ug/l
RT: 11.012 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion:107 Resp: 77170
Ion Ratio Lower Upper
107 100
109 93.4 76.2 114.4

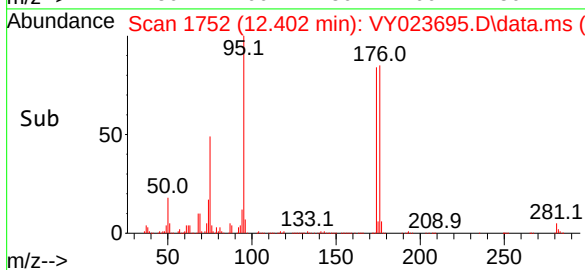
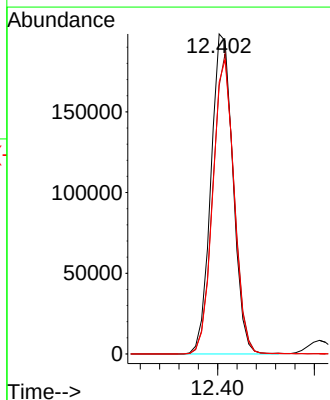
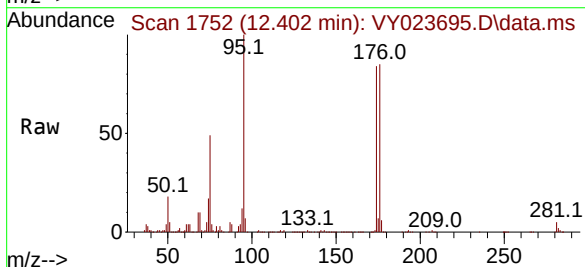
Manual Integrations
APPROVED

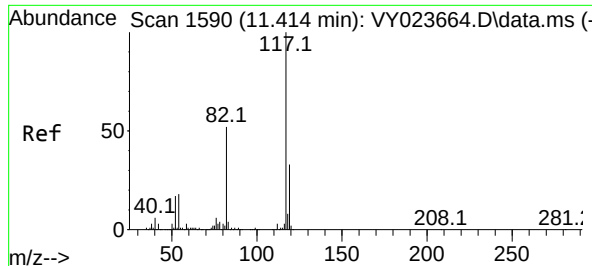
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#62
4-Bromofluorobenzene
Concen: 51.661 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

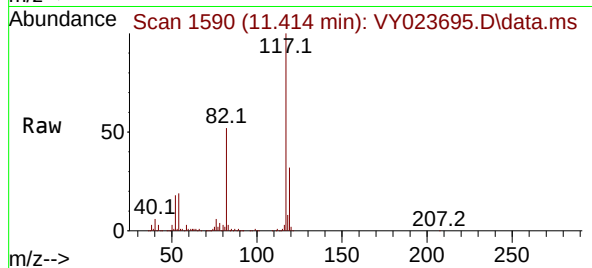
Tgt Ion: 95 Resp: 312769
Ion Ratio Lower Upper
95 100
174 90.3 0.0 184.8
176 89.0 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

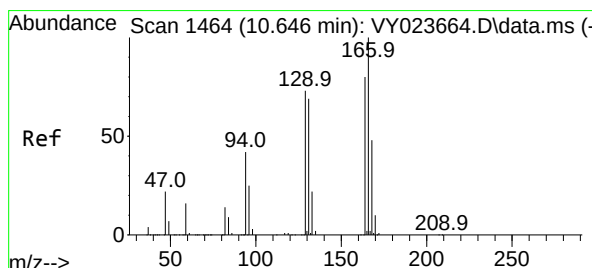
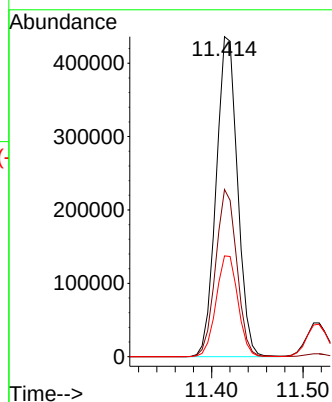
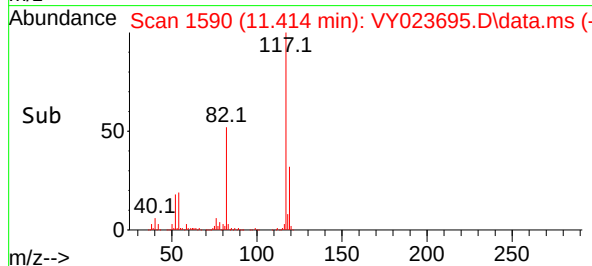
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



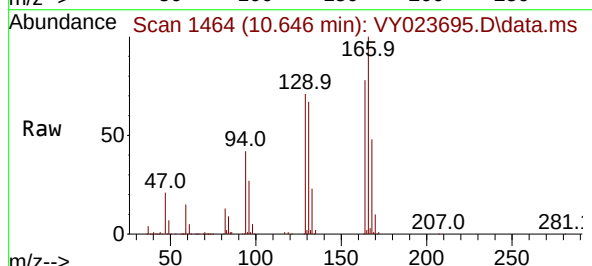
Tgt Ion:117 Resp: 70872
Ion Ratio Lower Upper
117 100
82 52.2 41.2 61.8
119 31.5 26.2 39.2

Manual Integrations
APPROVED

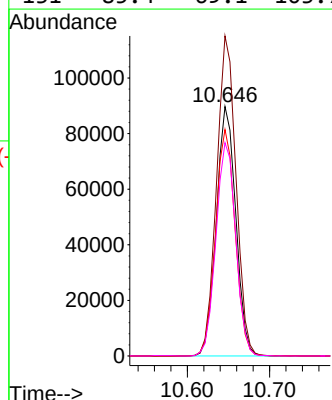
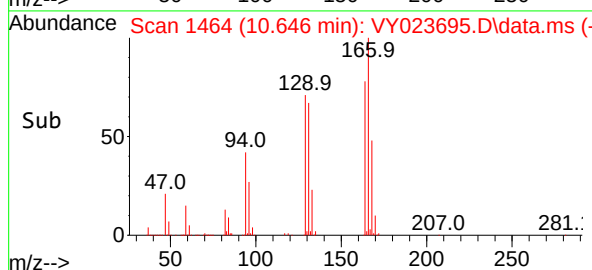
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

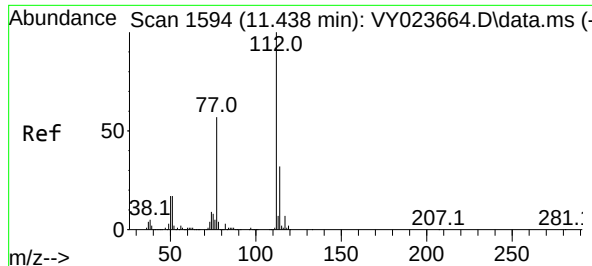


#64
Tetrachloroethene
Concen: 20.054 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



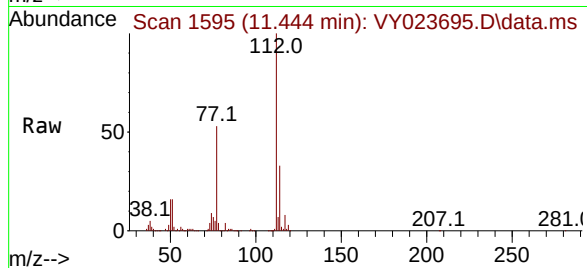
Tgt Ion:164 Resp: 147935
Ion Ratio Lower Upper
164 100
166 128.2 99.5 149.3
129 90.7 72.3 108.5
131 85.4 69.1 103.7





#65
Chlorobenzene
Concen: 20.368 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

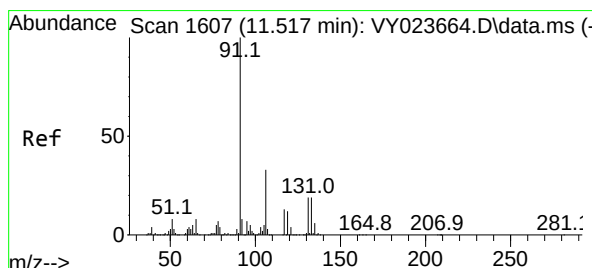
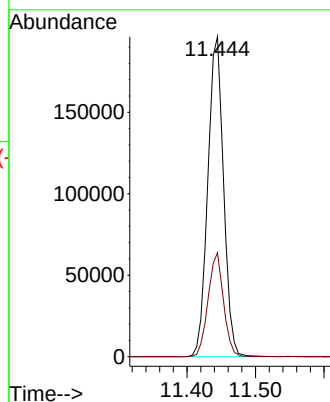
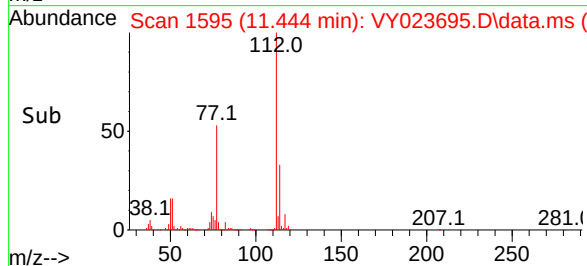
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



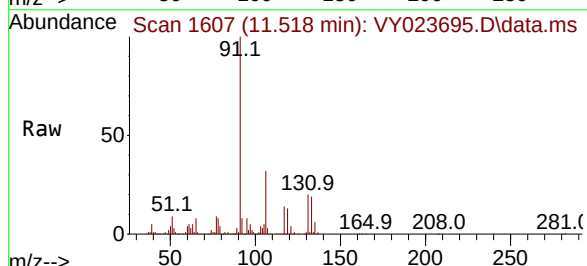
Tgt Ion:112 Resp: 314254
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

Manual Integrations
APPROVED

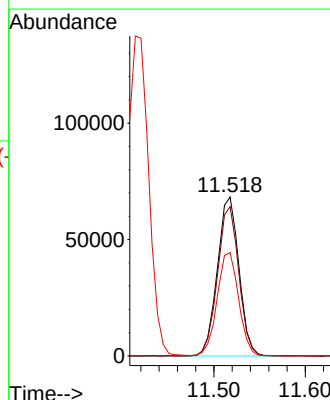
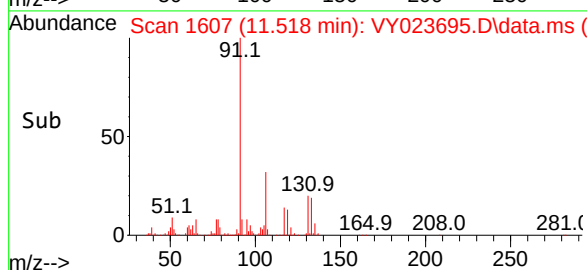
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

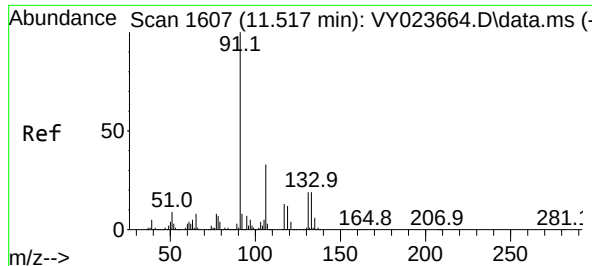


#66
1,1,1,2-Tetrachloroethane
Concen: 20.496 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



Tgt Ion:131 Resp: 111820
Ion Ratio Lower Upper
131 100
133 93.2 47.3 141.8
119 65.2 32.5 97.4





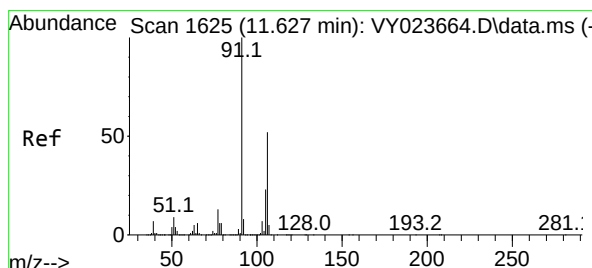
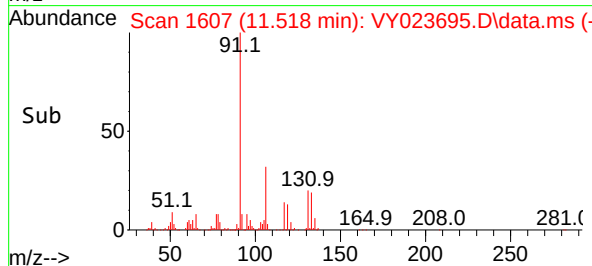
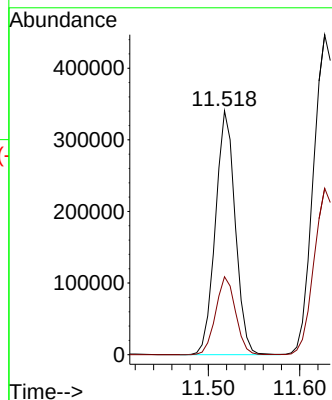
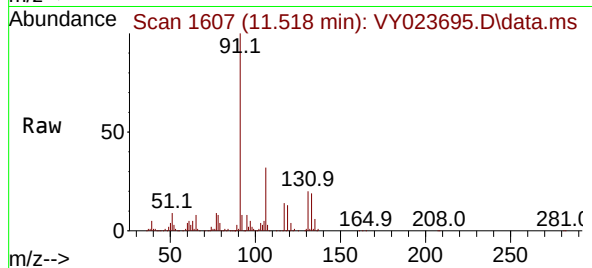
#67
Ethyl Benzene
Concen: 20.522 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion: 91 Resp: 512468
Ion Ratio Lower Upper
91 100
106 32.0 26.6 40.0

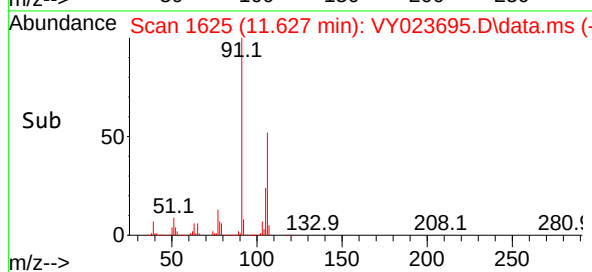
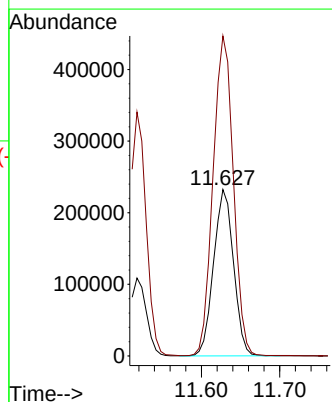
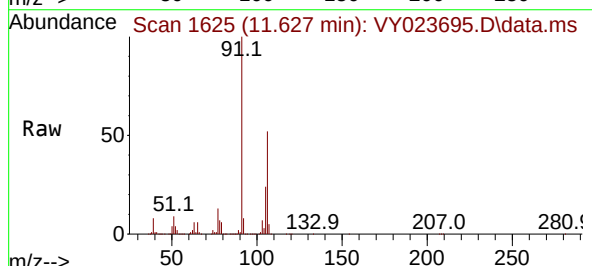
Manual Integrations
APPROVED

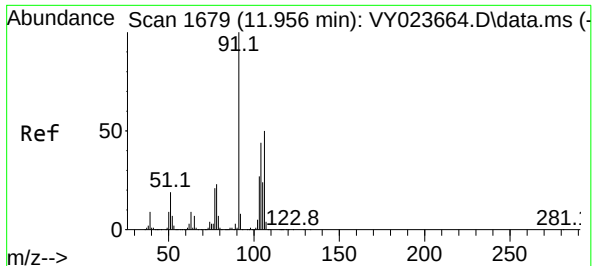
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#68
m/p-Xylenes
Concen: 41.199 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

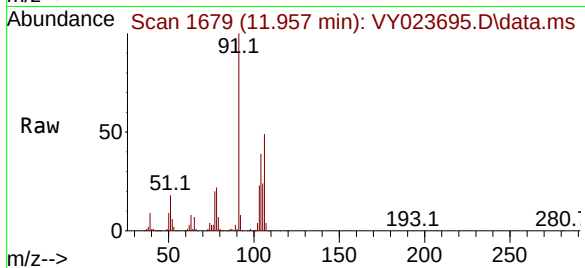
Tgt Ion:106 Resp: 411043
Ion Ratio Lower Upper
106 100
91 196.0 154.3 231.5





#69
o-Xylene
Concen: 20.146 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

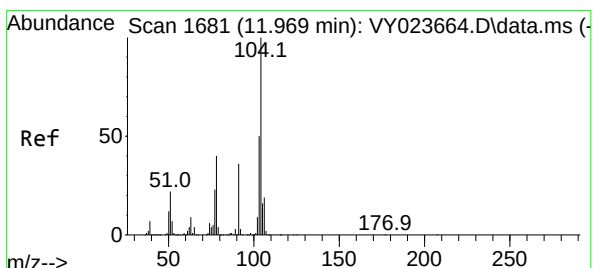
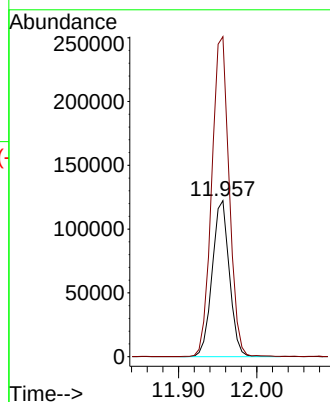
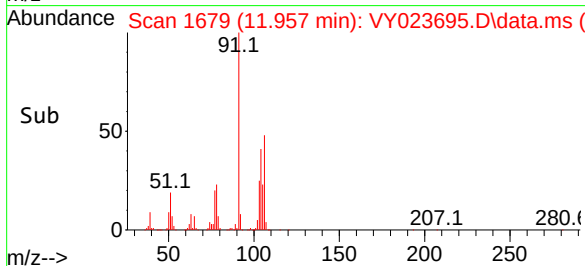
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



Tgt Ion:106 Resp: 185795
Ion Ratio Lower Upper
106 100
91 208.5 101.6 304.6

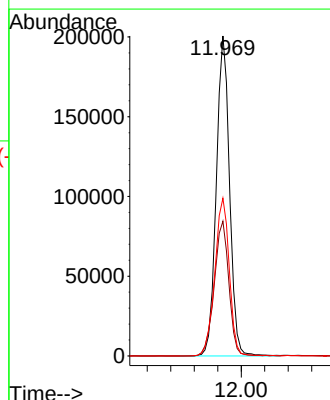
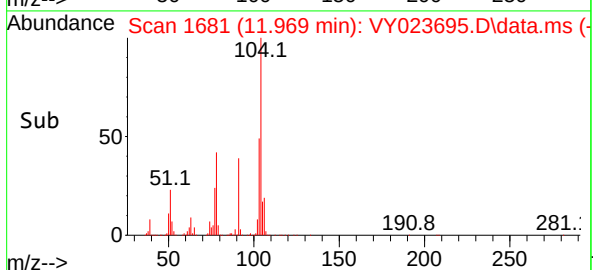
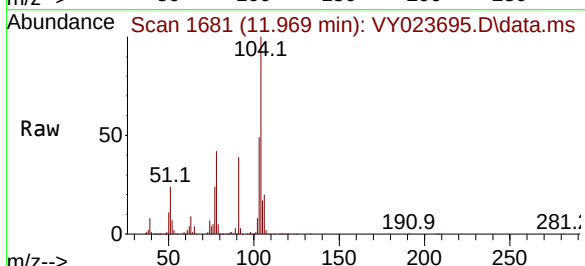
Manual Integrations
APPROVED

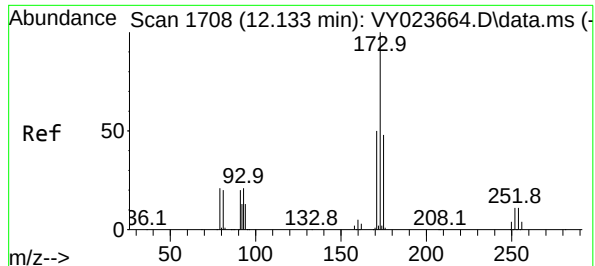
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#70
Styrene
Concen: 20.599 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

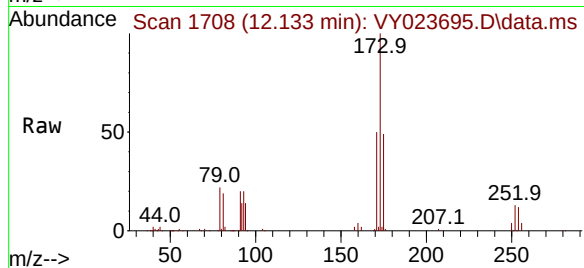
Tgt Ion:104 Resp: 313455
Ion Ratio Lower Upper
104 100
78 46.5 36.5 54.7
103 53.9 43.7 65.5





#71
Bromoform
Concen: 20.952 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

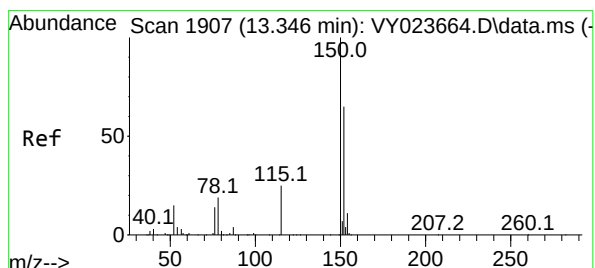
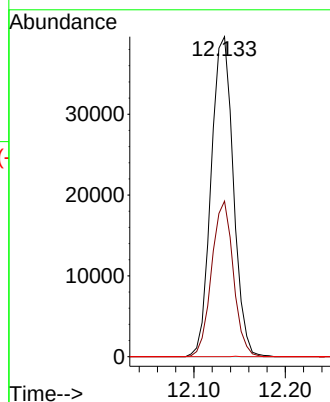
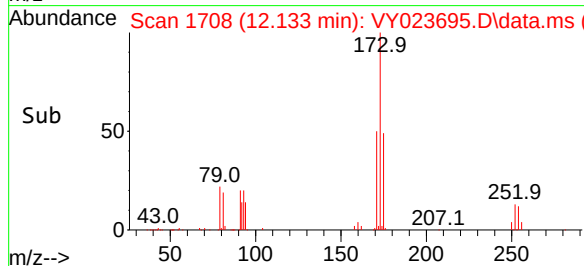
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



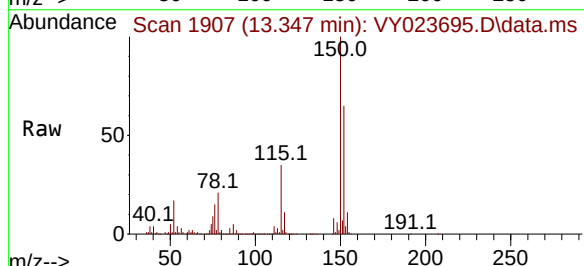
Tgt Ion:173 Resp: 66762
Ion Ratio Lower Upper
173 100
175 47.5 24.2 72.6
254 0.0 0.2 0.2

Manual Integrations
APPROVED

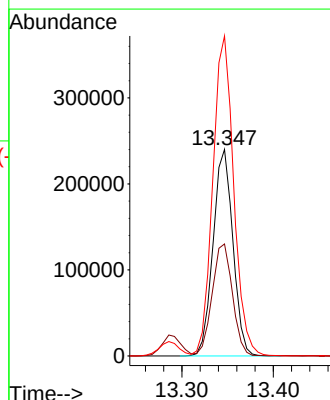
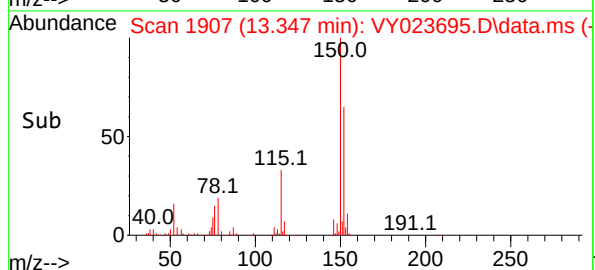
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

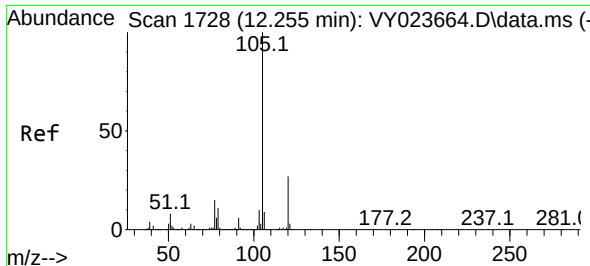


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



Tgt Ion:152 Resp: 361529
Ion Ratio Lower Upper
152 100
115 55.6 27.5 82.5
150 163.4 0.0 349.0





#73

Isopropylbenzene

Concen: 20.370 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:105 Resp: 492540

Ion Ratio Lower Upper

105 100

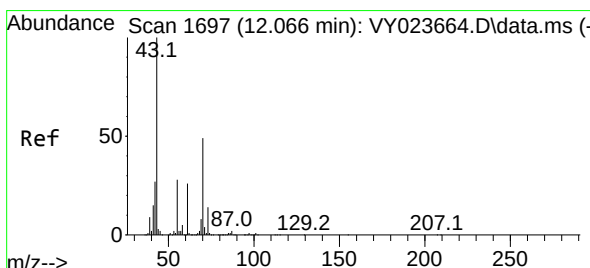
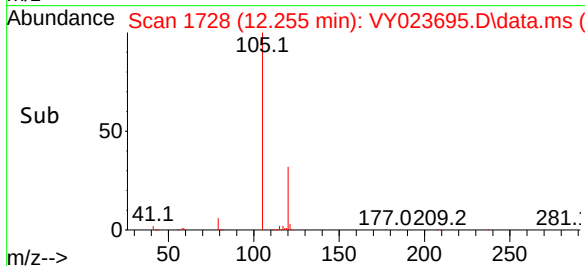
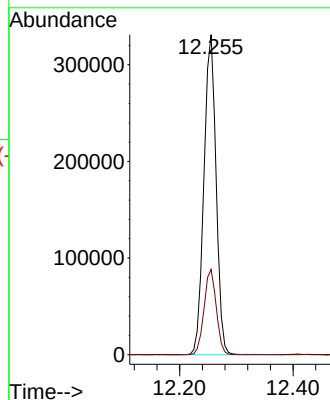
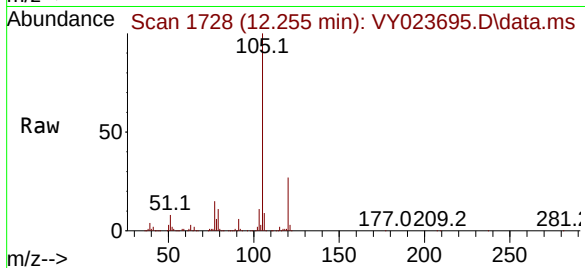
120 26.7 13.6 40.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#74

N-ethyl acetate

Concen: 20.683 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Tgt Ion: 43 Resp: 84670

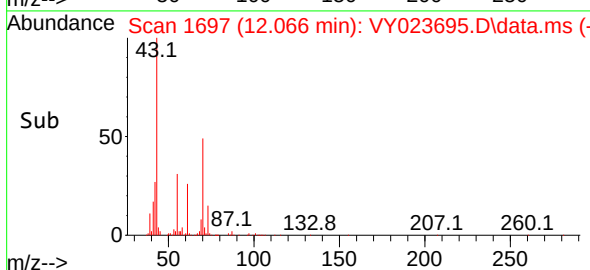
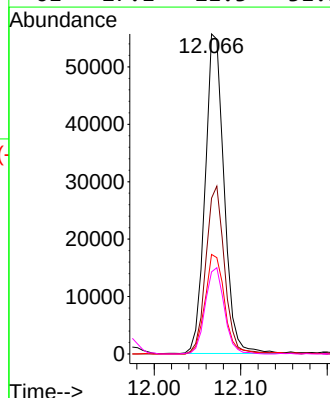
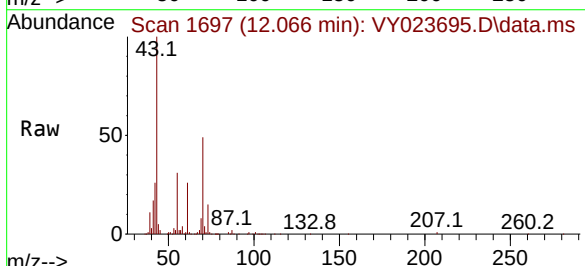
Ion Ratio Lower Upper

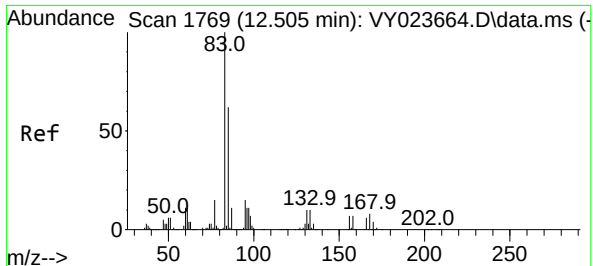
43 100

70 52.0 40.1 60.1

55 32.1 23.0 34.6

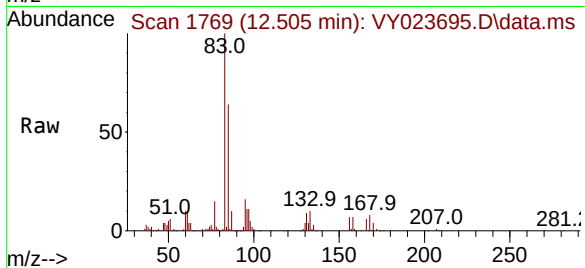
61 27.1 21.3 31.9





#75
1,1,2,2-Tetrachloroethane
Concen: 21.568 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

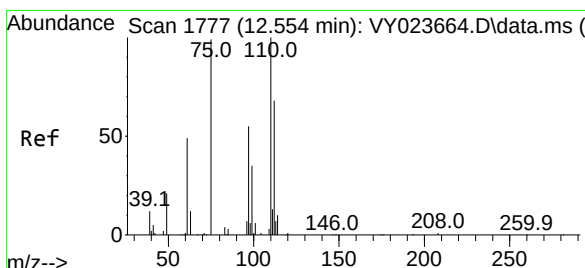
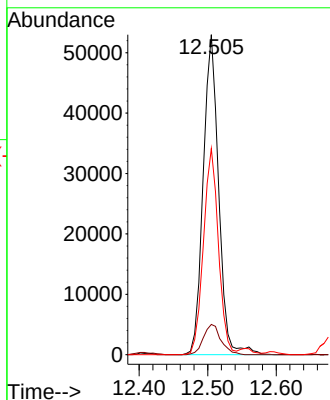
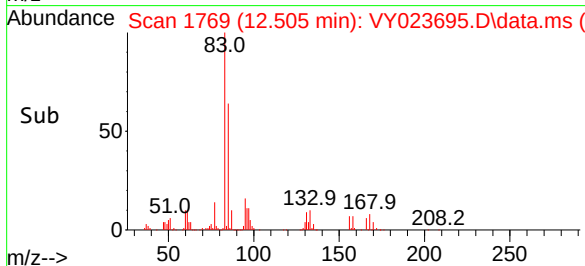
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



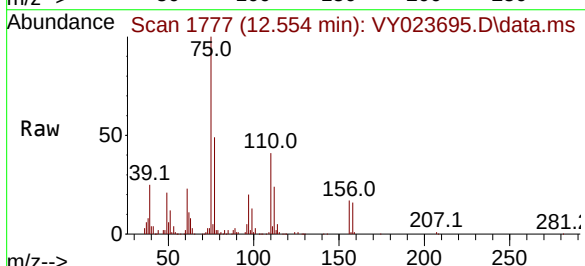
Tgt Ion: 83 Resp: 8329
Ion Ratio Lower Upper
83 100
131 10.7 5.7 17.0
85 62.4 31.9 95.7

Manual Integrations
APPROVED

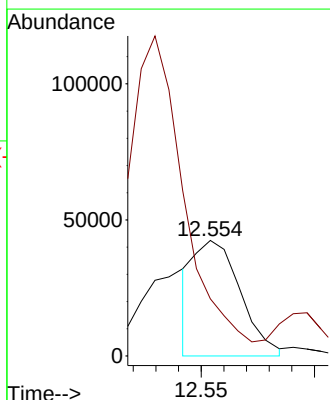
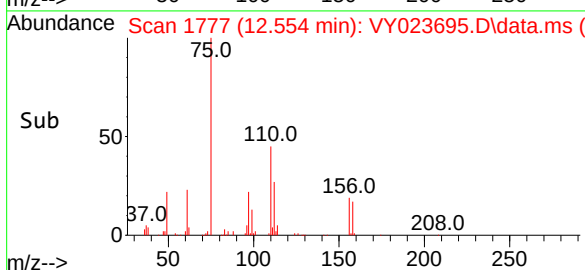
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

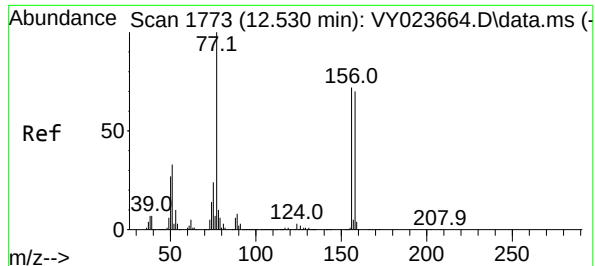


#76
1,2,3-Trichloropropane
Concen: 20.845 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



Tgt Ion: 75 Resp: 60991
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





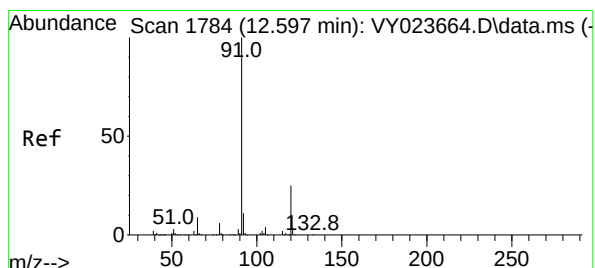
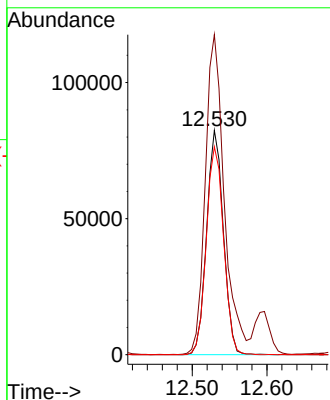
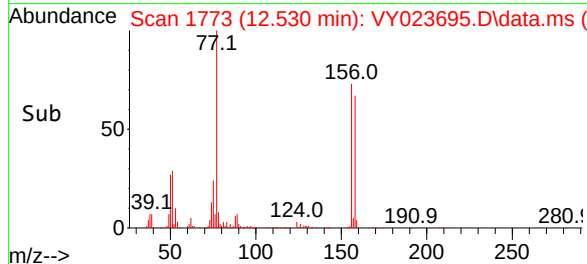
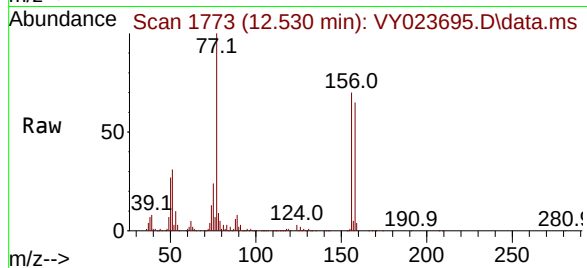
#77
Bromobenzene
Concen: 20.451 ug/l
RT: 12.530 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion:156 Resp: 12826
Ion Ratio Lower Upper
156 100
77 160.7 77.9 233.7
158 95.9 48.5 145.5

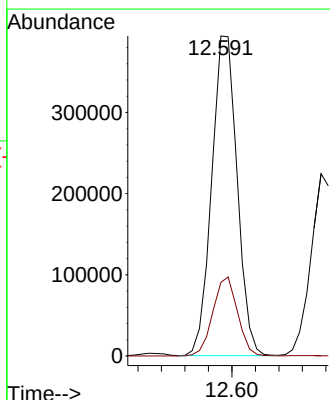
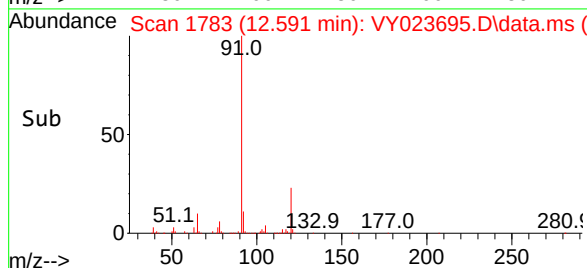
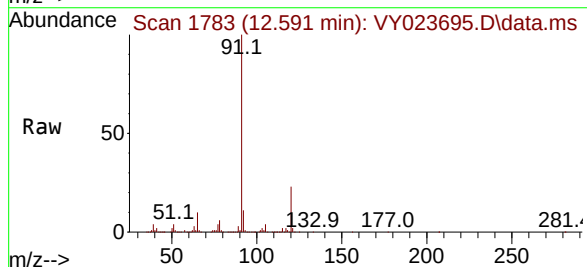
Manual Integrations
APPROVED

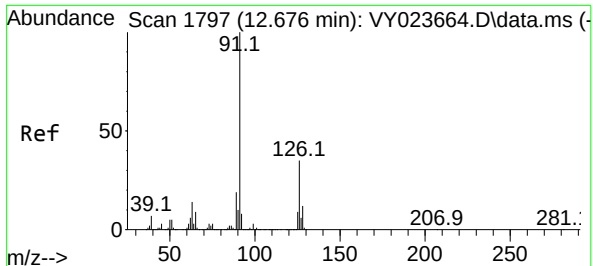
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#78
n-propylbenzene
Concen: 20.851 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Tgt Ion: 91 Resp: 593032
Ion Ratio Lower Upper
91 100
120 23.9 12.0 36.1





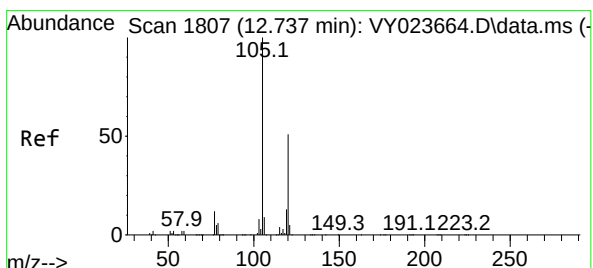
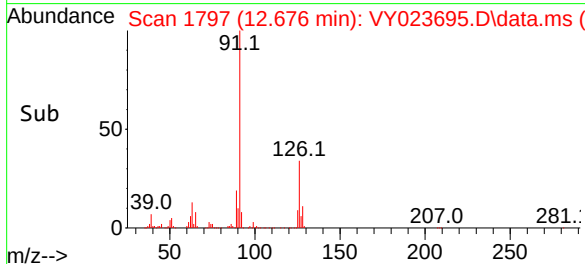
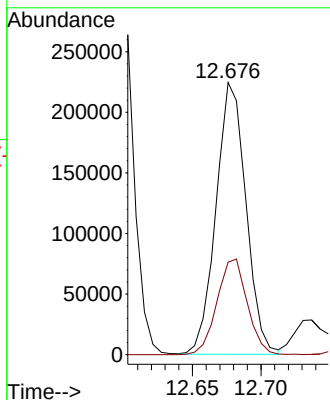
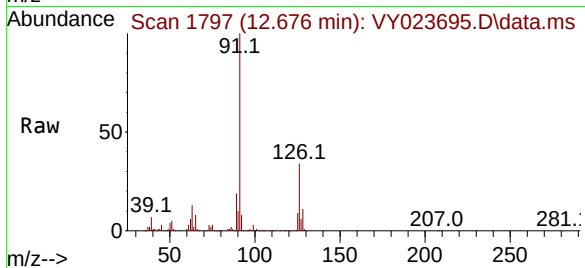
#79
2-Chlorotoluene
Concen: 20.703 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tgt Ion: 91 Resp: 34168
Ion Ratio Lower Upper
91 100
126 35.6 18.0 54.0

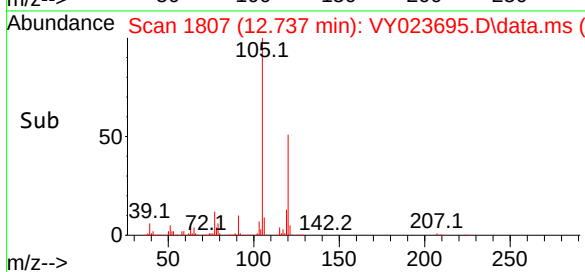
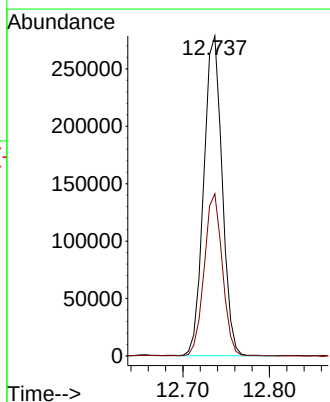
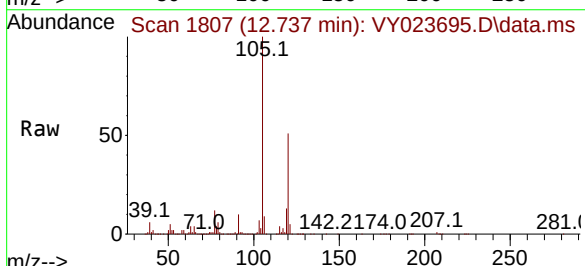
Manual Integrations
APPROVED

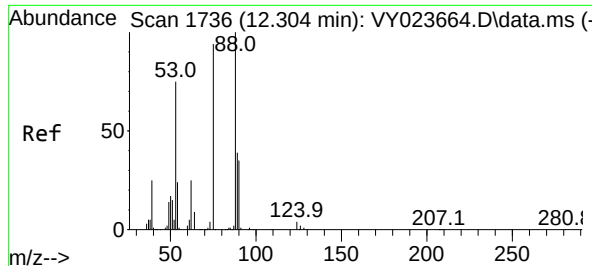
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.924 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

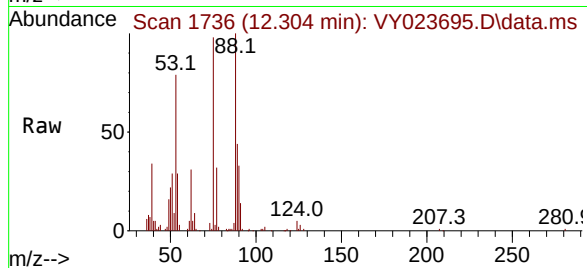
Tgt Ion:105 Resp: 411072
Ion Ratio Lower Upper
105 100
120 50.2 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 20.931 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

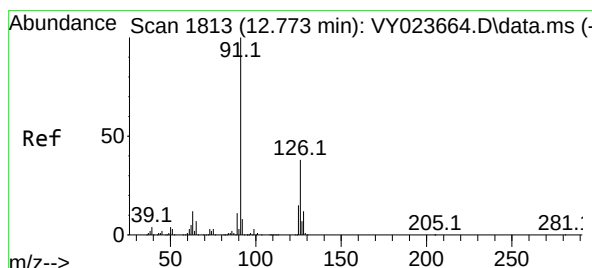
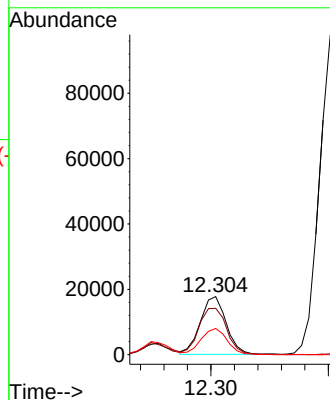
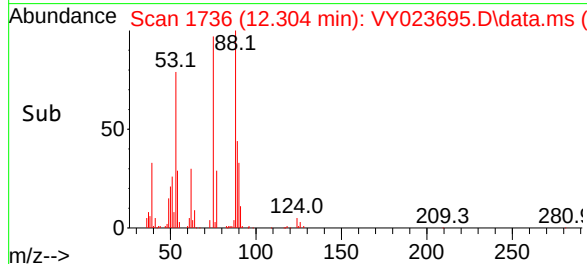
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



Tgt Ion: 75 Resp: 27099
Ion Ratio Lower Upper
75 100
53 87.5 69.6 104.4
89 46.2 38.2 57.4

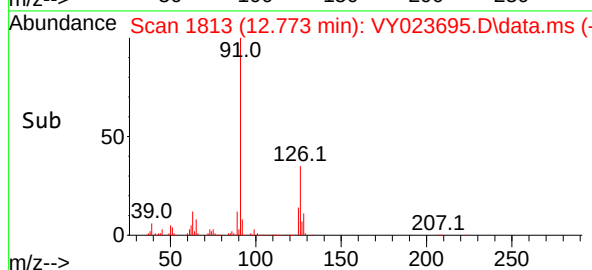
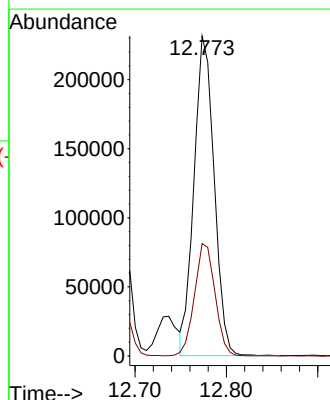
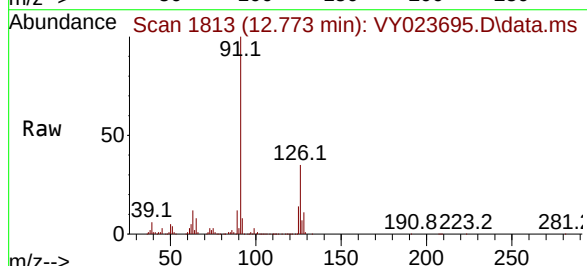
Manual Integrations
APPROVED

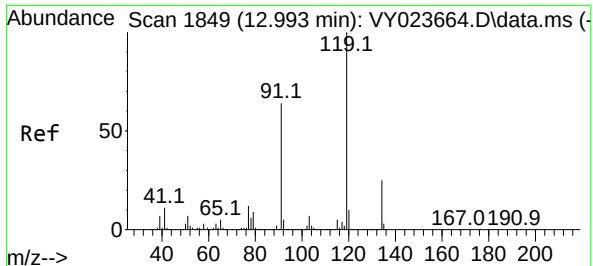
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025



#82
4-Chlorotoluene
Concen: 20.852 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

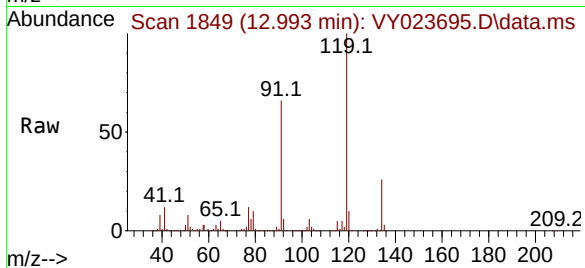
Tgt Ion: 91 Resp: 354923
Ion Ratio Lower Upper
91 100
126 35.9 18.1 54.4





#83
tert-Butylbenzene
Concen: 19.882 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

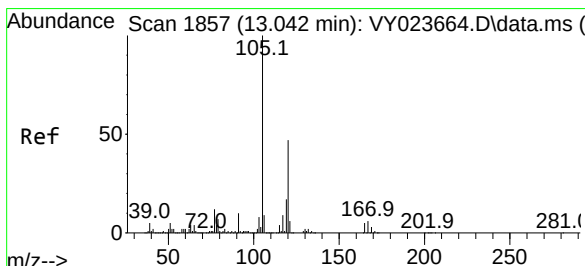
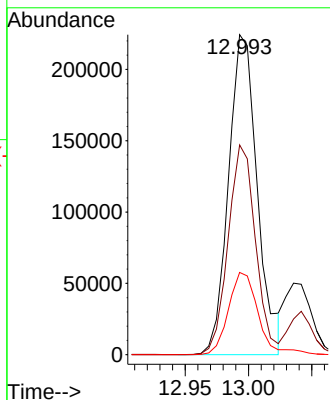
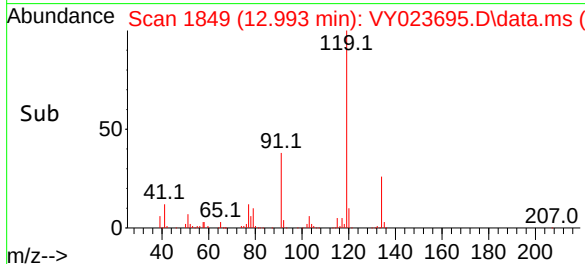
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



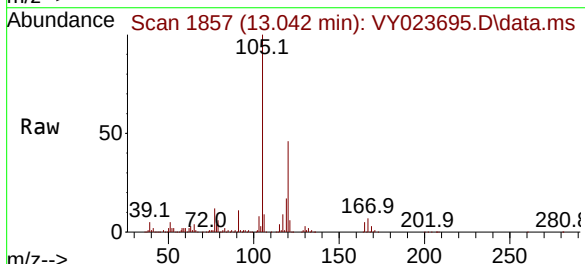
Tgt Ion:119 Resp: 355748
Ion Ratio Lower Upper
119 100
91 62.3 30.7 92.1
134 26.5 13.1 39.1

Manual Integrations
APPROVED

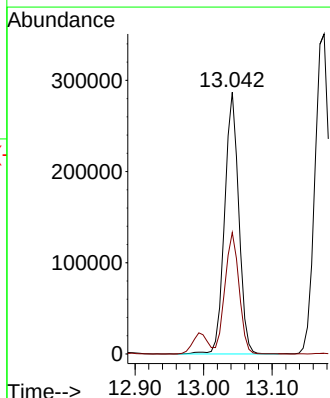
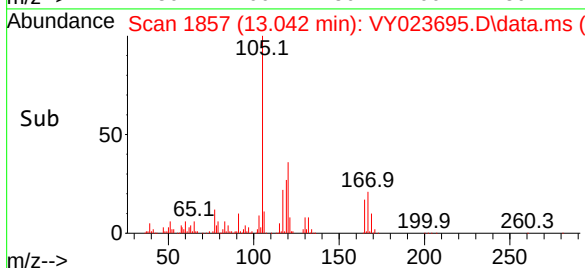
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

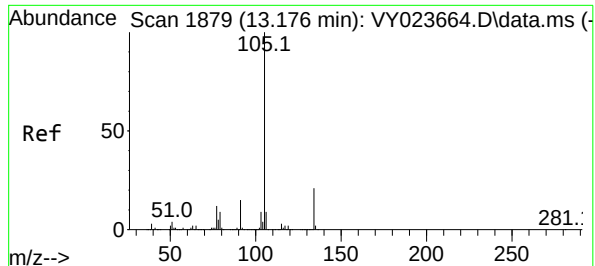


#84
1,2,4-Trimethylbenzene
Concen: 21.055 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



Tgt Ion:105 Resp: 409701
Ion Ratio Lower Upper
105 100
120 46.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.409 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:105 Resp: 526700

Ion Ratio Lower Upper

105 100

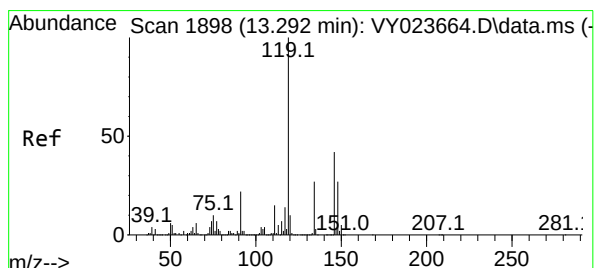
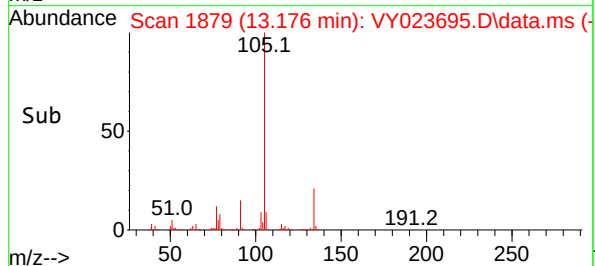
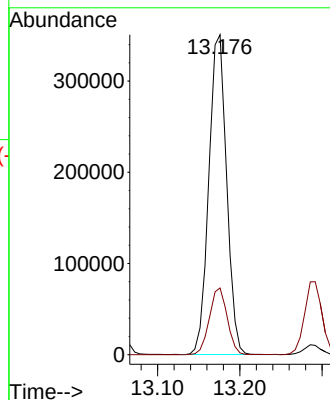
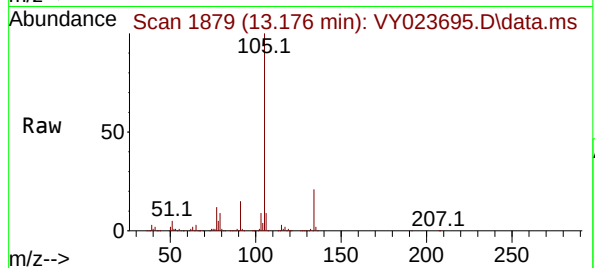
134 20.9 10.4 31.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#86

p-Isopropyltoluene

Concen: 20.424 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

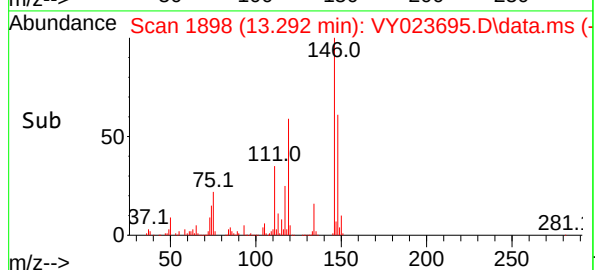
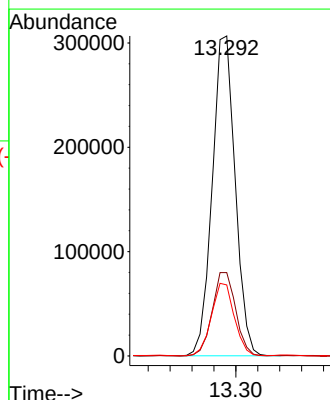
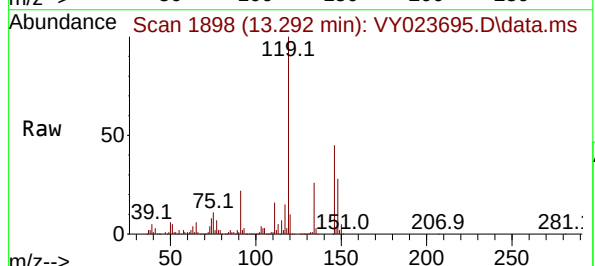
Tgt Ion:119 Resp: 446213

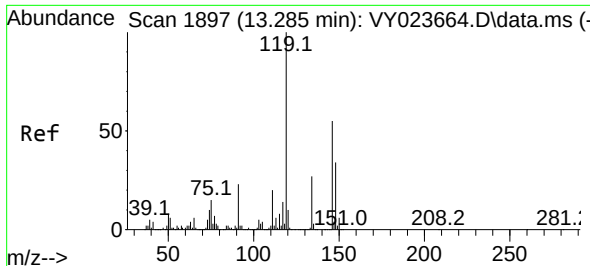
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.6 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 20.504 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion:146 Resp: 253110

Ion Ratio Lower Upper

146 100

111 37.0 18.8 56.3

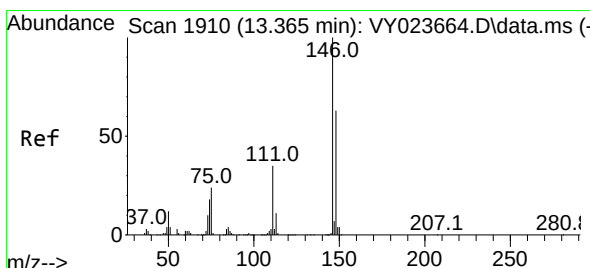
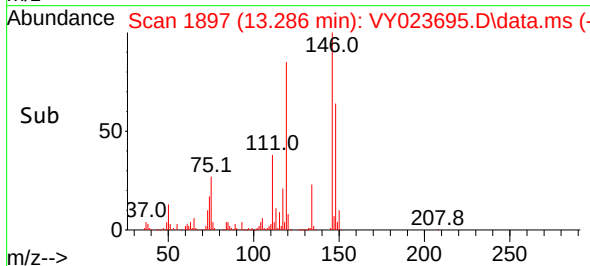
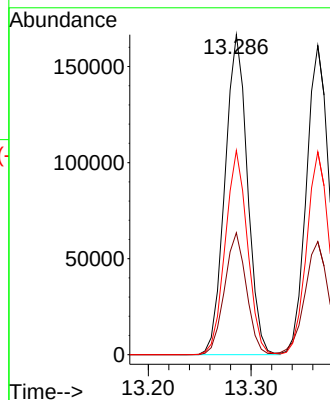
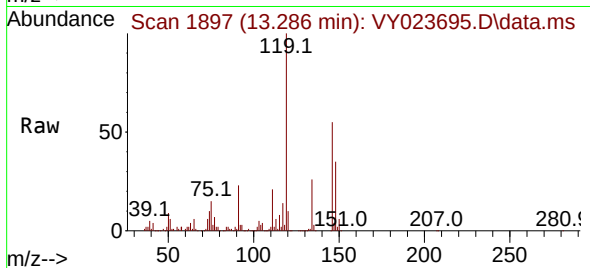
148 63.0 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#88

1,4-Dichlorobenzene

Concen: 20.388 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

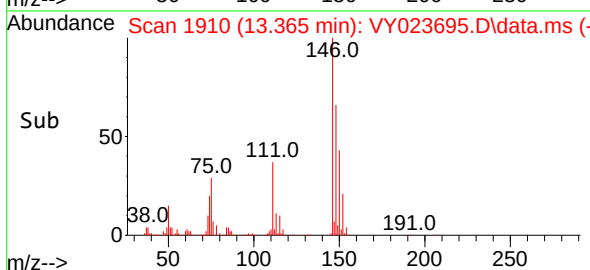
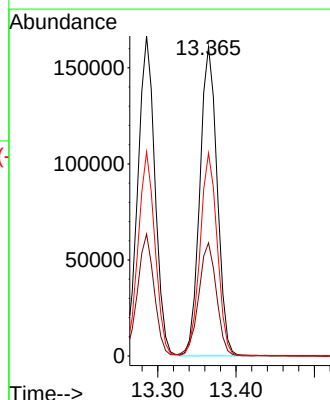
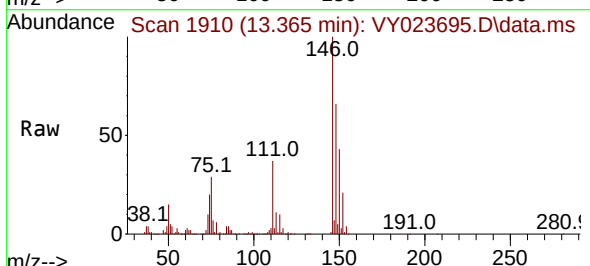
Tgt Ion:146 Resp: 247228

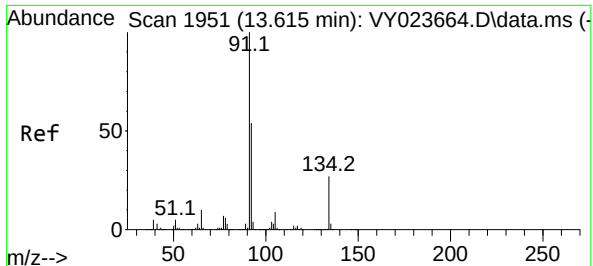
Ion Ratio Lower Upper

146 100

111 37.6 18.3 54.8

148 64.7 31.8 95.3





#89

n-Butylbenzene

Concen: 20.371 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

Tgt Ion: 91 Resp: 387010

Ion Ratio Lower Upper

91 100

92 52.8 26.5 79.4

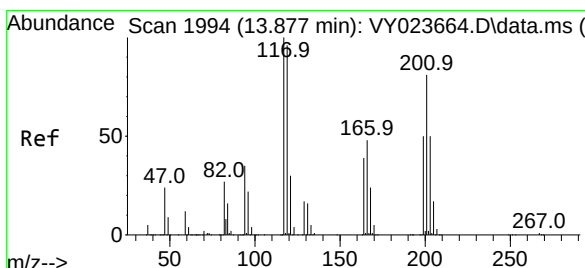
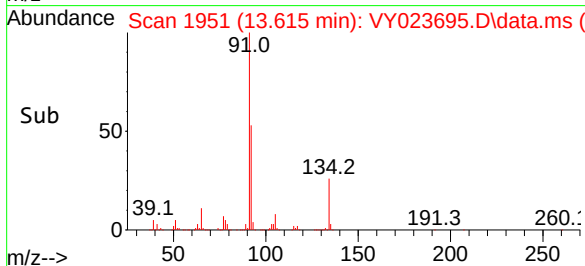
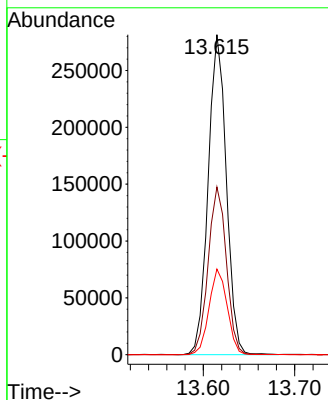
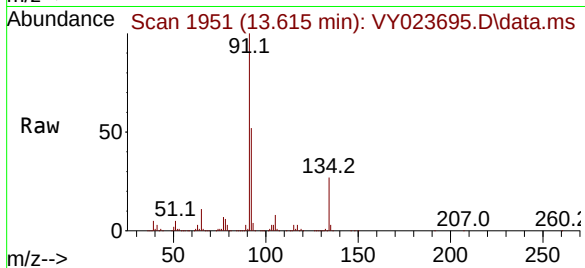
134 26.8 13.7 41.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#90

Hexachloroethane

Concen: 20.638 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VY023695.D

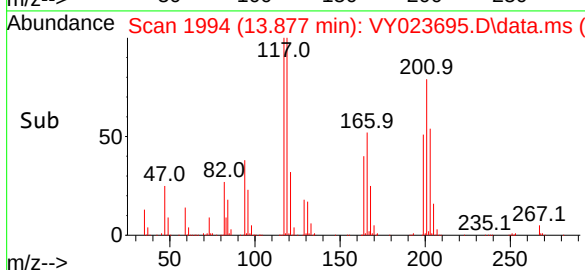
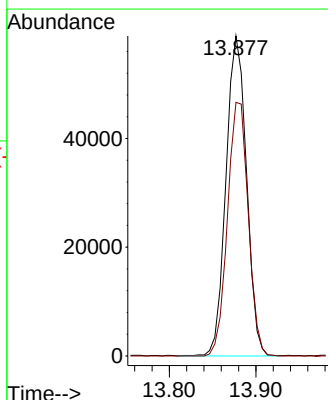
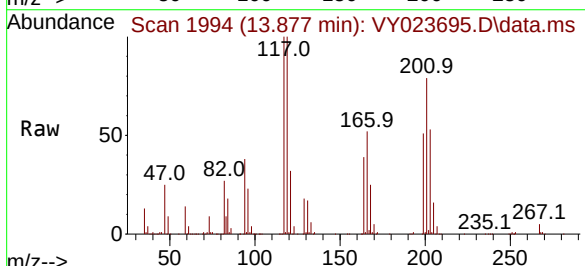
Acq: 06 Nov 2025 10:07

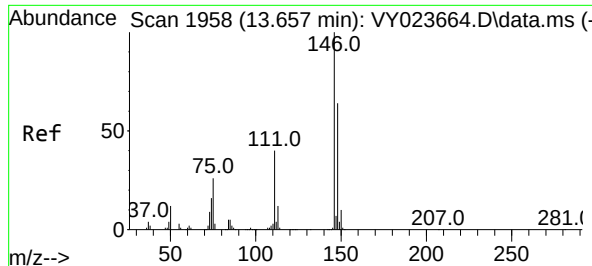
Tgt Ion:117 Resp: 96893

Ion Ratio Lower Upper

117 100

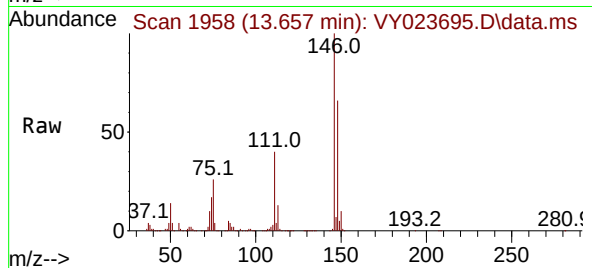
201 80.2 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 20.537 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

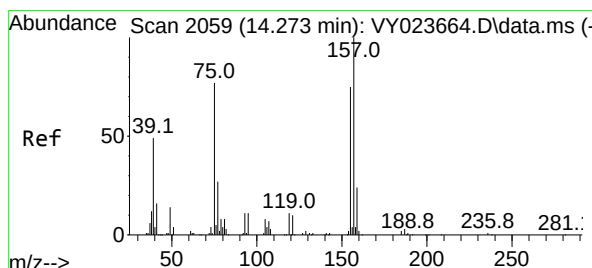
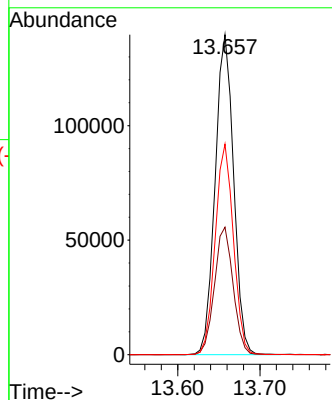
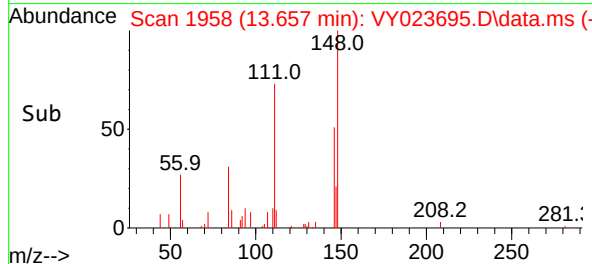
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



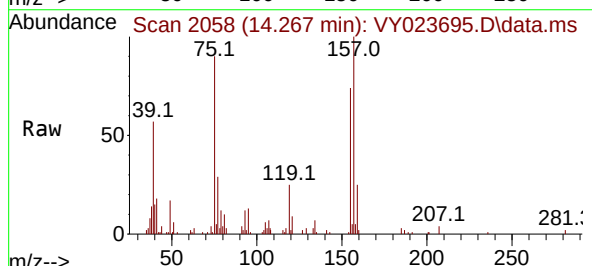
Tgt Ion:146 Resp: 21848
Ion Ratio Lower Upper
146 100
111 40.3 19.5 58.5
148 64.8 31.9 95.9

Manual Integrations
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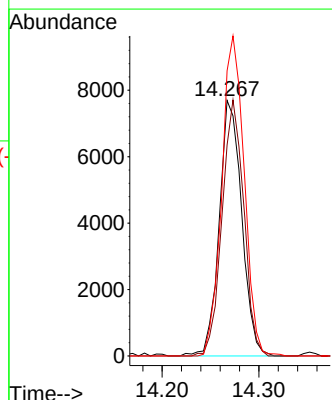
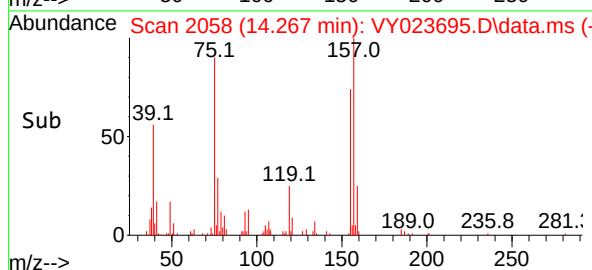
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

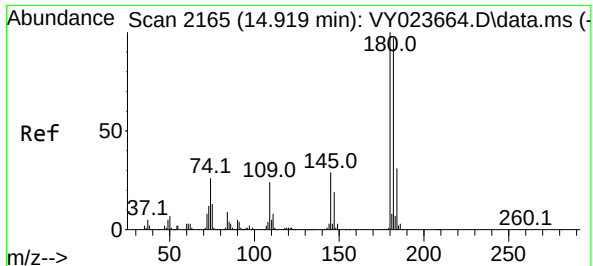


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.846 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



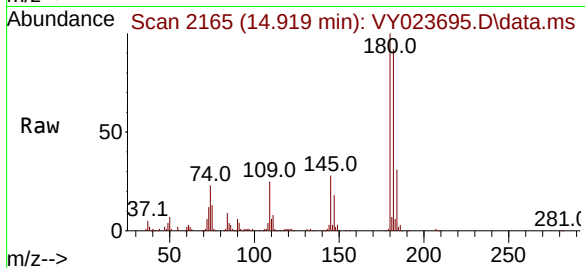
Tgt Ion: 75 Resp: 12395
Ion Ratio Lower Upper
75 100
155 96.7 49.4 148.2
157 125.0 63.2 189.8





#93
1,2,4-Trichlorobenzene
Concen: 20.385 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07

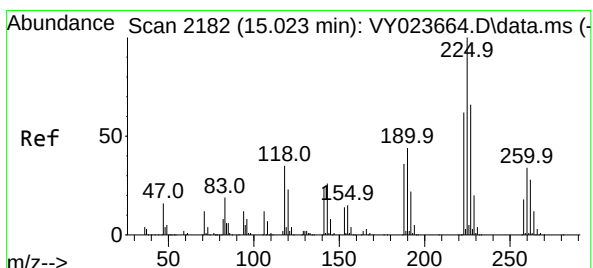
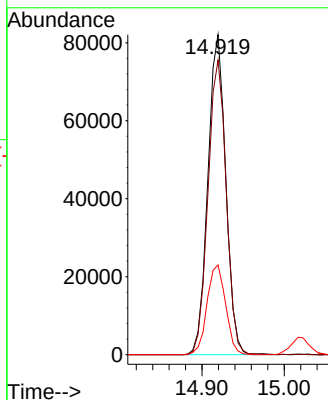
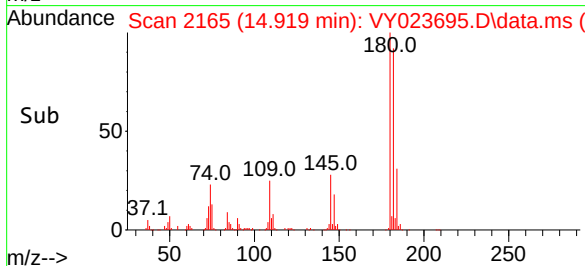
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01



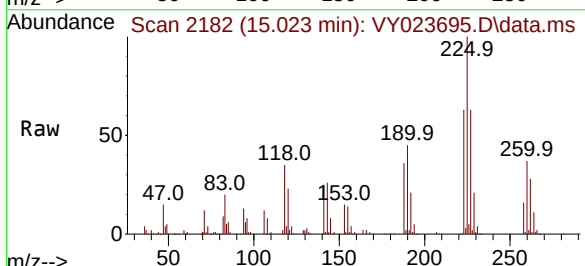
Tgt Ion:180 Resp: 12404
Ion Ratio Lower Upper
180 100
182 93.7 47.5 142.6
145 29.0 14.4 43.4

Manual Integrations
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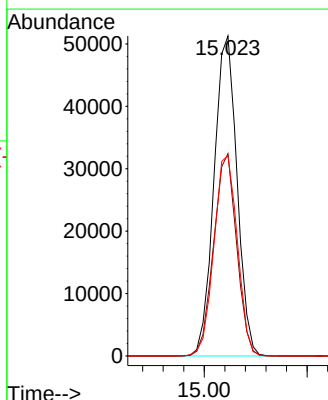
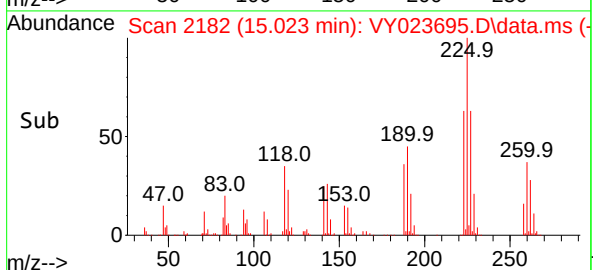
Reviewed By :Amit Patel 11/07/2025
Supervised By :Mahesh Dadoda 11/07/2025

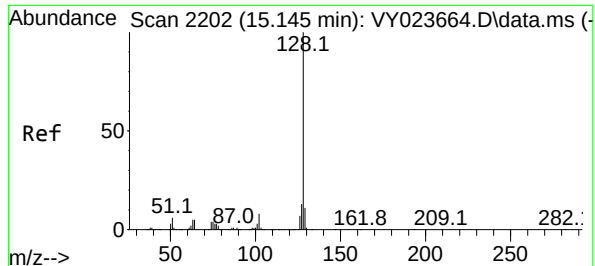


#94
Hexachlorobutadiene
Concen: 19.956 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY023695.D
Acq: 06 Nov 2025 10:07



Tgt Ion:225 Resp: 79566
Ion Ratio Lower Upper
225 100
223 63.1 30.8 92.3
227 63.9 32.0 96.2





#95

Naphthalene

Concen: 20.493 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Instrument :

MSVOA_Y

ClientSampleId :

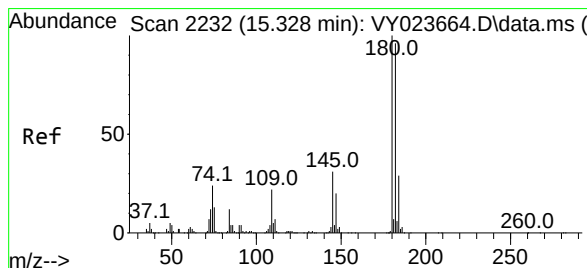
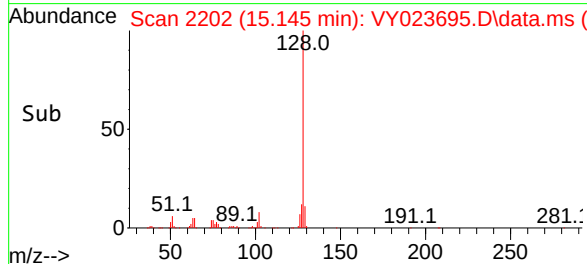
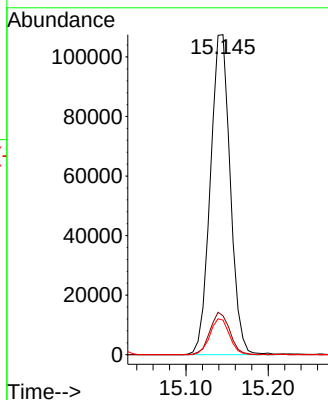
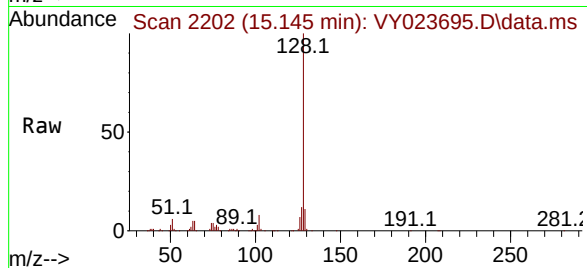
VY1106SBS01

Tgt Ion:	128	Resp:	18109
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.1	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/07/2025

Supervised By :Mahesh Dadoda 11/07/2025



#96

1,2,3-Trichlorobenzene

Concen: 20.682 ug/l

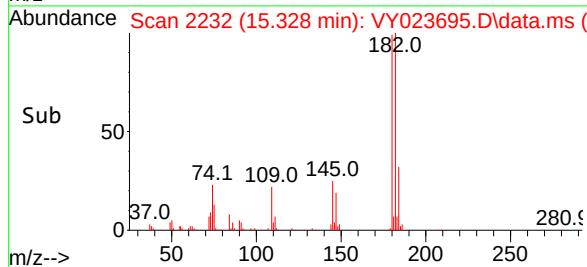
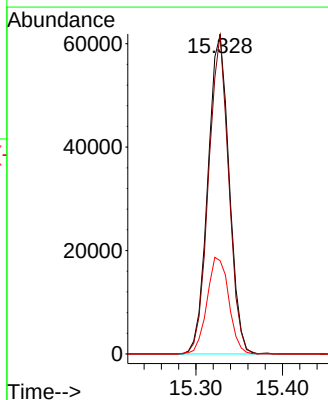
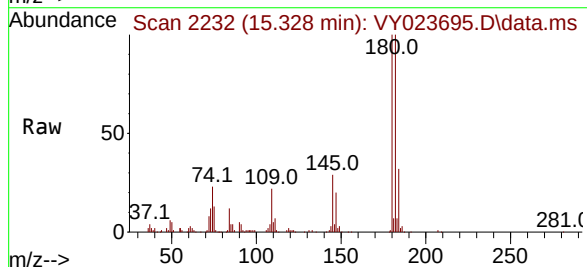
RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY023695.D

Acq: 06 Nov 2025 10:07

Tgt Ion:	180	Resp:	105148
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.5	142.6
145	31.1	15.5	46.5



Manual Integration Report

Sequence:	VY110425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023661.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:41 PM	MMDadoda	11/5/2025 2:42:20 PM	Peak Integrated by Software
VSTDICC010	VY023662.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:45 PM	MMDadoda	11/5/2025 2:42:23 PM	Peak Integrated by Software
VSTDICC010	VY023662.D	Methacrylonitrile	Amit	11/5/2025 2:39:45 PM	MMDadoda	11/5/2025 2:42:23 PM	Peak Integrated by Software
VSTDICC020	VY023663.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:50 PM	MMDadoda	11/5/2025 2:42:26 PM	Peak Integrated by Software
VSTDICC020	VY023663.D	Methacrylonitrile	Amit	11/5/2025 2:39:50 PM	MMDadoda	11/5/2025 2:42:26 PM	Peak Integrated by Software
VSTDICCC050	VY023664.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:54 PM	MMDadoda	11/5/2025 2:42:29 PM	Peak Integrated by Software
VSTDICC100	VY023665.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:41:22 PM	MMDadoda	11/5/2025 2:42:32 PM	Peak Integrated by Software
VSTDICC150	VY023666.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:59 PM	MMDadoda	11/5/2025 2:42:36 PM	Peak Integrated by Software
VSTDICV050	VY023668.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:40:02 PM	MMDadoda	11/5/2025 2:42:40 PM	Peak Integrated by Software
VSTDCCC050	VY023677.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:41:12 PM	MMDadoda	11/5/2025 2:42:58 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY110625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023692.D	1,2,3-Trichloropropane	Amit	11/7/2025 8:49:01 AM	MMDadoda	11/7/2025 1:48:15 PM	Peak Integrated by Software
VSTDCCC050	VY023692.D	Methacrylonitrile	Amit	11/7/2025 8:49:01 AM	MMDadoda	11/7/2025 1:48:15 PM	Peak Integrated by Software
VY1106SBS01	VY023694.D	1,2,3-Trichloropropane	Amit	11/7/2025 8:49:05 AM	MMDadoda	11/7/2025 1:48:22 PM	Peak Integrated by Software
VY1106SBSD0 1	VY023695.D	1,2,3-Trichloropropane	Amit	11/7/2025 8:49:09 AM	MMDadoda	11/7/2025 1:48:30 PM	Peak Integrated by Software
VSTDCCC050	VY023702.D	1,2,3-Trichloropropane	Amit	11/7/2025 8:49:16 AM	MMDadoda	11/7/2025 1:48:36 PM	Peak Integrated by Software

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY110425

Review By	Amit Patel	Review On	11/5/2025 2:42:53 PM		
Supervise By	Maresh Dadoda	Supervise On	11/6/2025 8:39:21 AM		
SubDirectory	VY110425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP136031			
Initial Calibration Stds		VP136032,VP136033,VP136034,VP136035,VP136036,VP136037			
CCC		VP136050,LOD VP136051,VP136052,LOQ VP136053			
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP136038			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023660.D	04 Nov 2025 08:11	SY/MD	Ok
2	VSTDIC005	VY023661.D	04 Nov 2025 09:19	SY/MD	Ok,M
3	VSTDIC010	VY023662.D	04 Nov 2025 09:42	SY/MD	Ok,M
4	VSTDIC020	VY023663.D	04 Nov 2025 10:19	SY/MD	Ok,M
5	VSTDIC050	VY023664.D	04 Nov 2025 10:42	SY/MD	Ok,M
6	VSTDIC100	VY023665.D	04 Nov 2025 11:05	SY/MD	Ok,M
7	VSTDIC150	VY023666.D	04 Nov 2025 11:27	SY/MD	Ok,M
8	VIBLK	VY023667.D	04 Nov 2025 11:51	SY/MD	Ok
9	VSTDICV050	VY023668.D	04 Nov 2025 12:14	SY/MD	Ok,M
10	VY1104SBL01	VY023669.D	04 Nov 2025 12:37	SY/MD	Ok
11	VY1104SBS01	VY023670.D	04 Nov 2025 13:14	SY/MD	Ok,M
12	VY1104SBSD01	VY023671.D	04 Nov 2025 13:37	SY/MD	Ok,M
13	Q3530-01	VY023672.D	04 Nov 2025 14:08	SY/MD	Ok,M
14	Q3530-01	VY023673.D	04 Nov 2025 14:31	SY/MD	Ok,M
15	Q3530-02	VY023674.D	04 Nov 2025 14:53	SY/MD	Ok,M
16	Q3532-03	VY023675.D	04 Nov 2025 15:16	SY/MD	Ok
17	Q3532-07	VY023676.D	04 Nov 2025 15:40	SY/MD	Ok
18	VSTDCCC050	VY023677.D	04 Nov 2025 16:26	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY110625

Review By	Amit Patel	Review On	11/7/2025 8:49:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/7/2025 1:48:59 PM		
SubDirectory	VY110625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136068			
CCC		VP136069,VP136070			
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	VY023691.D	06 Nov 2025 08:09	SY/MD	Ok
2	VSTDCCC050	VY023692.D	06 Nov 2025 08:42	SY/MD	Ok,M
3	VY1106SBL01	VY023693.D	06 Nov 2025 09:13	SY/MD	Ok
4	VY1106SBS01	VY023694.D	06 Nov 2025 09:44	SY/MD	Ok,M
5	VY1106SBSD01	VY023695.D	06 Nov 2025 10:07	SY/MD	Ok,M
6	Q3483-23	VY023696.D	06 Nov 2025 10:44	SY/MD	Dilution
7	VIBLK	VY023697.D	06 Nov 2025 11:08	SY/MD	Ok
8	Q3483-23DL	VY023698.D	06 Nov 2025 11:40	SY/MD	Ok
9	Q3562-01	VY023699.D	06 Nov 2025 14:05	SY/MD	Ok
10	Q3564-01	VY023700.D	06 Nov 2025 14:54	SY/MD	Ok
11	VIBLK	VY023701.D	06 Nov 2025 15:17	SY/MD	Ok
12	VSTDCCC050	VY023702.D	06 Nov 2025 15:40	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY110425

Review By	Amit Patel	Review On	11/5/2025 2:42:53 PM
Supervise By	Maresh Dadoda	Supervise On	11/6/2025 8:39:21 AM
SubDirectory	VY110425	HP Acquire Method	MSVOA_Y HP Processing Method 82y110425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136031
Initial Calibration Stds	VP136032,VP136033,VP136034,VP136035,VP136036,VP136037
CCC	VP136050,LOD VP136051,VP136052,LOQ VP136053
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136038
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023660.D	04 Nov 2025 08:11		SY/MD	Ok
2	VSTDIC005	VSTDIC005	VY023661.D	04 Nov 2025 09:19		SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VY023662.D	04 Nov 2025 09:42		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VY023663.D	04 Nov 2025 10:19		SY/MD	Ok,M
5	VSTDIC050	VSTDIC050	VY023664.D	04 Nov 2025 10:42	Comp. #95 on Linear Regression	SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VY023665.D	04 Nov 2025 11:05		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	VY023666.D	04 Nov 2025 11:27		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023667.D	04 Nov 2025 11:51		SY/MD	Ok
9	VSTDICV050	ICVVY110425	VY023668.D	04 Nov 2025 12:14		SY/MD	Ok,M
10	VY1104SBL01	VY1104SBL01	VY023669.D	04 Nov 2025 12:37		SY/MD	Ok
11	VY1104SBS01	VY1104SBS01	VY023670.D	04 Nov 2025 13:14		SY/MD	Ok,M
12	VY1104SBSD01	VY1104SBSD01	VY023671.D	04 Nov 2025 13:37		SY/MD	Ok,M
13	Q3530-01	LOD-MDL-SOIL-01-QT	VY023672.D	04 Nov 2025 14:08		SY/MD	Ok,M
14	Q3530-01	LOD-MDL-SOIL-01-QT	VY023673.D	04 Nov 2025 14:31		SY/MD	Ok,M
15	Q3530-02	LOQ-SOIL-02-QT4-202	VY023674.D	04 Nov 2025 14:53		SY/MD	Ok,M
16	Q3532-03	TP-1-VOC	VY023675.D	04 Nov 2025 15:16	vial-A	SY/MD	Ok
17	Q3532-07	TP-2-VOC	VY023676.D	04 Nov 2025 15:40	vial-A	SY/MD	Ok
18	VSTDCCC050	VSTDCCC050EC	VY023677.D	04 Nov 2025 16:26		SY/MD	Ok,M

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY110425

Review By	Amit Patel	Review On	11/5/2025 2:42:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 8:39:21 AM		
SubDirectory	VY110425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP136031			
Initial Calibration Stds		VP136032,VP136033,VP136034,VP136035,VP136036,VP136037			
CCC		VP136050,LOD VP136051,VP136052,LOQ VP136053			
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP136038			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY110625

Review By	Amit Patel	Review On	11/7/2025 8:49:45 AM
Supervise By	Maresh Dadoda	Supervise On	11/7/2025 1:48:59 PM
SubDirectory	VY110625	HP Acquire Method	MSVOA_Y HP Processing Method 82y110425s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136068
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136069, VP136070 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023691.D	06 Nov 2025 08:09		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023692.D	06 Nov 2025 08:42		SY/MD	Ok,M
3	VY1106SBL01	VY1106SBL01	VY023693.D	06 Nov 2025 09:13		SY/MD	Ok
4	VY1106SBS01	VY1106SBS01	VY023694.D	06 Nov 2025 09:44		SY/MD	Ok,M
5	VY1106SBSD01	VY1106SBSD01	VY023695.D	06 Nov 2025 10:07		SY/MD	Ok,M
6	Q3483-23	HW1025-PT-VOA-SOIL	VY023696.D	06 Nov 2025 10:44	NJ Soil PT ,Need 4X	SY/MD	Dilution
7	VIBLK	VIBLK	VY023697.D	06 Nov 2025 11:08		SY/MD	Ok
8	Q3483-23DL	HW1025-PT-VOA-SOIL	VY023698.D	06 Nov 2025 11:40		SY/MD	Ok
9	Q3562-01	EO-03-110625	VY023699.D	06 Nov 2025 14:05		SY/MD	Ok
10	Q3564-01	OR-03-11062025	VY023700.D	06 Nov 2025 14:54		SY/MD	Ok
11	VIBLK	VIBLK	VY023701.D	06 Nov 2025 15:17		SY/MD	Ok
12	VSTDCCC050	VSTDCCC050EC	VY023702.D	06 Nov 2025 15:40		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137700

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
Q3368-13	OUTSIDE-DUMPSTER	1	1.12	10.63	11.75	8.28	67.4	
Q3368-14	PRESS-SLUDGE	2	1.18	10.30	11.48	7.89	65.1	
Q3482-01	WC-1	37	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-02	WC-2	38	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-03	WC-3	39	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-04	WC-4	40	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-05	WC-5	41	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-06	WC-6	42	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-07	WC-7	43	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3483-01	HW1025-PT-AN-SOIL	3	1.00	1.00	2.00	2.00	100.0	
Q3483-02	HW1025-PT-CORR-SOIL	4	1.00	1.00	2.00	2.00	100.0	
Q3483-03	HW1025-PT-CN-SOIL	5	1.00	1.00	2.00	2.00	100.0	
Q3483-04	HW1025-PT-CN-SOIL	6	1.00	1.00	2.00	2.00	100.0	
Q3483-05	HW1025-PT-FP-SOIL	7	1.00	1.00	2.00	2.00	100.0	
Q3483-06	HW1025-PT-CR6-SOIL	8	1.00	1.00	2.00	2.00	100.0	
Q3483-07	HW1025-PT-NUT-SOIL	9	1.00	1.00	2.00	2.00	100.0	
Q3483-08	HW1025-PT-NUT-SOIL	10	1.00	1.00	2.00	2.00	100.0	
Q3483-09	HW1025-PT-OGF-SOIL	11	1.00	1.00	2.00	2.00	100.0	
Q3483-10	HW1025-PT-MET-SOIL	12	1.00	1.00	2.00	2.00	100.0	
Q3483-11	HW1025-PT-BNA-SOIL	13	1.00	1.00	2.00	2.00	100.0	
Q3483-12	HW1025-PT-TRIAZINE-SOIL	14	1.00	1.00	2.00	2.00	100.0	
Q3483-13	HW1025-PT-PAH-SOIL	15	1.00	1.00	2.00	2.00	100.0	
Q3483-14	HW1025-PT-DIES-SOIL	16	1.00	1.00	2.00	2.00	100.0	
Q3483-15	HW1025-PT-GAS-SOIL	17	1.00	1.00	2.00	2.00	100.0	
Q3483-16	HW1025-PT-NJEPH-SOIL	18	1.00	1.00	2.00	2.00	100.0	
Q3483-17	HW1025-PT-HERB-SOIL	19	1.00	1.00	2.00	2.00	100.0	
Q3483-18	HW1025-PT-PCB-SOIL	20	1.00	1.00	2.00	2.00	100.0	
Q3483-19	HW1025-PT-PCBO-SOIL	21	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137700

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
Q3483-20	HW1025-PT-PEST-SOIL	22	1.00	1.00	2.00	2.00	100.0	
Q3483-21	HW1025-PT-CHLOR-SOIL	23	1.00	1.00	2.00	2.00	100.0	
Q3483-22	HW1025-PT-TXP-SOIL	24	1.00	1.00	2.00	2.00	100.0	
Q3483-23	HW1025-PT-VOA-SOIL	25	1.00	1.00	2.00	2.00	100.0	
Q3483-25	HW1025-PT-NO2-SOIL	26	1.00	1.00	2.00	2.00	100.0	
Q3485-01	TR-04-102924	27	1.15	10.30	11.45	10.84	94.1	
Q3485-02	TR-04-102924-E2	28	1.19	10.30	11.49	10.77	93.0	
Q3486-01	TP3	29	1.17	10.45	11.62	11.07	94.7	
Q3486-02	TP3-E2	30	1.18	10.40	11.58	11.11	95.5	
Q3486-03	TP4	31	1.19	10.23	11.42	9.93	85.4	
Q3486-04	TP4-E2	32	1.17	10.52	11.69	10.09	84.8	
Q3486-05	TP5	33	1.17	10.65	11.82	10.02	83.1	
Q3486-06	TP5-E2	34	1.17	10.15	11.32	9.39	81.0	
Q3486-07	TP6	35	1.13	10.25	11.38	10.16	88.1	
Q3486-08	TP6-E2	36	1.16	10.48	11.64	10.32	87.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137100

WorkList Name : %1-102925

WorkList ID : 192745

Department : Wet-Chemistry

Date : 10-29-2025 07:47:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-13	OUTSIDE-DUMPSTER	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3368-14	PRESS-SLUDGE	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3482-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-02	WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-03	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-04	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-06	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-07	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3483-01	HW1025-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-02	HW1025-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-03	HW1025-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-04	HW1025-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-05	HW1025-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-06	HW1025-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-07	HW1025-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-08	HW1025-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-09	HW1025-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-10	HW1025-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-11	HW1025-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-12	HW1025-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO

Date/Time

10/29/25 15:00

Raw Sample Received by:

SWC

Raw Sample Relinquished by:

ALSM

Q3483-VOCMS Group1

Date/Time

10/29/25

17:30

Raw Sample Received by:

ALSM

Raw Sample Relinquished by:

SWC

WORKLIST(Hardcopy Internal Chain)

W137700

WorkList Name : %1-102925

WorkList ID : 192745

Department : Wet-Chemistry

Date : 10-29-2025 07:47:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-13	HW1025-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-14	HW1025-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-15	HW1025-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-16	HW1025-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-17	HW1025-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-18	HW1025-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-19	HW1025-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-20	HW1025-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-21	HW1025-PT-CHLOR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-22	HW1025-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-23	HW1025-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-25	HW1025-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3485-01	TR-04-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/29/2025	Chemtech -SO
Q3485-02	TR-04-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/29/2025	Chemtech -SO
Q3486-01	TP3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-02	TP3-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-03	TP4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-04	TP4-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-05	TP5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-06	TP5-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-07	TP6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/29/25 15:00
Raw Sample Received by: SB W/C
Raw Sample Relinquished by: CL(SM)

Date/Time 10/29/25 17:30
Raw Sample Received by: CL(SM)
Raw Sample Relinquished by: SB W/C

WORKLIST(Hardcopy Internal Chain)

UP 137700

WorkList Name : %1-102925

WorkList ID : 192745

Department : Wet-Chemistry

Date : 10-29-2025 07:47:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3486-08	TP6-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time

10/29/25 151.00

Raw Sample Received by:

EB WCI

Raw Sample Relinquished by:

CP (SM)

Q3483-VOCMS Group1

Date/Time

10/29/25 171.30

Raw Sample Received by:

CP (SM)

Raw Sample Relinquished by:

EB aolc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137714

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
Q3483-24	HW1025-PT-SOL-SOIL	1	1.16	10.70	11.86	9.24	75.5	
Q3487-01	KZZ294Z-A	2	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-02	KZZ294Z-B	3	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-03	KZZ256R-A	4	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-04	KZZ256R-B	5	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-05	JEH623H-A	6	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-06	JEH623H-B	7	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-07	M3-A	8	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-08	M3-B	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3488-01	MOO-25-0294-0298	10	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3488-02	MOO-25-0299	11	1.15	10.33	11.48	10.88	94.2	
Q3488-04	MOO-25-0302-0310	12	1.18	10.45	11.63	10.08	85.2	
Q3488-05	MOO-25-0302-0310	13	1.15	10.46	11.61	10.7	91.3	
Q3488-06	MOO-25-0311-0313	46	1.15	10.37	11.52	10.64	91.5	
Q3489-01	245F72-A	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-02	245F72-B	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-03	L54-A	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-04	L54-B	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-05	L55-A	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-06	L55-A	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-07	L56-A	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-08	L56-B	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-09	L57-A	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-10	L57-B	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-11	L58-A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-12	L58-2	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-13	L59-A	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-14	L59-B	27	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137714

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
Q3489-15	L60-A	28	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-16	L60-B	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-17	L61-A	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-18	L61-B	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-19	L62-A	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-20	L62-B	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-21	L63-A	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-22	L63-B	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-23	L64-A	36	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-24	L64-B	37	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-25	L65-A	38	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-26	L65-B	39	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-27	STC21-A	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-28	STC21-B	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-29	STF24-A	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-30	STF24-B	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3490-01	LAW-25-0151	44	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3491-01	SOIL-CUTTINGS-COMP	45	1.18	10.80	11.98	9.13	73.6	
Q3495-01	SB-1025-1	47	1.19	10.24	11.43	8.99	76.2	
Q3495-02	SB-1025-2	48	1.14	10.43	11.57	8.97	75.1	
Q3496-01	DRILL-CUTTINGS	49	1.19	10.61	11.8	10.33	86.1	
Q3496-02	DRILL-CUTTINGS-E2	50	1.13	10.49	11.62	10.11	85.6	
Q3497-01	OK-01-103025	51	1.13	10.93	12.06	10.37	84.5	
Q3497-02	OK-01-103025-E2	52	1.19	10.59	11.78	10.25	85.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UB 137714

WorkList Name : %1-103025

WorkList ID : 192793

Department : Wet-Chemistry

Date : 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-24	HW1025-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3487-01	KZZ294Z-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-02	KZZ294Z-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-03	KZZ256R-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-04	KZZ256R-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-05	JEH623H-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-06	JEH623H-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-07	M3-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-08	M3-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3488-01	MOO-25-0294-0298	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-02	MOO-25-0299	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-04	MOO-25-0302-0310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-05	MOO-25-0302-0310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-06	MOO-25-0311-0313	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-01	245F72-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-02	245F72-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-03	L54-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-04	L54-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-05	L55-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-06	L55-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-07	L56-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/30/25 15:00

Raw Sample Received by: JO (WEC)

Raw Sample Relinquished by: RJ (L54-V66)

Q3483-VOCMS Group1

Date/Time 10/30/25 17:30

Raw Sample Received by: RJ (L54-V66)

Raw Sample Relinquished by: JO (WEC)

WORKLIST(Hardcopy Internal Chain)

WB 137714

WorkList Name : %1-103025

WorkList ID : 192793

Department : Wet-Chemistry

Date : 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3489-08	L56-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-09	L57-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-10	L57-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-11	L58-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-12	L58-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-13	L59-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-14	L59-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-15	L60-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-16	L60-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-17	L61-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-18	L61-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-19	L62-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-20	L62-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-21	L63-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-22	L63-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-23	L64-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-24	L64-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-25	L65-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-26	L65-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-27	STC21-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-28	STC21-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/30/25 15:00

Raw Sample Received by: JQ WCI

Raw Sample Relinquished by: RJ CELL-1466)

Q3483-VOCMS Group1

Date/Time 10/30/25 17:30

Raw Sample Received by: RJ CELL-1466)

Raw Sample Relinquished by: JQ WCI

WORKLIST(Hardcopy Internal Chain)

UB 13FF14

WorkList Name : %1-103025

WorkList ID : 192793

Department : Wet-Chemistry

Date : 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3489-29	STF24-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-30	STF24-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3490-01	LAW-25-0151	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3491-01	SOIL-CUTTINGS-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3495-01	SB-1025-1	Solid	Percent Solids	Cool 4 deg C	REMI02	D51	10/27/2025	Chemtech -SO
Q3495-02	SB-1025-2	Solid	Percent Solids	Cool 4 deg C	REMI02	D51	10/27/2025	Chemtech -SO
Q3496-01	DRILL-CUTTINGS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/30/2025	Chemtech -SO
Q3496-02	DRILL-CUTTINGS-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/30/2025	Chemtech -SO
Q3497-01	OK-01-103025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/30/2025	Chemtech -SO
Q3497-02	OK-01-103025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/30/2025	Chemtech -SO

Date/Time 10/30/25 15:00
 Raw Sample Received by: SB WLC
 Raw Sample Relinquished by: RJ (EIT-106)
 Q3483-VOCMS Group1

Date/Time 10/30/25 17:30
 Raw Sample Received by: RJ (EIT-106)
 Raw Sample Relinquished by: SB WLC
 657 of 741

Prep Standard - Chemical Standard Summary

Order ID : Q3483

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VY110625,

Standard ID :

VP133934,VP134147,VP134149,VP134150,VP134934,VP134957,VP135834,VP135835,VP136027,VP136028,VP136068,VP136069,VP136070,

Chemical ID :

V13391,V14290,V14511,V14512,V14533,V14534,V14625,V14636,V14637,V14638,V14639,V14673,V14697,V14698,V14701,V14735,V14738,V14813,V14816,V14844,V14906,V14921,V14928,V14929,V14931,V14955,V14956,V15073,V15074,V15075,W3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP134147	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 1.00000ml of V14673 + 19.00000ml of V14929 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh 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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1811	8260 Working Std(2-CVE)-500ppm	VP134150	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								06/10/2025

FROM 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
249	8260 Surrogate, 100PPM	VP134934	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Maresh Dadoda
08/06/2025								

FROM 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
08/06/2025								

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135834	10/17/2025	11/16/2025	Semsettin Yesilyurt	None	None	Maresh 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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
56	8260 Working STD (Acrolein) -first source, 500PPM	VP135835	10/17/2025	11/16/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								10/17/2025

FROM 7.50000ml of V14928 + 12.50000ml of VP135834 = Final Quantity: 20.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP136027	11/04/2025	12/15/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/04/2025
FROM 0.40000ml of V14844 + 1.00000ml of V14511 + 1.00000ml of V14512 + 1.00000ml of V14533 + 1.00000ml of V14534 + 1.00000ml of V14701 + 1.00000ml of V14735 + 1.00000ml of V14738 + 1.00000ml of V14813 + 1.00000ml of V14816 + 1.00000ml of V14955 + 1.00000ml of V14956 + 1.50000ml of V14697 + 1.50000ml of V14698 + 10.60000ml of V14931 = Final Quantity: 25.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
244	8260 Calibration Working STD Mix-First source, 100PPM	VP136028	11/04/2025	12/15/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 11/04/2025
FROM 5.62500ml of V14931 + 9.37500ml of VP136027 = Final Quantity: 15.000 ml								

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
732	BFB TUNE CHECK - SOIL	VP136068	11/06/2025	11/07/2025	Amit Patel	None	None	Maresh Dadoda
								11/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP136069	11/06/2025	11/07/2025	Amit Patel	None	None	Maresh Dadoda
								11/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135835
+ 0.00250ml of VP136028 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
773	50 PPB CCC, 8260-SOIL	VP136070	11/06/2025	11/07/2025	Amit Patel	None	None	Maresh Dadoda
FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134934 + 0.00250ml of VP135835 + 0.00250ml of VP136028 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml								

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	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	04/30/2026	10/31/2025 / sam	09/17/2024 / SAM	V14511

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	04/30/2026	10/31/2025 / sam	09/17/2024 / SAM	V14512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	04/30/2026	10/31/2025 / sam	09/18/2024 / SAM	V14533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	04/30/2026	10/31/2025 / sam	09/18/2024 / SAM	V14534

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	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 #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

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	V14673

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14701

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14735

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	04/30/2026	10/31/2025 / sam	12/17/2024 / SAM	V14738

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	A0220471	04/30/2026	10/31/2025 / sam	01/08/2025 / SAM	V14813

LOTS

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE	A0220471	04/30/2026	10/31/2025 / sam	01/08/2025 / SAM	V14816

LOTS

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	04/27/2026	10/27/2025 / sam	05/09/2025 / SAM	V14931

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	04/30/2026	10/31/2025 / sam	05/19/2025 / SAM	V14955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	04/30/2026	10/31/2025 / sam	05/19/2025 / SAM	V14956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	101625	11/16/2025	10/17/2025 / sam	10/17/2025 / sam	V15075

CHEMICAL RECEIPT LOG BOOK

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 / lwona	07/03/2024 / lwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration 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



Ree 03117/24

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#: BUTB

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

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

Compound	(KME)	Lot	DR	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)	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)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102366	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8h)	or-rat 700mg/kg
3. Carbon disulfide	(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)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-6	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP9041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS000C	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	N/A
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)	or-rat 14800mg/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)	or-rat 3460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8h) (skin)	or-rat 120mg/kg
11. Methyl acrylate	(0755)	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)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKGW6137V	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)	or-rat 787mg/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)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	HG02JXK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8h)	or-rat 720mg/kg
15. Pentachloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18990	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	78-13-1	1000 ppm (7600mg/m3/8h)	or-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	or-rat 915mg/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	or-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	158-59-2	N/A	or-rat 848mg/kg
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	158-60-5	N/A	or-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	or-rat 820mg/kg
22. 1,1-Dichloroethane	35171	101623	0.05	5.00	40003.2	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8h)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8h)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8h) (final)	or-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 (1800mg/m3/8h)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	86-12-8	0.001 ppm	or-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	108-83-4	20 ppm (8h)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40001.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8h)	or-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8h)	or-rat 1847mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	or-rat 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.1	28.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10081-01-5	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	10081-02-6	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)	or-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	830-20-6	N/A	or-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)	or-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)	or-rat 936mg/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)	or-mus 240mg/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	98-18-4	10 ppm (60mg/m3/8h)	or-rat 149.8mg/kg
45. Benzene	35162	050823	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	or-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	100-41-4	100 ppm (435mg/m3/8h)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8h)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	N/A	or-rat 5000mg/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	109-38-3	100 ppm (435mg/m3/8h)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8h)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8h)	or-rat 3900mg/kg
61. 2-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	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-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	or-rat 1060mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	108-46-7	75 ppm (450mg/m3/8h)	

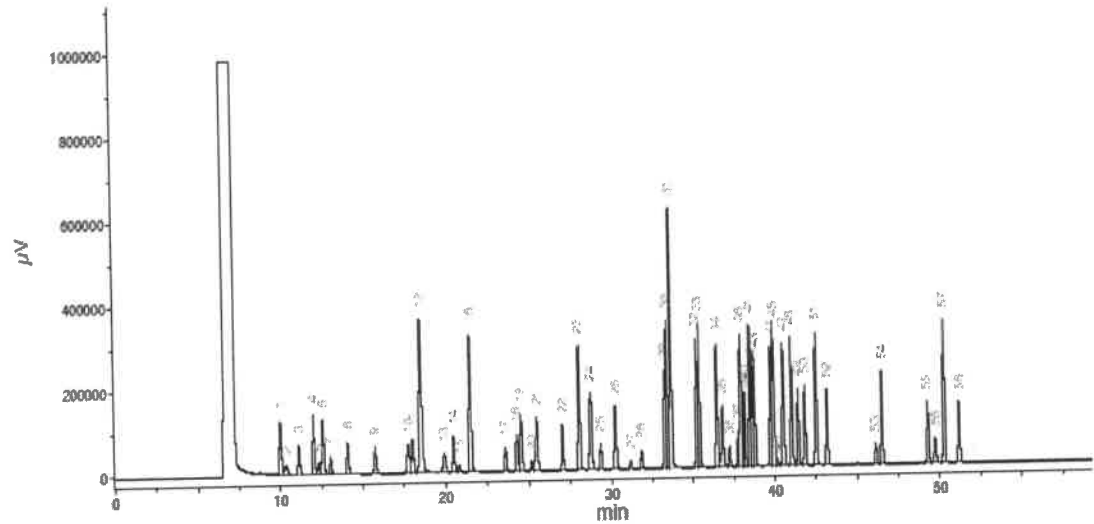


Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

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., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.21
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	Methoxyvinyltoluene/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.46
21	Dibromomethane/2,2-Dichloropropane	27.07
22	cis-1,2-Dichloroethene	28.03
23	Toluene	28.73
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	29.34
25	1,1,2-Trichloroethane	30.24
26	Tetrachloroethane/1,2-Dichloropropane	31.16
27	Dibromochloromethane	32.84
28	1,2-Dibromomethane	33.26
29	Chlorobenzene	33.40
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.85
31	m-Xylene/p-Xylene	35.53
32	o-Xylene	35.70
33	Styrene	35.79
34	Isopropylbenzene/Bromofarm	36.48
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.72
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	38.05
40	1,3,5-Trimethylbenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	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-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol METHYL ALCOHOL	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.
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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	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.



Ree 03117/24

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#: BUTB

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

Flask Uncertainty

Formulated By:	Prashant Chauhan	021624
Reviewed By:	Pedro L. Renteria	021624
DATE		

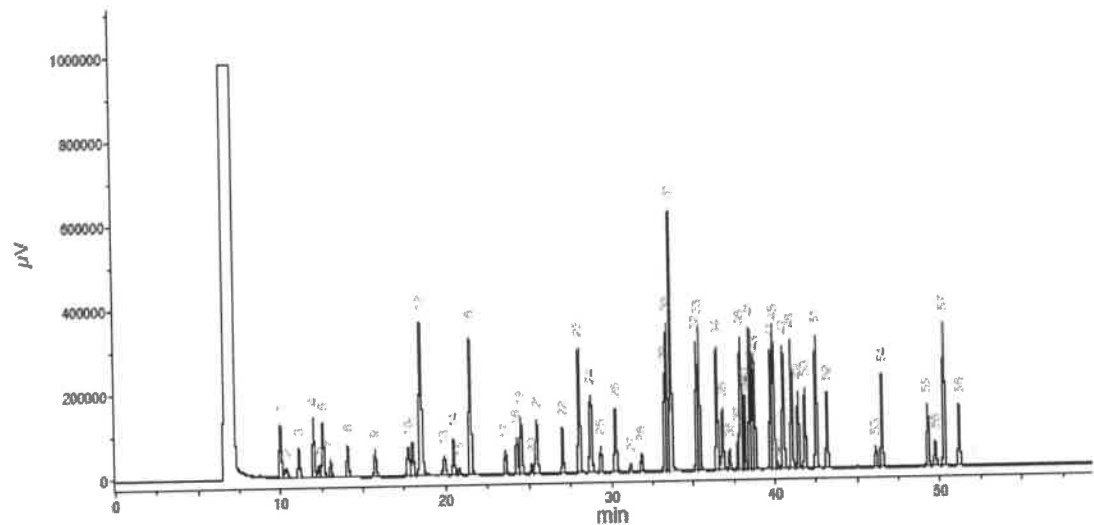
Compound	(K049)	Lot	Dir.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information			
	Part Number	Number	Factor	Vol. (mL)	Conc.(µg/mL)	Conc (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	Uncertainty	(+/-) (µg/mL)	CASE	OSHA PEL (TWA)	LD50
1. 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)	or-rat 2450mg/kg	
2. Allyl chloride (3-Chloropropene)	(0325)	102366	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg	
3. Carbon disulfide	(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)	or-rat 1200mg/kg	
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21056	0.21069	2001.1	8.5	1478-11-5	N/A	N/A	
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20746	2001.7	8.4	110-57-6	N/A	N/A	
6. Diethyl ether	(0153)	IK18CAS000C	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	or-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)	or-rat 75mg/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)	or-rat 2460mg/kg	
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	128-98-7	1 ppm (3mg/m3/8H)(skin)	or-rat 120mg/kg	
11. Methyl acrylate	(0755)	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)	or-rat 277mg/kg	
12. Methyl methacrylate	(0404)	MKGW6137V	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)	or-rat 787mg/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)	or-rat 780mg/kg	
14. 2-Nitropropane	(0461)	H4002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	78-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg	
15. Perchloroethane	(0460)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	78-01-7	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)	or-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	or-rat 915mg/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	or-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	or-rat 848mg/kg	
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	or-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	or-rat 820mg/kg	
22. 1,1-Dichloroethane	32261	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)	or-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)	or-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)	or-rat 2350mg/kg	
25. Chloroform	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-68-3	60 ppm (240mg/m3) (CL)	or-rat 908mg/kg	
26. Dibromomethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 106mg/kg	
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	or-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	or-rat 725mg/kg	
29. Trichloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.8	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	or-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)	or-rat 10300mg/kg	
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	or-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	108-93-4	20 ppm (8H)	or-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)	or-rat 670mg/kg	
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40015.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	or-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	or-rat 3600mg/kg	
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	28.7	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)	or-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	830-20-6	N/A	or-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)	or-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)	or-rat 936mg/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)	or-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)	or-rat 149.8mg/kg	
45. Benzene	35162	050823	0.05	5.00	40006.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4894mg/kg	
46. Bromobenzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	N/A	or-rat 2699mg/kg	
47. n-Butyl 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)	or-rat >2000mg/kg	
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg	
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg	
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg	
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm (435mg/m3/8H)	or-rat 5000mg/kg	
52. Toluene	35162	050823	0.05	5.00	40008.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-81-6	N/A	or-rat 1390mg/kg	
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 756mg/kg	
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-63-6	N/A	or-rat 5g/kg	
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-87-8	N/A	or-rat 5000mg/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	109-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg	
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	96-06-6	N/A	N/A	
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	or-rat 2240mg/kg	
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg	
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg	
61. 2-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	or-rat 2100mg/kg	
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg	
63. 1,2-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	or-rat 1062mg/kg	



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., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.53
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.60
5	Iodomethane	12.91
6	Allyl chloride	12.96
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethane	18.00
12	Methoxyvinylbenzene/Methyl acrylate/Chloroform	18.49
13	Isobutene/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethane	23.88
18	1,2-Dichloropropane	24.52
19	Methyl methacrylate	25.13
20	Bromochloropropane	25.13
21	Dibromomethane/2,2-Dichloropropane	25.46
22	cis-1,2-Dichloropropane	27.07
23	Toluene	28.03
24	Ethyl methacrylate/Trans-1,2-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,2-Dichloropropane	30.94
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	32.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.53
33	Styrene	35.70
34	Isopropylbenzene/Bromofarm	35.78
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2-Trichloropropane	37.23
37	n-Propylbenzene	37.77
38	trans-1,4-Dichloro-3-butene	37.92
39	Bromobenzene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	Chlorobenzene	38.63
43	4-Chlorobenzene	38.77
44	tert-Butylbenzene	39.76
45	1,3,5-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropylbenzene	41.02
49	1,3-Trichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.40
55	1,2,4-Trifluorobenzene	49.28
56	Hexachlorocyclopentadiene	49.72
57	Naphthalene	50.56
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 H370 P271 P302,332	Highly Flammable Liquid and Vapor Cause damage to organs Use in ventilated area If on skin, wash with soap and water	H301, 311, 331 H351 P280 P305,351,338	Toxic if swallowed, skin contact, inhaled Suspected of causing cancer Use gloves, eye protection/face shield If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#	% (optional)
Methanol METHYL ALCOHOL	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.
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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

Dec 09/17/24

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324QExpiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTBWeight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Justin Dippold</i>	
Formulated By: Justin Dippold	091424 DATE
<i>Pedro L. Rentas</i>	
Reviewed By: Pedro L. Rentas	091424 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	ori-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.

Abundance TIC: [BSB2]79005.D

Abundance Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00



m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- 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).



Certified Reference Material CRM

Dec 09/17/24

2 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324QExpiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTBWeight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Justin Dippold</i>	
Formulated By: Justin Dippold	091424 DATE
<i>Pedro L. Rentas</i>	
Reviewed By: Pedro L. Rentas	091424 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	ori-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.

Abundance TIC: [BSB2]79005.D

Abundance Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00



m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

- 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).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

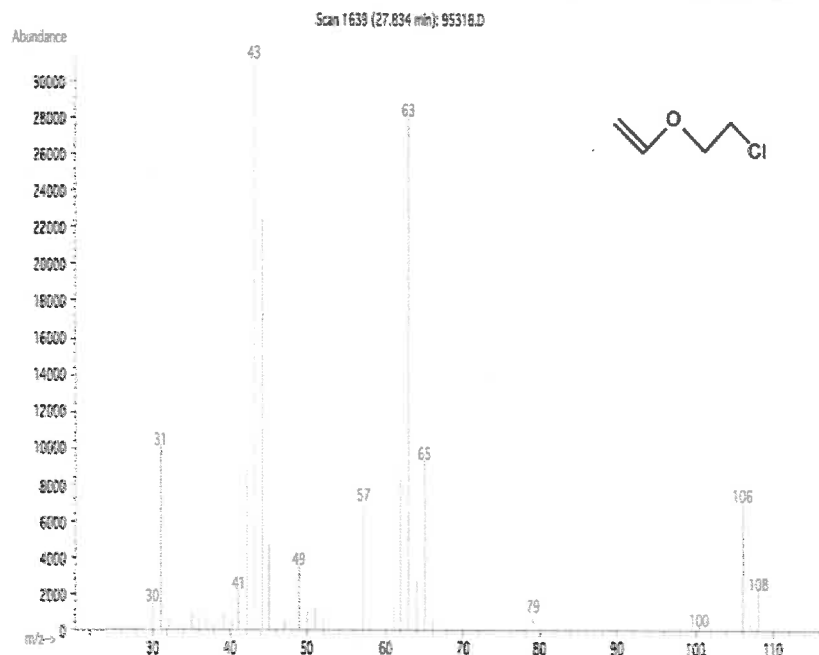
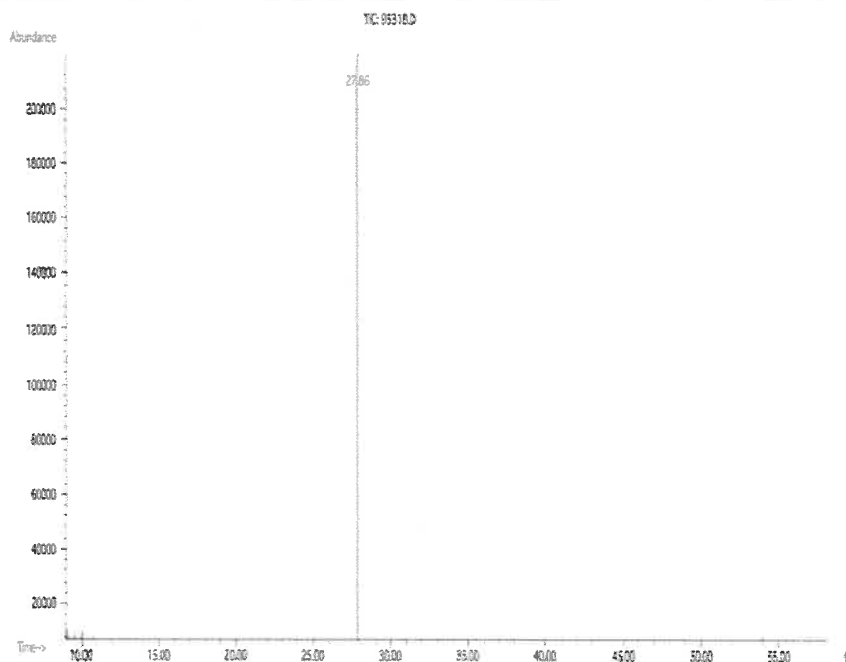
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded	SDS Information		
									Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)
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 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).

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 shield
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	> 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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

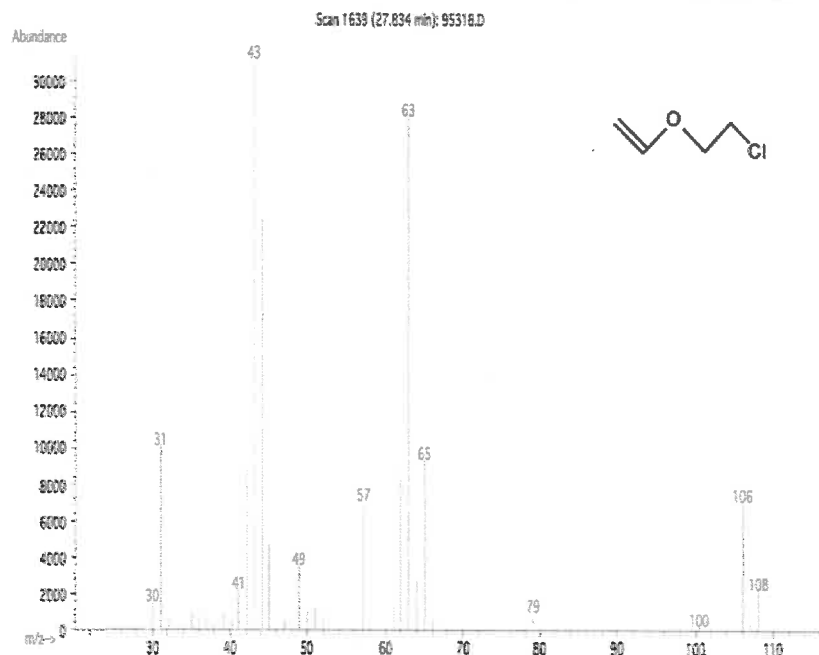
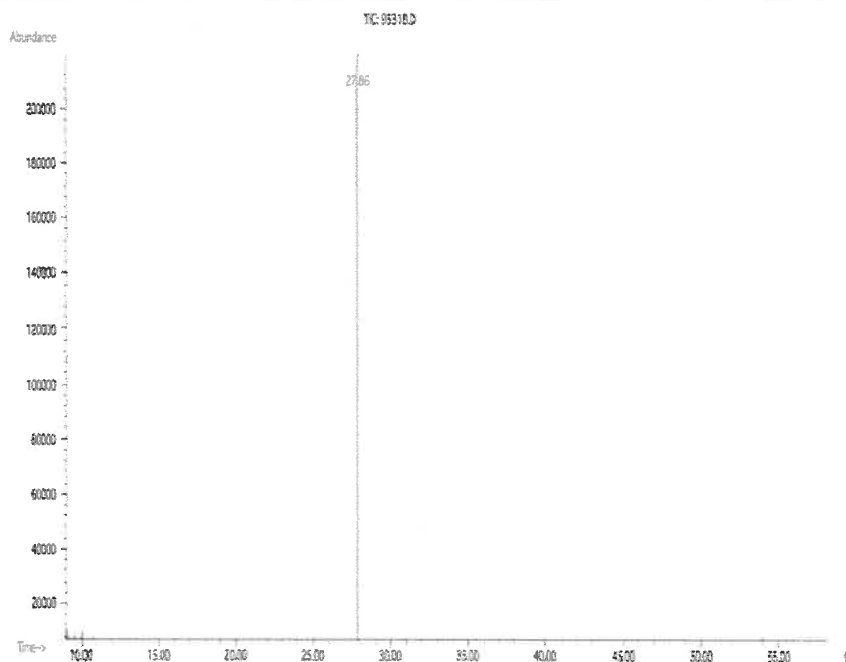
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

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 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).

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 shield
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	> 97
	CAS#: 67-56-1	

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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

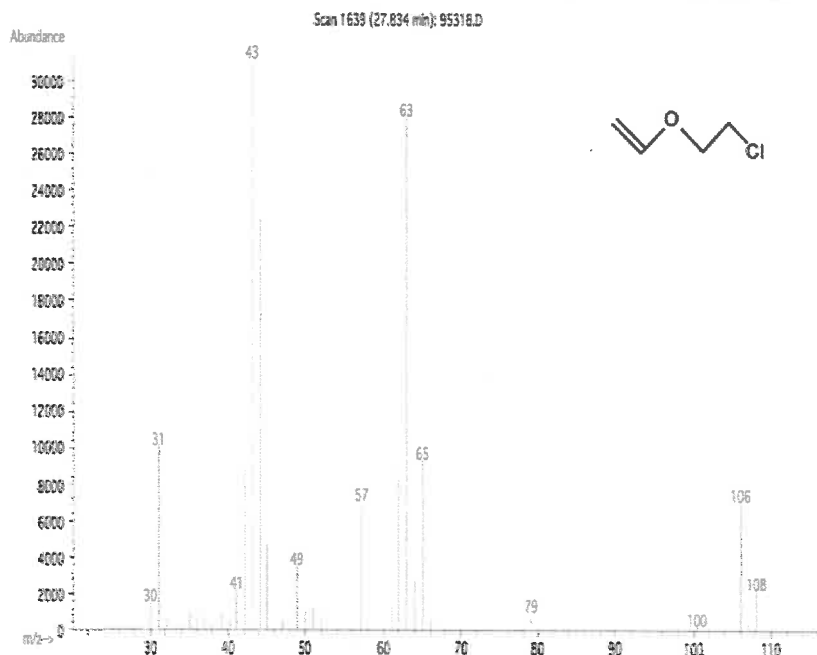
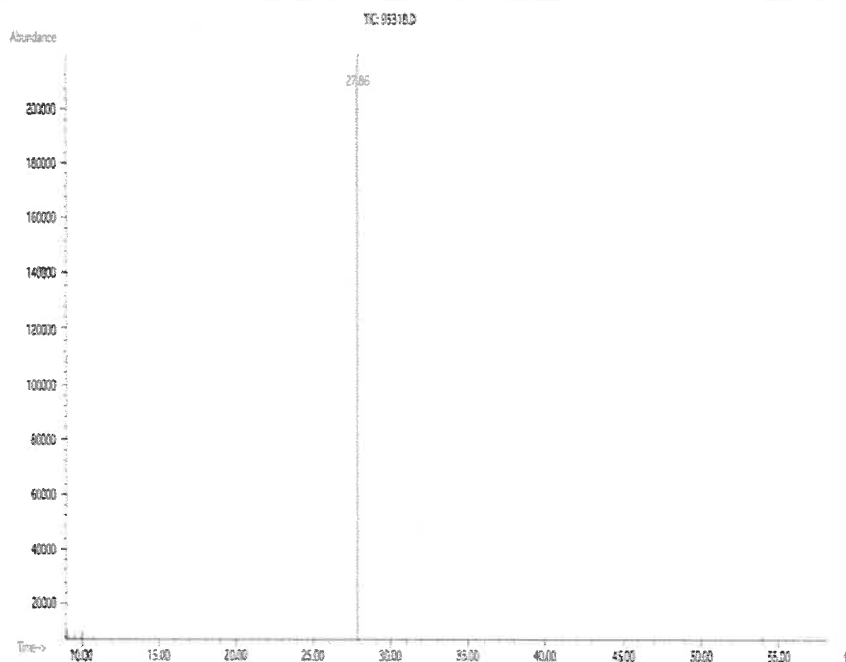
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



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Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

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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 shield
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	> 97
	CAS#: 67-56-1	

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.
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If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
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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.
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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	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



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**

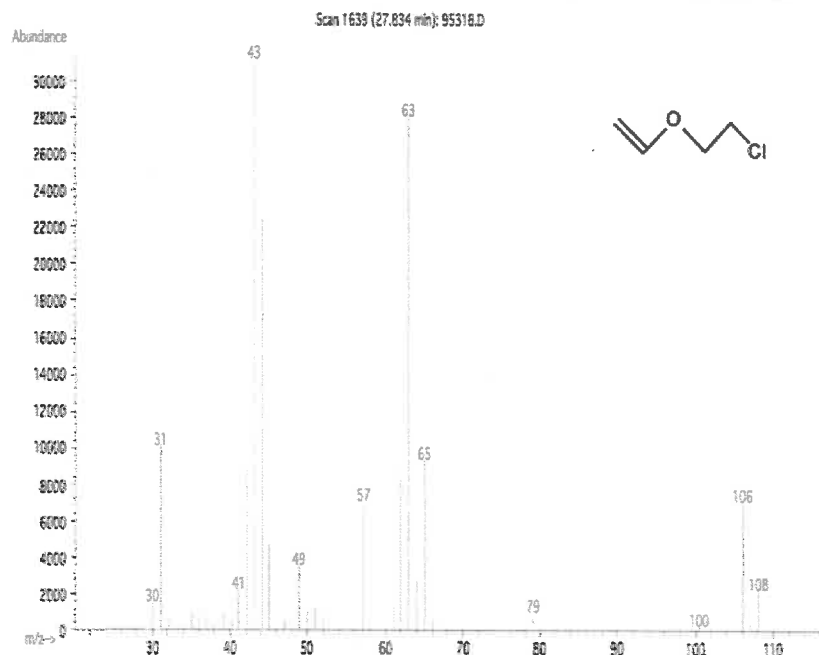
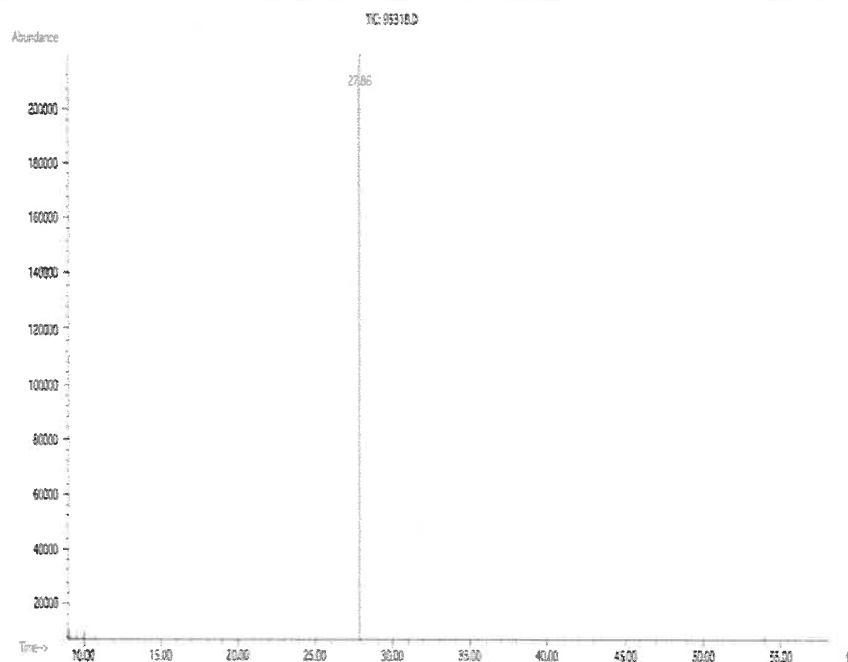
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

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 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).

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 shield
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	> 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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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:

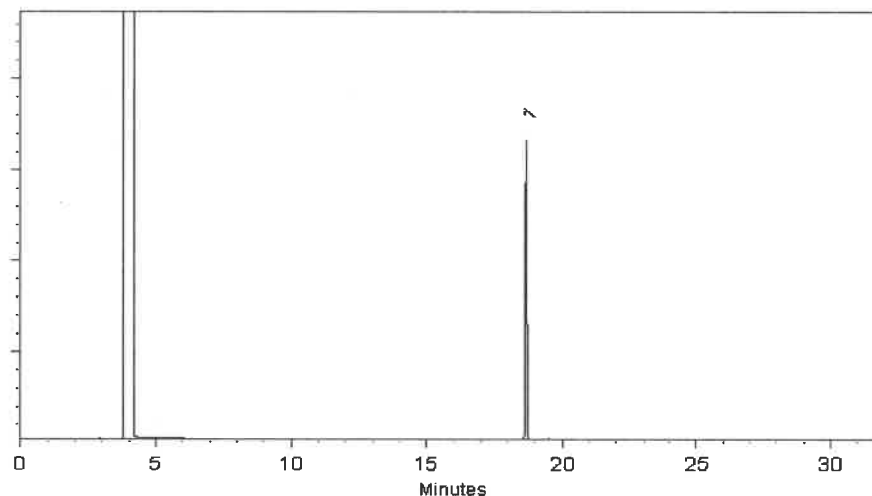
FID

Split Vent:

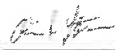
40 ml/min

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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

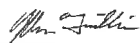
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

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

REVISED
By Restek Review of 11-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

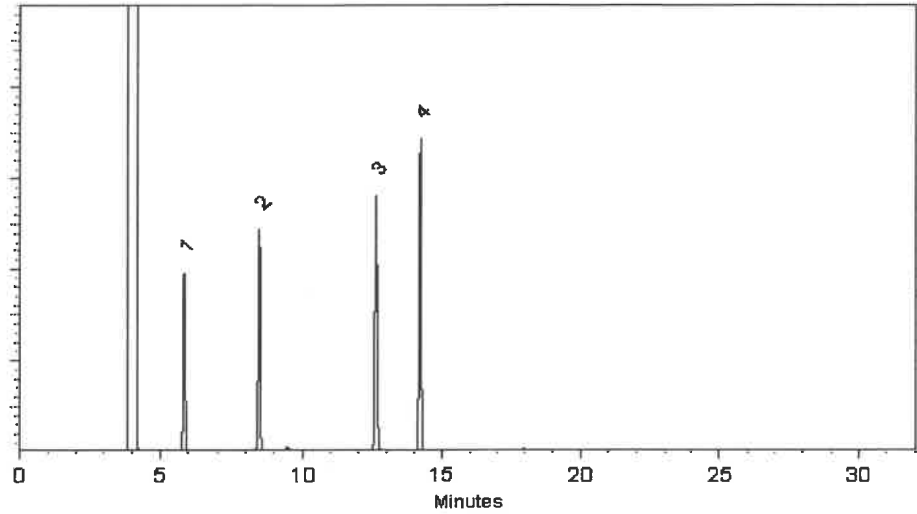
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

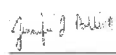


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

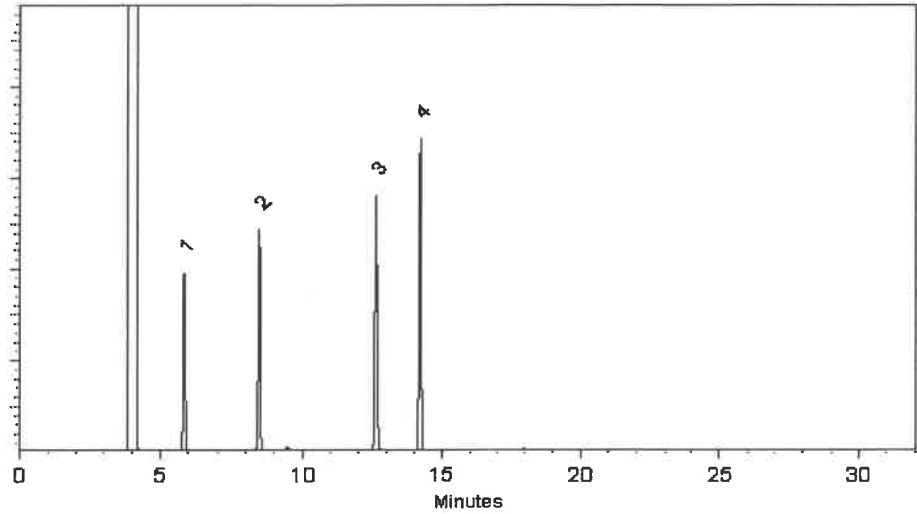
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

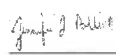


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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.:** A0210618
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

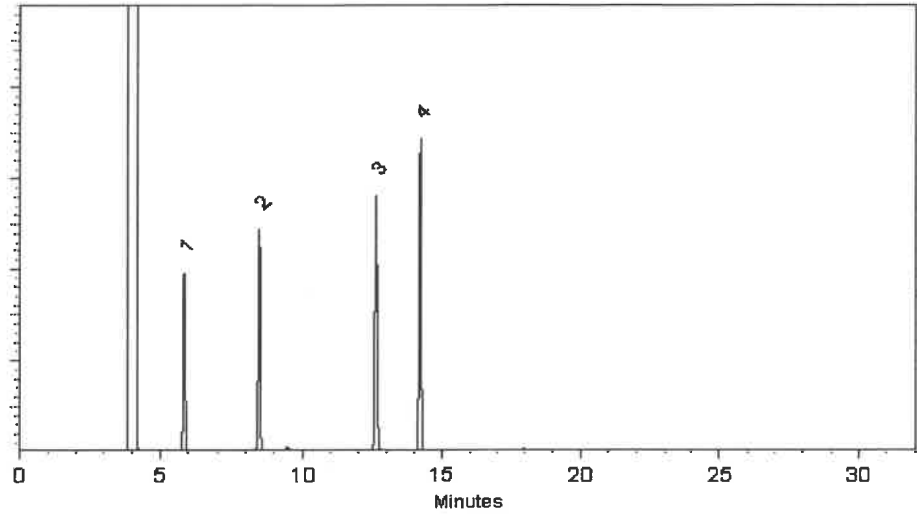
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

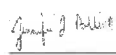


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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V14667-5
V14676



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:

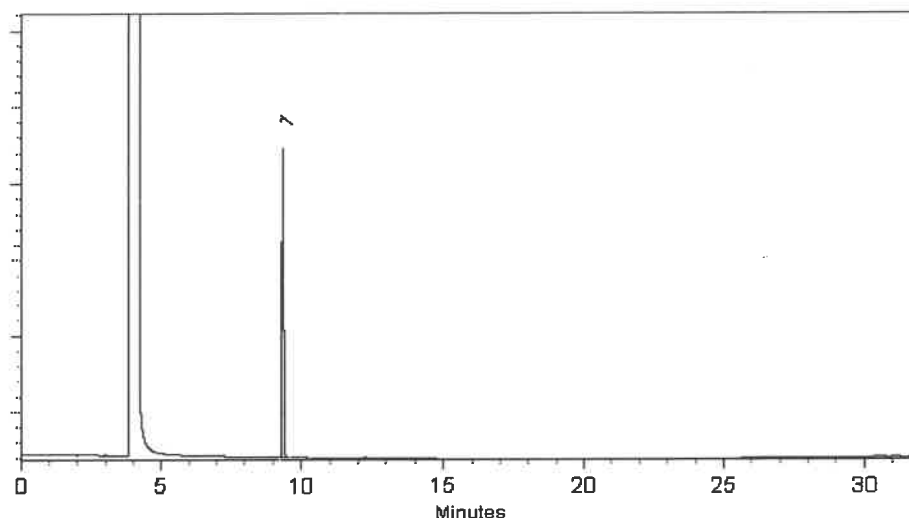
FID

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/ μ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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Rec 12/17/24
30 ml
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V14727 to
V14756



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:

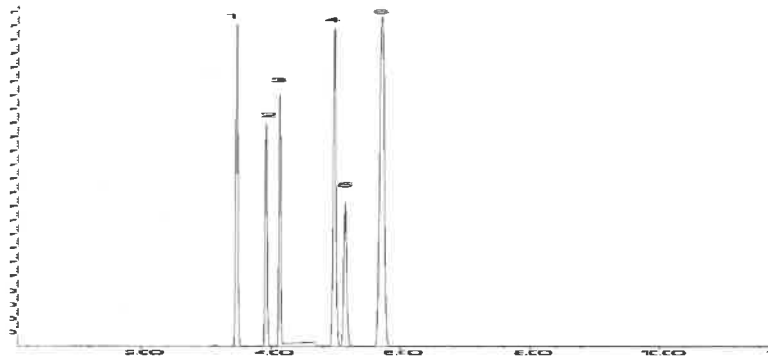
MSD

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 Suckal - 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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Rec 12/17/24
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V14756



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:

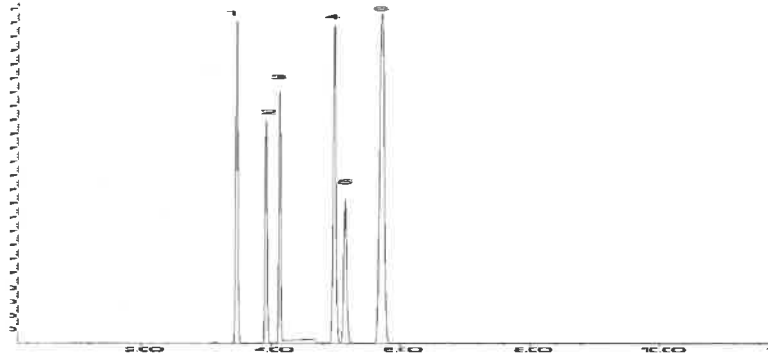
MSD

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 Suckal - 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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chromatographic plus

✓ 14842 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:

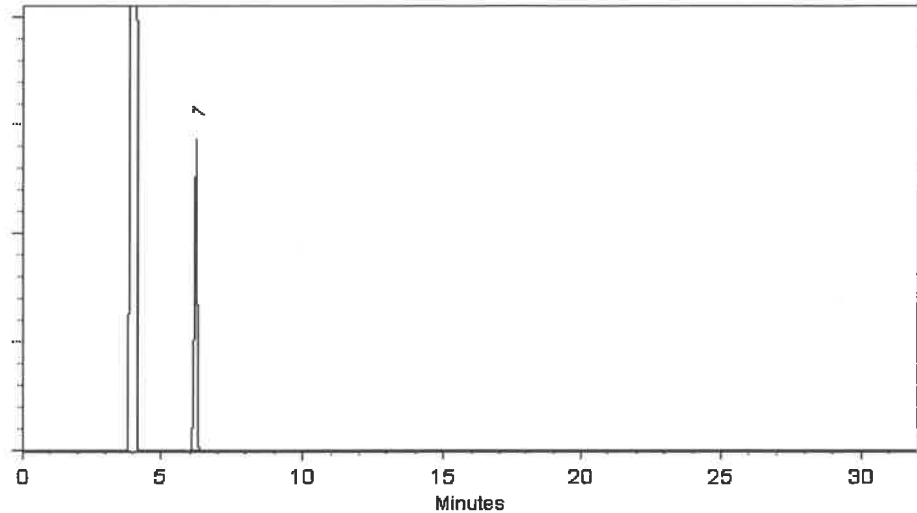
FID

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.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024

Balance Serial # B251644995

Brittany Federinko
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/ μ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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2014 Dec 01/08/21
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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:

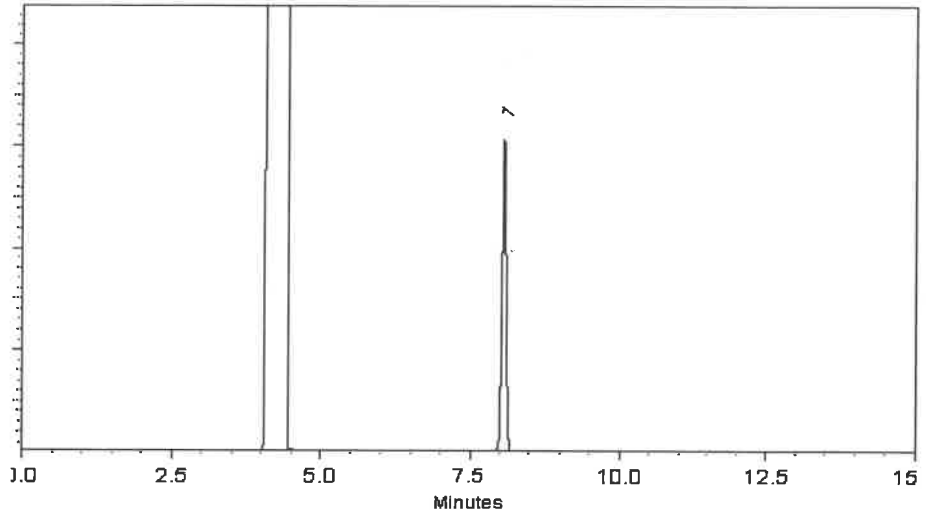
FID

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
By Jennifer Pabon at 7:12 am, Jan 05, 2025

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

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:

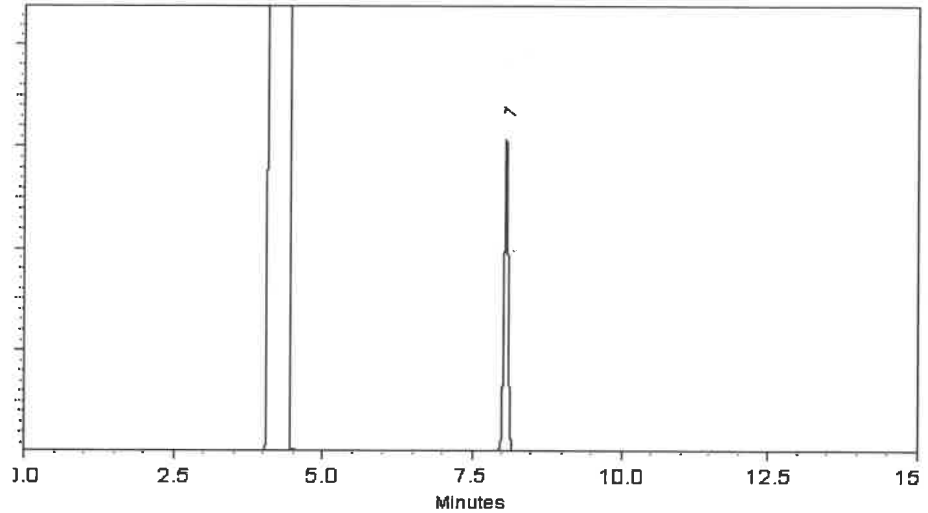
FID

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
By Jennifer Pabon at 7:12 am, Jan 05, 2025

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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10 vial
Dec 03/31/25
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
gravimetric

V14904 to V14913



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 Federlino - 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration 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

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor[™]



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration 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

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration 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

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rev 05/09/25
Avantor™



V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	0.3
Titration 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

Jamie Croak
Director Quality Operations, Bioscience Production



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2ee 05/19/25
CERTIFIED REFERENCE MATERIAL
20 vial

Certificate of Analysis

chromatographic plus

✓ 14951 to ✓ 14970



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



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200 05/19/25
CERTIFIED REFERENCE MATERIAL
20 vial

Certificate of Analysis

chromatographic plus

✓ 14951 to ✓ 14970



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



Rec 10/16/25 5:14p



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 101625
Description: Acrolein

Solvent(s):
Water Lot# 041725Q

		101625
Formulated By:	Prashant Chauhan	DATE
		101625
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 111625

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

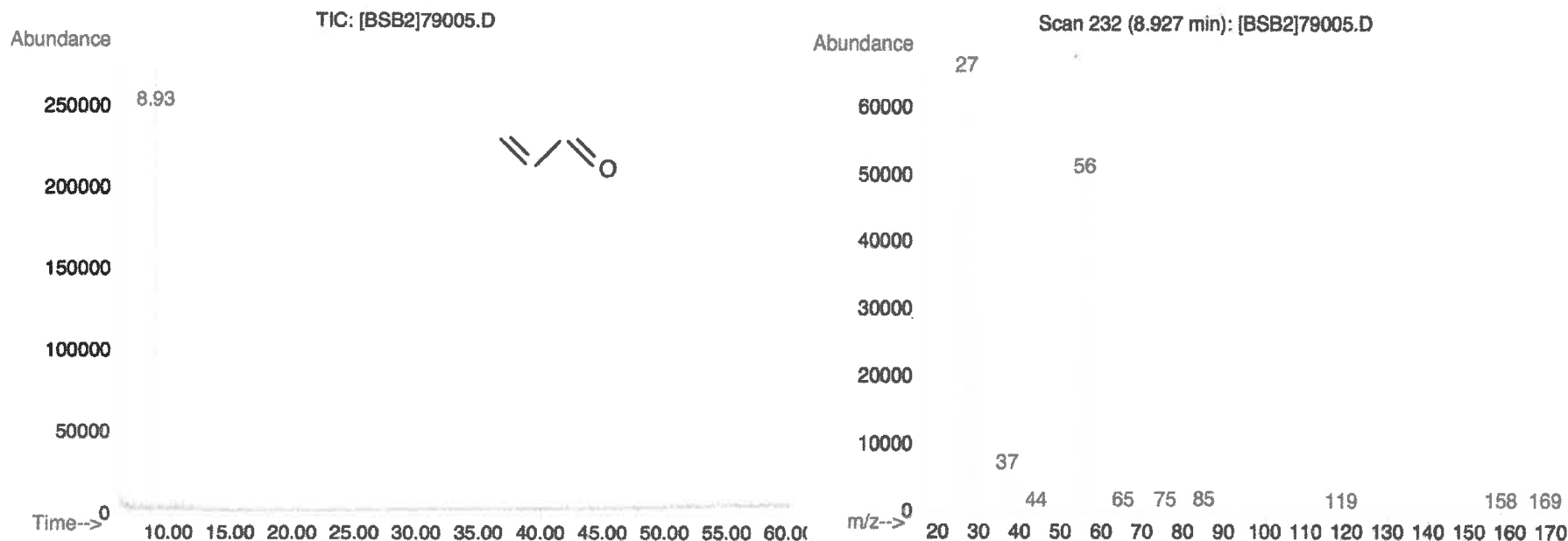
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15071-V15075

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	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 - Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
 - Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025



Rec 10/16/25 5:14p



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 101625
Description: AcroleinSolvent(s):
Water Lot# 041725Q

		101625
Formulated By:	Prashant Chauhan	DATE
		101625
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 111625

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

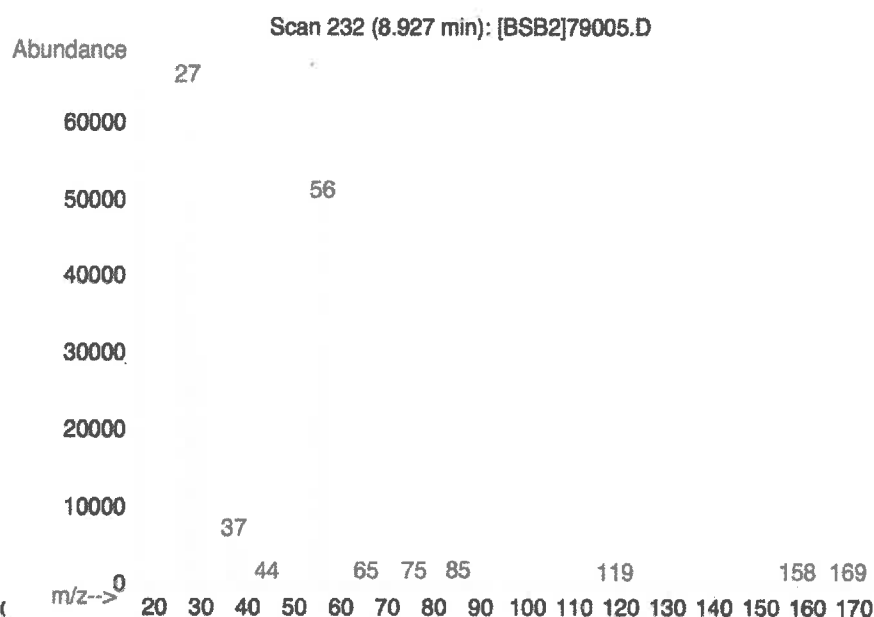
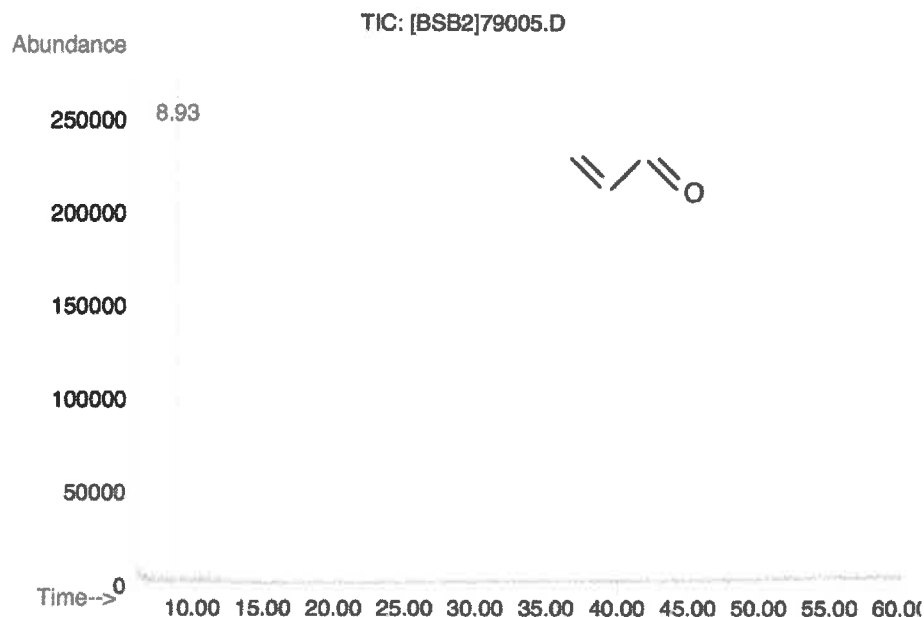
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15071-V15075

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	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 - Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
 - Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025



Rec 10/16/25 5:14p



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 101625
Description: Acrolein

Solvent(s):
Water Lot# 041725Q

		101625
Formulated By:	Prashant Chauhan	DATE
		101625
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 111625

Recommended Storage: Refrigerate (2°C to 8°C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

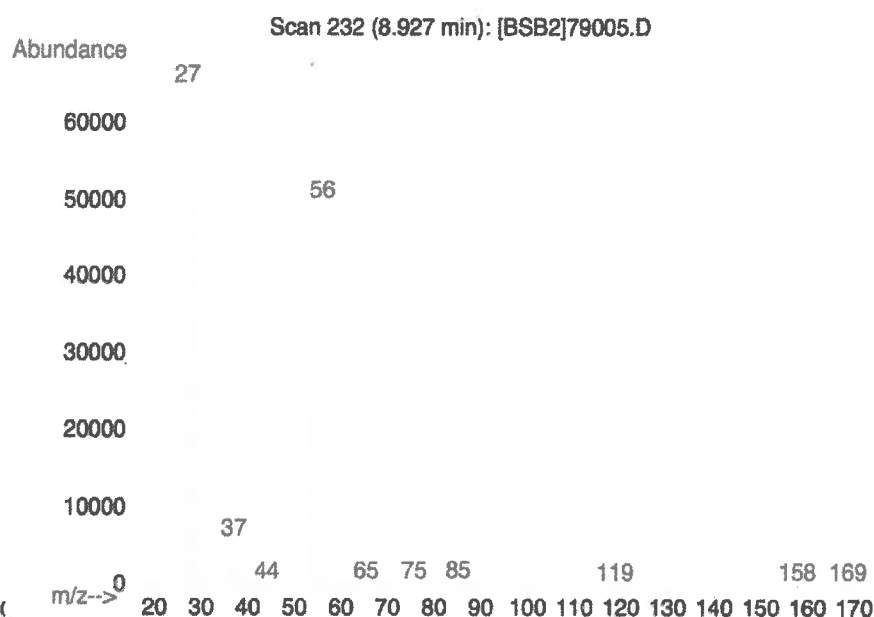
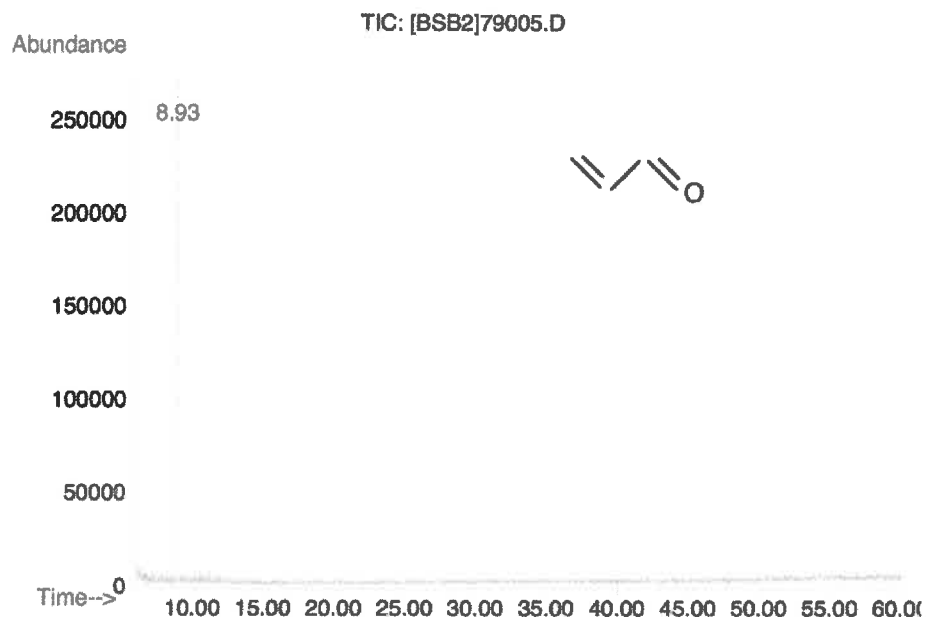
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15071-V15075

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	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 - Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
 - Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025



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1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW1025	7102-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW1025	7102-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW1025	7102-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW1025	7102-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW1025	7102-09
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW1025	7102-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW1025	7102-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW1025	7102-96
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW1025	7102-100
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW1025	7102-94B
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW1025	7102-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW1025	7102-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW1025	7102-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW1025	7102-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW1025	7102-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW1025	7102-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW1025	7102-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW1025	7102-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW1025	7102-22
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New Jersey	20012
New York	11376
Pennsylvania	68-00548
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